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AD A079831

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

[illegible] AS SMAIV/NAVRED (BASE 14011
[illegible] W 083 25 FD JAN 1954 PT 1510 WBAN [illegible]

PARIS A-F

FOR PROC HOURLY OBS: Feb 54 - Dec 74
FOR PROC DAILY OBS: OCT 57 - DEC 74

OCT 03 1978

FEDERAL BUILDING
ASHEVILLE, N. C.

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4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- TORREJON AB, MADRID, SPAIN		5 TYPE OF REPORT & PERIOD COVERED Final rept. 6 PERFORMING ORG. REPORT NUMBER
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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)

DD FORM 1 JAN 73 1473

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19. Percentqge 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.

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REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA
PART B PRECIPITATION
SNOWFALL
SNOW DEPTH
PART C SURFACE WINDS
PART D CEILING VERSUS VISIBILITY
SKYCOVER 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_____

S74-29958

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO 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 BARO.	
1	Torrejon AB Spain	AB	Oct 57	Mar 62	N 40 30	W 003 28	2001	2056	24
2	Same	AB	Mar 62	Dec 70	N 40 29	W 003 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/GMQ-11	RO-2	N/A	
2	Jun 58	Located at approach zone rnwy 23, 500 ft W of rnwy.	Same	Same	13 ft	
3	Mar 59	Located 500 ft from centerline, 1000 ft in from end of rnwy 23/05.	Same	Same	Same	
4	Mar 60	Located 500 ft from centerline, 1500 ft from end of rnwy 23.	Same	Same	11 ft	
5	Jun 61	Located N of Base Operations across the rnwy complex.	Same	Same	13 ft	
6	Mar 62	Located 715 ft from centerline, 1810 ft from approach end ILS rnwy.	Same	Same	Same	
7	Mar 65	Located 1775 ft SW and 695 ft NW of end of rnwy 23.	T420/ GMQ-11	RO-2	13 ft	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	Oct 70	Located 600 ft NW of centerline, 2700 ft from end of rnwy 23.	GMQ-20	Same	Same	
	Feb 78	Same	Same	Same	Same	

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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 categ es 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-WBAN sources).

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

Continued on Reverse

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

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

1

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WEATHER CONDITIONS

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 9-7A (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		8.7		.5		9.2	7.6	5.5			13.1	930
	18-20		11.4		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

DATA PROCESSING BRANCH
USAF ETAC
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WEATHER CONDITIONS

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 69-75 (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		8.5		.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	8.2		.2		8.3	4.2	2.6			6.8	6768

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WEATHER CONDITIONS

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-71 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	6.6			11.1	930
	12-14	.3	6.2		.6		6.9	.6	2.3			2.9	930
	15-17	.5	6.8		.8		7.5	.3	.9			1.2	930
	18-20	.3	6.0		.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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WEATHER CONDITIONS

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (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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USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 (STATION) TORREJON AB 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	.8	2.0			2.8	929
	12-14	.8	6.8				6.8	.1	.1			.2	930
	15-17	2.9	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) TORREJON AB SPAIN/MADRID (STATION NAME) 66-77 (YEARS) JUN (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.
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
	18-20	3.6	4.1				4.1						900
	21-23	1.2	4.3			.1	4.4				.1	.1	900
TOTALS		1.3	3.7			.0	3.7	.7	.7		.0	1.4	7200

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WEATHER CONDITIONS

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (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.
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

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DATA PROCESSING BRANCH
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WEATHER CONDITIONS

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

DATA PROCESSING BRANCH
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WEATHER CONDITIONS

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 68-77 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				2.8	.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		.5	2.7				2.7	.7	.9			1.6	7200

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 STATION | TORREJON 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		4.8				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

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | NOV 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.
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 BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 68-77 (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		8.4		.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	7.6			18.2	930
	15-17		8.4		.3		8.6	9.1	5.7			14.8	930
	18-20		8.6		.3		8.9	8.6	3.1			11.9	930
	21-23		9.5		.4		9.9	9.6	3.7			13.4	930
TOTALS		.0	8.6	.0	.5	.0	9.0	11.9	4.6		.0	16.5	7440

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 56-76 YEARS | 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	6.2		.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		.6	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	8.6	.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 5/8 mile.

S74-29960

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

14011 STATION | T KREJ[illegible] AP SPAIN/[illegible]AD[illegible] STATION NAME | 57-76 YEARS | ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY 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	DAILY	.3	[illegible].2	.3	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	[illegible].0		2.1	.6	39.7	16.6	17.4			26.0	619
APR		6.2	36.8		.8	1.3	36.8	12.8	12.5			20.2	600
MAY		13.7	[illegible].0			1.0	38.0	9.0	7.1			14.2	619
JUN		20.[illegible]	34.8			.3	34.8	6.5	6.3			10.3	600
JUL		12.4	14.5			.6	14.5	.3	2.6			2.9	620
AUG		10.[illegible]	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		3.2	35.[illegible]		.2	.2	35.0	16.6	13.5			24.0	651
NOV		1.1	[illegible].9		1.0	.5	40.5	31.2	26.7			42.0	629
DEC		.2	[illegible].[illegible]	.6	4.2	.2	39.1	39.8	31.2			51.[illegible]	650
TOTALS		7.[illegible]	33.1	.1	1.4	.6	33.5	17.4	15.1	.0		24.7	7451

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

*1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

*2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

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

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

Continued on Reverse Side

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

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 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

74-29961

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 57-78 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.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
SNOWFALL	NONE	TRACE	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					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
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	3.53	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	1.13	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		

1

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

EXTREME VALUES
PRECIPITATION

(FROM DAILY OBSERVATIONS)

14011 T BRIZE AB SPAIN/MADRID — STATION / STATION NAME

57-78 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
57										* .00	*TRACE	*TRACE	
58	*TRACE	*TRACE	*TRACE	* .01	*TRACE	* .20	TRACE	.27	.48	.20	.18	1.01	1.01
59	.21	.24	.33	.46	1.05	1.00	.17	.38	.82	.78	.59	.51	1.05
60	1.[illegible]	.66	.27	.06	.99	.27	.04	.46	.21	1.32	.91	.80	1.32
61	.45	.27	.23	.45	.29	.25	.32	.60	.63	.67	1.04	.40	1.04
62	.75	.7[illegible]	.42	.96	.66	.34	.00	.00	1.08	.46	1.08	.97	1.08
63	.5[illegible]	.33	.16	.57	.05	.61	1.27	TRACE	1.03	.50	1.22	1.03	1.27
64	.[illegible]	.99	.43	.34	.18	.56	.26	.14	.27	.15	.87	.85	.99
65	.45	.44	.94	.10	.29	.32	.02	.22	1.03	1.56	1.87	.78	1.87
66	.45	.64	.08	.40	.68	.74	.12	TRACE	.46	.84	1.19	.05	1.19
67	.31	.66	.40	.35*	.88	.29	TRACE	.03	.57	.74	.60	.04	* .88
68	.[illegible]	.52	1.01	1.25	.26	.24	.08	.91	.25	.13	.66	.45	1.25
69	.23	.96	1.56	1.21	.77	.82	.16	.14	.89	.43	.68	.24	1.56
70	.79	.1[illegible]	.20	.15	.12	.25	.66	.13	TRACE	.56	.46	.15	.79
71	.54	.5[illegible]	.57	.59	.66	.72	.65	.30	.03	1.29	.09	1.03	1.29
72	.45	.95	1.31	.10	.21	.17	.09	.04	1.87	.95	2.26	.38	2.26
73	.53	.04	.32	.24	1.26	.84	1.63	.40	TRACE	.42	.97	.64	1.63
74	.45	.4[illegible]	.76	.68	.36	.24	.23	.10	TRACE	.23	.61	.27	.76
75	.66	1.06	.24	.98	.90	.39	.00	.67	.36	TRACE	.29	.25	1.06
76	.24	.85	.21	.53	.55	.66	.37	.83	1.81	.54	.29	1.03	1.81
77	.50	.35	.24	.45	.34	.77	.27	1.16	.30	1.50	.49	.95	1.50
78	.43	.61											
MEAN	.477	.504	.509	.519	.534	.499	.317	.335	.606	.664	.818	.592	1.318
S. D.	.249	.298	.416	.359	.355	.261	.437	.338	.552	.462	.541	.357	.392
TOTAL OBS.	649	592	612	595	616	598	620	620	600	639	618	646	7404

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

DATA PROCESSING [illegible]
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

1

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

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

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS
57										* .00	*TRACE	*TRACE	
58	*TRACE	*TRACE	*TRACE	* .01	*TRACE	* .74	TRACE	.33	.56	.48	.19	5.58	* 7.89
59	.46	.29	1.10	1.26	2.97	1.70	.40	.81	2.64	2.43	1.83	2.05	17.94
60	1.99	3.09	1.54	.14	2.87	.43	.04	.52	.61	6.21	1.71	2.00	21.15
61	1.23	.43	.42	1.21	1.11	.31	.85	.73	1.78	1.56	4.49	1.21	15.33
62	1.37	1.17	2.28	2.85	2.07	.83	.00	.00	1.54	1.44	1.92	2.36	18.33
63	3.09	2.13	.50	3.18	.11	1.70	1.34	TRACE	2.25	.76	6.37	3.76	25.19
64	.39	4.23	1.59	1.05	.48	2.11	.47	.18	.41	.30	1.01	1.79	13.71
65	1.36	1.36	2.91	.21	.49	.34	.04	.29	1.96	4.89	4.41	1.81	20.67
66	2.27	2.86	.08	1.76	1.09	1.18	.16	TRACE	1.09	4.11	2.98	.07	17.65
67	.71	2.33	.58	1.71*	1.46	.49	TRACE	.04	.58	2.12	3.40	.05	*13.47
68	.99	2.59	2.22	3.50	.65	.26	.08	1.16	.66	.24	2.76	1.04	15.25
69	1.05	2.91	3.53	3.27	1.74	1.12	.35	.16	3.24	1.36	1.74	.52	20.99
70	5.20	.21	.32	.19	.42	.54	1.18	.13	TRACE	.67	1.78	.51	11.15
71	2.34	.78	1.41	2.27	4.76	2.46	.89	.30	.03	1.56	.17	2.43	19.40
72	2.38	3.27	2.37	.12	.75	.44	.12	.04	4.07	5.21	3.63	1.59	23.99
73	1.29	.06	.69	.53	2.58	2.11	1.80	.68	TRACE	1.20	1.86	2.08	14.88
74	1.51	1.61	2.99	2.33	.67	.77	.61	.24	TRACE	.53	1.73	.37	13.34
75	1.19	1.99	1.44	3.75	2.25	1.62	.00	1.34	1.51	TRACE	.80	1.36	17.25
76	.46	2.29	.46	2.50	1.95	1.87	1.01	2.03	3.60	2.54	1.21	2.77	22.69
77	2.50	1.74	.65	.63	.98	1.02	.75	1.47	.36	2.96	1.05	3.83	17.94
78	1.32	2.09											
MEAN	1.660	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.	548	592	612	595	616	598	620	620	600	639	618	646	7404

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

1 DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 57-78 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.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
SNOWFALL	NONE	TRACE	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					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	95.4	2.6	1.1	.3	.6									2.0	651	.5	2.8	.0
FEB	95.4	3.0	.5	.5	.2	.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	99.0	1.0													630	TRACE	TRACE	.0
DEC	95.7	2.6	.9	.5	.3									1.7	650	.4	3.1	.0
ANNUAL	98.5	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 TORREJON AB SPAIN/MADRID 57-78
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57										* .0	TRACE	* .0	
58	TRACE	TRACE	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.1
59	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
60	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	TRACE	.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	.3	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	.9	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	.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	.8
70	1.9	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	.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											
MEAN	.43	.33	.07	.01	TRACE	.00	.00	.00	.00	.00	TRACE	.27	.87
S. D.	.793	.913	.291	.022	.000	.000	.000	.000	.000	.000	.000	.573	.975
TOTAL OBS.	651	593	620	600	620	600	620	620	600	650	630	650	7454

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

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

1

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

14011 TORREJON AB SPAIN/MADRID 57-73
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
57										* .0	TRACE*	.0	
58	TRACE	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.2
59	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
60	2.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
63	.0	7.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.4
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
65	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.9
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
67	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2
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	1.1
70	2.1	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	TRACE	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
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	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
78	2.9	.1											
MEAN	.51	.56	.10	.01	TRACE	.00	.00	.00	.00	.00	TRACE	.35	1.44
S. D.	.920	1.593	.425	.045	.000	.000	.000	.000	.000	.000	.000	.815	1.992
TOTAL OBS.	551	593	620	600	620	600	620	620	600	650	630	650	7454

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 57-78 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.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
SNOWFALL	NONE	TRACE	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					
SNOW-DEPTH	NONE	TRACE	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	.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											.2	650			
ANNUAL	99.6	.3	.1	.1	.0	.0								.2	7454			

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

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

14011 STATION — T. BARAJAS AS SPAIN/MADRID STATION NAME — 57-78 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57										* 0	0 *	0	
58	TRACE		0	0	0	0	0	0	0	0	0	0	TRACE
59	0	1	0	0	0	0	0	0	0	0	0	0	1
60	2		0	0	0	0	0	0	0	0	0	TRACE	2
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	4	0	0	0	0	0	0	0	0	0	0	4
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	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
70	TRACE	0	0	0	0	0	0	0	0	0	0	1	1
71	1	0	TRACE	0	0	0	0	0	0	0	0	0	1
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	2	0											
MEAN	.2	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5
S. D.	.625	.989	.000	.000	.000	.000	.000	.000	.000	.000	.000	.224	.999
TOTAL OBS.	451	593	620	600	620	600	620	620	600	650	630	650	7454

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

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

74-29962

1

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

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

14011 — T[illegible] AB SPAIN/JAD.IL — 57-78

STATION — STATION NAME — YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV.	DEC	ALL MONTHS
57											NE *35	SSE 44	
58	[illegible] 50	SW 45	SW *42			WNW *24	NE 29	W 29	WSW 25	SSW 35	N 28	W 41	
59	NW 31	ENE 24	[illegible] 39	[illegible] 39	SSE 28	NNW 33	[illegible] 26	SSW 28	WNW 28	N 32	W 46	WNW 39	W 46
60	[illegible] 44	SSW 36	WSW 29	[illegible] 31	NE 28	NNW 27	WSW 35	WSW 28	SW 34	S 33	SSE 28	NNW 32	N 44
61	W 33	[illegible] 32	SE 26	[illegible] 26	S 28	SSW 27	NW 36	SW 49	SW 46	NNW 31	WSW 39	WSW *30	SW 49
62	[illegible] 40	[illegible] 32	SW *34	[illegible] 30	[illegible] 28	NE 25	SW 24	NNE 33	S 35	N 35	NNW 40	NNW 38	WNW 40
63	S 34	[illegible] 43	N 34	[illegible] 35	[illegible] *30	WSW 44	ESE 34	NW 38	WNW 31	N 37	SW *30	SE 38	WSW 44
64	NW 27	SW 32	S 28	SW 29	[illegible] 37	SSW 44	SE 30	WSW 30	WSW 38	NNW 46	WNW 26	N 37	NNW 46
65	[illegible] 32	[illegible] 31	SW 38	[illegible] 34	[illegible] 29	W 33	[illegible] SW 26	SSE 26	S 35	SSE 24	SSW 32	W 39	WNW 52
66	W 41	[illegible] 31	E 25	[illegible] 39	[illegible] 34	W 34	SW 41	WSW 32	SSE 37	S 33	SSW 49	N 34	SSW 49
67	SE 34	SW 28	[illegible] E 40	[illegible] 37	[illegible] 32	NNE 25	S 28	N 31	WSW 29	ESE 24	N 36	NE 34	NE 40
68	[illegible] *44	[illegible] SE 34	[illegible] 40	[illegible] S 40	[illegible] SE 36	NW 35	25/ 31	23/ 46	23/ 33	23/ 30	19/ 37	23/ 49	23/ 49
69	25/ 40	19/ 38	25/ 36	25/ 33	3/ 30	24/ 27	4/ 28	31/ 27	24/ 27	5/ 22	26/ 36	33/ 59	33/ 59
70	21/ 42	33/ 34	4/ 36	36/ 39	19/ 35	26/ 31	36/ 35	31/ 55	23/ 28	36/ 40	25/ 55	17/ 35	31/ 55
71	26/ 38	23/ 6[illegible]	1/ 41	32/ 30	17/ 30	28/ 35	17/ 38	25/ 30	26/ 33	7/ 35	1/ 42	9/ 40	23/ 60
72	32/ 38	25/ 49	30/ 43	28/ 36	2/ 30	5/ 28	20/ 38	20/ 34	1/ 29	20/ 41	6/ 34	17/ 29	25/ 49
73	35/ 37	34/ 36	35/ 32	34/ 33	24/ 32	33/ 32	3/ 39	23/ 54	36/ 29	31/ 36	26/ 30	35/ 32	23/ 54
74	29/ 36	3[illegible]/ 4	1/ 36	21/ 30	29/ 37	31/ 43	11/ 37	5/ 34	21* 29	1/ 38	25/ 34	7/ 23	31/ 43
75	30/ 33	19/ 25	29/ 39	5/ 30	5/ 40	24/ 36	19/ 28	23/ 40	5/ 29	31/ 32	31/ 35	7/ 31	6/ 40
76	1/ 29	1/ 3[illegible]	31/ 32	5/ 34	35/ 32	34/ 36	23/ 32	27/ 28	22/ 35	28/ 43	22/ 35	28/ 40	28/ 43
77	5/ 33	15/ 3[illegible]	2/ 40	26/ 35	2/ 40	25/ 28	22/ 27	4/ 30	29/ 32	21/ 41	28/ 24	24/ 33	21/ 41
78	36/ 39	26/ 41											
MEAN	37.3	36.4	36.1	33.7	32.6	32.3	32.1	35.1	32.3	34.6	36.1	37.4	48.4
S. D.	6.441	6.299	5.199	4.001	4.105	6.051	5.067	9.020	4.897	6.278	7.908	7.618	6.745
TOTAL OBS.	[illegible]4	589	610	567	534	572	615	617	591	618	596	636	7241

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

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

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) 69-78 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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	2.7	.6	.5	.5	.3	.4						5.3	7.0
NNE	3.0	1.0	.6	.2								5.5	3.7
NE	4.4	3.3	.9	.4								8.9	4.0
ENE	3.7	1.8	.2	.2	.3							6.2	4.2
E	1.6	.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	.9	1.4	1.1	.5	.1							3.9	6.9
SSW	.9	1.6	2.6	1.4	.2							6.2	7.6
SW	.8	1.8	2.7	1.8								7.1	8.0
WSW	.6	1.6	1.8	1.3	.1							5.5	8.0
W	.5	1.0	1.1	.6	.2							3.3	7.8
WNW	.4	.2	.1	.1								.9	4.4
NW	.5	.1	.2		.1							1.0	5.4
NNW	.6	.3	.1	.5								1.7	6.5
VARBL	2.2	.3	1.4	1.9								5.7	7.3
CALM												35.4	
	29.5	16.6	13.2	9.1	1.5	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
STAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 69-73 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.6	.4	.0	.3	.2						4.2	7.8
NNE	4.1	1.2	.7	.3								6.5	4.0
NE	4.3	1.8	.5	.5								7.2	4.1
ENE	2.7	.9	.7	.3								4.5	4.6
E	1.7	.8	.1									2.6	3.0
ESE	.4											.4	1.8
SE		.2										.2	5.0
SSE	.4	.4	.1	.1	.1							1.2	6.2
S	1.0	1.5	.3	1.3								4.1	7.1
SSW	1.1	1.4	2.0	1.7	.1							6.9	8.2
SW	1.3	.8	1.7	1.7								5.4	7.9
WSW	.5	1.3	1.3	1.2								4.3	8.4
W	.6	.5	.5	.3	.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	1.4	1.6	.1							6.3	6.9
CALM												39.6	
	23.7	12.4	11.4	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 | TORREJON AB SPAIN/MADRID STATION NAME | 68-78 YEARS | JAN MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	.3	.4	1.1	.2							4.6	6.2
NNE	3.5	1.3	.4									5.3	3.2
NE	4.3	1.6	.6	.4								7.0	3.9
ENE	3.2	.3	.4	.3	.2	.1						5.6	4.8
E	1.7	.4										2.2	2.8
ESE	.3											.5	2.4
SE	.3		.1									.4	3.3
SSE	.3			.2								.8	5.0
S	.7	1.2	.7	1.3	.2							4.3	7.8
SSW	1.3	2.7	2.0	1.1	.1							7.6	7.4
SW	.9	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	.6	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

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

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) 69-78 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 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	.3	.3	.2	1.1	.4	.1						2.4	11.9
NNE	1.1	1.0	.2									3.0	3.2
NE	2.2	1.4	.3	.3								4.2	4.3
ENE	3.1	1.3	1.5	1.3	.2							8.1	6.1
E	2.3	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	1.9	1.9	.4							7.5	7.9
SW	1.2	1.4	2.3	2.4	.2	.1						7.8	8.6
WSW	.4	1.2	1.0	1.9	.1							5.2	9.6
W	.3	.1	.6	1.3	.3							3.0	10.1
WNW	.2		.1	.9	.2							1.4	11.6
NW	.1		.2	.2	.1							.6	10.8
NNW	.2	.1	.1	.1								.5	7.0
VARBL	3.2	2.2	1.2	.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/MAC

SURFACE WINDS

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

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — JAN MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.2		.5	.6	.2						2.4	12.2
NNE	1.4	.6	.5	.1								2.7	4.6
NE	.8	.3	.6	.5								2.2	7.7
ENE	1.2	1.1	1.5	1.1	.4							5.8	7.3
E	1.4	.5	.5	.1								2.9	4.7
ESE	.7	.3										1.2	2.6
SE	.5	.3	.5									1.4	3.8
SSE	1.1		.1									1.2	2.5
S	2.8	1.0	1.7	.4								6.0	5.9
SSW	4.1	1.5	1.5	1.3	.2							8.6	5.9
SW	2.1	2.5	2.2	4.4	1.2	.3						12.6	9.8
WSW	1.8	1.0	1.9	3.3	1.3	.1						9.5	10.2
W	1.8	.4	1.1	1.2	.5							4.4	8.9
WNW	.1		.4	.6	.4	.1						1.6	13.3
NW	.2	.2	.2	.5	.2							1.2	9.3
NNW	.2	.1	.1	.3	.1	.1						1.0	12.0
VARBL	5.9	3.3	2.4	2.8	1.0	.3						15.7	7.2
CALM												19.8	
	26.7	13.4	15.3	17.5	6.1	1.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

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

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) | 69-78 (YEARS) | JAN (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	1.1	1.4	1.4	1.1	.2	.3						5.9	9.1
NNE	.7	.8	.3	.1								2.0	4.4
NE	1.1	.2	.5	.3		.1						2.4	7.0
ENE	.6	1.0	.4	1.4	.2							4.0	9.1
E	.7	.5	.4									2.2	5.0
ESE	.3	.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	1.6	2.3	1.2	.1							9.2	6.3
SW	2.9	3.0	3.8	4.1	.5							14.3	8.3
WSW	1.9	1.3	2.4	2.5	.6							9.1	8.9
W	1.1	.5	1.2	1.5	.3							4.7	9.0
WNW	.1	.3	.5	.5	.2							1.8	10.6
NW	.2			.5	.1							.9	11.5
NNW	.6	.5	.2	.5								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/MAC

SURFACE WINDS

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

14011 (STATION) TURKEJI AIR SPAIN/MADRID (STATION NAME) 69-78 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.3	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	.5	.6		.2						3.2	8.0
E	.4	.1	.4									1.2	4.4
ESE	.4		.1									.5	3.8
SE	.3	.1	.1									.5	3.4
SSE	.5	.6	.1									1.1	4.2
S	1.2	1.0	1.5	.5								4.9	6.3
SSW	.4	1.0	1.5	1.2	.1							5.2	8.1
SW	1.6	2.3	2.5	1.4	.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	.3		.5	.9								2.5	8.2
NW	1.0	.4	.5	.4	.1							2.9	5.5
NNW	1.4	1.0	.1		.2							2.7	4.6
VARBL	1.0	1.2	1.2	1.5	.4							6.1	7.8
CALM												29.8	
	22.5	19.1	15.9	10.4	1.1	.5						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

1

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) 69-78 (YEARS) JAN (MONTH)

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	3.4	1.2	1.[illegible]	.3		.2	.1					6.2	5.2
NNE	4.[illegible]	2.3	.8		.1							7.8	3.5
NE	4.1	2.7	1.4	.4	.1							8.7	4.5
ENE	2.[illegible]	1.4	.2		.5							4.7	5.1
E	.[illegible]	.5										1.3	3.3
ESE	.[illegible]			.1	.1							.6	7.2
SE	.2				.1							.3	8.3
SSE	.1	.4										.5	3.8
S	1.1	1.9	.5	1.[illegible]								4.7	6.4
SSW	1.2	1.4	2.[illegible]	1.7								6.3	7.7
SW	.6	1.0	2.[illegible]	1.6								5.3	8.4
WSW	.5	.9	1.[illegible]	1.6								4.8	8.7
W	1.[illegible]	1.0	1.1	.[illegible]								3.8	6.9
WNW	.1	.4	.[illegible]	.4								1.3	6.3
NW	.2	.1	.1									.4	4.8
NNW	.[illegible]	.9	.4	.1	.1							2.4	5.5
VARBL	2.4	1.2	.[illegible]	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 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) — 69-78 (YEARS) — JAN (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	2.2	1.0	.6	.6	.3	.2	.0					5.4	7.1
NNE	2.1	1.2	.5	.1	.0							4.7	3.7
NE	2.3	1.7	.7	.4	.0	.0						5.7	4.5
ENE	2.4	1.2	.7	.7	.2	.0						5.3	6.0
E	1.3	.6	.3	.2								2.2	3.8
ESE	.3	.1	.0	.1	.0							.8	3.3
SE	.2	.1	.1		.0	.0						.6	5.1
SSE	.5	.4	.1	.1	.0							1.0	5.2
S	1.4	1.5	1.1	.9	.0							4.9	6.5
SSW	1.7	1.6	2.2	1.4	.2							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	.3	.0						6.1	9.0
W	.6	.7	1.0	.6	.2							3.5	8.0
WNW	.3	.2	.4	.4	.1	.0						1.5	9.1
NW	.5	.1	.1	.2	.1							1.1	6.9
NNW	.7	.4	.2	.2	.1	.0						1.7	6.1
VARBL	2.1	1.5	1.7	1.7	.4	.1						8.3	7.3
CALM												31.9	
	23.6	15.3	14.2	12.5	2.3	.5	.0					100.0	4.6

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) 66-78 (YEARS) FEB (MO.-YR)

ALL WEATHER (CLASS)

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	2.7	.9	.8	.6	.4							5.2	5.7
NNE	4.7	4.0	1.1									9.8	3.8
NE	2.7	3.2	1.2	.6								7.7	4.9
ENE	1.7	3.2	.2	.1								5.2	4.1
E	.5	.7	.1									1.8	3.7
ESE	.4	.1	.4									.8	5.3
SE	.2		.4									.6	6.0
SSE	1.1	.5	.4									1.9	3.8
S	.2	.7	1.5	.5								3.7	6.8
SSW	1.2	2.0	1.5	.5	.2							5.4	6.5
SW	1.1	1.1	2.3	.7								6.1	6.5
WSW	2.2	1.7	2.6	.6	.2	.1						7.2	6.8
W	.5	.6	1.5	.6	.2							4.1	7.6
WNW	.4	.4	.6	.2								1.5	6.8
NW	.6	.1	.4	.1								1.2	5.7
NNW	1.3	.7	.1	.1								2.2	3.6
VARBL	4.3	.8	.2	2.3	.2							8.4	6.2
CALM												27.1	
	26.1	25.9	16.1	6.6	1.3	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	2.0	.2	.4	.4	.1						6.3	5.1
NNE	3.3	1.6	.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	1.3	.1							5.3	7.8
WSW	.7	1.4	1.5	.7								4.7	7.2
W	.9	.5	1.3	.1								2.8	6.3
WNW	.6	.2	.3	.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	5.3	1.2	1.2	1.7	.7							10.5	6.0
CALM												31.3	
	27.7	16.8	13.1	7.3	1.7	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) | TORREJON AB SPAIN/MADRID (STATION NAME) | 69-78 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.[illegible]	1.9	1.4	.[illegible]	.2							6.4	6.3
NNE	4.5	2.1	.6	.2								7.4	3.8
NE	3.[illegible]	2.0	.7	.2	.1							6.9	4.2
ENE	3.1	2.2	.[illegible]	.1								6.0	4.0
E	2.[illegible]	.9	.2									3.2	3.4
ESE	.4		.1									.5	3.0
SE	.2											.2	2.0
SSE	.1	.5	.1	.2	.2							1.2	9.0
S	.4	2.1	1.[illegible]	.4	.2							4.6	7.3
SSW	.[illegible]	2.1	1.[illegible]	1.4								6.0	7.7
SW	1.3	1.7	2.[illegible]	1.[illegible]								7.3	7.8
WSW	.7	.9	1.1	.4	.4							3.4	7.5
W	1.1	.5	.[illegible]	.2								2.4	4.9
WNW	.[illegible]		.1	.4								1.1	6.0
NW	.2	.4		.1								.7	5.2
NNW	1.[illegible]	.6	.2	.1								2.2	3.9
VARBL	[illegible]	1.3	.9	2.[illegible]	.4							7.6	6.9
CALM												32.9	
	25.2	19.3	12.[illegible]	8.4	1.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 62-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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	.3	.2	.5	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	.8	.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	.2	.1	.1		.2							1.4	5.2
SSE	.3	.2		.1	.1							1.1	6.2
S	3.1	1.4	.9	.4	.2							5.9	5.1
SSW	.3	2.0	3.0	1.4		.1						7.3	8.1
SW	.7	1.5	2.7	2.1	.1							7.2	8.7
WSW	.7	.9	2.2	1.9	.6							6.4	9.7
W	.3	.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	.2	.2	.4		.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	18.6	17.5	13.7	4.7	.5	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

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) | 69-78 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6		1.5	1.7	2.1	.8	.1					7.1	14.1
NNE	.4	.6	1.1	.6	.2							3.3	9.1
NE	.4	.9	.7	.6	.8							3.7	10.7
ENE	.6	.5	.7	.2	.2							3.0	6.4
E	1.3	.6	.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	2.3	2.5	1.3	1.2	.1							7.9	6.1
SW	1.3	3.5	1.7	3.6	.6	.2						11.3	9.3
WSW	1.5	.9	2.7	3.9	.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						1.2	13.3
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 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) 69-78 (YEARS) FEB (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	.4	.5	2.2	3.0	1.2	.7						9.2	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	.2	.4								2.0	7.9
E	.2	.2	.1	.2								.8	6.7
ESE	.3	.1										.5	2.5
SE	.4	.2	.4	.2								1.2	6.8
SSE	.4	.7	1.7	.2								3.0	6.9
S	2.1	.9	1.7	.4	.1							5.1	5.8
SSW	1.3	2.3	1.4	1.3	.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	2.3	3.9	.5	.2						12.3	9.4
W	1.3	1.3	1.7	2.1	.1							6.7	8.5
WNW	.3	.7	.4	.2	.6	.1						3.7	10.1
NW	.4	.7		.1	.6							1.8	9.3
NNW	.1	.9	.7	.2	.6	.1						3.1	10.8
VARBL	5.3	3.8	2.2	3.7	1.2	.4	.2					17.0	8.0
CALM												8.2	
	19.7	19.1	22.2	22.2	6.7	1.9	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 846

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	A	MEAN WIND SPEED
N	2.1	4.0	3.0	2.0	1.2	.4						13.2	8.8
NNE	1.3	2.6	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	.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	.3	3.1	1.3	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	2.8	1.0	1.0	.1	.1	.1					8.7	7.3
W	1.9	1.4	2.0	.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	.3	.2								3.1	5.2
NNW	1.3	1.8	.3									4.4	4.2
VARBL	2.5	1.4	1.5	.9	.7	.2						7.3	7.9
CALM												17.8	
	19.5	27.0	20.0	11.8	2.8	.9	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

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) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(ELEVATION)

SPEED (KNTS) DIR.	1 - 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.[illegible]	1.9	1.[illegible]	.[illegible]	.2	.1						7.7	5.4
NNE	4.5	3.[illegible]	2.4	.7								11.2	5.0
NE	2.1	1.7	1.[illegible]	.[illegible]								5.9	5.6
ENE	.[illegible]	1.9	.7	.1	.1							3.7	5.4
E	.[illegible]	1.2	.1	.1								2.0	4.9
ESE	.[illegible]	.1	.2									.9	4.1
SE	.[illegible]	.4										.8	2.9
SSE	.4	.5										.8	4.1
S	1.5	1.6	1.7	.4								5.3	5.4
SSW	.7	2.4	2.[illegible]	.7	.1							5.9	6.9
SW	.4	2.0	2.2	.[illegible]								5.4	7.4
WSW	.[illegible]	1.2	2.[illegible]	1.1	.1	.2						5.4	8.8
W	1.3	.7	2.2	.[illegible]	.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	.[illegible]									2.0	4.5
VARBL	4.[illegible]	2.6	1.4	1.4	.4	.1	.1					10.5	6.2
CALM												23.4	
	23.[illegible]	24.2	18.[illegible]	7.[illegible]	1.4	.[illegible]	.1					100.[illegible]	4.7

TOTAL NUMBER OF OBSERVATIONS 846

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

1

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) 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	1.6	.8	.3	.0					7.4	9.0
NNE	2.5	2.1	1.1	.4	.1							6.4	5.2
NE	1.5	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	.1	.0								.8	4.0
SE	.5	.1	.2	.1	.0	.0						.9	5.5
SSE	.4	.5	.4	.1	.0							1.6	6.1
S	1.6	1.4	1.3	.4	.1	.0						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	1.2	.2	.1						7.7	8.3
WSW	1.3	1.4	2.3	1.3	.3	.1	.0					7.3	8.6
W	1.1	.9	1.0	.4	.1	.0						4.5	7.5
WNW	.6	.6	.5	.5	.2	.0						2.4	8.0
NW	.5	.4	.2	.1	.1	.0						1.5	6.6
NNW	.5	.7	.4	.1	.1	.0						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	21.9	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/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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	3.8	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	3.8	1.3	.1	.1						15.2	5.9
ENE	2.3	2.4	.6	.8	.1							6.6	5.1
E	1.0	1.5	.1									2.6	4.0
ESE	.1	.3	.1									.5	5.0
SE	.3	.1										.4	2.8
SSE	.2	.4	.1									1.1	3.9
S	.5	2.0	1.0	.1								3.7	5.6
SSW	.4	.8	1.0	.6								3.1	7.2
SW	.5	.6	1.5	.6								3.5	7.4
WSW	1.0	.8	1.2	1.1	.3							4.3	8.6
W	.9	.5	.6	.8	.1							2.6	6.5
WNW	.7	.5	.2	.3	.1							2.0	6.3
NW	.4	.2	.5	.2	.1							1.6	7.0
NNW	1.4	.6	.8									2.7	4.3
VARBL	3.5	1.3	1.1	1.1	.4							7.7	6.8
CALM												23.5	
	26.3	23.3	16.7	7.8	2.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

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

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) 66-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	3.0	1.7	1.0	.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	1.2								13.1	5.4
ENE	3.3	3.6	1.0	.4								9.1	4.9
E	1.0	1.6	.1									2.7	3.8
ESE	.3	.1										.4	3.0
SE	.1				.2							.3	13.3
SSE	.1	.1	.1									.3	4.7
S	.3	1.2	1.0	.1								2.6	6.3
SSW	.3	1.0	1.1	.4								2.8	7.0
SW	.3	.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
WNW	.5	.1	.2	.5	.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	5.3	1.0	.9	.6	.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/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 64-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	1.8	1.2	.6	.8							6.6	7.1
NNE	4.1	3.5	1.2	1.4								10.2	5.4
NE	6.6	4.4	2.2	.2								14.3	4.5
ENE	4.6	3.4	1.4	.3	.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	.5	.2		.1	.1							1.0	5.7
S	.7	1.1	.4									2.4	4.3
SSW	1.6	1.6	1.2	.5								4.3	6.3
SW	.3	1.2	1.4	.5	.1							3.5	7.8
WSW	.2	.2	1.3	.8		.1						2.4	9.5
W	.3	.1	.4	.3								1.2	8.2
WNW	.2		.2	.1	.1							.6	9.3
NW	.4	.2	.3	.3								1.3	6.9
NNW	1.4	.5	.1									2.0	3.0
VARBL	5.5	1.5	1.2	.2	.3	.1						9.5	5.0
CALM												26.2	
	31.6	21.3	12.6	7.3	1.5	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

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

1

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) | 52-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS)

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	.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	1.6	2.0	1.2	2.	.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	.6	.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	.5								1.9	5.8
S	2.2	1.3	.6	.2								4.6	4.3
SSW	1.3	2.9	1.7	.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	.6	.3							4.5	7.6
W	.5	1.0	.9	1.1	.2							3.7	8.4
WNW	.6	.2	.5	.3		.1						1.4	9.4
NW	.1	.2	.2	.5								.9	8.6
NNW	.2	.2	.1	.1								.6	5.7
VARBL	6.5	3.0	4.3	2.9	1.4	.5						19.0	7.5
CALM												14.2	
	26.1	19.2	19.2	15.0	4.1	1.4	.1					100.0	6.3

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 STATION NAME | 68-77 YEARS | MAR MONTH

ALL WEATHER CLASS | 1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.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	1.2	.9	.4						4.6	11.9
E	.3	1.1	.2	.1								2.3	4.6
ESE	.2	.4		.1								1.4	3.6
SE	.4	.3	.1	.4	.1							1.4	7.8
SSE	1.3	1.0	.6	.1								2.7	5.1
S	2.4	1.8	1.6	.3	.1							6.5	5.6
SSW	1.2	2.2	1.2	.2								6.1	5.9
SW	.6	2.2	2.3	2.6	.6							8.8	9.1
WSW	.8	1.2	1.8	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	.9	.1					28.5	8.3
CALM												5.0	
	17.2	23.5	23.7	19.7	6.7	2.2	.2					100.0	8.0

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) 53-77 (YEARS) MAR (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	.5	1.0	1.7	3.5	1.4	.9	.1					9.2	12.9
NNE	.5	1.2	1.5	1.6	.4							5.4	9.4
NE	.3	.6	1.2	1.7	.3							4.2	10.3
ENE	.4	.4	1.5	.4	.2	.1						3.1	8.9
E	.2	.5	.5	.2	.1							2.2	6.3
ESE	.1	.2	.3	.5								1.6	5.8
SE	.5	.2	.2	.1	.2							1.3	6.9
SSE	.2	.6	.2	.2								1.8	5.2
S	1.1	1.3	1.5	.4								4.2	6.5
SSW	1.3	1.4	1.9	.8								5.4	6.4
SW	1.3	2.5	3.5	2.5	.3	.2						10.3	8.9
WSW	.2	2.2	2.2	3.2	.6							10.2	9.8
W	1.3	1.6	2.0	.9	.2							6.0	7.2
WNW	.1	.9	.5	1.2	.5							4.3	8.6
NW	.3	.4	.2	.2	.1							1.6	6.6
NNW	.3	.0	.6	.4								2.3	6.6
VARBL	4.0	3.0	5.2	3.7	2.6	.3	.2					20.0	9.1
CALM												6.9	
	17.1	18.7	25.0	22.4	7.3	1.5	.3					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) T.BREJO AB SPAIN/MADRID (STATION NAME) 64-77 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	.3	.1							4.3	6.8
E	.4	.9	.5	.1								2.0	5.4
ESE	.4	.4	.4									1.3	5.3
SE		.9	.1	.1								1.1	6.2
SSE	.2	.6	.9	.2								2.0	6.7
S	.2	1.4	1.1	.2								3.5	5.9
SSW	1.1	1.0	.8	.1								2.8	5.2
SW	1.9	2.3	2.8	1.5	.2							8.2	7.2
WSW	.8	2.8	2.4	1.2	.1							8.0	7.7
W	1.5	3.1	1.7	.4								7.2	5.3
WNW	.6	1.3	.3	.5	.1							3.0	6.7
NW	1.7	.9	.3									2.9	3.9
NNW	1.5	2.4	.7	.2	.1							5.2	5.8
VARBL	1.9	.4	2.3	2.1	.9							7.3	8.9
CALM												11.6	
	21.2	25.9	22.3	14.7	3.4	.3						100.0	6.3

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 (STATION NAME) 60-77 (YEARS) MAR (MONTH)

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	3.4	2.9	2.0	1.4	.9							11.6	7.2
NNE	4.5	2.6	2.9	.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.								5.3	6.2
E	.3	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	1.3	.9	1.2	.3								3.7	5.7
SW	1.1	1.2	1.1	.5	.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	.5	.5								2.4	7.2
NW	1.2	.5	.2	.1								1.8	4.5
NNW	1.6	.5	.4		.2							3.0	4.9
VARBL	3.3	1.6	1.9	1.6	.3							8.8	6.5
CALM												18.8	
	26.2	21.4	21.1	10.2	2.4							100.0	5.1

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) 55-77 (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	1.8	2.1	.9	.2	.0					8.7	9.0
NNE	2.4	2.3	1.7	1.1	.2	.1						8.1	6.3
NE	2.7	2.9	2.4	1.4	.2	.1						9.8	6.6
ENE	2.2	1.6	1.5	.6	.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								4.4	6.2
SW	.6	1.5	2.1	1.3	.2	.1						6.0	8.1
WSW	.8	1.3	1.7	1.5	.4	.1						5.6	8.8
W	.3	1.1	1.1	.6	.1							3.7	6.8
WNW	.5	.6	.4	.6	.1	.0						2.3	7.9
NW	.7	.4	.3	.2	.0							1.6	5.9
NNW	1.0	.9	.4	.2	.1							2.5	5.2
RBL	4.9	2.3	3.1	2.2	1.1	.2	.0					13.9	7.5
CALM												16.5	
	24.3	22.0	19.8	13.1	3.7	.8	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7437

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 60-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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	4.5	2.4	2.0	.6	.1							8.8	4.9
NNE	3.4	3.8	2.7	.9								10.7	5.6
NE	3.9	3.9	5.3	2.4								15.5	6.8
ENE	2.2	2.4	1.5	.6	.1							6.8	5.8
E	.7	1.1	.4									2.3	4.7
ESE		.4										.4	4.0
SE	.1	.1	.1									.4	4.7
SSE	.1	.6	.2									1.0	5.1
S	.7	.9	2.3	.5	.1							4.5	7.4
SSW	.7	.9	1.7	.1								3.4	6.3
SW	1.3	1.0	.2	.5								3.1	5.4
WSW	.9	.9	.6		.1							2.4	5.5
W	1.4	.6	.4	.2	.1							3.3	6.0
WNW	.4		.4	.2	.1							1.1	8.7
NW	.3	.5	.2									1.3	4.5
NNW	1.4	.2	.5	.2								2.2	4.7
VARBL	6.2	2.7	1.6	1.2								12.0	4.6
CALM												20.8	
	29.2	22.5	20.3	7.6	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 819

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

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) | APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

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

TOTAL NUMBER OF OBSERVATIONS 833

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 61-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	2.3	.5	.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							.6	10.2
SSE	.7	.4	.4									1.3	3.8
S	.5	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	.7								3.4	7.7
WSW	.3	.3	.1	.4								1.2	7.0
W	.2	.4	.1	.1								.9	5.6
WNW	.2		.3									.7	5.0
NW	.4		.1	.1								.7	4.8
NNW	1.1	.7		.2								2.2	4.3
VARBL	4.5	2.3	1.7	.5								9.8	4.7
CALM												22.9	
	29.5	24.1	15.2	7.1	.8	.1						100.0	4.2

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)

24011	TORREJON AB SPAIN/MADRID	60-77	APR	0900-1100
STATION	STATION NAME	YEARS	MONTH	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	.4	2.[illegible]	.7	.1						4.8	12.8
NNE	1.[illegible]	1.1	.7	.[illegible]								3.6	6.8
NE	1.2	1.0	1.1	1.7								5.0	7.9
ENE	2.[illegible]	1.7	2.7	1.7	.1	.[illegible]						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	.8										2.2	2.9
SSE	1.1	.3	.7	.4								2.6	6.2
S	2.2	1.3	1.1	.2	.1							5.0	5.2
SSW	1.3	1.9	2.6	1.1								6.9	7.2
SW	1.7	1.4	1.[illegible]	1.7	.7							7.2	8.3
WSW	.7	.7	.7	.4	.1							2.6	7.2
W	.[illegible]	.7	.[illegible]	.3								1.9	5.9
WNW	.7	.[illegible]	.[illegible]									1.1	3.3
NW	.1		.1	.1								.3	7.0
NNW		.2	.1	.4	.2							1.2	10.5
VARBL	9.0	6.0	[illegible]	4.2	.4	.1						28.9	6.4
CALM												8.7	
	27.[illegible]	21.4	22.[illegible]	16.6	2.4	.[illegible]						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

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

DATA PROCESSING BRANCH
USTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 58-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.6	.8	2.1	.8	.2						4.9	12.0
NNE	.3	.3	.7	.4								2.8	7.7
NE	.3	.7	1.7	1.7	.1							4.4	9.5
ENE	.7	.3	1.1	.5	.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	1.9	.3	.3							5.7	6.9
SSW	1.6	2.0	2.2	1.2	.3							7.1	7.3
SW	.9	2.6	3.3	1.8	.8	.1	.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	.3	.7	.2	.4								1.9	6.2
NW	.4	.4	.2	.1								1.2	5.2
NNW	.2	.2	.3	.7	.3	.1						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	21.1	4.2	.7	.1					100.0	7.9

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) 68-77 (YEARS) APR (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	.5	2.2	1.6	3.3	1.7							9.9	10.5
NNE	.2	.6	1.4	.3	.3							2.9	8.8
NE	.2	1.6	1.4	1.2	.2	.1						4.8	9.1
ENE	.0	.3	1.0	.6	.2							3.1	8.3
E	1.3	1.0	.3	.1								2.4	4.5
ESE	.4	.3										.8	3.0
SE	.4	.1	.3	.1								1.0	6.1
SSE	.2	.4	.1	.1								.9	6.3
S	.3	1.4	.6	.6								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	.4	1.8	2.2	1.3	.4							6.6	8.7
WNW	.4	.6	.8	.5								2.9	8.1
NW	.7	.4	.7	1.0								2.8	8.2
NNW		.3	.7	1.3	.6	.1						2.9	12.2
VARBL	4.4	6.1	10.4	7.7	1.1	.3						30.1	8.5
CALM												3.2	
	12.3	23.6	29.1	24.4	5.7	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

1

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 | APR MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	3.0	4.2	5.2	.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	1.6	1.1	.2									2.4	4.1
ESE	.6	.4	.2									1.2	4.4
SE	.1	.6	.1									.8	5.4
SSE	.4	.3	.1	.1								1.0	5.1
S	.4	1.1	1.2	.3								2.9	7.2
SSW	.7	2.3	1.6	.7	.1							5.0	6.8
SW	1.2	3.3	2.6	.7	.1							7.9	6.5
WSW	1.6	4.2	2.4	.6	.7							10.1	6.9
W	2.3	1.6	1.3	.4								6.3	5.8
WNW	.7	1.9	.7	.5								4.3	6.8
NW	1.1	.8	.6	.0								3.2	6.7
NNW	.7	2.2	1.1	.9	.3	.1						5.1	7.0
VARBL	2.7	1.2	2.3	2.4	.4							9.1	6.0
CALM												7.0	
	18.2	28.1	26.3	17.4	3.0	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 300

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) | T. PRADO AB SPAIN/MADRID (STATION NAME) | 65-77 (YEARS) | APR (MONTH)

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	4.0	2.8	3.1	1.6	.1							11.6	6.0
NNE	2.7	3.8	3.0	1.1	.3							11.6	6.5
NE	2.5	3.6	3.1	2.2	.4							11.9	7.2
ENE	1.4	1.9	1.0	1..								6.1	6.5
E	1..	.9	.3									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	.9	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	..								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	22.4	10.2	1.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON 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	1.6	2.0	2.2	.6	.1						8.8	8.2
NNE	2.1	2.4	1.0	.5	.1							7.4	6.2
NE	2.4	2.6	2.7	1.5	.1	.0						9.4	6.8
ENE	1.0	1.8	1.5	.7	.1	.1						6.2	6.5
E	1.4	1.4	.0	.1	.0							3.6	4.7
ESE	.3	.6	.1	.0								1.2	3.8
SE	.4	.3	.1	.1	.0							.9	5.0
SSE	.2	.4	.4	.1								1.3	5.6
S	1.0	1.3	1.6	.3	.1							4.3	6.4
SSW	.3	1.0	1.0	.7	.1	.0						5.0	7.1
SW	1.0	1.6	1.3	1.2	.2	.0	.0					5.9	7.9
WSW	.3	1.2	1.3	.8	.3	.0						4.3	7.7
W	1.1	1.1	.5	.3	.1							3.7	6.7
WNW	.6	.6	.4	.4	.0							2.0	6.4
NW	.8	.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	
	23.6	23.9	23.0	13.7	2.4	.3	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7050

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 65-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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	.4	.1	.1						9.5	4.3
NNE	5.6	4.4	1.6	.2		.1						12.3	4.3
NE	4.3	4.4	3.7	.7								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		.6	.1	.1								.9	6.1
SSE	.6	.6	.2	.2								1.9	5.7
S	1.2	1.5	1.2	.6								4.5	6.4
SSW	1.2	1.3	1.2	.5	.2							5.2	7.2
SW	.7	2.3	.5	.2								3.9	5.2
WSW	.3	.6	.6									2.2	4.4
W	1.3	.3	.9	.3								2.6	5.5
WNW	.5	.2	.2	.1								1.1	5.3
NW	1.6		.1									1.7	2.4
NNW	3.3	1.4										4.7	3.0
VARBL	3.3	1.4	1.0	.1	.3							6.8	4.8
CALM												21.5	
	34.9	24.7	13.9	4.2	.6	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 929

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

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ AC

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.4	2.3	1.1	.6	.2							9.4	4.5
NNE	6.7	3.3	1.3	.6								12.0	3.9
NE	5.6	2.9	1.5	.3								10.3	4.0
ENE	3.3	3.2	.2	.1								7.3	3.8
E	1.7	1.1	.1									2.9	3.5
ESE	.3	.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	1.6	.2								5.2	6.0
SSW	.3	1.6	1.6									4.3	5.6
SW	.6	1.1	1.0	.1								2.8	6.1
WSW	.2	1.1	.2	.1								2.2	4.5
W	.6	.5	.4	.1								1.7	5.1
WNW	.3	.1	.3									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	.2								6.9	4.3
CALM												26.9	
	35.3	23.4	10.9	3.2	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 928

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) 66-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.1	.2	1.3	.2	.1						2.9	10.1
NNE	4.4	1.2	.7	.6								7.1	4.3
NE	6.2	2.4	1.6	.5	.2							11.0	4.5
ENE	6.2	4.1	1.3	.6								14.2	3.9
E	3.7	1.8	.3	.2								6.0	3.4
ESE	1.6	.1	.2									1.3	3.3
SE	.8	.4										1.2	3.3
SSE	.8	.4	.3	.3								1.8	5.8
S	1.3	2.2	1.6	1.4								6.5	6.7
SSW	1.2	2.4	3.1	.6								7.3	6.6
SW	.6	1.2	1.5	.2								3.5	6.2
WSW	.8	.4	.4	.2								1.8	5.5
W	.2	.2	.1	.1								.6	5.8
WNW	.5	.1	.2		.1							1.3	6.0
NW	.2	.1	.1									.4	5.0
NNW	.4	.1										.5	2.6
VARBL	5.4	2.2	2.2	1.7								11.4	5.7
CALM												21.1	
	36.2	19.4	14.9	7.2	.5	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

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

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) 60-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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	.2	.4		1.2	.4							3.6	11.4
NNE	.1	.9	.8	.5	.2		.2					3.2	8.7
NE	.3	1.4	1.2	.7	.3	.2						4.6	8.7
ENE	1.4	1.0	1.4	.8		.1						4.6	7.2
E	2.3	2.6	.6									5.5	4.1
ESE	1.3	1.0	.4									2.7	4.0
SE	1.5	.4	.1	.2								2.3	3.8
SSE	1.2	.5	.3	.1								2.9	3.6
S	3.7	2.4	1.1	.4	.1							7.6	4.8
SSW	1.9	3.8	3.0	2.0	.2							11.0	7.3
SW	1.2	2.2	2.5	2.5	.1							8.4	8.3
WSW	.3	.4	.5	.7	.1							2.9	7.7
W	1.1	1.1	.9	.6								3.7	6.6
WNW	.1	.3	.3	.3	.1							1.4	7.9
NW	.2	.1	.3									.6	6.2
NNW	.4	.1	.2	.1								.9	6.0
VARBL	8.1	6.2	6.2	5.1	.6							28.1	6.9
CALM												6.0	
	29.6	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)

14011 (STATION) — TORREJON AB SPAIN/MADRID (STATION NAME) — 63-77 (YEARS) — MAY (MONTH)

ALL WEATHER (CLASS) — 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.8	1.0	.2	.1						3.4	9.3
NNE	.4	.9	.5	.6	.1	.4	.1					3.1	10.3
NE	.3	.5	.4	.3	.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	.3	.2	.4									1.5	4.4
SE	.1	.6	.4									1.2	6.0
SSE	.2	.6	.1									1.4	4.1
S	1.7	2.5	1.4	.8	.1							6.5	6.1
SSW	.5	2.7	1.6	2.0	.4							7.5	8.8
SW	.5	2.2	2.0	3.1	.5	.1						9.6	9.4
WSW	.4	2.0	1.5	2.7	.1	.1						6.9	9.4
W	.3	1.8	.6	2.1								4.9	8.7
WNW	.4	1.0	.6	.4								2.5	6.9
NW	.2	.4	.3									1.1	5.3
NNW		.3	.3	.2	.3							1.2	10.7
VARBL	5.2	9.0	13.9	8.5	1.7							39.5	8.3
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 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) | 66-77 (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	.5	.6	1.1	1.5	.2	.2						4.8	10.4
NNE	.3	.9	1.1	.6	.4							3.3	9.6
NE	.4	.6	.4	.2	.5							2.3	9.4
ENE	.4	1.1	.5	.5	.1							2.9	7.7
E	.3	.6	.4	.2								1.6	6.9
ESE	.2	.5	.3	.1								1.2	6.4
SE		.8	.3									1.1	5.9
SSE	.3	.6	.4	.1								1.9	5.2
S	1.5	1.8	.7	1.5	.2							5.7	7.2
SSW	1.2	1.4	1.5	2.3	.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	2.5	.2							9.3	8.6
W	1.5	1.6	2.1	1.1	.2							6.7	7.2
WNW	.3	.5	1.1	1.1	.4							3.4	9.8
NW	.3	.3	.5	.4								2.0	6.9
NNW	.1	.8	.7	.5								2.4	8.0
VARBL	3.4	7.0	11.7	7.1	.9							30.1	8.3
CALM												3.4	
	13.3	25.3	29.1	25.3	3.7	.2						100.0	8.1

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 A' SPAIN/MADRID (STATION NAME) 56-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.4	2.6	2.4	.6							9.0	8.9
NNE	1.1	1.6	1.2	1.0	.4							5.9	8.5
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	.5	.2								2.2	6.1
ESE	.3	.4	.4									1.2	5.5
SE	.9	.8	.3	.2								2.2	5.2
SSE	.4	.6	.2	.3								1.6	6.4
S	.6	2.3	1.1	.6	.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	2.6	3.1	3.1	1.2								9.5	6.5
W	2.3	2.7	2.7	1.0	.2							8.8	6.5
WNW	1.1	.9	1.3	1.1								4.5	7.3
NW	.6	1.6	.6	.1								3.1	5.7
NNW	1.7	1.2	.5	.6								4.4	5.6
VARBL	3.0	1.6	2.3	2.0	.3	.1						10.3	7.8
CALM												9.6	
	19.9	27.0	26.3	15.3	1.7	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

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

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 50-77 YEARS | MAY MONTH

ALL WEATHER CLASS

2100-2200 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	4.2	3.3	2.3	.3	.1							10.7	5.2
NNE	3.1	4.6	3.1	.4		.1						12.1	5.3
NE	1.7	3.3	1.7	1.4								8.2	6.4
ENE	1.2	1.6	1.5	.7								5.2	6.5
E	1.1	1.3	.2	.1								2.7	4.3
ESE	.5	.4	.2									1.2	3.9
SE	.3	.2	.2	.1								.9	5.4
SSE		.9	.5	.5								1.9	8.4
S	1.1	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	.7	.3	.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	5.1	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

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

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) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) 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	1.0	.3	.1						6.7	7.0
NNE	2.7	2.2	1.3	.7	.1	.1	.0					7.4	5.7
NE	2.6	2.0	.5	.7	.2	.1						7.0	5.9
ENE	2.2	1.9	1.1	.5	.0	.0						5.7	5.3
E	1.4	1.4	.4	.1								3.4	4.4
ESE	.8	.5	.3	.3								1.4	4.3
SE	.3	.5	.2	.2								1.3	4.9
SSE	.7	.5	.2	.2								1.8	5.4
S	1.2	2.0	1.5	.7	.1							5.7	6.3
SSW	1.0	2.2	2.2	1.0	.1							6.5	7.4
SW	.9	2.2	2.0	1.5	.1	.0						6.6	7.7
WSW	.5	1.5	1.2	1.0	.1	.0						4.8	7.3
W	1.1	1.2	1.0	.7	.1							4.1	6.7
WNW	.6	.5	.6	.5	.1							2.2	7.2
NW	.7	.4	.2	.1								1.5	4.9
NNW	1.0	.7	.3	.2	.0							2.6	4.7
VARBL	4.6	3.8	5.2	3.5	.5	.0						17.8	7.2
CALM												13.5	
	26.1	24.9	20.0	12.9	1.7	.2	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7433

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

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION — TORREJON AD SPAIN/MADRID STATION NAME — 60-77 YEARS — JUN MONTH

ALL WEATHER CLASS — 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	3.3	1.5	.1									7.6	2.7
NNE	5.3	3.0	2.4	.5								12.9	4.3
NE	4.1	3.8	5.6	.2								14.0	5.3
ENE	2.9	3.1	1.9	.4								9.3	4.8
E	1.9	1.0	.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	.5	1.6	.4	.1								3.0	4.5
SSW	.2	1.3	1.1									3.3	5.3
SW	.3	1.0	.6	.3								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	.9	.2	.1									1.2	3.2
NNW	1.6	.2										1.8	2.4
VARBL	4.9	1.7	1.9	.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

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 66-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	.7								16.9	4.7
ENE	5.0	2.8	1.4									9.8	3.8
E	2.2	1.2	.2									3.7	3.4
ESE	.2											.3	2.7
SE		.2										.2	5.0
SSE	.1	.6	.1	.1	.1							1.0	7.4
S	.5	1.0	.7									2.4	5.2
SSW	.7	1.0	.9	.2								3.6	5.8
SW	.6	.8	.6	.1								2.2	6.1
WSW	.4	.2	.1	.3								1.1	6.9
W	.2	.2	.1	.2								.8	6.4
WNW	.2											.2	2.5
NW	.7	.2										.9	2.6
NNW	1.6	.1										1.9	2.3
VARBL	2.9	1.6	.6									5.2	3.6
CALM												31.6	
	37.2	15.0	10.6	2.6	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 898

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

1

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) 63-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.3										1.9	1.9
NNE	2.7	.9	.2									4.7	3.6
NE	3.2	2.1	2.2	1.7	.2							11.4	6.0
ENE	3.3	4.4	3.1	.7								17.0	4.5
E	7.3	3.6	.7	.2								11.8	3.3
ESE	2.3	.6										2.9	2.7
SE	.3	.3										1.2	2.6
SSE	.2	.7	.3	.2								1.4	6.8
S	.4	1.2	.6									2.2	5.2
SSW	1.1	1.9	1.9	.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	.2								.6	7.8
WNW	.1			.1								.2	7.5
NW	.2											.2	2.0
NNW	.8	.1										.9	2.4
VARBL	5.0	2.1	4.7	1.2								14.0	5.5
CALM												19.4	
	29.5	20.0	15.6	4.6	.3							100.0	3.8

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) 68-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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	.2	.3										1.1	3.2
NNE	1.2	1.0	.6	.1								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	1.6	1.1										2.7	3.4
S	4.6	2.9	.6									7.9	3.4
SSW	1.6	2.7	1.4	.1								5.8	5.3
SW	.9	2.1	2.1	1.4	.1							6.7	7.6
WSW	1.4	1.9	.5	.2								3.8	5.3
W	1.4	.3	.4	.2	.1							2.1	5.8
WNW	.2	.1		.5		.1						.8	10.4
NW	.1											.1	1.0
NNW	.2	.4										.6	3.6
VARBL	12.6	9.4	0.9	4.2	.1							34.7	5.7
CALM												5.1	
	33.1	32.7	10.3	7.4	.4	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

1

DATA PROCESSING STAFF
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.5	.1								2.1	5.1
NNE	.3	.9	1.2	.4								2.9	7.4
NE	.3	.6	.8	.6								2.2	7.7
ENE	.3	.8	.6	.3								2.0	6.4
E	.7	.9	.8	.2								2.6	5.9
ESE	.6	1.3	.6									2.7	4.9
SE	1.1	.6	.4	.2								2.3	4.9
SSE	1.3	1.6	.4		.1							3.4	4.9
S	1.3	3.3	1.4	.6								6.7	5.9
SSW	1.2	2.6	2.7	.4	.1							7.2	6.5
SW	1.3	1.9	2.2	1.4								6.8	7.4
WSW	.6	2.4	1.9	2.1	.1							7.0	8.1
W	1.2	2.1	1.6	.8								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	6.6	12.9	15.0	6.3	.2							41.6	7.1
CALM												1.6	
	12.7	33.9	32.9	14.4	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 60-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	1.0	.6								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	.6	1.0	.3	.1								2.2	4.9
S	1.3	1.9	1.2	.3	.1							4.9	5.8
SSW	.9	1.7	1.3	.7								4.6	6.8
SW	.6	2.6	2.7	.9	.1							6.8	7.4
WSW	1.0	2.2	2.7	2.9								8.8	8.5
W	1.0	3.6	2.0	.5								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	.6	.6		.1						2.7	7.5
VARBL	5.2	11.1	14.4	6.0	.3							37.1	7.5
CALM												2.2	
	15.0	33.4	32.3	15.8	1.1	.1						100.0	7.1

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) 60-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.9	2.7	.8								7.2	7.0
NNE	1.6	1.8	2.1	.2								5.8	6.0
NE	1.1	1.9	1.6	.6								5.1	6.4
ENE	.7	1.2	1.1	1.0								4.0	7.6
E	1.2	1.2	2.1	.3	.1							5.0	6.6
ESE	.6	.8	.3	.2								1.9	5.6
SE	.2	.3	.6	.2	.1							2.0	6.6
SSE	.4	.6	.5	.2	.1							1.9	7.3
S	.9	1.8	.8	.2								3.8	5.9
SSW	.6	.9	1.1	.6								3.1	7.3
SW	2.1	2.1	2.7	1.2								8.1	6.5
WSW	1.6	4.3	2.7	.2	.1							9.8	6.4
W	1.7	3.3	2.8	.6								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	4.6	2.9	5.6	2.2	.1							15.3	6.6
CALM												7.9	
	22.3	29.8	29.2	10.6	.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)

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

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	4.6	3.3	.6	.2								8.0	3.8
NNE	5.2	3.1	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	1.8	1.6	.7									3.8	4.4
ESE	.4	.5	.1									1.1	4.4
SE	.3	.8	.6									1.7	5.3
SSE	.4	.8	.4	.2								1.9	6.1
S	.7	1.6	.7									2.9	5.2
SSW	1.3	1.0	.5	.1								3.3	4.9
SW	1.0	1.1	.6									3.2	4.0
WSW	.5	1.7	.6	.3	.2							3.7	6.3
W	2.4	1.8	.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	.5									3.4	3.5
VARBL	3.9	2.1	2.0	.7								9.4	5.2
CALM												17.8	
	31.2	36.7	15.2	4.9	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 64-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	1.4	.5	.2								4.6	4.3
NNE	3.2	2.2	1.5	.3	.0							7.1	4.6
NE	2.6	2.7	2.3	1.1	.0							8.8	6.0
ENE	2.7	2.4	1.4	.2	.0							7.2	5.3
E	2.3	1.7	.9	.2	.0							4.9	4.5
ESE	1.0	.9	.2	.1								2.1	4.2
SE	.2	.3	.3	.1	.0							1.8	4.7
SSE	.7	.8	.3	.1	.1							2.1	5.5
S	1.4	1.9	.8	.2	.0							4.2	5.0
SSW	1.0	1.8	1.4	.3	.0							4.5	6.0
SW	1.3	1.6	1.6	.7	.0							4.9	6.7
WSW	.9	1.7	1.1	.5	.1							4.6	7.0
W	1.1	1.5	1.3	.4	.0							3.9	5.9
WNW	.3	.4	.2	.2		.0						1.3	6.2
NW	.0	.5	.2	.1	.0							1.4	5.0
NNW	1.3	.6	.2	.1		.0						2.0	4.5
VARBL	5.2	5.5	6.8	2.7	.1							20.8	6.3
CALM												13.7	
	29.3	28.0	20.0	8.0	.5	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 7198

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) JUL (MONTH)

ALL WEATHER (CLASS) 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	4.3	2.5	.6	.2	.1	.1						7.8	4.2
NNE	5.3	3.5	1.7	.3								10.9	4.1
NE	5.7	5.6	5.7	2.8	.2							20.2	6.3
ENE	3.6	3.7	2.8	.9								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	.3									1.1	5.8
S	.1	.5	.1									.8	5.1
SSW	.0	1.1		.1								1.8	4.2
SW	.3	.5	.3									1.2	4.9
WSW	.2	.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	2.3	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 WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 55-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.0	1.1	.4	.1								7.4	2.9
NNE	3.2	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	1.9	.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	.2								1.3	6.6
W	.4	.1	.1									.6	3.7
WNW	.5	.1										.6	3.2
NW	1.2	.1										1.3	2.5
NNW	2.9	.9	.1									3.9	2.9
VARBL	4.1	1.9	.4	.2								6.7	3.5
CALM												25.6	
	42.0	20.5	8.3	2.2								100.0	2.9

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)

14011 (STATION) TARREJON AB SPAIN/MADRID (STATION NAME) 56-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	.2	.0	.2								3.0	4.9
NNE	3.4	1.3	.6	.1								5.5	3.7
NE	5.4	2.6	2.5	1.8								12.2	5.4
ENE	6.4	6.9	3.4	1.0	.1							18.4	5.4
E	6.0	5.0	1.2	.2								12.9	3.8
ESE	1.8	.6										2.6	2.9
SE	1.2	.3										1.6	2.7
SSE	1.0	.2										1.2	2.5
S	.8	1.4	.3									2.6	4.5
SSW	.8	1.0	.5									2.3	5.0
SW	.4	.9	.3	.1								1.7	5.4
WSW	.5	.1	.1	.4								1.2	6.5
W	.2	.1	.1	.1								.9	4.3
WNW	.1	.1										.2	2.5
NW	.3											.3	1.3
NNW	.5	.4										1.0	3.0
VARBL	5.5	3.2	3.0	1.5	.2							14.0	5.7
CALM												18.4	
	37.4	24.6	12.4	5.9	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 928

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 5Y=77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 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	.4	.4	.2	.2								1.6	7.6
NNE	.6	.6	.4	.2								2.3	6.8
NE	.0	1.1	1.6	.0								3.7	6.7
ENE	1.1	2.0	2.4	1.0								6.5	7.1
E	2.2	3.4	1.5	.4								8.0	5.4
ESE	2.3	2.6	.2									5.3	3.7
SE	1.0	1.4	.1									3.1	3.5
SSE	1.2	1.3										3.2	3.2
S	4.1	3.3	.0	.1								8.2	3.9
SSW	2.0	3.0	1.3	.2								6.7	5.0
SW	.6	2.7	1.0	.5								4.9	6.1
WSW	.0	.9	.6	1.0	.1							3.3	8.0
W	1.0	.4	.3	.3								2.0	5.3
WNW	.2											.3	2.3
NW	.1											.1	1.0
NNW		.2		.1								.3	6.3
VARBL	11.2	11.1	12.2	2.2	.4							37.1	5.8
CALM												3.4	
	31.2	34.5	22.2	7.4	.5							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) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	.6	.9								2.8	7.9
NNE	.6	.8	.4	.1								1.9	5.4
NE	.6	.9	.8	.6								2.9	7.2
ENE	.3	1.1	1.1	.1	.1							2.7	6.9
E	.6	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						4.8	8.1
W	.6	2.6	1.4	.6	.1							5.4	6.9
WNW	.3	.2	.3	.1								.9	5.8
NW	.1	.6		.3								1.1	6.8
NNW	.1	.5	.2	.1								1.0	6.0
VARBL	6.0	11.4	21.5	6.9	.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

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

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) JUL (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	.5	.3	1.0	1.4	.1	.1						3.4	9.8
NNE	.5	.3	.6	.6								2.2	8.1
NE		.8	.9	.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	.3	.2									.9	4.9
SE	.2	.4	.4	.1								1.0	6.9
SSE	.3	1.3	.3	.1								2.0	5.7
S	1.2	.9	1.5	.5								5.2	6.1
SSW	.4	1.3	2.4	1.0	.1							6.1	7.8
SW	.6	1.8	2.8	2.4	.2							7.8	8.9
WSW	.3	2.6	3.5	1.3	.2	.1						8.1	8.5
W	.3	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
VARBL	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 | TURREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | JUL MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.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	.6	.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	4.6	.9								10.4	6.6
W	2.5	3.9	4.3	1.3	.1							11.7	6.3
WNW	1.4	1.9	1.5	.8								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	2.6	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 — TORREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — JUL MONTH

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	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	.6	1.5	.3									2.5	4.6
ESE	.4	.4										.9	3.6
SE		.3	.4	.2								1.2	7.3
SSE		.3	.1	.6								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	.9	.6	.4	.1								2.0	4.3
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	
	26.0	28.6	17.7	10.2	1.0		.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

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

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) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	1.3	1.0	.9	.0	.0						5.5	5.9
NNE	2.9	1.9	1.3	.5	.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	.3	.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	5.0	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

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

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 | AUG MONTH

ALL WEATHER CLASS

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	5.2	1.7	.3	.2								7.4	3.2
NNE	5.4	4.5	3.7	.8								14.3	5.1
NE	4.3	4.3	5.5	2.6								16.9	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	.2	.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)

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

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	6.1	1.8	.1	.3								8.4	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	.1									.3	5.3
S	.5	.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	
	39.0	25.2	10.1	3.1								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

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

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) 68-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	5.4	.2							100.0	3.7

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) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 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	.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	.8	.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	20.4	8.3	.9							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 STATION | TURREJON AB SPAIN/MADRID STATION NAME | 58-77 YEARS | AUG MONTH

ALL WEATHER CLASS | 1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	.6	.6	.2								2.7	5.2
NNE	.5	1.0	1.5	.6	.1							3.8	7.7
NE	.3	.5	.9	.8	.1							2.6	8.7
ENE	.3	.3	.5	.8	.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)

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

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.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	.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	.8	.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 AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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								3.8	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	3.1	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							14.4	7.9
CALM												7.3	
	20.9	29.2	26.5	14.7	1.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

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

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) AUG (MONTH)

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	3.8	2.6	.9	.5								7.7	4.2
NNE	3.3	5.6	5.4	.9								15.2	5.9
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	4.9

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)

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | AUG 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	2.7	1.4	.9	.9	.1							5.9	5.5
NNE	2.9	2.5	1.9	.5	.0							7.8	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								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								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)

ALL WEATHER (CLASS)

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	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	4.4
CALM												30.9	
	34.8	22.2	10.8	1.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

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

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)

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	4.8	.6	.4	.1								5.9	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									.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

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

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)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	.3	.5	.1								2.8	4.0
NNE	5.2	.4	.9	.2	.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 — 68-77 YEARS — SEP MONTH

ALL WEATHER CLASS

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	.6	.6	.6	.7								2.3	7.3
NNE	.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									5.4	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

1

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)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.8	.6	.0	.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
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

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	.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								5.1	5.4
SSW	2.1	3.3	1.9	.1								7.4	5.5
SW	1.7	2.8	1.7	2.4	.4							9.0	8.1
WSW	.8	3.7	3.6	3.7	.4							12.1	8.8
W	1.7	2.2	3.1	2.0	.1	.1						9.2	7.7
WNW	.6	.8	1.2	.2								2.8	7.0
NW	.2	.9	.4	.2								1.8	6.5
NNW	.1	1.0	.7	.3	.1							2.2	7.9
VARBL	4.4	10.7	9.4	5.4	.1							30.1	7.0
CALM												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)

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

ALL WEATHER (CLASS)

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

(CONDITION)

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

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

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) 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	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	4.3
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	4.6
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)

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

ALL WEATHER (CLASS)

0000-0200 (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	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		.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) OCT (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	3.4
SE	.5	.3	.2									1.1	4.0
SSE		.3	.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

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

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) 63-77 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	3.4	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								.4	6.5
NNW	.6		.2	.1								1.0	5.3
VARBL	3.3	1.3	.6	.8								6.0	4.7
CALM												31.5	
	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 STATION NAME | 68-77 YEARS | OCT MONTH

ALL WEATHER CLASS

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	.4	.3	.2	.5								1.7	8.0
NNE	.8	.2	.4	.9	.3							2.6	9.2
NE	3.0	.9	.2	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							.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

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

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)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	.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								3.5	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								8.3	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 (STATION NAME) 68-77 (YEARS) OCT (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	.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 - 16	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 AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) OCT (MONTH)

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								2.4	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

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

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) 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	.0						3.5	6.6
WNW	.5	.4	.3	.3	.1							1.7	7.3
NW	.3	.3	.3	.2	.0	.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 7439

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) 68-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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	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							13.0	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								2.4	7.4
SSW	.9	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								.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	8.4

TOTAL NUMBER OF OBSERVATIONS 899

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

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 — NOV MONTH

ALL WEATHER CLASS

CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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							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		.3								.8	7.9
S	.3	1.6	.8	.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		.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) 68-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	2.8	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 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 56-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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	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	.8	.2							5.6	5.9
SW	1.3	.6	1.4	1.8	.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	.2								.6	7.0
VARBL	4.4	2.3	2.4	2.2	1.2	.4	.1					13.2	9.1
CALM												27.5	
	31.1	14.7	12.6	10.7	2.8	.6	.1					100.0	4.5

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) 68-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	.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	1.0	.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/MAC

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)

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	1.3	.8	1.7	2.1	.4	.1						6.4	9.1
NNE	1.3	.7	1.0	.6	.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			.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	2.1	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	
	25.1	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)

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

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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		.1									.2	4.5
SE	.1			.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	1.3	1.1	.3								3.7	6.7
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	2.4	1.7	.3	.2						10.1	7.0
CALM												26.1	
	25.7	22.4	16.1	7.9	1.2	.6						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

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

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	4.3	1.6	1.7	.7	.1							8.3	5.0
NNE	4.8	3.2	.8	.4								9.2	4.2
NE	5.2	5.3	1.1	1.2								12.9	4.7
ENE	3.1	3.7	.8	.3	.1							8.0	4.6
E	1.4	1.6	.1									3.1	3.5
ESE		.1										.1	4.0
SE	.2				.1							.3	7.7
SSE	.2		.2		.1							.6	8.0
S	.6	1.0	.3	.7								2.6	7.1
SSW	1.0	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		.1	.1							1.1	6.0
NNW	1.0	.1	.4	.1								1.7	4.3
VARBL	4.8	1.4	1.9	1.6	.2	.2						10.1	6.1
CALM												28.8	
	29.6	22.3	11.4	7.8	.9	.2						100.0	3.9

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) 64-77 (YEARS) NOV (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	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	.6	.2	.0	.0								.8	3.0
SE	.4	.1	.0	.1	.0	.0						.6	4.8
SSE	.6	.2	.2	.1	.0							1.2	5.2
S	1.2	1.5	.8	.6	.1	.0						4.0	6.2
SSW	1.6	1.5	1.3	.6	.0	.0						5.0	6.1
SW	1.2	1.6	1.5	1.0	.1	.0						5.3	7.1
WSW	1.0	.9	.9	.8	.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

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

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) 66-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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	3.4	1.6	.4	1.1	1.0	.1						7.6	7.0
NNE	5.3	2.4	1.7	.3	.1							9.8	4.4
NE	6.6	3.3	1.6	.9	.3							12.4	4.9
ENE	4.7	1.9	.9									7.5	3.5
E	1.8	.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	6.9
S	.4	1.3	1.0	.6								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	1.3	.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									.4	5.0
NNW	1.4	.2	.1	.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		.1				100.0	3.6

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) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	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	.5		.1							6.6	3.6
E	1.5	1.3	.2	.1								3.1	4.0
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	.3	.2										.5	2.8
NNW	.3	.2	.3	.1	.1	.1						1.7	6.7
VARBL	3.0	1.0	.5	.0	.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) TORREJON AB SPAIN/MADRID (STATION NAME) 46-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	2.0	.9	.9	.2	.2						7.7	5.8
NNE	5.9	2.2	1.0	.4								9.5	3.9
NE	2.6	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	.3	.3	.5	.3								1.7	6.5
WNW	.2	.2	.2	.2	.3	.1						1.3	11.9
NW	.3	.1										.9	2.4
NNW	1.6	.3		.5	.3	.1						2.9	7.3
VARBL	2.5	.5	.5	.2	.1							4.6	5.5
CALM												39.0	
	29.0	14.2	8.9	7.0	1.4	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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	1.5	.6	.3	.6	1.5	.4						5.1	11.3
NNE	2.3	1.2	.6	.3	.1							4.9	5.6
NE	2.6	2.3	1.0	1.6	.2							7.7	6.3
ENE	4.4	3.0	1.7	1.0	.2							10.3	5.3
E	4.7	1.8	.8	.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							5.2	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	1.2		.1						1.9	11.3
WNW	.5	.1	.1	.1	.1	.6						1.6	13.6
NW	.3		.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

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

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 — DEC MONTH

ALL WEATHER CLASS — 1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.5	.3	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	2.6	.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	1.3	.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	.9	.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	1.0	.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	.3								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

1

SURFACE WINDS

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

14011 (STATION) | TORREJON AP SPAIN/MADRID (STATION NAME) | 66-77 (YEARS) | DEC (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	1.4	1.3	1.6	3..	1.9	.8						10.0	12.0
NNE	1.2	1.4	1.2	.1								3.9	5.5
NE	1..	.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	.8	.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	.6	.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..	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

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

7454

1

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) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	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	.7								7.8	5.7
ENE	2.2	1.4	1.0	.2	.1							4.8	5.0
E	1.4	.9	.3	.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	.8		.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
NNW	1.4	1.0	.1	.3	.2							3.0	5.7
VARBL	2.3	1.4	.8	1.4	.4							6.9	6.4
CALM												28.5	
	26.7	21.0	11.1	10.8	1.2	.6	.2					100.0	4.4

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) DEC (MONTH)

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	3.7	1.2	1.4	1.5	.5	.1						8.4	6.9
NNE	4.5	3.7	1.3	.5	.1							10.1	4.7
NE	5.7	3.5	2.0	.4	.1							12.0	4.5
ENE	4.2	2.3	.5	.4								7.6	4.0
E	1.5	1.8	.2									3.5	4.0
ESE	.1	.4	.3									.9	5.6
SE	.2	.1	.1									.4	3.8
SSE	.2		.2	.1								.5	7.2
S	.6	.3	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							3.9	8.7
WSW	.2	1.0	.9	.9								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	2.9	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/MAC

1

SURFACE WINDS

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

14011 (STATION) TORREJON AB SPAIN/MADRID (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 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.6	1.0	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	3.5	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						3.7	6.4
SSW	1.3	1.1	1.1	.5	.1							4.2	6.5
SW	1.3	1.2	1.0	.2	.3	.1	.0					4.8	7.7
WSW	1.2	.7	.9	1.0	.1							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	.2	.1	.1	.1		.0						.8	5.5
NNW	1.0	.3	.1	.2	.1	.1		.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	9.1	2.9	.9	.0	.0				100.0	6.4

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
TORREJON AB SPAIN/MADRID — STATION NAME
68-78 — YEARS
ALL — 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	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	.5	.1	.2						6.7	5.4
E	1.9	1.5	.5	.1	.0							4.0	4.3
ESE	.7	.4	.1	.1	.0							1.3	3.7
SE	.5	.3	.2	.1	.0	.0						1.1	4.7
SSE	.7	.6	.3	.2	.0							1.7	5.3
S	1.3	1.5	1.0	.4	.1	.0						4.3	5.8
SSW	1.1	1.7	1.5	.6	.1	.0						5.1	6.5
SW	1.5	1.6	1.7	1.1	.1	.0	.0					5.6	7.6
WSW	1.0	1.3	1.4	1.1	.2	.0	.0					4.9	7.8
W	1.6	1.0	1.0	.5	.1	.0						3.7	6.7
WNW	.5	.4	.4	.3	.1	.0						1.8	7.2
NW	.5	.3	.2	.1	.0	.0						1.3	5.7
NNW	1.0	.6	.3	.2	.1	.0		.0				2.2	5.3
VARBL	4.7	3.5	4.1	2.3	.4	.1	.0					15.2	6.8
CALM												19.3	
	27.3	23.0	17.0	10.4	1.8	.6	.0	.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 87476

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

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) 68-78 (YEARS) ALL (MONTH)

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

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

(CONDITION)

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	.6	.1	.0								2.4	3.0
NNE	2.1	.9	.2	.0								3.2	3.1
NE	2.1	1.1	.1	.1	.2							3.7	4.6
ENE	2.3	.9	.2	.0	.0							3.4	3.3
E	2.1	.7	.2	.0								3.1	3.3
ESE	.3	.1										.9	2.5
SE	.4	.1	.1									.5	3.2
SSE	.5	.3	.0	.1								.9	4.2
S	1.9	2.3	1.5	.2	.1							6.1	5.3
SSW	2.4	4.3	4.5	2.2	.1							13.6	7.0
SW	1.9	2.9	4.4	2.6	.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	.3	.0		.0	.0							.6	3.3
NNW	.7	.3	.1									1.1	3.0
VARBL	2.2	1.0	1.1	1.0	.2	.1	.1					5.7	7.1
CALM												32.4	
	24.0	17.4	15.2	9.0	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.

D

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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 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 $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

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

S74-29964

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 TORREJON AB SPAIN/MADRID 9-7 JAN
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		48.9	49.1	50.1	51.7	51.7	52.4	52.4	52.5	52.6	52.6	52.7	52.8	52.8	52.8	52.9
≥ 20000		52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.2	56.3	56.3	56.5	56.6	56.6	56.6	56.7
≥ 18000		52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.2	56.3	56.3	56.5	56.6	56	56.6	56.7
≥ 16000		52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.2	56.3	56.3	56.5	56.6	5	56.6	56.7
≥ 14000		52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.2	56.3	56.3	56.5	56.6	56.6	56.6	56.7
≥ 12000		53.1	53.3	54.3	55.9	55.9	56.6	56.6	56.7	56.8	56.8	56.9	57.0	57.0	57.0	57.1
≥ 10000		53.8	54.0	54.9	56.6	56.6	57.2	57.2	57.3	57.4	57.4	57.5	57.6	57.6	57.6	57.7
≥ 9000		54.1	54.3	55.4	57.1	57.0	57.6	57.6	57.7	57.8	57.8	58.0	58.1	58.1	58.1	58.2
≥ 8000		57.2	58.1	59.5	61.1	61.1	61.7	61.7	61.8	61.9	61.9	62.0	62.2	62.2	62.2	62.3
≥ 7000		60.4	61.3	62.4	64.0	64.0	64.6	64.6	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.2
≥ 6000		61.4	61.7	63.1	64.7	64.7	65.4	65.4	65.5	65.6	65.6	65.7	65.8	65.8	65.8	65.9
≥ 5000		61.7	62.0	63.5	65.3	65.3	65.9	65.9	66.0	66.1	66.1	66.2	66.3	66.3	66.3	66.5
≥ 4500		62.8	63.1	64.5	66.2	66.3	67.1	67.1	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.6
≥ 4000		63.8	64.1	65.5	67.3	67.3	68.1	68.1	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.6
≥ 3500		64.8	65.2	66.7	68.4	68.4	69.1	69.1	69.2	69.4	69.4	69.5	69.6	69.6	69.6	69.7
≥ 3000		69.1	69.4	70.3	72.3	72.3	73.0	73.1	73.2	73.7	73.7	73.8	73.9	73.9	73.9	74.0
≥ 2500		71.4	71.6	73.9	76.1	76.0	76.8	76.9	77.0	77.4	77.4	77.5	77.6	77.6	77.6	77.7
≥ 2000		74.1	74.3	76.6	78.7	78.9	79.8	79.9	80.0	80.4	80.4	80.5	80.6	80.6	80.6	80.8
≥ 1800		74.7	75.2	77.4	79.6	79.6	80.5	80.6	80.8	81.2	81.2	81.3	81.4	81.4	81.4	81.5
≥ 1500		77.0	77.5	79.7	82.1	82.0	83.1	83.2	83.3	83.8	83.8	83.9	84.0	84.0	84.0	84.1
≥ 1200		79.9	79.3	81.7	84.2	84.2	85.3	85.5	85.9	86.3	86.5	86.6	86.7	86.7	86.7	86.8
≥ 1000		80.3	80.8	83.4	86.0	86.0	87.1	87.3	88.3	88.7	88.8	88.9	89.0	89.0	89.0	89.1
≥ 900		81.1	81.8	84.3	87.2	87.2	88.3	89.0	89.5	89.9	90.0	90.1	90.2	90.2	90.2	90.3
≥ 800		81.7	82.3	85.2	88.2	88.2	89.2	90.0	90.4	90.9	91.0	91.1	91.2	91.2	91.2	91.3
≥ 700		83.0	83.9	87.1	90.2	90.2	91.4	92.3	92.7	93.1	93.2	93.3	93.4	93.4	93.4	93.5
≥ 600		83.1	83.9	87.4	91.1	91.0	92.5	93.3	93.8	94.3	94.4	94.5	94.6	94.6	94.6	94.7
≥ 500		83.1	83.9	87.7	91.3	91.3	92.9	94.0	94.5	95.1	95.2	95.3	95.4	95.4	95.4	95.5
≥ 400		83.2	83.9	87.7	91.5	91.5	93.2	94.5	95.2	95.8	95.9	96.0	96.1	96.1	96.1	96.2
≥ 300		83.2	83.9	88.1	91.7	91.7	93.7	95.1	95.7	96.5	96.6	96.7	96.8	96.8	96.8	96.9
≥ 200		83.2	83.9	88.1	91.7	91.7	93.7	95.1	95.7	96.8	96.9	97.2	97.6	98.0	98.2	98.3
≥ 100		83.2	83.9	88.1	91.7	91.7	93.7	95.1	95.7	96.8	96.9	97.2	97.6	98.0	98.4	99.2
0		83.2	83.9	88.1	91.7	91.7	93.7	95.1	95.7	96.8	96.9	97.2	97.6	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSED BY
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON A/ SPAIN/ AB STATION NAME — 59-74 YEARS — JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		47.4	48.1	48.1	49.0	49.6	50.0	50.3	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.5
≥ 20000		50.5	50.7	51.1	52.1	52.9	53.3	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.9
≥ 18000		50.9	51.1	51.1	53.1	53.1	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.1
≥ 16000		50.9	51.1	51.1	53.1	53.1	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.1
≥ 14000		50.9	51.1	51.1	53.1	53.1	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.1
≥ 12000		51.3	51.5	52.4	53.7	53.7	54.1	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.6
≥ 10000		51.7	52.1	53.1	54.0	54.6	55.1	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.6
≥ 9000		52.6	52.9	53.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2
≥ 8000		55.4	55.9	56.7	58.2	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.2
≥ 7000		57.6	58.2	60.1	61.6	61.6	62.0	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.6
≥ 6000		58.9	59.3	60.9	62.3	62.5	62.9	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4
≥ 5000		59.1	60.4	61.5	63.1	63.1	63.5	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.1
≥ 4500		60.1	61.3	62.4	64.2	64.2	64.6	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1	65.2
≥ 4000		60.9	61.4	62.7	64.4	64.4	64.8	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.4
≥ 3500		62.1	63.3	64.7	66.0	66.6	67.0	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.5
≥ 3000		66.7	66.2	67.7	69.2	69.8	70.3	70.8	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.2
≥ 2500		68.3	68.8	70.4	72.8	72.6	74.1	73.5	73.5	73.8	73.8	73.8	74.0	74.1	74.1	74.2
≥ 2000		69.3	70.2	72.2	74.4	74.4	76.2	75.6	75.6	75.8	75.8	75.8	76.0	76.1	76.1	76.2
≥ 1800		70.8	71.3	73.2	75.3	75.5	77.2	76.7	76.7	76.9	76.9	76.9	77.1	77.2	77.2	77.3
≥ 1500		74.2	74.7	77.1	79.4	79.4	81.1	80.8	81.0	81.2	81.2	81.2	81.4	81.5	81.5	81.6
≥ 1200		76.9	77.4	79.1	82.3	82.3	83.8	83.9	84.2	84.5	84.5	84.5	84.7	84.8	84.8	84.9
≥ 1000		77.6	79.2	81.1	84.2	84.2	85.9	86.2	86.6	87.1	87.1	87.1	87.3	87.4	87.4	87.5
≥ 900		79.2	79.9	82.1	84.5	84.8	86.6	87.0	87.3	87.8	87.8	87.8	88.1	88.2	88.2	88.3
≥ 800		80.2	81.2	83.4	86.6	86.6	88.3	88.7	89.2	89.8	89.8	89.8	90.0	90.1	90.1	90.2
≥ 700		81.5	81.5	84.5	87.4	87.4	89.4	89.9	90.4	91.0	91.0	91.0	91.2	91.3	91.3	91.4
≥ 600		81.8	81.8	85.2	88.1	88.1	89.8	90.5	91.1	91.8	91.8	91.8	92.0	92.2	92.3	92.4
≥ 500		82.2	82.5	86.1	89.4	89.4	91.3	92.4	92.9	93.7	93.7	93.7	94.0	94.1	94.2	94.3
≥ 400		82.2	82.4	86.1	89.5	89.5	91.4	93.0	93.5	94.3	94.3	94.3	94.6	94.7	94.8	94.9
≥ 300		82.2	82.4	86.1	89.5	89.5	91.4	93.9	94.5	95.4	95.5	95.6	95.9	96.0	96.1	96.2
≥ 200		82.2	82.4	86.1	89.5	89.5	91.5	94.1	94.7	95.6	95.9	96.2	97.0	97.2	97.4	97.6
≥ 100		82.2	82.4	86.1	89.5	89.5	91.5	94.1	94.7	95.6	96.0	96.3	97.2	98.0	98.5	99.4
≥ 0		82.2	82.5	86.2	89.5	89.6	91.6	94.2	94.8	95.7	96.1	96.5	97.3	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROC SOI ? ... A ?r
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

14011 STATION | T ?AFB ... STATION NAME | 59-73 YEARS | JA MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥	≥5/16	≥	≥0
NO CEILING		47.4	48.0	48.4	49.1	49.1	4 .4	49.6	49.6	49.7	49.7	49.	49.9	49.9	49.9	49.9
≥ 20000		5 .4	50.	51.1	51.5	51.9	52.2	52.4	52.5	52.6	52.6	52.7	52.8	52.8	52.8	52.8
≥ 18000		50.5	50.9	51.2	52.3	52.3	52.5	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1
≥ 16000		50.5	50.9	51.2	52.3	52.3	52.5	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1
≥ 14000		51.4	51.	51.3	52.4	52.4	52.6	52.8	52.9	53.0	53.0	53.1	53.2	53.2	53.2	53.2
≥ 12000		50.9	51.2	51.5	52.0	52.6	52.8	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4
≥ 10000		51.1	51.4	51.7	52.9	52.9	53.1	53.4	53.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9
≥ 9000		51.7	52.	52.4	53.5	53.5	53.8	54.1	54.2	54.3	54.3	54.4	54.5	54.5	54.5	54.5
≥ 8000		54.3	55.3	55.7	57.	57.0	57.2	57.5	57.6	57.7	57.7	57.8	58.0	58.0	58.0	58.0
≥ 7000		58.0	58.4	59.1	60.4	60.4	6 .6	61.0	61.1	61.3	61.3	61.4	61.5	61.5	61.5	61.5
≥ 6000		58.4	58.9	59.7	60.9	60.9	61.1	61.4	61.5	61.7	61.7	61.8	61.9	61.9	61.9	61.9
≥ 5000		59.0	59.5	60.2	61.5	61.5	61.7	62.0	62.2	62.4	62.4	62.5	62.6	62.6	62.6	62.6
≥ 4500		59.7	60.2	61.	62.3	62.3	62.5	62.8	62.9	63.1	63.1	63.2	63.3	63.3	63.3	63.3
≥ 4000		60.0	60.5	61.3	62.6	62.6	62.8	63.1	63.2	63.4	63.4	63.5	63.7	63.7	63.7	63.7
≥ 3500		61.4	61.9	62.7	64.1	64.1	64.3	64.6	64.7	64.9	64.9	65.1	65.2	65.2	65.2	65.2
≥ 3000		64.1	64.6	65.5	66.9	66.9	67.3	67.6	67.8	68.1	68.1	68.2	68.3	68.3	68.3	68.3
≥ 2500		65.8	66.3	67.9	68.6	68.6	69.1	69.5	69.8	70.0	70.0	70.1	70.2	70.4	70.4	70.4
≥ 2000		67.4	68.1	69.4	71.3	71.3	71.8	72.3	72.7	72.9	72.9	73.1	73.2	7 .5	73.5	73.5
≥ 1800		69.1	69.7	70.9	72.9	72.9	73.4	73.9	74.2	74.4	74.4	74.5	74.6	74.8	74.8	74.8
≥ 1500		70.0	70.7	72.3	74.5	74.5	75.2	75.7	76.1	76.3	76.3	76.4	76.7	77.0	77.0	77.0
≥ 1200		72.9	73.6	74.4	77.2	77.2	78.0	78.5	78.9	79.2	79.2	79.3	79.6	80.0	80.1	80.1
≥ 1000		73.7	74.5	76.3	79.5	79.5	8 .5	81.3	81.8	82.2	82.2	82.4	82.5	82.9	83.0	83.0
≥ 900		74.2	75.0	77.2	80.3	80.3	81.4	82.2	82.7	83.0	83.0	83.2	83.3	83.8	84.0	84.0
≥ 800		74.9	76.2	78.5	81.1	81.9	82.2	84.0	84.8	85.2	85.2	85.4	85.5	85.9	86.1	86.1
≥ 700		75.9	77.2	79.9	83.0	83.5	85.1	85.8	86.7	87.2	87.2	87.4	87.5	88.0	88.3	88.3
≥ 600		76.1	77.8	80.2	84.5	84.5	86.3	88.2	88.9	89.0	89.0	89.1	89.2	89.7	90.0	90.0
≥ 500		76.3	78.0	81.3	86.	86.0	88.2	89.4	90.4	91.5	91.5	91.7	91.8	92.3	92.6	92.7
≥ 400		76.3	78.0	81.7	87.0	87.0	89.1	90.6	91.7	92.9	93.0	93.2	93.3	93.8	94.1	94.3
≥ 300		76.3	78.0	81.7	87.1	87.1	89.4	91.3	92.5	93.8	93.9	94.1	94.3	94.7	95.1	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	97.0	97.2
≥ 100		76.3	78.0	81.7	87.1	87.1	89.5	91.5	92.8	94.4	94.5	94.9	95.5	96.7	97.5	99.0
≥ 0		76.5	78.1	81.9	87.2	87.2	89.6	91.6	92.9	94.5	94.6	94.9	95.7	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

14011 STATION — T.BREJ[illegible] SPAIN/[illegible] STATION NAME — 59-7 YEARS — JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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	45.3	45.3	45.3
≥ 20000		47.7	48.3	49.4	50.7	50.7	51.1	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000		48.1	49.3	49.[illegible]	51.1	51.1	51.6	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000		48.1	49.4	50.1	51.3	51.3	51.8	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000		48.2	49.3	50.2	51.3	51.5	51.9	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000		48.7	50.3	51.4	52.2	52.2	52.6	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000		50.5	52.1	53.4	54.2	54.2	54.6	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000		51.1	52.8	54.1	55.0	55.0	55.4	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 8000		53.7	54.5	55.8	57.1	57.1	57.5	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000		55.9	56.7	57.9	59.7	59.7	60.1	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000		56.5	57.3	58.5	60.3	60.3	60.7	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 5000		56.5	57.3	58.5	60.3	60.5	61.2	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500		57.9	58.7	59.9	61.9	61.9	62.6	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000		58.9	59.7	61.0	63.1	63.1	63.8	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3500		60.1	60.9	62.1	64.3	64.5	65.2	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000		62.3	63.1	64.4	67.2	67.2	68.0	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2500		64.4	65.2	66.7	69.4	69.8	70.6	71.3	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2000		67.2	68.0	70.2	73.2	73.2	74.5	75.2	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1800		67.7	68.7	70.9	74.0	74.0	75.2	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1500		70.4	71.3	74.1	77.7	77.7	79.0	79.8	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1200		72.1	73.4	76.1	80.1	80.1	81.5	82.2	82.8	83.0	83.0	83.0	83.0	83.2	83.2	83.2
≥ 1000		72.2	74.7	77.4	81.4	81.5	83.3	84.4	84.9	85.3	85.4	85.4	85.4	85.6	85.6	85.6
≥ 900		74.1	75.7	78.5	83.1	83.3	85.0	86.1	86.7	87.0	87.1	87.1	87.1	87.3	87.3	87.3
≥ 800		74.3	76.1	79.1	84.1	84.1	85.8	87.0	87.7	88.1	88.2	88.3	88.3	88.5	88.5	88.5
≥ 700		74.7	76.5	80.1	85.6	85.6	87.6	88.8	89.7	90.3	90.6	90.7	90.7	91.0	91.0	91.0
≥ 600		74.8	77.1	80.9	86.4	86.4	88.6	89.8	90.6	91.5	91.8	91.9	91.9	92.1	92.1	92.1
≥ 500		74.9	77.2	81.3	87.5	87.5	89.3	91.6	92.8	94.0	94.4	94.5	94.5	94.7	94.7	94.7
≥ 400		74.9	77.2	81.4	87.7	87.7	89.7	92.1	93.4	94.9	95.6	95.8	95.8	96.0	96.0	96.0
≥ 300		74.9	77.3	81.9	87.7	87.7	89.7	92.4	93.8	95.4	96.1	96.3	96.3	96.6	96.6	96.7
≥ 200		74.9	77.5	81.4	87.7	87.7	89.7	92.6	94.0	95.8	96.9	97.1	97.1	97.5	98.1	98.6
≥ 100		74.9	77.3	81.4	87.7	87.7	89.7	92.6	94.0	95.8	96.9	97.1	97.1	97.6	98.3	99.6
= 0		74.9	77.3	81.4	87.7	87.7	89.7	92.6	94.0	95.8	96.9	97.1	97.1	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION | TORREJON AB SPAIN/ AEROID STATION NAME | 9-72 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	2	≥5/16	≥0	≥0
NO CEILING		43.5	43.9	44.5	45.2	45.3	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000		51.5	51.9	52.5	53.2	53.3	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000		52.4	52.9	53.7	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000		52.4	52.9	53.7	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000		53.1	53.6	53.9	54.6	54.6	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000		53.5	53.9	54.2	55.4	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000		54.9	55.3	56.1	56.9	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000		56.4	57.0	57.4	58.7	58.7	58.9	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000		59.2	59.7	60.2	61.5	61.5	61.7	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000		61.5	62.2	62.7	64.2	64.2	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000		61.9	62.5	63.7	64.9	64.8	65.1	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000		62.3	62.7	63.8	65.2	65.2	65.4	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500		64.4	65.1	66.2	67.5	67.5	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000		66.7	67.3	68.5	69.9	69.8	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500		69.1	69.7	70.9	72.2	72.2	72.5	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000		72.4	73.1	74.2	75.7	75.7	76.1	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500		75.5	76.2	77.5	79.2	79.2	79.8	79.9	80.1	80.2	80.3	80.3	80.5	80.5	80.5	80.5
≥ 2000		77.7	78.7	80.1	82.1	82.8	83.4	83.5	83.8	83.9	84.1	84.0	84.2	84.2	84.2	84.2
≥ 1800		77.9	78.9	80.2	82.8	82.8	83.7	83.8	84.0	84.1	84.2	84.2	84.4	84.4	84.4	84.4
≥ 1500		81.4	82.6	84.3	86.7	87.0	87.6	87.7	88.0	88.1	88.2	88.2	88.4	88.4	88.4	88.4
≥ 1200		82.4	83.9	85.7	88.5	89.5	89.4	89.5	89.7	89.8	89.9	89.9	90.1	90.1	90.1	90.1
≥ 1000		83.2	84.6	86.7	89.6	90.3	91.4	91.5	91.7	91.9	92.0	92.0	92.3	92.3	92.3	92.3
≥ 900		85.4	86.2	87.5	91.1	91.1	92.2	92.4	92.7	92.9	93.0	93.0	93.2	93.2	93.2	93.2
≥ 800		85.7	86.5	87.8	92.0	92.4	93.4	93.8	94.2	94.4	94.5	94.5	94.7	94.7	94.7	94.7
≥ 700		87.7	88.6	89.7	93.4	93.7	94.9	95.4	95.8	96.0	96.1	96.1	96.3	96.3	96.3	96.3
≥ 600		88.2	89.2	90.1	93.8	94.0	95.4	96.1	96.6	96.9	97.1	97.1	97.3	97.3	97.3	97.3
≥ 500		88.8	89.6	90.4	94.2	94.4	95.8	97.1	97.6	98.0	98.3	98.3	98.5	98.5	98.5	98.5
≥ 400		89.0	89.8	90.5	94.6	94.8	96.3	97.7	98.4	98.8	99.1	99.1	99.4	99.4	99.4	99.4
≥ 300		89.1	89.9	90.5	94.6	94.8	96.3	97.7	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.5
≥ 200		89.2	89.9	90.5	94.6	94.8	96.3	97.7	98.5	98.9	99.2	99.2	99.5	99.6	99.7	99.8
≥ 100		89.2	89.9	90.5	94.6	94.8	96.3	97.7	98.5	98.9	99.2	99.2	99.5	99.6	99.8	100.0
0		89.2	89.9	90.5	94.6	94.8	96.3	97.7	98.5	98.9	99.2	99.2	99.5	99.6	99.8	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 (STATION NAME) 59-74 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥	≥	≥	≥5 16	≥	≥0
NO CEILING		41.9	42.2	42.	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		50.9	51.	52.2	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000		52.7	52.7	53.	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.	54.0	54.0	54.0	54.0
≥ 16000		52.7	52.7	53.	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		53.4	53.	53.7	54.	54.0	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000		53.1	53.	54.4	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000		54.9	55.3	56.2	56.6	56.6	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000		56.9	57.6	58.	58.7	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000		59.9	60.	61.3	62.	62.0	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000		62.7	63.	64.	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		63.3	64.0	65.	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		64.2	65.	66.2	66.	66.8	67.1	67.1	67.2	67.3	67.	67.3	67.3	67.3	67.3	67.3
≥ 4500		66.9	68.	69.	69.	69.5	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000		69.4	70.2	71.	72.2	72.2	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 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.	78.4	79.	79.0	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500		79.7	81.	82.4	83.1	83.1	83.4	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000		81.5	83.2	84.4	85.2	85.2	85.5	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		82.4	84.1	85.5	86.7	86.7	87.0	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500		84.2	85.8	87.5	89.	89.0	89.4	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200		84.9	87.4	89.0	91.	91.0	91.3	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000		85.8	87.6	89.6	93.	93.0	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900		86.9	88.2	91.4	93.7	93.7	94.6	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		86.9	88.2	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
≥ 700		87.1	88.4	91.5	94.3	94.5	95.6	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600		87.2	88.5	91.6	94.6	94.6	95.7	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500		87.2	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
≥ 400		87.2	88.5	91.7	94.8	94.9	96.0	97.8	98.2	98.9	99.0	99.0	99.1	99.0	99.0	99.0
≥ 300		87.2	88.5	91.7	94.8	94.9	96.0	97.8	98.2	98.9	99.0	99.0	99.0	99.2	99.2	99.2
≥ 200		87.2	88.5	91.7	94.8	94.9	96.0	98.0	98.3	99.0	99.1	99.1	99.1	99.5	99.6	99.7
≥ 100		87.2	88.5	91.7	94.8	94.9	96.0	98.0	98.3	99.0	99.1	99.1	99.1	99.6	99.7	99.8
= 0		87.2	88.5	91.7	94.8	94.9	96.0	98.0	98.3	99.0	99.1	99.1	99.1	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 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) T. PREJ[illegible] AP SPAIN/ AUTO (STATION NAME) 9-7 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING		42.8	43.5	45.2	45.6	46.8	46.0	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		49.6	50.3	52.2	52.3	52.9	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000		50.9	51.7	53.4	54.1	54.1	54.3	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000		50.9	51.7	53.4	54.1	54.1	54.3	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000		51.2	52.2	53.9	54.5	54.5	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		51.5	52.5	54.1	54.8	54.8	55.1	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000		52.6	53.5	55.2	55.9	55.9	56.1	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000		53.7	54.6	56.2	57.0	57.0	57.3	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000		57.2	58.2	59.9	60.6	60.8	61.1	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000		61.2	62.4	64.1	65.1	65.1	65.4	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000		62.4	63.5	65.3	66.2	66.2	66.6	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000		63.4	64.6	66.5	67.4	67.4	67.7	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500		65.2	66.7	68.6	69.7	69.7	70.0	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000		66.6	68.1	70.2	71.2	71.2	71.5	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500		69.9	71.4	73.4	74.5	74.5	74.8	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000		74.2	75.5	77.4	78.7	78.7	79.1	79.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500		79.1	77.7	79.7	81.3	81.3	81.7	81.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2000		79.4	81.1	83.2	85.2	85.5	86.0	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1800		80.1	81.8	84.2	86.3	86.3	86.9	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500		81.7	83.4	86.1	88.3	88.3	88.9	89.2	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9
≥ 1200		88.0	85.1	88.3	90.5	90.5	91.3	91.7	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 1000		88.5	85.5	89.2	91.0	91.0	92.9	93.3	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 900		88.5	85.7	89.4	92.2	92.5	93.7	94.1	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 800		88.8	86.0	90.2	93.0	93.0	94.2	94.9	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 700		94.3	86.5	90.4	93.4	93.4	94.7	95.5	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 600		94.4	86.6	90.9	93.9	93.9	95.4	96.1	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 500		94.4	86.6	91.4	94.1	94.1	95.6	96.5	97.3	97.5	97.6	97.6	97.7	97.7	97.7	97.7
≥ 400		94.4	86.6	91.4	94.2	94.2	95.7	96.7	97.5	97.7	98.1	98.1	98.2	98.2	98.2	98.2
≥ 300		94.4	86.6	91.4	94.2	94.2	95.7	96.7	97.5	97.7	98.2	98.2	98.3	98.3	98.3	98.3
≥ 200		94.4	86.6	91.4	94.2	94.2	95.7	96.7	97.5	97.7	98.3	98.6	98.7	98.9	98.9	98.9
≥ 100		94.4	86.6	91.4	94.2	94.2	95.7	96.7	97.5	97.7	98.3	98.6	98.8	99.0	99.0	99.1
≥ 0		94.4	86.6	91.4	94.2	94.2	95.7	96.7	97.5	97.7	98.3	98.6	98.8	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING CODE
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON AB SPAIN/ STATION NAME — 69-73 YEARS — JA MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	=0
NO CEILING		46.0	47.3	48.7	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		51.3	51.6	53.4	54.3	54.6	54.9	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000		51.9	52.2	54.1	55.0	55.3	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 16000		51.9	52.2	54.1	55.0	55.3	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 14000		52.0	52.3	54.2	55.1	55.4	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000		52.5	53.1	54.9	55.8	56.1	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000		53.2	53.8	55.4	56.3	56.6	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000		53.5	54.1	55.7	56.6	56.9	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000		57.4	58.1	59.7	60.6	60.9	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000		61.9	62.5	64.1	65.0	65.5	65.9	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000		62.7	63.3	65.2	66.2	66.3	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000		64.1	64.8	66.8	67.7	67.7	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500		65.8	66.5	68.5	69.4	69.2	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000		66.9	67.6	69.4	70.3	70.6	71.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500		68.4	69.4	71.4	72.3	72.8	73.2	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000		71.9	72.7	74.7	75.6	76.3	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		75.5	76.4	78.4	79.3	80.2	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000		77.4	78.5	80.6	81.5	84.1	84.0	84.6	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800		77.9	79.1	81.2	82.1	84.2	84.2	84.9	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500		80.3	81.4	83.6	84.5	86.2	86.2	87.1	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200		87.2	88.2	90.6	91.5	88.7	89.7	89.8	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000		89.0	90.1	92.7	93.6	89.7	89.7	89.9	91.4	91.7	92.0	92.2	92.2	92.2	92.2	92.2
≥ 900		90.1	91.2	93.8	94.7	90.8	90.8	92.0	92.6	92.9	93.2	93.3	93.3	93.3	93.3	93.3
≥ 800		90.2	91.3	93.8	94.7	91.0	91.0	92.3	92.9	93.2	93.7	93.8	93.8	93.8	93.8	93.8
≥ 700		90.5	91.7	93.8	94.7	91.7	91.7	93.1	93.9	94.2	94.7	94.8	94.8	94.8	94.8	94.8
≥ 600		90.7	91.9	94.0	94.9	92.2	92.3	93.8	94.5	94.8	95.4	95.5	95.5	95.5	95.5	95.5
≥ 500		91.3	92.4	94.5	95.4	92.7	92.7	94.3	95.2	95.5	96.2	96.3	96.3	96.3	96.3	96.3
≥ 400		91.4	92.6	94.7	95.6	92.7	92.7	94.5	95.6	95.9	96.7	96.8	96.8	96.8	96.8	96.8
≥ 300		91.4	92.6	94.8	95.7	92.9	92.9	94.9	96.0	96.5	97.3	97.4	97.4	97.4	97.5	97.7
≥ 200		91.7	92.9	95.1	96.0	92.9	92.9	95.1	96.3	96.8	97.7	97.8	97.8	98.1	98.3	98.5
≥ 100		91.7	92.9	95.1	96.0	92.9	92.9	95.1	96.3	96.8	97.7	97.8	97.8	98.2	98.5	99.1
= 0		85.1	86.3	89.7	90.6	93.0	93.0	95.2	96.5	96.9	97.8	98.0	98.0	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

CEILING VERSUS VISIBILITY

14011 STATION | T RAFN, ICELAND STATION NAME | 1949-73 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥ 5/16	≥¼	≥0
NO CEILING		45.2	45.8	46.4	47.2	47.3	47.6	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0
≥ 20000		51.7	51.1	52.1	52.9	53.0	53.4	53.5	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.8
≥ 18000		51.3	51.7	52.6	53.7	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5
≥ 16000		51.3	51.9	52.7	53.7	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 14000		51.3	51.9	52.7	53.9	53.9	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000		52.0	52.4	53.4	54.4	54.4	54.7	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2
≥ 10000		52.9	53.3	54.3	55.4	55.4	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2
≥ 9000		53.7	54.2	55.2	56.3	56.3	56.6	56.8	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1
≥ 8000		57.1	57.5	58.5	59.6	59.8	60.2	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.7
≥ 7000		60.2	60.7	62.1	63.2	63.2	63.6	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 6000		60.7	61.4	62.5	63.7	63.9	64.4	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9
≥ 5000		61.4	62.0	63.3	64.7	64.7	65.1	65.3	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6
≥ 4500		63.3	63.8	64.9	66.3	66.3	66.8	66.9	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3
≥ 4000		64.1	64.9	66.2	67.6	67.6	68.1	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6
≥ 3500		65.9	66.6	68.1	69.5	69.5	70.0	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5
≥ 3000		69.3	70.1	71.6	73.2	73.2	73.8	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.5
≥ 2500		72.1	72.9	74.3	76.4	76.4	76.9	77.2	77.4	77.6	77.6	77.6	77.7	77.8	77.8	77.8
≥ 2000		74.6	75.5	77.4	79.5	79.5	80.2	80.5	80.7	80.9	80.9	81.0	81.0	81.1	81.1	81.1
≥ 1800		75.2	76.2	78.1	80.1	80.1	80.9	81.2	81.4	81.6	81.6	81.7	81.8	81.8	81.8	81.8
≥ 1500		77.4	78.5	80.7	82.9	83.0	83.6	84.2	84.5	84.7	84.7	84.8	84.9	84.9	84.9	84.9
≥ 1200		79.1	80.3	82.7	85.0	85.3	86.2	86.6	87.0	87.2	87.3	87.3	87.4	87.5	87.5	87.5
≥ 1000		80.1	81.5	84.1	87.1	87.0	88.1	88.8	89.2	89.5	89.5	89.6	89.7	89.8	89.8	89.8
≥ 900		80.7	82.1	84.9	88.1	87.9	89.1	89.8	90.3	90.6	90.6	90.7	90.8	90.9	90.9	90.9
≥ 800		81.1	82.6	85.5	88.9	88.9	90.1	90.9	91.4	91.8	91.8	91.9	92.0	92.1	92.1	92.1
≥ 700		81.6	83.2	86.4	90.1	90.0	91.4	92.3	92.8	93.2	93.3	93.4	93.5	93.6	93.6	93.6
≥ 600		81.8	83.4	86.8	90.3	90.6	92.1	93.1	93.7	94.2	94.3	94.4	94.4	94.5	94.6	94.6
≥ 500		81.9	83.6	87.2	91.4	91.3	92.9	94.2	94.9	95.5	95.7	95.7	95.8	95.9	96.0	96.0
≥ 400		82.0	83.8	87.3	91.5	91.5	93.3	94.8	95.5	96.3	96.5	96.5	96.7	96.7	96.8	96.9
≥ 300		82.0	83.8	87.3	91.6	91.6	93.5	95.1	95.9	96.7	97.0	97.1	97.2	97.3	97.4	97.5
≥ 200		82.0	83.8	87.4	91.6	91.6	93.5	95.2	96.0	97.0	97.3	97.5	97.6	98.2	98.4	98.6
≥ 100		82.0	83.8	87.4	91.6	91.6	93.6	95.2	96.0	97.0	97.4	97.6	97.9	98.4	98.7	99.4
= 0		82.0	83.8	87.4	91.6	91.7	93.6	95.3	96.1	97.0	97.4	97.6	97.9	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

14011 STATION — TARIFA, SPAIN/ALRID STATION NAME — 9-7 YEARS — FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		97.9	99.1	59.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8
≥ 20000		66.1	66.2	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0
≥ 18000		66.1	66.2	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0
≥ 16000		66.1	66.2	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0
≥ 14000		66.2	66.4	67.1	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.1	68.1
≥ 12000		66.3	66.5	67.2	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.3
≥ 10000		67.9	67.7	68.4	69.1	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.5
≥ 9000		68.4	68.7	69.4	70.1	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.4
≥ 8000		74.2	74.3	75.1	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.4	76.4	76.4
≥ 7000		79.7	79.8	79.9	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.9	80.9	80.9
≥ 6000		80.7	80.8	81.1	81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2
≥ 5000		80.4	80.6	81.4	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.5
≥ 4500		81.9	82.1	82.4	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.5
≥ 4000		82.9	83.1	83.4	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	85.0	85.0	85.0
≥ 3500		84.8	84.9	85.7	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.8	86.8	86.8
≥ 3000		86.4	86.6	87.5	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5
≥ 2500		88.8	89.0	89.8	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.7	90.7	90.7
≥ 2000		90.0	90.2	91.1	91.7	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
≥ 1800		90.3	90.5	91.4	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.6	92.6	92.6
≥ 1500		92.1	92.3	93.2	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3
≥ 1200		93.9	93.5	94.4	95.2	95.3	95.4	95.7	95.7	95.7	95.7	95.7	96.0	96.0	96.0
≥ 1000		94.7	94.8	95.5	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3
≥ 900		94.7	94.8	95.5	97.1	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.9	97.9	97.9
≥ 800		94.7	94.8	95.5	97.1	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.9	97.9	97.9
≥ 700		94.9	95.0	96.1	97.2	97.2	97.5	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1
≥ 600		94.9	95.0	96.1	97.2	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.5	98.5	98.5
≥ 500		95.2	95.4	96.4	97.1	97.1	97.5	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3
≥ 400		95.2	95.4	96.3	97.1	97.1	97.5	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3
≥ 300		95.2	95.4	96.3	98.1	98.2	98.6	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5
≥ 200		95.2	95.4	96.4	98.1	98.2	98.6	99.3	99.3	99.5	99.5	99.5	99.8	100.0	100.0
≥ 100		95.2	95.4	96.4	98.1	98.2	98.6	99.3	99.3	99.5	99.5	99.5	99.8	100.0	100.0
0		95.2	95.4	96.4	98.1	98.2	98.6	99.3	99.3	99.5	99.5	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING [illegible]
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) — T[illegible] AIRPORT (STATION NAME) — 9-7 (YEARS) — FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING		57.7	54.0	54.7	54.5	54.5	54.6	54.6	54.8	54.8	54.8	54.9	54.8	54.8	54.8	54.8
≥ 20000		59.6	55.9	56.9	56.4	56.4	56.8	56.8	56.8	56.8	56.8	56.9	56.8	56.8	56.8	56.8
≥ 18000		59.7	56.0	57.0	56.5	56.5	56.9	56.9	56.9	56.9	56.9	57.0	56.9	56.9	56.9	56.9
≥ 16000		59.7	56.0	57.0	56.5	56.5	56.9	56.9	56.9	56.9	56.9	57.0	56.9	56.9	56.9	56.9
≥ 14000		59.7	56.0	57.0	56.5	56.5	56.9	56.9	56.9	56.9	56.9	57.0	56.9	56.9	56.9	56.9
≥ 12000		60.2	56.4	57.4	56.9	56.9	57.3	57.3	57.3	57.3	57.3	57.4	57.3	57.3	57.3	57.3
≥ 10000		61.9	58.0	59.2	58.7	58.7	59.2	59.2	59.2	59.2	59.2	59.3	59.2	59.2	59.2	59.2
≥ 9000		62.1	58.2	59.4	58.9	58.9	59.4	59.4	59.4	59.4	59.4	59.5	59.4	59.4	59.4	59.4
≥ 8000		67.4	63.4	64.8	64.3	64.3	64.8	64.8	64.8	64.8	64.8	64.9	64.8	64.8	64.8	64.8
≥ 7000		72.1	67.8	69.2	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.3	69.2	69.2	69.2	69.2
≥ 6000		72.1	67.8	69.2	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.3	69.2	69.2	69.2	69.2
≥ 5000		72.9	68.6	70.0	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.1	70.0	70.0	70.0	70.0
≥ 4500		74.5	70.2	71.6	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.7	71.6	71.6	71.6	71.6
≥ 4000		74.5	70.2	71.6	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.7	71.6	71.6	71.6	71.6
≥ 3500		75.4	71.1	72.5	72.0	72.0	72.5	72.5	72.5	72.5	72.5	72.6	72.5	72.5	72.5	72.5
≥ 3000		77.1	72.8	74.2	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.3	74.2	74.2	74.2	74.2
≥ 2500		77.2	73.0	74.3	73.8	73.8	74.3	74.3	74.3	74.3	74.3	74.4	74.3	74.3	74.3	74.3
≥ 2000		81.4	76.5	78.0	77.5	77.5	78.0	78.0	78.0	78.0	78.0	78.1	78.0	78.0	78.0	78.0
≥ 1800		86.1	81.4	82.9	82.4	82.4	82.9	82.9	82.9	82.9	82.9	83.0	82.9	82.9	82.9	82.9
≥ 1500		86.7	81.9	83.4	82.9	82.9	83.4	83.4	83.4	83.4	83.4	83.5	83.4	83.4	83.4	83.4
≥ 1200		89.9	85.3	86.8	86.3	86.3	86.8	86.8	86.8	86.8	86.8	86.9	86.8	86.8	86.8	86.8
≥ 1000		91.4	86.8	88.3	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.4	88.3	88.3	88.3	88.3
≥ 900		91.7	87.1	88.6	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.7	88.6	88.6	88.6	88.6
≥ 800		92.3	87.7	89.2	88.7	88.7	89.2	89.2	89.2	89.2	89.2	89.3	89.2	89.2	89.2	89.2
≥ 700		93.0	88.4	89.9	89.4	89.4	89.9	89.9	89.9	89.9	89.9	90.0	89.9	89.9	89.9	89.9
≥ 600		93.0	88.4	89.9	89.4	89.4	89.9	89.9	89.9	89.9	89.9	90.0	89.9	89.9	89.9	89.9
≥ 500		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	90.0
≥ 400		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	90.0
≥ 300		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	90.0
≥ 200		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	90.0
≥ 100		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	90.0
≥ 0		93.0	88.5	90.0	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.1	90.0	90.0	90.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION | TORREJON AB SPAIN/ABAD STATION NAME | 0-7 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOUR LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≤1/2	≥6	≥5	≥4	≥3	≥2	≥1	≥1 1/4	≥1 1/2	≥1 3/4	≥2	≥2 1/2	≥3	≥4	≥5	≥6
NO CEILING		51.6	51.2	51.1	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000		57.3	56.9	57.1	57.1	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000		57.6	57.2	57.3	57.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000		57.6	57.2	57.3	57.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000		57.7	57.3	57.4	57.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000		57.4	56.9	57.1	57.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000		59.4	59.1	59.2	59.2	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000		59.9	59.6	59.7	59.7	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 8000		60.4	60.1	60.2	60.2	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.7
≥ 7000		63.4	63.1	63.2	63.2	64.1	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.7
≥ 6000		65.1	64.8	64.9	64.9	65.8	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.4
≥ 5000		67.1	66.8	66.9	66.9	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.4
≥ 4500		68.6	68.3	68.4	68.4	69.3	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9
≥ 4000		69.4	69.1	69.2	69.2	70.1	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.7
≥ 3500		71.9	71.6	71.7	71.7	72.6	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.2
≥ 3000		73.7	73.4	73.5	73.5	74.4	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0
≥ 2500		75.2	74.9	75.0	75.0	75.9	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.5
≥ 2000		76.8	76.5	76.6	76.6	77.5	77.6	77.7	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.1
≥ 1800		77.9	77.6	77.7	77.7	78.6	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.2
≥ 1500		79.4	79.1	79.2	79.2	80.1	80.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.7
≥ 1200		81.4	81.1	81.2	81.2	82.1	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.7
≥ 1000		84.3	84.0	84.1	84.1	85.0	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.6
≥ 900		85.9	85.6	85.7	85.7	86.6	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.2
≥ 800		86.1	87.8	87.9	87.9	88.8	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.4
≥ 700		87.2	87.9	88.0	88.0	88.9	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.5
≥ 600		87.3	88.0	88.1	88.1	89.0	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.6
≥ 500		87.4	88.1	88.2	88.2	89.1	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.7
≥ 400		87.4	88.1	88.2	88.2	89.1	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.7
≥ 300		87.5	88.2	88.3	88.3	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.8
≥ 200		87.5	88.2	88.3	88.3	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.8
≥ 100		87.5	88.2	88.3	88.3	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.8
0		87.5	88.2	88.3	88.3	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.8

TOTAL NUMBER OF OBSERVATIONS 446

DATA PR CESSI G A C
USAF ETAC
AIR WEATHER SERVICE/ AC

1

CEILING VERSUS VISIBILITY

14011 STATION — T RREJ A SPAIN/ AIRFIELD — STATION NAME — 9-7 — YEARS — FEB — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 — HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4										≥1¼	≥1	
NO CEILING		46.6	47.5	48.2	48.2	48.7	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000		54.4	55.3	56.0	56.5	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000		55.1	56.0	57.2	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000		55.1	56.0	57.2	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000		55.1	56.0	57.2	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000		56.1	57.0	58.2	58.3	58.7	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000		57.0	57.9	59.2	59.3	59.9	60.4	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000		57.7	58.6	59.9	60.0	60.8	61.2	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000		61.0	61.9	63.4	64.4	64.4	64.9	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000		64.7	65.6	67.2	67.4	67.4	68.0	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000		64.9	65.8	67.4	67.6	67.6	68.2	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000		66.3	67.2	68.8	69.1	69.1	69.7	69.9	69.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500		66.8	67.7	69.3	69.6	69.6	70.1	70.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000		67.3	68.2	69.8	70.1	70.1	70.7	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500		69.1	70.0	71.6	72.0	72.0	72.6	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	71.1	72.0	73.6	75.2	75.1	75.7	76.0	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	74.4	75.3	77.2	79.2	79.2	79.8	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2000	77.2	78.4	80.1	82.0	82.6	83.3	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	78.0	79.1	81.0	83.0	83.5	84.2	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	81.4	82.4	84.3	86.4	86.3	87.0	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	82.2	83.5	85.5	88.0	88.0	88.5	89.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	83.6	85.1	87.2	91.0	91.4	92.2	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	84.0	85.6	87.8	92.0	92.8	94.0	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	84.4	85.9	88.1	93.6	93.6	94.8	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700	84.8	86.3	89.4	94.2	94.2	95.4	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	84.8	86.3	89.5	94.9	94.9	96.5	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	84.8	86.3	89.6	95.7	95.7	97.3	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	84.8	86.3	89.6	95.7	95.7	97.4	97.8	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5
≥ 300	84.8	86.3	89.6	95.7	95.7	97.4	97.8	97.8	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7
≥ 200	84.8	86.3	89.6	95.7	95.7	97.4	97.8	97.9	98.6	98.6	98.7	99.2	99.4	99.4	99.4	99.5
≥ 100	84.8	86.3	89.6	95.7	95.7	97.4	97.8	97.9	98.6	98.6	98.7	99.2	99.4	99.4	99.5	99.5
0	84.8	86.3	89.6	95.7	95.7	97.4	97.8	97.9	98.6	98.6	98.7	99.2	99.4	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC 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 AP SPAIN/MADRID STATION NAME — 59-76 YEARS — FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS IST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING		46.0	46.3	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000		57.1	57.4	58.1	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000		57.3	57.7	58.3	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000		57.3	57.7	58.3	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000		57.4	57.9	58.5	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000		58.6	59.1	59.5	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000		60.9	61.2	61.5	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 9000		61.5	61.8	62.4	63.1	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000		65.0	65.4	65.2	66.0	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000		67.1	67.6	68.4	69.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000		67.1	67.6	68.4	69.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000		67.1	67.6	68.4	69.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500		67.8	68.3	69.1	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000		71.0	71.5	72.3	72.9	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500		73.0	73.5	74.3	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000		79.7	80.1	81.1	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500		84.3	84.6	86.4	87.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000		87.7	88.3	90.1	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800		88.3	88.9	90.9	91.6	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500		90.4	91.0	93.2	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200		91.6	92.3	94.8	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000		92.3	93.2	95.9	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900		92.4	93.4	96.0	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		92.7	93.7	96.3	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		92.7	93.7	96.3	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		92.7	93.7	96.5	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		92.7	93.7	96.5	98.0	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		92.7	93.7	96.5	98.1	98.0	98.8	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300		92.7	93.7	96.5	98.0	98.0	98.8	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		92.7	93.7	96.5	98.1	98.0	98.8	99.3	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100		92.7	93.7	96.5	98.1	98.0	98.8	99.3	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0
0		92.7	93.7	96.5	98.1	98.0	98.8	99.3	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 59-78 YEARS — FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS IN ST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		49.3	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000		60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000		61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000		61.8	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000		62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000		65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000		66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000		69.4	69.4	69.5	69.7	69.7	69.7	9.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000		73.2	73.2	73.3	73.5	73.5	73.[illegible]	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000		73.6	73.6	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000		74.2	74.2	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500		75.4	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000		78.4	78.4	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500		81.8	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000		87.1	87.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		89.8	89.8	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000		91.8	91.8	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		92.1	92.1	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500		95.5	95.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		96.1	96.3	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000		96.7	97.0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		96.7	97.0	98.2	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		96.7	97.0	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700		96.7	97.0	98.3	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		96.8	97.2	98.5	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		96.8	97.2	98.5	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		96.8	97.2	98.6	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		96.8	97.2	98.6	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		96.8	97.2	98.6	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.8	97.2	98.6	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		96.8	97.2	98.6	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 86

USAF ETAC FORM 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 | TORREJON AB SPAIN/MADRID STATION NAME | 69-78 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		55.5	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000		65.4	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000		65.5	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000		65.5	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000		65.5	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000		66.2	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		68.1	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000		70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000		73.6	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		79.3	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000		80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000		81.6	81.9	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
≥ 4500		82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000		84.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500		86.4	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		91.0	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500		92.6	92.9	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000		93.5	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800		93.9	94.2	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
≥ 1500		94.9	95.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200		96.0	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000		96.8	97.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		96.9	97.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800		96.9	97.3	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700		96.9	97.3	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		96.9	97.3	98.9	99.2	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON AP SPAIN/MADRID STATION NAME — 69-76 YEARS — FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS N ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	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	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	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	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	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	68.9	68.9	68.9	68.9	68.9
≥ 10000		70.1	70.1	70.4	70.5	70.6	70.6	70.6	70.6	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	73.5	73.5	73.5	73.5	73.5
≥ 8000		77.4	77.4	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000		81.8	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		82.7	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4500		84.5	84.5	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000		86.3	86.3	86.6	86.8	86.8	86.8	86.8	86.8	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	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	90.2	90.2	90.2	90.2	90.2
≥ 2500		91.5	91.5	92.4	92.5	92.6	92.6	92.6	92.6	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	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	95.2	95.2	95.2	95.2	95.2
≥ 1500		95.7	95.7	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		96.7	96.7	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000		97.6	97.6	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		97.6	97.6	98.6	98.8	98.8	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800		97.6	97.6	98.6	98.8	98.8	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700		97.6	97.6	98.7	98.9	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		97.8	97.8	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		97.8	97.8	98.9	99.1	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		97.9	97.8	98.8	99.1	99.2	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		97.8	97.8	98.8	99.1	99.2	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		97.9	97.8	98.8	99.1	99.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100		97.9	97.8	98.8	99.1	99.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
0		97.8	97.8	98.8	99.1	99.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 9-73 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING		52.6	53.3	53.4	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		60.8	61.1	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
≥ 18000		61.1	61.4	62.0	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 16000		61.1	61.4	62.0	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 14000		61.3	61.6	62.1	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000		61.7	62.2	62.7	63.1	63.1	63.2	63.3	63.3	63.3	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	65.1	65.1	65.1
≥ 9000		64.7	65.2	65.7	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥ 8000		68.9	69.3	69.9	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
≥ 7000		72.9	73.2	73.9	74.3	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥ 6000		73.5	73.8	74.5	74.9	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000		74.1	74.4	75.1	75.5	75.5	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500		75.1	75.4	76.1	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9
≥ 4000		78.9	77.2	78.	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
≥ 3500		79.8	79.2	79.9	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
≥ 3000		82.5	82.9	83.5	84.2	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500		85.1	85.5	86.6	87.1	87.2	87.3	87.4	87.4	87.5	87.5	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	89.6	89.7	89.7	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	90.3	90.3	90.4	90.4
≥ 1500		89.9	90.3	91.5	92.5	92.5	92.7	92.8	92.8	92.9	92.9	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	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000		92.2	92.8	94.5	95.7	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 900		92.4	93.1	94.8	96.2	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800		92.7	93.4	95.1	96.6	96.6	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 700		92.9	93.6	95.4	97.0	97.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600		93.0	93.8	95.5	97.3	97.4	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 500		93.0	93.7	95.7	97.6	97.7	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400		93.0	93.7	95.7	97.7	97.8	98.4	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 300		93.1	93.7	95.7	97.7	97.8	98.5	98.9	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200		93.1	93.7	95.7	97.7	97.8	98.5	99.0	99.0	99.3	99.3	99.4	99.5	99.6	99.7	99.8
≥ 100		93.1	93.7	95.7	97.7	97.8	98.5	99.0	99.0	99.3	99.3	99.4	99.5	99.6	99.7	99.9
0		93.1	93.7	95.7	97.7	97.8	98.5	99.0	99.0	99.3	99.3	99.4	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AD SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING		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
≥ 20000		68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000		68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 16000		68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 14000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000		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
≥ 10000		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 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	71.9
≥ 8000		77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000		82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000		83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 5000		86.1	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500		87.4	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000		88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500		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
≥ 3000		91.8	91.9	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
≥ 2500		94.5	94.6	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
≥ 2000		95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		95.9	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500		97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		97.7	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		97.8	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		97.8	98.3	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		97.8	98.3	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700		97.8	98.3	98.6	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		98.0	98.4	98.7	99.0	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		98.0	98.4	98.7	99.0	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		98.1	98.5	98.8	99.1	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.1	98.5	98.8	99.1	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.1	98.5	98.8	99.1	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.1	98.5	98.8	99.1	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.1	98.5	98.8	99.1	99.2	99.5	99.9	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 | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3
≥ 20000		66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
≥ 18000		66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
≥ 16000		66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
≥ 14000		66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.9
≥ 12000		66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 10000		68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5
≥ 9000		69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	70.0
≥ 8000		77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4
≥ 7000		80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 6000		81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7
≥ 5000		84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 4500		84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.3
≥ 4000		84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.4
≥ 3500		86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.5
≥ 3000		89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.8
≥ 2500		92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.5
≥ 2000		93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 1800		94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
≥ 1500		95.3	95.4	95.8	95.8	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
≥ 1200		96.8	96.7	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5
≥ 1000		96.8	97.0	97.5	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 900		96.9	97.1	97.5	97.7	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 800		96.9	97.1	97.5	98.1	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6
≥ 700		97.1	97.3	98.1	98.4	98.4	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 600		97.1	97.3	98.1	98.4	98.4	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 500		97.2	97.4	98.2	98.5	98.5	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.4
≥ 400		97.2	97.4	98.2	98.7	98.7	98.8	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 300		97.4	97.6	98.4	98.9	98.9	99.0	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200		97.5	97.7	98.5	99.0	99.0	99.1	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		97.5	97.7	98.5	99.0	99.0	99.1	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0		97.5	97.7	98.5	99.0	99.0	99.1	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	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 (STATION NAME) 68-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING		52.4	53.0	53.8	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000		60.9	61.4	62.3	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000		61.0	61.5	62.4	62.8	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000		61.0	61.5	62.4	62.8	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000		61.1	61.6	62.5	62.9	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000		61.1	61.6	62.5	62.9	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000		62.9	63.4	64.3	64.7	64.7	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000		64.0	64.5	65.4	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		70.0	70.6	71.8	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000		73.7	74.3	75.2	75.7	75.9	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000		74.4	75.1	76.2	76.8	76.8	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 5000		77.0	77.7	78.9	79.6	79.6	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		79.6	80.4	81.6	82.4	82.4	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000		79.6	80.4	81.7	82.5	82.5	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500		81.0	81.8	83.3	84.2	84.2	84.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3000		84.0	85.1	86.6	87.5	87.5	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500		85.8	87.0	88.5	89.5	89.5	89.6	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		86.9	88.3	90.1	91.2	91.2	91.4	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800		87.2	88.6	90.5	91.6	91.6	91.8	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500		89.5	90.9	91.8	93.0	93.0	93.3	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		90.8	91.2	93.2	94.4	94.4	94.7	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		90.1	91.7	93.8	95.1	95.1	95.4	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		90.5	92.2	94.3	95.6	95.6	95.9	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800		90.8	92.5	94.6	96.2	96.2	96.6	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700		90.9	92.6	94.9	96.7	96.7	97.0	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600		90.9	92.6	94.9	96.9	96.9	97.4	98.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		90.9	92.7	95.1	97.0	97.0	97.5	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		91.0	92.8	95.2	97.1	97.1	97.6	98.6	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300		91.0	92.8	95.2	97.1	97.1	97.6	98.6	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		91.0	92.8	95.2	97.1	97.1	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.7	99.7	99.8
≥ 100		91.0	92.8	95.2	97.1	97.1	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.7	99.7	99.8
0		91.0	92.8	95.2	97.1	97.1	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING		47.2	47.5	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7
≥ 20000		59.2	59.7	60.5	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4
≥ 18000		60.4	61.0	62.2	62.5	62.5	62.5	62.6	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8
≥ 16000		60.4	61.0	62.2	62.5	62.5	62.5	62.6	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8
≥ 14000		60.8	61.3	62.5	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1
≥ 12000		61.5	62.0	63.2	63.5	63.5	63.5	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9
≥ 10000		64.1	64.6	65.8	66.1	66.1	66.1	66.2	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5
≥ 9000		65.3	65.8	67.1	67.6	67.6	67.6	67.7	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.0
≥ 8000		69.4	70.1	71.7	72.0	72.0	72.0	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4
≥ 7000		74.3	75.1	76.8	77.3	77.3	77.4	77.5	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7
≥ 6000		74.7	75.5	77.2	77.7	77.7	77.8	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2
≥ 5000		76.9	77.7	79.5	80.0	80.0	80.1	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4
≥ 4500		77.7	78.6	80.3	81.0	81.0	81.1	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4
≥ 4000		79.0	79.9	81.7	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8
≥ 3500		81.4	82.4	84.2	84.8	84.8	84.9	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3
≥ 3000		84.0	85.1	86.9	87.6	87.6	87.7	87.8	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1
≥ 2500		85.7	87.0	89.1	89.9	89.9	90.0	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4
≥ 2000		86.9	88.2	90.4	91.3	91.3	91.4	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8
≥ 1800		87.1	88.4	90.7	91.6	91.6	91.7	91.9	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2
≥ 1500		89.2	89.6	92.4	93.2	93.2	93.3	93.5	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8
≥ 1200		89.5	91.0	94.2	95.2	95.2	95.3	95.6	95.6	96.0	96.0	96.1	96.1	96.1	96.1	96.1
≥ 1000		90.2	91.6	95.1	96.1	96.1	96.5	96.8	96.9	97.3	97.3	97.4	97.4	97.4	97.4	97.4
≥ 900		90.9	92.4	95.6	96.9	96.9	97.2	97.5	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2
≥ 800		90.9	92.5	95.7	97.1	97.1	97.5	97.8	98.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 700		90.9	92.5	95.8	97.2	97.2	97.6	98.0	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6
≥ 600		90.9	92.5	95.8	97.2	97.3	97.8	98.3	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0
≥ 500		90.9	92.5	95.8	97.3	97.4	98.0	98.5	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4
≥ 400		90.9	92.5	95.8	97.4	97.5	98.1	98.6	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6
≥ 300		90.9	92.5	95.8	97.4	97.5	98.1	98.7	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200		90.9	92.5	95.8	97.4	97.5	98.1	98.7	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9
≥ 100		90.9	92.5	95.8	97.4	97.5	98.1	98.7	98.8	99.5	99.7	99.8	99.9	99.9	100.0	100.0
0		90.9	92.5	95.8	97.4	97.5	98.1	98.7	98.8	99.5	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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	46.2	46.2	46.2	46.2
≥ 20000		59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 18000		61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000		63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000		66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000		67.8	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000		71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000		75.8	75.8	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000		76.5	76.5	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		78.4	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500		79.1	79.1	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000		81.8	81.8	82.0	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		86.5	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		91.3	91.3	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500		93.8	94.0	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		96.2	96.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800		96.2	96.5	97.5	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		96.7	96.9	98.1	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200		96.7	96.9	98.3	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		96.9	97.1	98.5	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		97.0	97.2	98.6	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		97.1	97.3	98.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0		97.1	97.3	98.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	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 STATION NAME — 8-77 YEARS — MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	66.7	66.7	66.7
≥ 8000		72.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000		77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000		78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000		79.8	79.8	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
≥ 4500		81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000		84.4	84.6	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
≥ 3500		88.4	88.4	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	88.9
≥ 3000		93.2	93.4	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		95.8	96.0	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		97.0	97.2	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		97.0	97.2	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500		97.4	97.7	98.4	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		97.5	98.0	98.7	98.9	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		97.5	98.0	98.7	99.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		97.5	98.0	98.7	99.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 800		97.5	98.0	98.7	99.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 700		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
0		97.5	98.0	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	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 STATION NAME | 68-77 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	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	53.5
≥ 20000		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	63.0
≥ 18000		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	64.3
≥ 16000		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	64.5
≥ 14000		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	64.8
≥ 12000		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	66.0
≥ 10000		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	68.6
≥ 9000		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	70.5
≥ 8000		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	74.2
≥ 7000		79.1	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 6000		80.1	80.1	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000		82.9	82.9	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500		84.7	84.7	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		86.8	86.8	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500		88.9	88.9	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		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	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	95.7
≥ 2000		95.3	95.3	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800		95.7	95.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		96.5	96.6	97.7	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		96.9	97.0	98.2	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		97.0	97.2	98.4	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		97.0	97.2	98.4	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		97.0	97.2	98.5	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		97.0	97.2	98.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		97.0	97.2	98.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		97.0	97.2	98.5	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		97.1	97.3	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.1	97.3	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.1	97.3	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.1	97.3	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		97.1	97.3	98.6	99.7	99.7	99.8	99.9	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 AC SPAIN/MADRID (STATION NAME) 3-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		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	62.3
≥ 20000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 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
≥ 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
≥ 14000		67.8	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
≥ 12000		68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000		70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000		72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000		78.4	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
≥ 7000		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
≥ 6000		84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000		87.0	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
≥ 4500		89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000		89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500		90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000		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	93.1
≥ 2500		95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000		96.4	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
≥ 1800		96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500		97.4	97.6	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
≥ 1200		98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000		98.3	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		98.3	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800		98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700		98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		98.5	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		98.5	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.5	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.5	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.5	99.1	99.4	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.5	99.1	99.4	99.7	99.7	99.9	99.9	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) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS, LST)

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING		53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3
≥ 20000		62.8	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 18000		63.7	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	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	64.4	64.4	64.4
≥ 14000		64.6	64.1	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
≥ 12000		64.7	64.8	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000		67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		68.8	68.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000		73.8	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		77.4	78.6	79.1	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5
≥ 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	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	82.6	82.7	82.7	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	84.3	84.3	84.3
≥ 4000		84.4	84.6	85.2	85.5	85.5	85.5	85.6	85.6	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	87.8	87.8	87.9
≥ 3000		89.9	90.2	90.9	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500		92.1	92.5	93.3	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000		93.5	93.9	94.8	95.3	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		93.7	94.2	95.1	95.6	95.6	95.7	95.8	95.8	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	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1200		95.3	95.9	97.1	97.6	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1000		95.6	96.2	97.4	98.0	98.0	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900		95.7	96.4	97.6	98.2	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 800		95.8	96.5	97.7	98.4	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		95.8	96.5	97.8	98.6	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		95.8	96.5	97.8	98.6	98.6	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		95.9	96.6	97.9	98.7	98.7	99.0	99.3	99.4	99.6	99.6	99.6	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	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		95.9	96.6	98.0	98.8	98.9	99.1	99.5	99.5	99.8	99.8	99.9	99.9	99.9	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	99.9	99.9	99.9
≥ 100		96.0	96.7	98.0	98.9	98.9	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0
0		96.0	96.7	98.0	98.9	98.9	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		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
≥ 20000		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
≥ 18000		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
≥ 16000		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
≥ 14000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		74.0	74.0	74.0	74.0	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	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	85.3	85.3	85.3	85.3
≥ 6000		86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000		88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500		90.6	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
≥ 4000		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
≥ 3500		93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000		97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500		97.9	97.9	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
≥ 2000		98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500		98.5	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
≥ 1200		99.0	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.0	99.1	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.0	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.0	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.0	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.0	99.1	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 819

DATA PROCESSING PLACE
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		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	62.3
≥ 20000		70.1	70.1	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000		70.1	70.1	70.5	70.6	70.6	70.8	70.8	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	70.6	70.6	70.8	70.8	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	70.6	70.6	70.8	70.8	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	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000		71.4	71.4	71.8	71.9	71.9	72.1	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	73.2	73.2	73.5	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	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000		82.0	82.3	82.6	82.5	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000		83.4	83.4	83.8	83.9	83.9	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 5000		85.7	85.7	86.1	86.2	86.2	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4500		87.0	87.0	87.4	87.5	87.5	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4000		88.7	88.7	89.1	89.2	89.2	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		91.4	91.4	92.0	92.4	92.4	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000		93.9	93.9	94.5	95.1	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		94.8	94.8	95.4	95.9	95.9	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000		95.7	95.8	96.5	97.0	97.0	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800		95.7	95.8	96.5	97.0	97.0	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		96.5	96.8	97.5	98.1	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		97.0	97.2	98.0	98.6	98.6	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		97.6	97.8	98.6	99.2	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
0		97.7	98.0	98.7	99.3	99.3	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING		54.9	55.6	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
≥ 20000		64.2	65.0	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
≥ 18000		65.0	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 16000		65.0	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 14000		65.3	66.1	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
≥ 12000		65.7	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9
≥ 10000		68.1	68.9	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 9000		69.7	70.5	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥ 8000		72.4	73.3	74.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 7000		75.9	76.8	77.5	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥ 6000		77.2	78.1	78.9	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 5000		78.5	79.4	80.2	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
≥ 4500		80.2	81.1	81.9	83.3	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.8
≥ 4000		81.6	82.5	83.3	84.8	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 3500		85.2	86.1	87.1	88.9	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
≥ 3000		88.5	89.4	90.7	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
≥ 2500		89.3	90.3	91.8	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
≥ 2000		90.2	91.2	92.9	95.6	95.6	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2
≥ 1800		90.2	91.2	92.9	95.6	95.6	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2
≥ 1500		90.7	91.8	93.4	96.2	96.2	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
≥ 1200		91.1	92.3	94.3	97.4	97.4	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2
≥ 1000		91.5	92.9	94.9	98.0	98.0	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8
≥ 900		91.7	93.0	95.0	98.1	98.1	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0
≥ 800		91.7	93.0	95.1	98.3	98.3	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3
≥ 700		91.7	93.0	95.1	98.4	98.4	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
≥ 600		91.7	93.0	95.2	98.6	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500		91.8	93.3	95.5	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400		91.8	93.3	95.6	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300		91.8	93.3	95.6	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200		91.8	93.3	95.6	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		91.8	93.3	95.6	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
0		91.8	93.3	95.6	98.8	99.0	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥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	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	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	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	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	65.3	65.3
≥ 12000		66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	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	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	70.2	70.2
≥ 8000		73.3	73.6	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		74.2	76.4	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000		77.3	77.6	78.0	78.4	78.4	78.6	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	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	81.0	81.0
≥ 4000		82.9	83.1	83.6	84.0	84.0	84.1	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	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		90.1	90.4	91.6	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		91.6	92.0	93.3	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		93.1	93.7	95.1	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800		93.6	94.1	95.4	96.0	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		94.7	95.3	96.7	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		95.2	95.9	97.3	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000		95.8	96.4	98.1	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		95.8	96.4	98.1	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		95.8	96.4	98.1	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		95.9	96.4	98.1	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		95.9	96.4	98.1	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		95.9	96.4	98.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		95.9	96.4	98.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.9	96.4	98.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.9	96.4	98.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.9	96.4	98.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.9	96.4	98.2	99.7	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 900

USAF ETAC FORM 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 | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0 16	≥⅛	≥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	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	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000		64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 9000		65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000		74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 5000		76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4500		79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000		82.6	82.6	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
≥ 3500		85.3	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000		94.2	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		95.3	95.4	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000		96.5	97.0	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800		97.2	97.4	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500		97.8	98.2	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.9	98.3	99.1	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		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.9	98.3	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS L.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.4	48.4	48.4	48.4	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	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	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	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	64.6	64.6	64.6	64.6
≥ 12000		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
≥ 10000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 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
≥ 7000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 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	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	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	86.9	86.9	86.9	86.9
≥ 3500		90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000		95.0	95.0	95.3	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		96.7	96.7	97.1	97.6	97.6	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	98.0	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		97.7	97.8	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		98.2	98.4	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		98.2	98.4	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		98.2	98.6	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		98.2	98.6	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.2	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION | TOPREJO AB SPAIN/MADRID STATION NAME | 68-77 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ ½	≥ ¼	≥5/16	≥ 0	
NO CEILING		50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000		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	66.4
≥ 18000		66.9	66.9	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		66.9	66.9	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
≥ 14000		67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 12000		68.2	68.2	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
≥ 10000		69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000		71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000		77.2	77.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000		80.4	80.4	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 6000		81.8	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000		83.6	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		85.6	85.6	86.0	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		87.7	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500		90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000		96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500		97.6	97.6	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
≥ 2000		98.2	98.2	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800		98.3	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		98.6	98.6	99.2	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		98.6	98.6	99.2	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		98.6	98.6	99.2	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	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		98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	98.7	99.3	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		98.7	98.7	99.3	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

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USAF ETAC
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CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		63.4	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
≥ 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	71.3	71.3	71.3
≥ 18000		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
≥ 16000		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
≥ 14000		71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000		72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000		73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000		75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000		82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000		86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000		87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000		88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4500		90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000		91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		92.6	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
≥ 3000		97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500		97.9	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
≥ 2000		98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800		98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500		99.0	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		99.1	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		99.1	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.1	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.1	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		99.1	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.2	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.2	99.6	99.7	99.7	99.7	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

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USAF ETAC
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CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING		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	55.9
≥ 20000		66.2	66.4	66.5	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		66.8	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		66.8	66.9	67.1	67.2	67.2	67.2	67.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000		67.1	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		67.7	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		69.1	69.3	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000		70.9	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		75.9	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		79.5	79.7	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000		80.4	80.6	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000		82.6	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		84.4	84.5	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000		86.4	86.6	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
≥ 3500		89.3	89.5	89.9	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000		94.0	94.2	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500		95.1	95.3	96.0	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		96.0	96.3	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1800		96.2	96.5	97.3	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500		96.7	97.1	97.9	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 1200		97.0	97.4	98.2	99.1	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		97.2	97.6	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		97.2	97.7	98.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 800		97.2	97.7	98.6	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		97.2	97.7	98.6	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 600		97.2	97.7	98.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0		97.3	97.7	98.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7050

DATA PROCESSING PROGRAM
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)

0000-0200 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
NO CEILING		69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 18000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000		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
≥ 12000		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000		78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	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	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	84.1	84.1	84.1	84.1	84.1
≥ 7000		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000		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
≥ 5000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000		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
≥ 2500		98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000		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
≥ 1800		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
≥ 1500		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION | TERREJON AP SPAIN/MADRID STATION NAME | 68-77 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING		66.1	66.5	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000		72.8	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000		72.8	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000		72.8	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000		72.8	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000		73.1	73.5	73.8	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000		74.9	74.9	75.2	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000		75.1	75.6	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
≥ 8000		80.3	80.7	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		83.0	83.4	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000		83.6	84.1	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000		84.5	84.9	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		86.4	86.9	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000		87.7	88.2	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500		90.5	91.0	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000		93.6	94.1	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500		95.5	95.9	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000		96.7	97.2	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800		96.7	97.2	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500		97.2	97.7	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		97.4	98.0	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		97.8	98.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING		57.1	57.6	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
≥ 20000		65.2	65.9	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
≥ 18000		65.5	66.2	66.8	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000		65.5	66.2	66.8	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000		65.8	66.2	66.8	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000		65.8	66.6	67.1	67.4	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000		68.2	68.9	69.5	69.8	69.8	7..0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70 1
≥ 9000		70.2	71.0	71.5	71.8	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000		74.9	75.8	76.7	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000		78.3	79.1	80.0	80.3	80.3	8..5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000		78.8	79.7	80.5	80.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000		79.1	80.0	81.5	81.8	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500		80.9	81.7	82.6	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		82.8	83.7	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
≥ 3500		85.8	86.7	87.5	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000		89.1	90.1	91.3	91.8	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		90.5	91.5	92.7	93.3	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000		92.6	93.5	94.9	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800		92.7	93.7	95.1	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500		93.3	94.3	95.7	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		94.2	95.3	96.7	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		94.6	95.6	97.2	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		94.8	96.0	97.4	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		95.2	96.3	97.8	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		95.4	96.6	98.1	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600		95.4	96.6	98.1	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.7
≥ 200		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.8
≥ 100		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.9
0		95.4	96.6	98.1	98.8	98.8	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

14011 (STATION) TURREJON AP SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	2½	2¼	2	1¾	1½	1¼	≥5/16	≥¼	0
NO CEILING		51.2	51.5	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	62.9	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	63.1	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	63.1	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		63.0	63.2	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	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000		65.6	65.8	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		67.5	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
≥ 8000		72.9	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 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
≥ 6000		76.9	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
≥ 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
≥ 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
≥ 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
≥ 3500		85.5	85.9	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		91.9	91.9	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		93.6	94.1	94.8	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		96.7	97.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		96.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		97.2	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		97.3	97.7	98.8	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		97.5	98.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		97.7	98.2	99.2	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		97.7	98.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		97.7	98.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		97.7	98.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		97.7	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥ ¼	≥5/16	≥¼	≥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	48.0	48.0	48.0	48.0
≥ 20000		60.0	60.3	60.7	60.7	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	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	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	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	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	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	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	69.9	69.9	69.9	69.9
≥ 7000		72.2	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
≥ 6000		73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000		75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500		78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000		81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500		87.9	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000		94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500		97.3	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000		98.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800		98.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		99.0	99.0	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
≥ 1200		99.2	99.2	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
≥ 1000		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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 (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ ½	≥ ¼	≥5/16	≥⅛	≥0
NO CEILING ≥ 20000		48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5	48.5 64.5
≥ 18000 ≥ 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	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 ≥ 12000		66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5	66.6 66.5
≥ 10000 ≥ 9000		68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8	68.4 70.8
≥ 8000 ≥ 7000		75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8	75.2 77.8
≥ 6000 ≥ 5000		78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2	78.8 81.2
≥ 4500 ≥ 4000		82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3	82.9 85.3
≥ 3500 ≥ 3000		90.9 97.2	90.9 97.2	90.9 97.4	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7	90.9 97.7
≥ 2500 ≥ 2000		98.2 98.7	98.3 99.0	98.5 99.2	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6
≥ 1800 ≥ 1500		98.7 98.9	99.0 99.2	99.2 99.5	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8
≥ 1200 ≥ 1000		99.1 99.1	99.5 99.5	99.7	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 ≥ 800		99.1 99.1	99.5 99.5	99.7	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 ≥ 600		99.1 99.1	99.5 99.5	99.7	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 ≥ 400		99.1 99.1	99.5 99.5	99.7	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 ≥ 200		99.1 99.1	99.5 99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0		99.1 99.1	99.5 99.5	99.7	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 (STATION NAME) 68-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000		68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000		69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000		69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 14000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000		71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000		77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000		80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4000		89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3500		92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000		97.2	97.4	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500		98.3	98.5	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000		98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800		98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500		99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.1	99.4	99.7	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		99.1	99.4	99.7	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		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		99.1	99.4	99.7	99.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		99.2	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14911 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	97.6	97.6	97.6
≥ 2500		98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000		98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800		98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAY (MONTH)

ALL (HOURS M.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	0
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	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	68.7	68.7	68.7
≥ 18000		68.7	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000		68.8	68.9	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000		68.9	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 12000		69.3	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 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	71.6	71.6	71.6
≥ 9000		72.6	72.7	72.9	73.0	73.0	73.0	73.0	73.1	73.1	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	77.9	77.9	77.9
≥ 7000		80.3	80.5	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 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	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	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	85.2	85.2	85.2
≥ 4000		86.7	86.9	87.2	87.3	87.3	87.4	87.4	87.4	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	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	95.7	95.7	95.7
≥ 2500		96.3	96.6	97.0	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		97.5	97.8	98.3	98.6	98.6	98.6	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	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	99.1	99.1	99.1
≥ 1200		98.3	98.5	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		98.4	98.7	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 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	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	99.8	99.8	99.8
≥ 700		98.5	98.9	99.5	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		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0		98.5	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

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)

0000-0200 (HOURS LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 20000		81.1	81.2	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
≥ 18000		81.1	81.2	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
≥ 16000		81.1	81.2	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
≥ 14000		81.1	81.2	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
≥ 12000		81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000		83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000		84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 8000		91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 7000		94.1	94.2	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
≥ 6000		94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000		95.2	95.3	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
≥ 4500		95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000		96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500		97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000		98.6	98.7	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
≥ 2500		99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000		99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800		99.3	99.4	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
≥ 1500		99.3	99.4	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
≥ 1200		99.4	99.6	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
≥ 1000		99.6	99.7	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
≥ 900		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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 — JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		75.3	75.4	75.6	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
≥ 20000		78.6	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5
≥ 18000		78.8	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 16000		78.8	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 14000		78.8	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 12000		79.2	79.4	79.6	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1
≥ 10000		81.9	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.8	82.8	82.8	82.8
≥ 9000		83.1	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 8000		88.0	88.2	88.4	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
≥ 7000		90.1	90.3	90.5	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 6000		90.5	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 5000		91.2	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
≥ 4500		92.2	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 4000		92.9	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 3500		94.5	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 3000		96.3	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 2500		96.9	97.1	97.4	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 2000		97.1	97.3	97.7	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 1800		97.1	97.3	97.7	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 1500		97.7	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 1200		97.7	97.9	98.3	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 1000		98.1	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 900		98.2	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 800		98.2	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 700		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0		98.4	98.7	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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)

0600-0800 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		69.2	69.8	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		73.2	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	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800		94.8	95.2	96.2	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500		95.1	95.9	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200		95.8	96.6	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		96.4	97.2	98.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900		96.4	97.2	98.6	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		96.8	97.6	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		96.9	97.7	99.0	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		96.9	97.7	99.0	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AP SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6
≥ 20000		76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
≥ 18000		76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
≥ 16000		76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4
≥ 14000		76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6
≥ 12000		77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
≥ 10000		78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7
≥ 9000		80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9
≥ 8000		84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8
≥ 7000		86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6
≥ 6000		86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
≥ 5000		88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
≥ 4500		88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 4000		91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥ 3500		93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 3000		96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9
≥ 2500		97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 2000		97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 1800		97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 1500		98.3	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 1200		98.4	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1000		98.4	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 900		98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800		98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 700		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
0		98.6	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	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) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS, M.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥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	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	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	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	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	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	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	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.[illegible]	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	79.6	9.8	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	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	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	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	85.7	85.7	85.7	85.7
≥ 4000		89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3000		98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500		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
≥ 2000		99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800		99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		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
≥ 1200		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
≥ 1000		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000		71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 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	71.7	71.7	71.7
≥ 14000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000		73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		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
≥ 7000		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
≥ 6000		83.7	83.7	83.7	[illegible]7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000		86.1	86.1	86.[illegible]	[illegible]1	86.1	86.1	86.1	86.1	86.1	86.1	86.[illegible]	86.1	86.1	86.1	86.1
≥ 4500		87.8	87.8	87.8	[illegible]8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.[illegible]	87.8	87.8
≥ 4000		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000		99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500		99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000		99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800		99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		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
≥ 1200		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
≥ 1000		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
≥ 900		99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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)

1800-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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 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)

2100-2300 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	92.2	92.2	92.2	92.2
≥ 5000		93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4500		94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4000		95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500		97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000		99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500		99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000		99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800		99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500		99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.8	99.8	99.8	99.8	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) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

ALL (HOURS (LST))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING		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
≥ 20000		75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
≥ 18000		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
≥ 16000		75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2
≥ 14000		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
≥ 12000		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
≥ 10000		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
≥ 9000		80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6
≥ 8000		85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 4500		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
≥ 4000		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
≥ 3500		95.4	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3000		97.6	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500		98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6
≥ 2000		98.3	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		98.7	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		98.8	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		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
≥ 900		99.0	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.0	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 700		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.1	99.3	99.7	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		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

USAF ETAC FORM 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) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
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 (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 3/4	≥1 1/2	≥1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/4	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
≥ 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 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS A.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	96.8	96.8	96.8
≥ 4000		97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500		98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3000		99.6	99.6	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
≥ 2500		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS IN G.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 20000		88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 14000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 12000		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 10000		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
≥ 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	91.5
≥ 8000		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 7000		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
≥ 6000		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000		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
≥ 4500		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
≥ 4000		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
≥ 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	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	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	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	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) TURREJO AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
≥ 2000		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	0
NO CEILING		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
≥ 20000		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
≥ 18000		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
≥ 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
≥ 14000		89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 12000		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
≥ 10000		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
≥ 9000		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
≥ 8000		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
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 4500		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
≥ 4000		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
≥ 3500		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
≥ 3000		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
≥ 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
≥ 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	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	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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.9	100.0	100.0	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 STATION NAME | 68-77 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥⅛	≥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
≥ 20000		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
≥ 18000		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
≥ 16000		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
≥ 14000		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
≥ 12000		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
≥ 10000		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
≥ 9000		92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 8000		95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 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	96.8	96.8	96.8
≥ 4000		97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500		98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 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		99.9	99.9	99.9	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	100.0	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		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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.9	100.0	100.0	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 7438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	98.3	98.3	98.3
≥ 4500		98.3	98.3	98.5	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	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	99.5	99.5	99.5
≥ 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
≥ 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
≥ 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
≥ 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 (STATION NAME) 68-77 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
≥ 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	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	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
≥ 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) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS IN LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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	86.3	86.3	86.3
≥ 20000		90.3	90.4	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
≥ 18000		90.3	90.4	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
≥ 16000		90.3	90.4	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
≥ 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	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	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	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	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	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	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	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	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	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	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	99.2	99.2	99.2
≥ 3000		98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 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	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	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	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	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	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	99.8	99.8	99.8
≥ 900		98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 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	99.9	99.9	99.9
≥ 700		99.0	99.2	99.7	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		99.0	99.2	99.7	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		99.0	99.2	99.7	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		99.0	99.2	99.7	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		99.0	99.2	99.7	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		99.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.0	99.2	99.7	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		99.0	99.2	99.7	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 (STATION NAME) 68-77 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 20000		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.	91.5	91.5	91.5	91.5
≥ 18000		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 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	91.9	91.9
≥ 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		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 9000		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 8000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 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	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	96.5	96.5	96.5
≥ 5000		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
≥ 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
≥ 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	97.5
≥ 3500		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500		99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000		99.4	99.4	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		99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500		99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS IN ST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 20000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 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	89.8
≥ 6000		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		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		90.6	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
≥ 10000		91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 9000		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
≥ 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	92.9	92.9	92.9
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 4500		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
≥ 4000		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3500		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 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	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	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	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 (STATION NAME) 68-77 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS H ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 20000		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 18000		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
≥ 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	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	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	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	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	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	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	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	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	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	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	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	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
≥ 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	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	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 STATION NAME | 68-77 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS M ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	99.7	99.7
≥ 2500		99.7	99.7	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
≥ 2000		99.7	99.7	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
≥ 1800		99.7	99.7	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
≥ 1500		99.7	99.7	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
≥ 1200		99.7	99.7	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
≥ 1000		99.7	99.7	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
≥ 900		99.7	99.7	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
≥ 800		99.7	99.7	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
≥ 700		99.7	99.7	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
≥ 600		99.7	99.7	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
≥ 500		99.7	99.7	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
≥ 400		99.7	99.7	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
≥ 300		99.7	99.7	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
≥ 200		99.7	99.7	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		99.7	99.7	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
≥ 0		99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 20000		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
≥ 18000		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
≥ 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	90.3
≥ 14000		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
≥ 12000		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
≥ 10000		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 9000		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 8000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 7000		95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 6000		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
≥ 5000		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
≥ 4500		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
≥ 4000		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
≥ 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	99.2	99.2
≥ 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	99.9	99.9	99.9
≥ 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	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	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 — TURREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		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
≥ 20000		89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 18000		90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 16000		90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 14000		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
≥ 12000		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
≥ 10000		91.9	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
≥ 9000		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
≥ 8000		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
≥ 7000		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
≥ 6000		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
≥ 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	96.7	96.7	96.7
≥ 4500		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
≥ 4000		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
≥ 3500		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
≥ 3000		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
≥ 2500		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
≥ 2000		99.3	99.7	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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 800		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TERREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 20000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 18000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 16000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 14000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 12000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 9000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000		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		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 5000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500		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
≥ 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	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	97.4	97.4	97.4	97.4	97.4
≥ 3000		98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500		98.7	98.7	98.8	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		98.9	98.9	99.0	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		99.1	99.1	99.2	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		99.3	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.6	99.6	99.7	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		99.6	99.6	99.7	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		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.6	99.6	99.7	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 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING		78.8	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 20000		83.2	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
< 18000		83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 16000		83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
< 14000		83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 12000		83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
< 10000		85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 9000		86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
< 8000		90.3	90.4	90.6	90.7	90.7	90.7	90.7	90.7	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	93.6	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	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 5000		94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	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	95.8	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	95.9	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	96.4	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	97.6	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	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	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	98.8	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	99.2	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	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	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	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8	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	99.9	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	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	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	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	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	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	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	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 AP SPAIN/MADRID STATION NAME | 68-77 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		72.8	73.0	73.3	73.8	73.8	73.8	73.9	73.9	73.9	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	99.4	99.4	99.4
≥ 400		95.9	96.7	98.2	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		95.9	96.7	98.2	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		95.9	96.7	98.2	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100		95.9	96.7	98.2	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0		95.9	96.7	98.2	99.4	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 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 | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		71.1	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000		78.8	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000		79.7	79.8	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
≥ 16000		79.7	79.8	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
≥ 14000		79.8	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 12000		80.1	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000		81.7	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 9000		92.3	92.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 8000		85.4	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000		87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 6000		87.8	87.9	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
≥ 5000		89.4	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500		89.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4000		90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		92.9	93.0	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000		94.6	94.9	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
≥ 2500		95.4	95.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000		95.6	96.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800		95.7	96.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		95.8	96.6	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
≥ 1200		96.4	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		96.9	97.6	98.8	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		96.9	97.6	98.9	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		97.0	97.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		97.0	97.7	99.2	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		97.0	97.7	99.2	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		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.0	97.7	99.2	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.0	97.7	99.2	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.0	97.7	99.2	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.0	97.7	99.2	99.7	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 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) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS IN ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1 ¾	≥1¼	≥1	≥ ¾	≥ ½	≥ ¼	≥5/16	≥ 0	
NO CEILING		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000		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
≥ 18000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 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	81.9	81.9
≥ 14000		82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 12000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 8000		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 7000		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
≥ 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	88.3	88.3	88.3
≥ 5000		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
≥ 4500		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
≥ 4000		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500		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
≥ 3000		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
≥ 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	99.1
≥ 2000		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500		99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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 (STATION NAME) 68-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅞	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	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	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	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	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	82.9	82.9	82.9	82.9	82.9
≥ 12000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 10000		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 9000		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 8000		89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 4500		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
≥ 4000		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
≥ 3500		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
≥ 3000		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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 1200		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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 | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥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
≥ 20000		87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 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
≥ 16000		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
≥ 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
≥ 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	88.3	88.3	88.3
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 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
≥ 4000		97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500		98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3000		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING		75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 20000		82.6	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 18000		83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 16000		83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000		83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000		83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 10000		85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 9000		86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 8000		89.4	89.4	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
≥ 7000		91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000		91.6	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
≥ 5000		93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 4500		93.8	93.8	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
≥ 4000		94.7	94.8	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
≥ 3500		95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000		97.4	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2500		98.1	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000		98.3	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800		98.3	98.5	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
≥ 1500		98.5	98.6	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		98.7	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		98.8	99.0	99.4	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		98.8	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		98.9	99.1	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		98.9	99.1	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		98.9	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.9	99.1	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.9	99.1	99.5	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		98.9	99.1	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
C		98.8	99.1	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS AST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 20000		78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 18000		78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 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	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	78.4	78.4	78.4
≥ 12000		78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 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	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	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	87.0	87.0	87.0
≥ 7000		91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 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	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	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	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	95.3	95.3	95.3
≥ 3500		96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000		97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500		97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		98.5	98.7	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
≥ 1800		98.5	98.7	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
≥ 1500		98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		99.0	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.0	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		99.0	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		70.2	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 20000		75.2	75.9	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 18000		75.4	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000		75.4	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000		75.6	76.2	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 12000		76.1	76.8	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000		77.3	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000		78.0	78.6	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000		84.2	84.8	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 7000		89.1	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 6000		89.8	90.4	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 5000		90.0	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500		91.3	91.9	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
≥ 4000		91.5	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500		92.9	93.4	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000		94.1	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500		95.1	95.7	96.3	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		96.1	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800		96.5	97.1	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
≥ 1500		96.6	97.2	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		96.7	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		97.0	97.6	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		97.0	97.6	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800		97.2	97.8	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	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	99.6	99.6	99.6	99.6	99.6
≥ 600		97.4	98.1	98.8	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		97.5	98.2	98.9	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		97.5	98.2	98.9	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.5	98.2	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.5	98.2	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.5	98.2	98.9	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.5	98.2	98.9	99.6	99.6	99.8	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 AP SPAIN/MADRID STATION NAME | 68-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		63.5	64.3	64.7	65.3	65.3	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000		70.8	71.6	72.0	72.8	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000		71.3	72.1	72.4	73.2	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 16000		71.3	72.1	72.4	73.2	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000		71.7	72.4	72.9	73.6	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000		72.7	73.4	73.8	74.6	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000		73.8	74.4	74.8	75.6	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		74.3	75.0	75.5	76.2	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		78.7	79.5	80.1	80.8	80.8	81.3	81.4	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	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000		83.2	84.1	84.5	85.6	85.6	86.0	86.1	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	87.1	87.5	87.6	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	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000		85.5	86.4	86.9	87.8	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		88.2	89.1	90.0	91.1	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000		90.6	91.6	92.5	93.9	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500		91.4	92.4	93.3	94.8	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		92.9	93.9	94.8	96.6	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		92.9	93.9	94.8	96.6	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		93.8	94.7	95.7	97.6	97.6	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		94.0	94.9	95.9	98.2	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		94.1	95.0	96.0	98.6	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		94.1	95.0	96.0	98.6	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		94.1	95.0	96.0	98.7	98.7	99.6	99.8	99.9	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 | TORREJON AB SPAIN/MADRID STATION NAME | 8-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		69.9	61.4	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000		70.9	71.5	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 18000		71.3	71.5	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 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	73.2	73.2
≥ 14000		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	73.9	73.9
≥ 12000		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	74.3	74.3
≥ 10000		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	74.9	74.9
≥ 9000		76.1	76.8	77.6	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 8000		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	82.2	82.2
≥ 7000		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	84.6	84.6
≥ 6000		82.8	83.2	84.4	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000		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	86.0	86.0
≥ 4500		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	86.7	86.7
≥ 4000		86.6	86.2	87.4	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500		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	91.0	91.0
≥ 3000		90.3	91.4	93.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500		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	96.0	96.0
≥ 2000		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	97.7	97.7
≥ 1800		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	97.8	97.8
≥ 1500		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	99.0	99.0
≥ 1200		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	99.7	99.7
≥ 1000		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	99.8	99.8
≥ 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	99.8	99.8
≥ 800		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	99.9	99.9
≥ 700		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	100.0	100.0
≥ 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	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	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	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	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	100.0	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	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	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 STATION NAME — 69-77 YEARS — OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOUR (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥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	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	71.1	71.1	71.1
≥ 18000		71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 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	72.2	72.2	72.2
≥ 14000		72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000		72.7	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
≥ 10000		73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000		75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000		79.1	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		82.6	82.7	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000		83.7	83.8	84.0	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000		84.3	84.4	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500		85.4	85.5	85.7	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000		87.6	87.7	88.0	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		90.1	90.2	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000		94.6	94.8	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500		97.3	97.5	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000		97.8	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		97.8	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500		98.7	98.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		98.7	98.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.7	98.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS M ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		58.0	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
≥ 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	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	71.9	71.9	71.9
≥ 16000		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	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	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	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	74.9	74.9	74.9
≥ 9000		77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000		82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000		84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000		86.3	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000		87.6	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500		89.0	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000		90.2	90.3	90.3	90.8	90.8	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	92.8	93.2	93.2	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	95.3	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500		96.7	96.8	96.8	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000		97.4	97.5	97.5	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800		98.1	98.2	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
≥ 1500		98.6	98.6	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		98.7	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		98.7	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		98.7	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		98.7	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.7	98.8	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING		63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 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	74.0	74.0
≥ 18000		74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000		74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 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	75.2	75.2
≥ 12000		75.4	75.6	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
≥ 10000		77.5	77.7	77.8	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		79.6	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 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	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	88.3	88.3
≥ 6000		89.4	89.6	89.8	90.0	90.0	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	91.1	91.1
≥ 4500		91.4	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000		93.3	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 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	95.9	95.9
≥ 3000		97.4	97.6	97.8	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		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	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	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	98.8	98.8
≥ 1500		98.4	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		98.7	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.0	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.0	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.0	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.0	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.0	99.1	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.0	99.1	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥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	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	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	75.9
≥ 16000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000		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
≥ 12000		76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 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	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	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	84.8
≥ 7000		90.9	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
≥ 6000		92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000		93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4500		94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4000		95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500		96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3000		98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500		98.6	98.6	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		98.9	98.9	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
≥ 1800		98.9	98.9	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
≥ 1500		99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200		99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		99.2	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.2	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.2	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.2	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.2	99.2	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.2	99.2	99.7	99.8	99.8	99.9	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 STATION NAME | 68-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		64.7	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000		73.3	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
≥ 18000		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
≥ 16000		73.8	74.1	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 14000		74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 12000		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
≥ 10000		77.1	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
≥ 9000		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
≥ 8000		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
≥ 7000		86.4	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
≥ 6000		87.4	87.8	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
≥ 5000		88.9	89.3	89.2	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500		89.3	89.7	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4000		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
≥ 3500		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
≥ 3000		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
≥ 2500		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
≥ 2000		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	97.9	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	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 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		97.5	98.0	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		97.5	98.0	98.7	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		97.6	98.1	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		97.6	98.1	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		97.6	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
≥ 500		97.7	98.1	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.7	98.1	98.9	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.7	98.1	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.7	98.1	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.7	98.1	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.7	98.1	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		62.0	62.4	63.5	63.7	63.8	64.0	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 20000		65.6	66.1	67.2	67.4	67.5	67.6	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.2	68.2
≥ 18000		65.9	66.3	67.4	67.6	67.7	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.4	68.4
≥ 16000		65.9	66.3	67.4	67.6	67.7	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.4	68.4
≥ 14000		66.0	66.4	67.5	67.7	67.9	68.0	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 12000		66.4	66.9	68.0	68.2	68.3	68.4	68.5	68.6	68.9	68.9	68.9	68.9	68.9	69.0	69.0
≥ 10000		67.6	68.1	69.2	69.4	69.5	69.6	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.2	70.2
≥ 9000		68.3	69.7	70.9	71.1	71.2	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.9	71.9
≥ 8000		75.2	75.6	76.8	77.3	77.4	77.5	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 7000		80.4	80.9	82.0	82.9	83.0	83.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6
≥ 6000		81.2	81.6	82.9	83.8	83.9	84.0	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5
≥ 5000		82.5	83.0	84.1	85.1	85.1	85.2	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.9	85.9
≥ 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	86.8	86.8
≥ 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	87.8	87.8
≥ 3500		85.1	85.5	86.7	87.5	87.7	87.9	88.0	88.1	88.7	88.7	88.7	88.7	88.7	88.8	88.8
≥ 3000		86.3	86.8	87.9	88.8	88.9	89.1	89.2	89.3	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 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	91.7	91.7
≥ 2000		89.0	90.2	91.3	92.2	92.3	92.5	92.7	92.8	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1800		89.8	90.2	91.3	92.2	92.3	92.5	92.7	92.8	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1500		90.2	90.9	92.2	93.2	93.3	93.5	93.7	93.8	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 1200		90.8	91.4	92.7	93.8	93.9	94.1	94.2	94.3	95.1	95.1	95.1	95.1	95.1	95.2	95.2
≥ 1000		91.0	91.7	93.1	94.1	94.2	94.5	94.7	94.8	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 900		91.0	91.7	93.1	94.1	94.2	94.5	94.7	94.8	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 800		91.0	91.7	93.2	94.4	94.5	95.1	95.2	95.3	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 700		91.3	92.0	93.7	95.1	95.2	95.8	95.9	96.0	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 600		91.3	92.1	93.8	95.3	95.4	96.1	96.2	96.3	97.2	97.3	97.3	97.3	97.3	97.4	97.4
≥ 500		91.7	92.4	94.2	96.2	96.3	97.0	97.4	97.6	98.4	98.6	98.6	98.6	98.6	98.7	98.7
≥ 400		91.7	92.4	94.2	96.3	96.4	97.1	97.8	97.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300		91.7	92.4	94.2	96.3	96.4	97.1	97.8	97.9	99.0	99.1	99.1	99.1	99.1	99.2	99.2
≥ 200		91.7	92.4	94.2	96.4	96.6	97.2	97.9	98.0	99.1	99.2	99.2	99.2	99.2	99.3	99.3
≥ 100		91.7	92.4	94.2	96.4	96.6	97.2	97.9	98.0	99.3	99.6	99.6	99.6	99.6	99.8	99.9
≥ 0		91.7	92.4	94.2	96.4	96.6	97.2	97.9	98.0	99.3	99.6	99.6	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS G.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING		60.4	61.1	62.8	63.2	63.2	63.2	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.6
≥ 20000		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	66.4
≥ 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	66.4
≥ 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	66.4
≥ 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	66.5
≥ 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	66.9
≥ 10000		64.6	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	68.0
≥ 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	69.0
≥ 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	74.1
≥ 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	78.6
≥ 6000		75.9	76.6	78.6	79.3	79.3	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.8
≥ 5000		76.5	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	80.6
≥ 4500		78.2	79.0	81.0	81.6	81.6	81.6	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.1
≥ 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	82.5
≥ 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	84.0
≥ 3000		81.0	81.8	83.9	84.5	84.5	84.5	84.6	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.3
≥ 2500		83.1	83.9	86.0	86.6	86.6	86.8	86.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.5
≥ 2000		84.6	85.4	87.6	88.3	88.5	88.7	88.8	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.4
≥ 1800		85.1	86.0	88.1	89.0	89.0	89.2	89.3	89.4	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 1500		86.0	87.0	89.2	90.5	90.5	90.9	91.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.7
≥ 1200		87.2	88.3	90.7	92.1	92.1	92.4	92.5	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.2
≥ 1000		88.0	89.2	91.5	93.1	93.1	93.4	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 900		88.0	89.2	91.5	93.1	93.1	93.4	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 800		88.1	89.4	91.8	93.4	93.4	93.8	94.2	94.3	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 700		88.5	89.9	92.2	94.0	94.0	94.3	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.6
≥ 600		88.9	90.2	92.5	94.3	94.3	94.9	95.3	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.1
≥ 500		89.1	90.2	92.8	94.7	94.7	95.2	95.8	96.0	96.9	97.0	97.1	97.1	97.1	97.1	97.3
≥ 400		88.9	90.3	92.9	95.2	95.2	95.8	96.6	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.2
≥ 300		88.9	90.3	92.9	95.2	95.2	95.8	96.6	97.0	97.9	98.0	98.1	98.1	98.1	98.1	98.3
≥ 200		88.9	90.3	93.0	95.3	95.3	95.9	96.8	97.2	98.2	98.3	98.4	98.4	98.6	98.6	98.8
≥ 100		88.9	90.3	93.0	95.3	95.3	95.9	96.8	97.3	98.3	98.4	98.7	98.7	98.8	98.9	99.6
0		88.9	90.3	93.0	95.3	95.3	95.9	96.8	97.3	98.3	98.4	98.7	98.7	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

DATA PROCESSING BR, CH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AC SPAIN/MADRID (STATION NAME) 68-77 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0900 (HOURS L ST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1¼	≥1	⅞	¾	½	⅜	¼	⅛	0
NO CEILING		52.7	53.2	54.5	55.7	55.8	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.4	56.8
≥ 20000		56.6	57.3	58.9	60.2	60.3	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.8	61.0	61.3
≥ 18000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.7	62.0
≥ 16000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.7	62.0
≥ 14000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.7	62.0
≥ 12000		57.4	58.2	59.8	61.4	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.2	62.7
≥ 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	62.7	62.9	63.3
≥ 9000		58.2	59.8	61.3	63.0	63.1	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.6	63.8	64.2
≥ 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	69.2	69.4	69.9
≥ 7000		69.3	70.1	71.9	73.9	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.7	75.1
≥ 6000		70.2	71.0	72.9	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.7	76.1
≥ 5000		71.0	71.8	73.6	75.7	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.2	76.4	76.9
≥ 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	77.7	77.9	78.3
≥ 4000		73.4	74.2	76.0	78.2	78.3	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.8	79.0	79.4
≥ 3500		74.6	75.3	77.2	79.4	79.6	79.8	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.2	80.7
≥ 3000		75.9	76.7	78.5	80.8	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.4	81.6	81.8	82.2
≥ 2500		76.3	77.1	79.1	81.8	81.9	82.2	82.2	82.2	82.6	82.6	82.6	82.7	82.8	83.0	83.4
≥ 2000		77.3	78.2	80.2	83.3	83.4	84.1	84.1	84.1	84.4	84.4	84.4	84.6	84.7	84.9	85.3
≥ 1800		77.6	78.4	80.4	83.6	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.1	85.2	85.4	85.9
≥ 1500		79.0	80.1	82.4	85.9	86.0	86.9	87.1	87.1	87.7	87.7	87.7	87.8	87.9	88.1	88.6
≥ 1200		80.1	81.3	84.3	87.4	87.6	88.4	88.7	88.7	89.2	89.2	89.2	89.3	89.4	89.7	90.1
≥ 1000		80.8	82.1	84.9	88.4	88.7	89.7	89.9	89.9	90.4	90.4	90.4	90.6	90.7	90.9	91.3
≥ 900		81.0	82.3	85.2	88.8	89.0	90.0	90.2	90.2	90.8	90.8	90.8	90.9	91.0	91.2	91.7
≥ 800		81.1	82.4	85.3	89.0	89.2	90.3	90.6	90.6	91.1	91.1	91.1	91.2	91.3	91.6	92.0
≥ 700		82.0	83.3	86.4	90.1	90.3	91.4	91.7	91.7	92.2	92.2	92.2	92.3	92.4	92.7	93.1
≥ 600		82.4	83.8	86.9	90.6	90.9	92.0	92.4	92.4	93.0	93.0	93.0	93.1	93.2	93.4	94.0
≥ 500		82.4	83.8	87.0	90.8	91.1	92.4	93.1	93.1	93.8	93.8	93.8	93.9	94.1	94.3	94.9
≥ 400		82.4	83.8	87.0	91.3	91.7	93.1	94.0	94.1	95.1	95.1	95.2	95.4	95.9	96.1	96.7
≥ 300		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.6	95.8	95.9	96.1	96.7	96.9	97.4
≥ 200		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	96.2	96.7	97.4	97.8	98.4
≥ 100		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	96.2	96.7	97.6	97.9	99.2
0		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	96.2	96.7	97.7	98.2	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) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		49.3	49.7	51.5	53.3	53.3	53.8	53.8	53.8	54.1	54.1	54.1	54.2	54.3	54.3	54.4
≥ 20000		55.3	55.8	58.1	60.4	60.4	61.1	61.1	61.1	61.3	61.3	61.3	61.4	61.5	61.5	61.6
≥ 18000		56.1	56.6	58.9	61.2	61.2	61.8	61.8	61.8	62.1	62.1	62.1	62.2	62.3	62.3	62.4
≥ 16000		56.1	56.6	58.9	61.2	61.2	61.8	61.8	61.8	62.1	62.1	62.1	62.2	62.3	62.3	62.4
≥ 14000		56.9	57.1	59.3	61.6	61.6	62.3	62.3	62.3	62.5	62.5	62.5	62.6	62.7	62.7	62.8
≥ 12000		56.9	57.4	59.6	62.0	62.0	62.6	62.6	62.6	62.8	62.8	62.8	63.0	63.1	63.1	63.2
≥ 10000		57.6	58.2	60.5	62.8	62.8	63.5	63.5	63.5	63.7	63.7	63.7	63.8	64.0	64.0	64.1
≥ 9000		58.4	59.0	61.4	63.7	63.7	64.4	64.4	64.4	64.6	64.6	64.6	64.7	64.8	64.8	65.0
≥ 8000		62.1	62.8	65.3	67.6	67.6	68.3	68.3	68.3	68.5	68.5	68.5	68.7	68.9	68.9	69.0
≥ 7000		67.2	68.1	70.7	73.1	73.1	73.9	73.9	73.9	74.1	74.1	74.1	74.3	74.4	74.4	74.5
≥ 6000		67.6	68.3	71.2	73.5	73.5	74.3	74.3	74.3	74.5	74.5	74.5	74.7	74.9	74.9	75.0
≥ 5000		69.2	70.2	72.9	75.2	75.2	76.0	76.0	76.0	76.2	76.2	76.2	76.4	76.5	76.5	76.6
≥ 4500		69.7	70.7	73.4	75.8	75.8	76.5	76.5	76.5	76.8	76.8	76.8	77.0	77.1	77.1	77.2
≥ 4000		71.3	72.3	75.0	77.4	77.4	78.2	78.2	78.2	78.4	78.4	78.4	78.6	78.8	78.8	78.9
≥ 3500		72.2	73.2	75.9	78.3	78.3	79.2	79.2	79.2	79.4	79.4	79.4	79.6	79.8	79.8	79.9
≥ 3000		74.3	75.3	76.1	80.5	80.5	81.4	81.4	81.4	81.6	81.6	81.6	82.0	82.1	82.1	82.2
≥ 2500		76.1	77.2	80.1	82.6	82.6	83.6	83.8	83.8	84.0	84.0	84.1	84.3	84.4	84.4	84.5
≥ 2000		77.2	79.3	81.2	84.1	84.0	84.9	85.0	85.0	85.2	85.2	85.3	85.5	85.7	85.7	85.8
≥ 1800		77.8	78.8	81.6	84.4	84.4	85.3	85.4	85.4	85.7	85.7	85.8	86.0	86.1	86.1	86.2
≥ 1500		79.2	80.2	83.3	86.3	86.3	87.4	87.5	87.5	87.8	87.8	87.9	88.1	88.2	88.2	88.3
≥ 1200		80.3	81.5	84.5	87.8	87.8	89.0	89.1	89.1	89.3	89.3	89.4	89.7	89.8	89.8	89.9
≥ 1000		80.9	82.1	85.7	88.9	88.9	90.3	90.4	90.5	90.8	90.8	90.9	91.1	91.2	91.2	91.3
≥ 900		81.2	82.2	86.0	89.3	89.3	90.8	90.9	91.2	91.5	91.5	91.7	91.9	92.0	92.0	92.1
≥ 800		81.3	82.5	86.4	89.6	89.9	91.4	91.5	92.0	92.3	92.3	92.4	92.7	92.8	92.8	92.9
≥ 700		82.0	83.3	87.8	91.2	91.3	93.0	93.3	93.8	94.1	94.1	94.2	94.4	94.5	94.5	94.7
≥ 600		82.2	83.6	88.3	91.6	91.9	93.7	94.3	94.8	95.2	95.2	95.3	95.6	95.7	95.7	95.8
≥ 500		82.2	83.6	88.3	92.0	92.1	94.1	95.0	95.6	96.2	96.2	96.3	96.6	96.7	96.7	96.8
≥ 400		82.2	83.6	88.4	92.1	92.2	94.5	95.6	96.2	97.2	97.3	97.6	97.8	97.9	97.9	98.0
≥ 300		82.2	83.6	88.4	92.1	92.2	94.3	95.9	96.7	97.7	97.9	98.1	98.3	98.4	98.4	98.6
≥ 200		82.2	83.6	88.4	92.1	92.2	94.5	95.9	96.7	97.8	98.0	98.3	98.8	98.9	99.0	99.1
≥ 100		82.2	83.6	88.4	92.1	92.2	94.5	95.9	96.7	97.8	98.0	98.3	98.8	98.9	99.1	99.7
= 0		82.2	83.6	88.4	92.1	92.2	94.5	95.9	96.7	97.8	98.0	98.3	98.8	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

DATA PROCESSING PROGRAM
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		53.6	54.0	54.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000		59.7	59.1	59.7	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		59.7	59.4	60.0	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000		59.7	59.4	60.0	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000		59.2	59.7	60.2	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		60.2	60.7	61.2	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000		61.4	61.9	62.6	64.0	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000		62.3	62.8	63.4	64.9	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000		65.7	66.2	66.9	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000		70.2	70.8	71.4	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000		71.1	71.8	72.6	74.5	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000		71.8	72.4	73.3	75.2	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500		73.2	73.9	74.8	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000		75.4	76.1	77.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500		77.4	78.2	79.1	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000		81.3	82.0	83.0	85.0	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500		83.9	84.4	85.4	87.4	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000		86.0	86.8	87.9	90.1	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800		86.4	87.2	88.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500		87.9	88.6	89.4	93.1	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		89.8	89.6	91.3	94.3	94.0	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000		89.1	90.0	92.1	95.3	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900		89.2	90.2	92.3	95.6	95.8	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800		89.7	90.7	92.9	96.6	96.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		89.7	90.8	93.1	96.6	96.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		89.7	90.8	93.1	96.8	96.8	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 200		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 100		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 0		89.7	90.8	93.1	96.8	96.8	98.6	99.0	99.1	99.6	99.6	99.6	99.7	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 — TORREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		58.0	58.6	59.1	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000		58.2	58.9	60.1	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		59.0	59.7	60.9	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 16000		59.1	59.7	60.9	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000		59.2	59.9	61.1	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		60.9	61.6	62.8	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000		62.4	63.2	64.4	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000		64.4	65.2	66.4	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		68.8	69.4	71.1	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000		74.3	74.9	76.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
≥ 6000		75.4	76.2	78.1	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
≥ 5000		77.4	78.2	80.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
≥ 4500		78.9	79.7	81.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
≥ 4000		80.8	81.3	83.4	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 3500		83.4	84.3	86.5	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 3000		86.2	87.1	89.3	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
≥ 2500		87.7	88.6	90.8	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7
≥ 2000		89.3	90.2	92.4	94.0	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
≥ 1800		89.4	90.3	92.6	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
≥ 1500		90.2	91.1	93.4	96.2	96.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0
≥ 1200		90.3	91.3	93.9	96.7	96.7	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
≥ 1000		90.6	91.6	94.4	97.2	97.2	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 900		90.7	91.7	94.7	97.4	97.4	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 800		91.0	92.0	95.1	97.9	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 700		91.0	92.0	95.1	97.9	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 600		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 400		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 300		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0		91.1	92.1	95.2	98.0	98.0	98.8	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	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) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		61.1	61.4	62.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	.7	63.7	63.7
≥ 20000		64.1	64.4	66.2	66.8	66.8	66.8	66.3	66.8	66.8	66.8	66.8	66.8	.8	66.8	66.9
≥ 18000		64.9	65.2	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	7.6	67.6	67.7
≥ 16000		64.9	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	67.7
≥ 14000		65.2	65.6	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0
≥ 12000		65.7	66.0	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 10000		67.4	67.8	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 9000		68.6	68.8	70.7	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6
≥ 8000		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	77.3
≥ 7000		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	83.1
≥ 6000		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	84.1
≥ 5000		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	85.7
≥ 4500		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	87.2
≥ 4000		84.9	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	88.8
≥ 3500		86.6	87.0	89.0	89.8	89.8	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 3000		88.4	88.9	91.0	91.8	91.8	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 2500		89.8	90.2	92.3	93.1	93.1	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2
≥ 2000		91.2	91.8	93.9	94.8	94.8	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0
≥ 1800		91.4	92.0	94.2	95.1	95.1	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
≥ 1500		92.1	92.7	95.0	96.3	96.3	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 1200		92.1	92.7	95.0	96.6	96.6	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0
≥ 1000		92.6	93.1	95.7	97.4	97.4	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 900		92.6	93.1	95.7	97.4	97.4	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 800		92.8	93.3	95.9	97.7	97.7	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 700		92.9	93.4	96.0	98.0	98.0	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 600		92.9	93.4	96.0	98.0	98.0	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500		92.9	93.4	96.1	98.1	98.1	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400		92.9	93.4	96.2	98.2	98.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	
≥ 300		92.9	93.4	96.2	98.2	98.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	
≥ 200		92.9	93.4	96.2	98.2	98.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	
≥ 100		92.9	93.4	96.2	98.2	98.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	
0		92.9	93.4	96.2	98.2	98.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

14011 STATION | TORREJON AF SPAIN/MADRID STATION NAME | 68-77 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		65.9	65.9	67.1	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.2	68.2	68.2
≥ 20000		67.4	68.4	69.7	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9
≥ 18000		68.9	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3
≥ 16000		68.9	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3
≥ 14000		69.1	69.1	70.3	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.6	71.6	71.6
≥ 12000		69.4	69.4	70.7	71.6	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 10000		70.4	70.4	71.7	72.6	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 9000		71.9	71.9	73.1	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.3	74.3	74.3
≥ 8000		76.2	76.2	77.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.8	78.8	78.8
≥ 7000		80.6	80.6	81.8	82.9	82.9	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.7	83.7	83.7
≥ 6000		82.2	82.4	83.6	84.6	84.6	84.9	84.9	84.9	85.3	85.3	85.3	85.3	85.4	85.4	85.4
≥ 5000		82.7	82.9	84.1	85.1	85.0	85.3	85.3	85.3	85.8	85.8	85.8	85.8	85.9	85.9	85.9
≥ 4500		84.1	84.3	85.5	86.4	86.4	86.8	86.8	86.8	87.2	87.2	87.2	87.2	87.3	87.3	87.3
≥ 4000		84.9	84.9	86.1	87.2	87.2	87.6	87.6	87.6	88.0	88.0	88.0	88.0	88.1	88.1	88.1
≥ 3500		86.9	86.9	88.1	89.2	89.2	89.6	89.8	89.8	90.2	90.2	90.2	90.2	90.3	90.3	90.3
≥ 3000		87.9	87.9	89.1	90.2	90.2	90.6	90.8	90.8	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 2500		89.1	89.1	90.3	91.4	91.4	91.8	92.0	92.0	92.4	92.4	92.4	92.4	92.6	92.6	92.6
≥ 2000		90.7	90.7	91.9	93.0	93.0	93.3	93.6	93.6	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 1800		90.9	90.9	92.1	93.2	93.2	93.6	93.8	93.8	94.2	94.2	94.2	94.2	94.3	94.3	94.3
≥ 1500		92.7	92.7	94.4	96.0	96.0	96.3	96.6	96.6	97.0	97.0	97.1	97.1	97.2	97.2	97.2
≥ 1200		92.9	92.9	94.7	96.3	96.3	96.7	96.9	96.9	97.3	97.3	97.4	97.4	97.6	97.6	97.6
≥ 1000		93.1	93.1	95.1	96.8	96.8	97.1	97.3	97.3	97.8	97.8	97.9	97.9	98.0	98.0	98.0
≥ 900		93.1	93.1	95.2	96.9	96.9	97.2	97.4	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.1
≥ 800		93.4	93.4	95.4	97.1	97.1	97.4	97.6	97.6	98.1	98.1	98.2	98.2	98.3	98.3	98.3
≥ 700		93.6	93.6	95.9	97.8	97.8	98.1	98.3	98.3	98.8	98.8	98.9	98.9	99.0	99.0	99.0
≥ 600		93.6	93.6	95.9	97.8	97.8	98.1	98.4	98.4	98.9	98.9	99.0	99.0	99.2	99.2	99.2
≥ 500		93.7	93.7	96.0	97.9	97.9	98.2	98.6	98.6	99.0	99.0	99.1	99.1	99.3	99.3	99.3
≥ 400		93.7	93.7	96.1	98.0	98.0	98.3	98.7	98.7	99.1	99.1	99.2	99.2	99.4	99.4	99.6
≥ 300		93.7	93.7	96.1	98.0	98.0	98.3	98.7	98.7	99.1	99.1	99.2	99.2	99.4	99.4	99.6
≥ 200		93.7	93.7	96.1	98.0	98.0	98.3	98.7	98.7	99.2	99.2	99.3	99.3	99.6	99.6	99.7
≥ 100		93.7	93.7	96.1	98.0	98.0	98.3	98.7	98.7	99.2	99.2	99.4	99.4	99.7	99.7	99.8
≥ 0		93.7	93.7	96.1	98.0	98.0	98.3	98.7	98.7	99.2	99.2	99.4	99.4	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 AP SPAIN/MADRID (STATION NAME) 68-77 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS A ST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		57.1	57.7	58.4	59.7	59.7	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.2
≥ 20000		61.1	61.7	63.2	64.2	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.6	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	65.0	65.1	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	65.0	65.1	65.1	65.2
≥ 14000		61.8	62.4	63.9	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.3	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	65.9	65.9	66.0	66.1
≥ 10000		63.6	64.2	65.7	66.7	66.8	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.3
≥ 9000		64.2	65.4	66.9	68.0	68.0	68.2	68.3	68.3	68.4	68.4	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	73.4	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	78.6	78.6	78.7	78.8
≥ 6000		75.4	76.1	77.8	79.1	79.2	79.5	79.5	79.5	79.7	79.7	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	80.7	80.9	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	82.0	82.2	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	83.5	83.6	83.6	83.7	83.8
≥ 3500		80.7	81.4	83.2	84.6	84.6	85.0	85.1	85.1	85.3	85.3	85.3	85.4	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	87.4	87.5	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	89.1	89.2	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	91.0	91.1	91.1	91.1	91.3
≥ 1800		86.9	87.7	89.6	90.4	90.5	91.0	91.1	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6
≥ 1500		87.0	87.9	90.1	92.2	92.2	92.8	93.0	93.1	93.4	93.4	93.4	93.4	93.5	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	94.3	94.4	94.4	94.5	94.6
≥ 1000		88.1	89.1	91.5	93.9	94.0	94.7	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.6
≥ 900		89.2	89.2	91.7	94.1	94.2	94.9	95.1	95.2	95.5	95.5	95.6	95.6	95.6	95.7	95.8
≥ 800		89.4	89.4	92.1	94.6	94.6	95.5	95.7	95.8	96.2	96.2	96.2	96.2	96.3	96.3	96.4
≥ 700		89.7	89.8	92.5	95.1	95.2	96.1	96.4	96.5	96.8	96.8	96.9	96.9	96.9	97.0	97.1
≥ 600		89.8	90.0	92.7	95.3	95.4	96.4	96.8	96.9	97.3	97.3	97.3	97.4	97.4	97.5	97.6
≥ 500		89.9	90.0	92.8	95.6	95.6	96.7	97.2	97.4	97.9	97.9	97.9	98.0	98.0	98.1	98.2
≥ 400		89.9	90.0	92.9	95.7	95.8	96.9	97.6	97.7	98.4	98.4	98.5	98.5	98.6	98.7	98.8
≥ 300		89.9	90.0	92.9	95.8	95.8	97.0	97.6	97.9	98.6	98.6	98.7	98.8	98.9	98.9	99.1
≥ 200		89.9	90.0	92.9	95.8	95.9	97.0	97.7	97.9	98.7	98.7	98.8	99.0	99.1	99.2	99.4
≥ 100		89.9	90.0	92.9	95.8	95.9	97.0	97.7	97.9	98.7	98.8	98.9	99.0	99.2	99.3	99.7
0		89.9	90.0	92.9	95.8	95.9	97.0	97.7	97.9	98.7	98.8	98.9	99.1	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7197

USAF ETAC FORM 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 | TURREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		49.2	49.6	50.6	50.8	50.8	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		53.1	53.5	54.7	54.9	54.8	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000		53.2	53.6	54.8	54.9	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000		53.2	53.6	54.8	54.9	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000		53.2	53.6	54.8	54.9	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000		53.3	54.3	55.4	55.5	55.5	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000		54.4	54.8	56.3	56.4	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000		55.1	55.4	56.9	57.1	57.1	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000		59.2	59.6	61.2	61.4	61.4	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000		63.8	64.3	65.9	66.1	66.0	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000		65.2	65.7	67.3	67.4	67.4	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000		66.5	67.1	68.7	68.8	68.8	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500		68.5	69.0	70.6	71.0	71.0	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000		69.1	69.6	72.1	72.2	72.2	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500		69.9	70.4	72.9	73.4	73.4	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000		74.9	75.5	77.9	78.5	78.5	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		76.7	77.3	79.8	80.3	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000		79.3	80.0	83.0	83.7	83.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800		79.4	80.1	83.1	83.9	83.9	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500		82.2	82.9	86.0	86.8	86.8	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200		83.6	84.3	87.6	88.6	88.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1000		84.3	84.9	88.4	89.5	89.5	90.6	91.0	91.0	91.0	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	91.9	91.9	91.9
≥ 800		84.7	85.6	89.2	90.9	90.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700		85.4	86.4	90.1	91.9	91.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600		85.9	87.1	90.9	92.9	92.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		86.0	87.3	91.1	93.1	93.1	94.5	94.9	94.9	94.9	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	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	95.6	95.6	95.6	95.6	95.6	95.6
≥ 200		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	96.1	96.2	96.6	96.6	96.6	96.7
≥ 100		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	96.1	96.2	96.6	96.8	96.8	97.7
0		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	96.1	96.2	96.7	97.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 52-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		47.8	48.3	48.7	49.5	49.5	50.0	50.1	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.6
≥ 20000		51.7	52.2	52.6	53.3	53.3	53.9	54.0	54.0	54.2	54.3	54.3	54.4	54.4	54.4	54.5
≥ 18000		52.3	52.7	53.3	53.9	53.9	54.4	54.5	54.5	54.7	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	54.5	54.7	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	54.6	54.8	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	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
≥ 10000		54.8	54.9	55.6	56.1	56.1	56.7	56.8	56.8	57.0	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	57.6	57.8	58.0	58.0	58.1	58.1	58.1	58.2
≥ 8000		59.6	60.0	60.6	61.2	61.2	61.7	61.8	61.8	62.0	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	66.3	66.6	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	67.5	67.7	67.8	67.8	68.0	68.0	68.0	68.1
≥ 5000		65.6	67.0	67.8	68.4	68.4	68.9	69.0	69.0	69.2	69.4	69.4	69.5	69.5	69.5	69.6
≥ 4500		68.2	68.8	69.7	70.4	70.4	71.0	71.2	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.7
≥ 4000		69.7	69.4	70.3	71.1	71.1	71.6	71.8	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.4
≥ 3500		71.9	71.6	72.6	73.3	73.3	73.9	74.1	74.1	74.3	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	77.6	77.8	78.0	78.0	78.1	78.1	78.1	78.2
≥ 2500		77.4	78.1	79.1	79.8	79.8	80.3	80.5	80.5	80.8	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	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.2
≥ 1800		80.2	81.1	82.2	83.0	83.0	83.7	83.9	83.9	84.1	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	86.3	86.6	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	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.2
≥ 1000		84.9	85.9	87.6	88.6	88.9	89.6	89.9	89.9	90.1	90.2	90.3	90.4	90.4	90.4	90.5
≥ 900		85.4	86.3	88.1	89.2	89.2	90.0	90.3	90.3	90.5	90.6	90.8	90.9	90.9	90.9	91.0
≥ 800		85.6	86.7	88.5	89.6	89.8	90.5	90.9	90.9	91.1	91.2	91.3	91.4	91.4	91.4	91.5
≥ 700		85.8	86.9	88.9	90.2	90.2	91.0	91.3	91.3	91.5	91.6	91.7	91.8	91.8	91.8	91.9
≥ 600		85.8	86.9	89.1	90.4	90.4	91.3	91.6	91.6	91.8	91.9	92.0	92.2	92.2	92.2	92.3
≥ 500		86.3	87.4	89.9	91.4	91.4	92.4	93.0	93.0	93.2	93.3	93.4	93.5	93.5	93.5	93.7
≥ 400		86.3	87.4	89.9	91.4	91.4	92.6	93.3	93.5	93.8	93.9	94.0	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	94.7	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	95.3	95.4	95.6	95.8	96.0
≥ 100		86.5	87.6	90.2	91.7	91.7	93.1	94.1	94.4	94.8	95.3	95.4	95.5	95.9	96.2	97.4
0		86.6	87.7	90.3	91.8	91.8	93.2	94.2	94.5	94.9	95.4	95.5	95.7	96.2	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 101 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 — TORREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS IN GMT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		45.3	45.8	45.9	46.6	46.7	47.6	48.1	48.1	48.6	48.6	48.6	48.7	48.8	48.8	49.1
≥ 20000		49.9	50.3	50.4	51.2	51.3	52.3	52.7	52.7	53.2	53.2	53.2	53.3	53.4	53.4	53.8
≥ 18000		49.9	50.4	50.5	51.3	51.4	52.4	52.8	52.8	53.3	53.3	53.3	53.4	53.5	53.5	53.9
≥ 16000		49.9	50.4	50.5	51.3	51.4	52.4	52.8	52.8	53.3	53.3	53.3	53.4	53.5	53.5	53.9
≥ 14000		49.9	50.4	50.5	51.3	51.4	52.4	52.8	52.8	53.3	53.3	53.3	53.4	53.5	53.5	53.9
≥ 12000		50.5	51.3	51.4	52.3	52.4	53.3	53.8	53.8	54.3	54.3	54.3	54.4	54.5	54.5	54.8
≥ 10000		51.8	52.0	52.2	53.0	53.1	54.1	54.5	54.5	55.1	55.1	55.1	55.2	55.3	55.3	55.6
≥ 9000		52.3	52.6	53.1	54.0	54.1	55.1	55.5	55.5	56.0	56.0	56.0	56.1	56.2	56.2	56.6
≥ 8000		56.3	56.9	57.4	58.3	58.4	59.4	59.8	59.8	60.3	60.3	60.3	60.4	60.5	60.5	60.9
≥ 7000		60.8	61.3	61.9	62.8	62.9	63.9	64.3	64.3	64.8	64.8	64.8	64.9	65.1	65.1	65.4
≥ 6000		62.0	62.6	63.2	64.1	64.2	65.2	65.6	65.6	66.1	66.1	66.1	66.2	66.3	66.3	66.7
≥ 5000		63.1	63.7	64.4	65.3	65.4	66.3	66.8	66.8	67.3	67.3	67.3	67.4	67.5	67.5	67.8
≥ 4500		64.3	65.1	65.8	66.7	66.8	67.7	68.4	68.4	68.9	68.9	68.9	69.0	69.1	69.1	69.5
≥ 4000		65.3	65.9	66.6	67.4	67.5	68.5	69.2	69.2	69.8	69.8	69.8	69.9	70.0	70.0	70.3
≥ 3500		67.1	67.7	68.5	69.5	69.6	70.5	71.4	71.4	71.9	71.9	71.9	72.0	72.2	72.2	72.5
≥ 3000		70.3	71.0	71.7	72.6	72.9	73.9	74.7	74.7	75.3	75.3	75.3	75.4	75.5	75.5	75.8
≥ 2500		73.2	74.0	74.7	75.8	75.9	77.0	77.8	77.8	78.4	78.4	78.4	78.5	78.6	78.6	78.9
≥ 2000		74.2	77.1	78.0	79.2	79.4	80.4	81.3	81.3	81.8	81.8	81.8	81.9	82.0	82.0	82.4
≥ 1800		77.1	78.0	78.8	80.1	80.2	81.3	82.2	82.2	82.7	82.7	82.7	82.8	82.9	82.9	83.2
≥ 1500		78.4	79.4	80.3	81.7	81.8	82.9	83.9	83.9	84.4	84.4	84.4	84.5	84.6	84.6	84.9
≥ 1200		78.9	79.9	80.9	82.5	82.6	83.9	84.7	84.7	85.3	85.3	85.3	85.4	85.5	85.5	85.8
≥ 1000		79.9	81.0	82.0	83.8	83.9	85.5	86.5	86.5	87.0	87.0	87.0	87.1	87.2	87.2	87.5
≥ 900		79.9	81.0	82.2	83.9	84.0	85.9	87.0	87.0	87.5	87.5	87.5	87.6	87.7	87.7	88.1
≥ 800		80.2	81.3	82.5	84.5	84.6	86.6	87.6	87.6	88.2	88.2	88.2	88.3	88.4	88.4	88.7
≥ 700		80.9	81.9	83.3	85.9	86.0	88.2	89.2	89.4	89.9	89.9	89.9	90.0	90.1	90.1	90.4
≥ 600		81.0	82.2	83.6	86.9	87.0	89.1	90.3	90.4	91.0	91.0	91.0	91.1	91.2	91.2	91.5
≥ 500		81.2	82.4	84.2	87.4	87.5	89.7	91.0	91.1	91.6	91.6	91.6	91.7	91.8	91.8	92.2
≥ 400		81.2	82.7	84.5	87.8	88.0	90.3	91.7	91.9	92.8	93.0	93.0	93.1	93.2	93.2	93.5
≥ 300		81.2	82.7	84.5	87.8	88.0	90.4	92.2	92.6	93.8	94.1	94.1	94.4	94.6	94.6	95.2
≥ 200		81.2	82.7	84.6	88.0	88.1	90.5	92.3	92.7	94.2	94.6	94.8	95.2	95.5	95.5	96.1
≥ 100		81.2	82.7	84.6	88.0	88.1	90.5	92.3	92.7	94.2	94.6	94.8	95.3	95.7	95.8	98.0
0		81.2	82.7	84.6	88.0	88.1	90.5	92.3	92.7	94.2	94.6	94.8	95.3	95.8	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING [illegible]
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 8-77 YEARS — DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS IN ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		42.4	43.0	43.[illegible]	45.2	45.2	45.7	45.8	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.2
≥ 20000		47.4	48.[illegible]	49.5	51.2	51.2	51.8	51.9	51.9	52.2	52.2	52.2	52.2	52.3	52.3	52.5
≥ 18000		47.4	48.5	49.[illegible]	51.2	51.2	51.8	51.9	51.9	52.2	52.2	52.2	52.2	52.3	52.3	52.5
≥ 16000		47.4	48.5	49.5	51.2	51.2	51.8	51.9	51.9	52.2	52.2	52.2	52.2	52.3	52.3	52.5
≥ 14000		47.5	48.6	49.6	51.3	51.3	51.9	52.0	52.0	52.3	52.3	52.3	52.3	52.4	52.4	52.6
≥ 12000		47.5	48.6	49.6	51.3	51.3	51.9	52.0	52.0	52.3	52.3	52.3	52.3	52.4	52.4	52.6
≥ 10000		48.3	49.4	50.3	52.0	52.0	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.1	53.1	53.3
≥ 9000		49.5	50.5	51.7	53.5	53.5	54.2	54.3	54.3	54.5	54.5	54.5	54.5	54.6	54.6	54.8
≥ 8000		51.7	52.9	54.3	56.1	56.1	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.3	57.3	57.5
≥ 7000		55.1	56.3	57.7	59.9	59.9	60.6	60.9	60.9	61.1	61.1	61.1	61.1	61.2	61.2	61.4
≥ 6000		55.6	57.0	58.4	60.6	60.6	61.4	61.6	61.6	61.8	61.8	61.8	61.8	61.9	61.9	62.2
≥ 5000		57.1	58.5	59.9	62.2	62.2	62.9	63.1	63.1	63.3	63.3	63.3	63.3	63.4	63.4	63.7
≥ 4500		59.1	59.5	61.0	63.4	63.4	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.7	64.7	64.9
≥ 4000		59.9	60.3	61.9	64.6	64.6	65.7	65.9	65.9	66.2	66.2	66.2	66.2	66.3	66.3	66.6
≥ 3500		61.1	62.5	64.2	66.9	66.9	68.2	68.5	68.5	68.8	68.8	68.8	68.8	68.9	68.9	69.1
≥ 3000		64.8	66.2	68.1	70.8	70.8	72.0	72.4	72.4	72.7	72.7	72.7	72.7	72.8	72.8	73.0
≥ 2500		68.0	69.5	71.3	74.2	74.2	75.6	75.9	75.9	76.2	76.2	76.2	76.2	76.3	76.3	76.6
≥ 2000		70.3	72.7	74.8	78.2	78.2	79.6	79.9	79.9	80.2	80.2	80.3	80.3	80.4	80.4	80.6
≥ 1800		71.7	73.5	75.7	79.2	79.2	80.6	81.0	81.0	81.3	81.3	81.4	81.4	81.5	81.5	81.7
≥ 1500		74.4	76.2	78.7	82.3	82.3	83.9	84.4	84.4	84.7	84.8	84.9	84.9	85.1	85.1	85.3
≥ 1200		75.4	77.2	79.8	83.4	83.4	85.5	86.1	86.1	86.6	86.7	86.8	86.8	86.9	86.9	87.1
≥ 1000		76.2	78.3	81.1	85.1	85.1	87.3	88.1	88.1	88.6	88.7	88.8	88.8	88.9	88.9	89.1
≥ 900		76.2	78.3	81.1	85.4	85.4	87.6	88.4	88.4	88.9	89.0	89.1	89.2	89.4	89.4	89.6
≥ 800		76.3	78.4	81.4	85.7	85.7	88.1	88.9	88.9	89.5	89.6	89.7	89.8	89.9	89.9	90.1
≥ 700		76.5	78.5	81.7	86.3	86.3	88.9	89.8	89.8	90.3	90.4	90.5	90.6	90.8	90.8	91.0
≥ 600		76.5	78.6	82.0	86.7	86.7	89.4	90.4	90.4	91.0	91.1	91.2	91.3	91.5	91.5	91.7
≥ 500		76.6	78.6	82.2	86.9	86.9	90.2	91.4	91.5	92.2	92.4	92.5	92.6	92.8	92.8	93.0
≥ 400		76.6	78.6	82.2	86.9	87.0	90.3	91.7	91.8	92.8	93.1	93.2	93.3	93.7	93.7	94.0
≥ 300		76.6	78.6	82.2	87.0	87.1	90.5	92.2	92.5	93.8	94.2	94.4	94.7	95.1	95.3	95.8
≥ 200		76.6	78.6	82.2	87.0	87.1	90.5	92.5	92.8	94.2	94.7	94.9	95.5	96.0	96.2	96.9
≥ 100		76.6	78.6	82.2	87.0	87.1	90.5	92.5	92.8	94.2	94.7	94.9	95.5	96.3	96.8	98.7
0		76.7	78.7	82.3	87.1	87.2	90.6	92.6	92.9	94.3	94.8	95.1	95.6	96.5	96.9	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 STATION NAME | 68-77 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		45.5	45.9	46.6	47.3	47.3	47.3	47.5	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0
≥ 20000		50.5	51.2	52.0	53.0	53.0	53.0	53.2	53.3	53.7	53.7	53.8	53.8	53.8	53.8	53.8
≥ 18000		50.6	51.4	52.4	53.1	53.1	53.1	53.3	53.4	53.8	53.8	53.9	53.9	53.9	53.9	53.9
≥ 16000		50.6	51.3	52.2	53.1	53.1	53.1	53.3	53.4	53.8	53.8	53.9	53.9	53.9	53.9	53.9
≥ 14000		50.9	51.7	52.6	53.5	53.5	53.5	53.8	53.9	54.2	54.2	54.3	54.3	54.3	54.3	54.3
≥ 12000		51.0	51.8	52.7	53.7	53.7	53.7	53.9	54.0	54.3	54.3	54.4	54.4	54.4	54.4	54.4
≥ 10000		51.3	52.2	53.4	54.4	54.4	54.4	54.6	54.7	55.1	55.1	55.2	55.2	55.2	55.2	55.2
≥ 9000		52.5	54.4	55.8	56.8	56.8	56.9	57.1	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6
≥ 8000		57.2	58.1	59.5	60.4	60.4	60.5	60.8	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3
≥ 7000		60.6	61.5	62.9	63.9	63.9	64.0	64.2	64.3	64.6	64.6	64.7	64.7	64.7	64.7	64.7
≥ 6000		61.0	62.7	64.1	65.1	65.1	65.2	65.4	65.5	65.8	65.8	65.9	65.9	65.9	65.9	65.9
≥ 5000		62.9	63.9	65.3	66.5	66.5	66.6	66.8	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3
≥ 4500		63.5	64.6	66.1	67.2	67.2	67.3	67.5	67.6	68.0	68.0	68.1	68.1	68.1	68.1	68.1
≥ 4000		64.7	65.8	67.3	68.7	68.7	68.9	69.1	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7
≥ 3500		66.1	67.2	68.9	70.3	70.3	70.5	70.8	70.9	71.3	71.3	71.4	71.4	71.4	71.4	71.4
≥ 3000		71.4	72.5	74.5	75.9	75.9	76.1	76.3	76.5	76.9	76.9	77.0	77.0	77.0	77.0	77.0
≥ 2500		74.5	75.7	78.0	79.5	79.5	79.8	80.0	80.1	80.5	80.5	80.6	80.6	80.6	80.6	80.6
≥ 2000		77.1	78.5	81.1	83.1	83.1	83.4	83.7	83.8	84.2	84.2	84.3	84.3	84.3	84.3	84.3
≥ 1800		77.7	79.2	81.9	83.9	83.9	84.2	84.4	84.5	84.9	84.9	85.1	85.1	85.1	85.1	85.1
≥ 1500		80.2	82.0	84.7	86.6	86.8	87.2	87.4	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1
≥ 1200		80.5	82.7	85.4	88.2	88.2	88.7	88.9	89.0	89.5	89.5	89.6	89.6	89.6	89.6	89.6
≥ 1000		82.2	84.2	87.5	90.2	90.2	91.3	91.6	91.7	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 900		82.5	84.6	88.1	91.0	91.0	92.3	92.6	92.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2
≥ 800		82.6	84.8	88.6	91.7	91.7	93.0	94.0	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7
≥ 700		82.7	84.9	88.9	92.0	92.0	93.3	94.4	94.6	95.1	95.1	95.2	95.2	95.2	95.2	95.2
≥ 600		82.7	85.1	89.2	92.6	92.6	93.9	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8
≥ 500		82.7	85.1	89.4	93.0	93.0	94.5	96.1	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3
≥ 400		82.7	85.1	89.4	93.2	93.2	94.7	96.5	97.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4
≥ 300		82.7	85.1	89.4	93.2	93.2	94.7	96.5	97.0	98.2	98.3	98.5	98.5	98.6	98.6	98.6
≥ 200		82.7	85.1	89.4	93.2	93.2	94.7	96.5	97.0	98.2	98.3	98.7	98.7	98.8	98.9	98.9
≥ 100		82.7	85.1	89.4	93.2	93.2	94.7	96.5	97.0	98.2	98.3	98.8	98.8	99.1	99.2	99.4
0		82.8	85.2	89.5	93.3	93.3	94.8	96.6	97.1	98.3	98.4	98.9	98.9	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		46.2	46.3	46.0	46.6	46.8	47.0	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000		54.3	54.8	55.9	56.2	56.2	56.6	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		54.4	54.9	55.6	56.3	56.3	56.8	56.8	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000		54.4	54.9	55.9	56.3	56.3	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000		54.4	55.1	55.7	56.5	56.5	56.9	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000		54.9	55.6	56.2	57.0	57.0	57.4	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000		55.5	56.1	57.0	57.7	57.7	58.2	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000		56.7	57.3	58.3	59.0	59.0	59.5	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000		59.8	60.4	61.4	62.3	62.3	62.7	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000		63.2	63.9	64.8	65.7	65.7	66.1	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000		64.2	64.8	65.8	66.7	66.7	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000		65.6	66.2	67.2	68.2	68.2	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500		67.3	68.1	69.1	70.0	70.0	70.4	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000		69.6	70.3	71.3	72.3	72.3	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500		72.4	73.1	74.1	75.1	75.1	75.6	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000		76.2	77.0	78.2	79.2	79.2	79.8	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500		80.3	81.2	82.4	83.9	83.9	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7
≥ 2000		82.4	83.5	85.2	86.6	86.6	87.3	87.5	87.5	87.6	87.7	87.7	87.7	87.8	87.8	87.8
≥ 1800		83.4	84.6	86.2	87.8	87.8	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2
≥ 1500		85.2	86.3	88.1	90.1	90.2	91.2	91.5	91.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9
≥ 1200		85.5	87.0	89.1	91.4	91.5	92.5	92.9	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.3
≥ 1000		85.9	87.4	89.7	92.3	92.4	93.5	94.3	94.4	94.5	94.6	94.6	94.6	94.7	94.7	94.7
≥ 900		86.1	87.6	89.9	92.5	92.6	94.0	94.7	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3
≥ 800		86.3	87.8	90.1	93.0	93.1	94.9	95.9	96.1	96.2	96.3	96.3	96.3	96.5	96.5	96.5
≥ 700		86.5	88.0	90.2	93.1	93.2	95.2	96.1	96.3	96.5	96.6	96.6	96.6	96.7	96.7	96.7
≥ 600		87.0	88.5	90.9	93.7	93.8	95.7	96.7	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.3
≥ 500		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.3	97.5	97.6	97.7	97.7	97.8	97.8	97.8
≥ 400		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.4	97.6	97.7	97.8	97.8	98.0	98.0	98.0
≥ 300		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.6	97.8	98.1	98.3	98.4	98.6	98.6	98.6
≥ 200		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.6	97.8	98.1	98.4	98.5	99.0	99.0	99.6
≥ 100		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.6	97.8	98.1	98.4	98.5	99.0	99.0	99.8
0		87.0	88.5	90.9	93.8	93.9	95.9	97.1	97.6	97.8	98.1	98.4	98.5	99.0	99.0	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 STATION NAME — 68-77 YEARS — DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS A.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥	≥	≥	≥5/16	≥	≥0
NO CEILING		50.9	51.	51.6	51.	51.8	52.0	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000		56.8	57.	57.6	58.	58.0	58.2	58.5	58.8	58.8	58.8	58.9	58.8	58.8	58.8	58.8
≥ 18000		56.9	57.1	57.7	58.1	58.1	58.3	58.6	58.9	58.9	58.9	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	58.9	58.9	58.9
≥ 14000		57.1	57.2	57.	58.2	58.2	58.4	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000		57.4	57.6	58.	58.6	58.6	58.8	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 10000		57.4	57.8	58.5	58.8	58.8	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		58.5	58.7	59.5	59.8	59.8	60.0	60.3	60.6	60.6	60.6	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	64.4	64.4	64.4
≥ 7000		65.3	66.1	66.9	67.3	67.3	67.5	68.0	68.4	68.4	68.4	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	70.2	70.2	70.2
≥ 5000		69.1	70.1	71.	71.4	71.4	71.6	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500		71.7	72.7	73.5	74.	74.0	74.2	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000		73.1	74.1	75.1	75.5	75.5	75.7	76.1	76.6	76.6	76.6	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	78.3	78.3	78.3
≥ 3000		78.1	79.6	81.4	81.8	81.8	82.0	82.5	82.9	82.9	82.9	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	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	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	89.7	89.7	89.7
≥ 1500		86.9	88.0	90.2	90.6	90.6	91.1	91.6	92.0	92.0	92.0	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	93.3	93.3	93.3
≥ 1000		87.4	88.5	91.5	92.4	92.4	92.9	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		87.6	88.8	91.9	92.8	92.8	93.4	94.3	94.7	94.7	94.7	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	95.6	95.6	95.6
≥ 700		87.7	89.	92.4	93.7	93.7	94.4	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600		88.1	89.4	92.	94.2	94.2	95.1	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500		89.1	89.4	93.3	94.5	94.5	95.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		89.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		89.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.3
≥ 200		89.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.2	98.3	98.3	98.3	98.4
≥ 100		89.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.3	98.4	98.4	98.4	99.2
0		89.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.3	98.4	98.4	98.4	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 STATION NAME | 68-77 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	=0
NO CEILING		51.9	52.2	52.8	53.3	53.3	53.8	53.9	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000		56.9	57.1	57.7	58.3	58.3	58.7	58.8	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000		57.0	57.2	57.8	58.4	58.4	58.8	58.9	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		57.0	57.2	57.8	58.4	58.4	58.8	58.9	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		57.2	57.4	58.1	58.6	58.6	59.0	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000		57.4	57.6	58.3	58.8	58.8	59.2	59.4	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000		58.0	58.2	58.8	59.4	59.4	59.8	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000		59.4	59.6	60.2	60.8	60.8	61.2	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		62.7	62.9	63.5	64.1	64.1	64.5	64.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000		66.5	66.7	67.3	67.8	67.8	68.3	68.4	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000		68.7	68.9	69.5	70.1	70.1	70.5	70.6	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000		70.3	70.6	71.4	71.9	71.9	72.4	72.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500		72.4	72.9	73.7	74.2	74.2	74.6	74.7	74.8	75.2	75.2	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	76.1	76.1	76.1
≥ 3500		74.1	74.7	75.9	76.8	76.8	77.2	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000		78.6	79.2	80.5	81.4	81.4	81.8	82.0	82.2	82.5	82.5	82.5	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	86.0	86.0	86.0
≥ 2000		83.3	84.6	86.5	87.4	87.4	87.8	88.1	88.2	88.5	88.5	88.5	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	88.7	88.7	88.7
≥ 1500		85.1	86.6	88.4	89.6	89.6	90.0	90.2	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200		86.0	87.5	89.6	91.1	91.1	91.5	92.0	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000		86.3	87.8	89.9	91.6	91.6	92.4	93.0	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900		86.9	88.4	90.5	92.4	92.4	93.4	94.1	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800		86.9	88.4	90.5	92.4	92.4	93.4	94.2	94.3	94.6	94.7	94.7	94.7	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	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	96.0	96.0	96.0
≥ 500		87.3	88.8	91.4	93.7	93.7	94.8	95.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400		87.5	89.0	91.6	94.1	94.1	95.3	96.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300		87.5	89.0	91.6	94.2	94.2	95.4	96.3	96.5	96.9	97.1	97.1	97.2	97.3	97.4	97.4
≥ 200		87.5	89.0	91.6	94.3	94.3	95.6	96.6	96.8	97.2	97.4	97.4	97.6	97.7	97.8	97.8
≥ 100		87.5	89.0	91.6	94.3	94.3	95.6	96.7	96.8	97.2	97.4	97.4	97.6	97.7	97.8	98.8
= 0		87.8	89.4	91.9	94.6	94.6	95.9	97.0	97.1	97.5	97.7	97.7	98.0	98.1	98.2	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 (STATION NAME) 68-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥0
NO CEILING		47.4	47.6	48.4	48.9	48.9	49.4	49.5	49.6	49.8	49.8	49.9	49.9	49.9	49.9	50.0
≥ 20000		52.6	53.1	53.8	54.5	54.5	55.0	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.6
≥ 18000		52.7	53.2	53.9	54.6	54.7	55.1	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.8
≥ 16000		52.7	53.2	53.9	54.6	54.7	55.1	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.8
≥ 14000		52.8	53.4	54.1	54.8	54.8	55.3	55.5	55.5	55.7	55.8	55.9	55.8	55.8	55.8	55.9
≥ 12000		53.3	53.9	54.5	55.2	55.2	55.7	55.9	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.4
≥ 10000		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	57.1
≥ 9000		55.0	55.6	56.5	57.2	57.2	57.7	57.9	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.4
≥ 8000		58.5	59.1	60.1	60.9	60.9	61.4	61.6	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.1
≥ 7000		62.4	63.1	64.1	64.9	64.9	65.4	65.6	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.1
≥ 6000		63.7	64.4	65.4	66.2	66.3	66.8	67.0	67.1	67.3	67.3	67.3	67.3	67.4	67.4	67.5
≥ 5000		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	68.9	69.0
≥ 4500		66.3	67.0	68.1	69.0	69.0	70.1	70.4	70.5	70.7	70.7	70.7	70.8	70.8	70.8	70.9
≥ 4000		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	72.1	72.2
≥ 3500		69.5	70.4	71.7	72.8	72.8	73.4	73.7	73.8	74.1	74.1	74.1	74.1	74.2	74.2	74.2
≥ 3000		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	78.5	78.6
≥ 2500		76.8	77.7	79.3	80.5	80.5	81.2	81.5	81.6	81.8	81.8	81.8	81.9	81.9	81.9	82.0
≥ 2000		79.2	80.4	82.2	83.6	83.6	84.4	84.7	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.2
≥ 1800		79.8	80.9	82.8	84.3	84.3	85.0	85.4	85.4	85.7	85.7	85.7	85.8	85.8	85.8	85.9
≥ 1500		81.5	83.1	85.1	86.7	86.7	87.5	87.9	88.0	88.3	88.3	88.3	88.4	88.4	88.4	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	90.0	90.0	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	91.5	91.5	91.6
≥ 900		83.7	85.1	87.5	89.7	89.7	91.0	91.7	91.8	92.0	92.1	92.1	92.2	92.2	92.2	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	92.9	92.9	93.0
≥ 700		84.1	85.6	88.3	90.8	90.8	92.3	93.1	93.3	93.6	93.6	93.7	93.7	93.7	93.7	93.8
≥ 600		84.3	85.8	88.7	91.3	91.4	92.9	93.8	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.5
≥ 500		84.4	85.9	89.3	91.7	91.7	93.4	94.5	94.7	95.0	95.1	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	95.8	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	96.8
≥ 200		84.4	86.0	89.2	92.0	92.1	93.9	95.2	95.6	96.3	96.5	96.7	97.0	97.2	97.3	97.6
≥ 100		84.4	86.0	89.2	92.0	92.1	93.9	95.2	95.6	96.3	96.6	96.8	97.0	97.4	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	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 8-76 YEARS — ALL MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS G.M.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		62.4	62.7	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
≥ 20000		69.6	69.8	70.2	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8
≥ 18000		70.0	70.3	70.7	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000		70.1	70.3	70.7	71.0	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000		70.2	70.5	70.9	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 12000		70.9	71.2	71.4	71.7	71.7	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0
≥ 10000		72.1	72.4	72.8	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4
≥ 9000		73.4	73.9	74.1	74.4	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000		77.4	77.7	78.1	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
≥ 7000		80.4	80.7	81.2	81.6	81.6	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		81.1	81.4	82.0	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7
≥ 5000		82.4	82.7	83.2	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 4500		83.5	83.8	84.4	84.8	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 4000		84.9	85.2	85.8	86.2	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
≥ 3500		86.5	87.2	87.8	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
≥ 3000		89.7	90.0	90.7	91.3	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		91.1	91.5	92.2	92.8	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 2000		92.2	92.6	93.3	94.2	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7
≥ 1800		92.4	92.9	93.7	94.4	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500		93.3	93.6	94.7	95.5	95.5	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
≥ 1200		93.8	94.3	95.4	96.2	96.2	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		94.2	94.7	95.8	96.6	96.6	97.1	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5
≥ 900		94.3	94.9	96.1	97.0	97.0	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 800		94.4	95.0	96.2	97.2	97.2	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 700		94.5	95.1	96.4	97.5	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 600		94.6	95.2	96.5	97.6	97.7	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 500		94.6	95.2	96.5	97.8	97.8	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 400		94.6	95.2	96.5	97.9	97.9	98.4	98.7	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 300		94.6	95.2	96.5	97.9	97.9	98.4	98.8	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.4
≥ 200		94.6	95.2	96.5	97.9	97.9	98.4	98.8	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.6
≥ 100		94.6	95.2	96.5	97.9	97.9	98.4	98.8	99.0	99.2	99.3	99.4	99.4	99.5	99.6	99.8
= 0		94.6	95.2	96.5	97.9	97.9	98.5	98.9	99.0	99.2	99.3	99.4	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 87484

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

a. Daily maximum temperatures
b. Daily minimum temperatures
c. Daily mean temperatures

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

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

a. Extreme maximum temperature
b. Extreme minimum temperature

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

(1) * indicates the extreme was selected from a month with one or more days missing.

(2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

E

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

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

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

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

74-29966

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 67-78 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105							.3	.2					.0
100						.2	3.2	1.9					.4
95						3.8	21.3	14.4	.7				3.3
90					.8	13.5	50.0	41.9	11.0				9.7
85					7.4	31.2	78.9	67.6	25.8	.9			17.5
80				.7	20.5	53.5	94.2	87.7	52.2	6.5			26.0
75			1.0	4.9	37.7	71.7	97.9	96.9	73.8	16.5	.5		33.0
70		.2	5.8	18.3	56.3	86.5	100.0	99.7	85.8	36.5	1.4		40.5
65	.5	3.5	18.1	40.4	73.9	95.2		100.0	96.3	62.3	8.1		49.4
60	4.8	18.2	37.6	68.7	91.8	99.0			98.7	86.6	26.0	4.6	60.9
55	23.3	40.2	66.1	88.8	98.1	100.0			100.0	96.5	56.7	19.7	73.7
50	52.8	74.2	88.7	98.5	100.0					100.0	86.7	53.1	87.6
45	81.6	93.1	98.1	99.5							98.1	80.2	95.8
40	96.3	98.6	99.5	100.0							99.8	96.0	99.2
35	99.8	99.2	100.0								100.0	99.4	99.9
30	100.0	100.0										100.0	100.0
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

USAF ETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 57-78 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

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				.3
65					.2	3.0	15.8	12.3	2.2				2.8
60					1.5	20.7	57.7	50.0	15.7	.9			12.1
55				.5	12.1	49.8	84.5	82.9	49.0	9.5	.2	.2	23.8
50	1.7	.8	3.6	8.7	41.6	77.7	99.5	96.5	77.7	34.6	4.1	1.2	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	98.5	85.1	42.2	23.4	64.8
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
MEAN	33.6	34.8	37.4	41.5	47.1	54.0	60.0	59.0	53.7	46.4	37.9	33.8	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

USAF ETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 57-78 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90								.2					.0
85							1.0	.8					.1
80						2.8	18.2	11.3	.7				2.7
75					.5	14.0	53.7	44.0	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		99.8										100.0	100.0
15		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.	5.366	5.352	5.651	5.248	6.553	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

USAF ETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

1

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

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

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57										* 73	64*	52	
58	* 57	* 69	* 71	82	86	87	100	97	92	81	69	64	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	76	83	95	101	99	84	74	65	59	101
70	57	63	66	81	88	94	98	94	95	85	76	58	98
71	57	68	62	71	75	91	100	98	93	82	66	62	100
72	55	57	68	73	89	93	96	93	82	71	64	60	96
73	57	62	64	75	86	91	98	100	93	75	69	59	100
74	61	60	73	71	91	91	100	100	87	78	66	64	100
75	62	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	66.6	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	630	650	7446

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

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

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

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 57-78 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57										* 39	32	* 27	
58	* 22	* 28	* 28	32	43	49	52	51	56	41	32	34	* 22
59	30	31	36	41	39	47	57	56	52	43	35	30	30
60	* 25	26	37	* 34	39	55	54	53	49	37	30	26	* 25
61	25	31	34	39	44	44	53	54	49	39	32	24	24
62	27	27	28	32	34	39	50	52	47	38	22	11	11
63	23	3	28	29	37	41	48	48	48	39	33	22	3
64	22	20	25	33	41	45	54	50	47	29	28	21	20
65	22	19	23	31	41	42	51	47	39	43	23	25	19
66	28	32	27	36	35	44	50	49	43	32	25	20	20
67	21	25	25	28	35	42	50	48	43	31	30	17	17
68	15	24	28	28	33	37	50	51	41	38	26	23	15
69	19	21	26	32	39	39	50	49	40	37	24	19	19
70	25	24	21	26	28	44	51	53	42	28	30	17	17
71	12	24	17	35	35	39	51	44	39	37	21	21	12
72	17	26	26	24	30	37	48	46	39	33	26	24	17
73	19	19	19	21	35	46	51	53	37	35	23	24	19
74	26	26	24	33	33	42	50	44	37	24	21	24	21
75	21	31	26	26	32	39	53	46	39	30	24	21	21
76	24	24	24	32	37	42	55	55	44	33	24	30	24
77	28	32	21	30	33	39	48	47	46	41	24	30	21
78	24	19											
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.	4.706	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 JUL 64 0-88-5 (OLA)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-78 YEARS | JAN 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
56/ 55		.3																3	3		
54/ 53		1.1	.4															14	14	7	
52/ 51	.1	1.3	.9	.2														23	23	11	9
50/ 49		2.9	1.1	.1	.1													39	39	22	20
48/ 47	.2	3.2	.9	.1	.1													42	42	36	23
46/ 45		5.9	.8	.2														64	64	39	35
44/ 43	.3	7.6	1.2	.4														89	89	74	40
42/ 41	.4	7.2	1.6	.3														83	83	89	57
40/ 39	.3	4.4	1.8	.8														68	68	79	81
38/ 37	.1	3.4	2.2	.3														56	56	61	77
36/ 35	.5	7.6	3.5	.2														111	111	59	63
34/ 33	.6	7.5	1.9															94	94	123	49
32/ 31	1.2	8.7	1.4															105	105	104	100
30/ 29	1.2	5.9	1.0															75	75	114	109
28/ 27	.8	2.2	.4															31	31	61	92
26/ 25		2.0	.3															22	22	26	75
24/ 23	.1	.2	.2															5	5	14	45
22/ 21		.4																4	4	4	23
20/ 19		.1																1	1	5	14
18/ 17		.1																1	1	2	3
16/ 15																					2
14/ 13																					10
12/ 11																					1
10/ 9																					2
TOTAL	5.9	72.3	18.9	2.7	.2													930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6583611	77805	83.7	8.946	930							
Dry Bulb	1387337	35311	38.0	7.084	930		24.4					93
Wet Bulb	1259139	33603	36.1	6.959	930		33.0					93
Dew Point	1093908	31044	33.4	7.877	930		47.6					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-78 YEARS | JAN MONTH

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
56/ 55		.6																6	6		
54/ 53		.6	.4		.2													12	12	6	
52/ 51		1.1	.1	.2														13	13	8	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	.5	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
8/ 7																					3
6/ 5																					1
TOTAL	9.4	73.0	14.9	2.4	.3													930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6665000	78278	84.2	9.066	930							
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	1029855	29991	32.2	8.215	930	.1	49.9					93

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-78 YEARS | JAN MONTH

 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														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	1.6	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	12.5	1.7	.2													928	929	928	928

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6766436	78808	84.9	8.927	928							
Dry Bulb	1271146	33542	36.1	8.047	929		34.5					93
Wet Bulb	1162115	32055	34.5	7.763	928		39.4					93
Dew Point	1016476	29644	31.9	8.661	928		50.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 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			.2	.1			.1											5	5		
56/ 55		.3	.5				.1											9	9	2	
54/ 53		1.4	.6	.5	.2	.3												30	30	5	
52/ 51		.6	.7	.5	.1													20	20	20	9
50/ 49	.2	2.4	1.5	.1	.4	.1												44	44	21	22
48/ 47	.3	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		7.8	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	60.5	30.9	11.7	3.1	.9	.2											928	929	928	928

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5829921	72661	78.3	12.319	928							
Dry Bulb	1610465	38225	41.1	6.369	929		8.6					93
Wet Bulb	1399460	35584	38.3	6.144	928		17.3					93
Dew Point	1162511	32131	34.6	7.418	928		36.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 69-78 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69													.1					1	1		
68/ 67												.1						1	1		
66/ 65								.1	.1									2	2		
64/ 63									.2									2	2		
62/ 61					.1		.1	.3										5	5		
60/ 59					.1	.2	.3	.2										8	8		
58/ 57		.1	.9	.4	.5	.6	.6	.4										34	34		
56/ 55		.2	1.6	1.1	.6	1.7	1.0	.1										61	61	4	
54/ 53		1.0	1.6	2.6	2.3	2.2	.4											93	93	14	1
52/ 51		1.2	2.2	3.0	2.7	1.4												97	97	38	10
50/ 49		1.7	4.2	3.4	3.5	1.6	.1											136	136	58	40
48/ 47		2.3	4.5	3.8	3.9	.6	.1	.1										137	137	90	30
46/ 45		2.6	3.0	3.9	2.3	.3	.1											115	115	128	41
44/ 43		2.2	1.9	3.0	2.3	.3	.1											91	91	156	66
42/ 41		1.6	1.3	1.8	.4	.2												53	53	133	64
40/ 39		1.2	1.6	1.4	.1													40	40	105	88
38/ 37		.6	.8	.1		.2												16	16	37	101
36/ 35	.2	1.0	.2		.2													18	18	59	112
34/ 33		1.2	.2	.1	.2													16	16	31	87
32/ 31		.2	.1	.1														4	4	10	98
30/ 29																				7	85
28/ 27																				6	49
26/ 25																				2	21
24/ 23																					8
22/ 21																					4
20/ 19																					4
18/ 17																					5
16/ 15																					6
14/ 13																					7
12/ 11																					1
10/ 9																					2
TOTAL	.2	17.4	24.3	24.7	19.0	9.6	2.9	1.3	.3			.1	.1						930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4217079	60945	65.5	15.501	930							
Dry Bulb	2170442	44596	48.0	5.864	930		.4	.2				93
Wet Bulb	1707955	39565	42.5	5.161	930		2.5					93
Dew Point	1262354	33670	36.2	7.289	930		29.0					93

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-76 YEARS | JAN 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
70/ 69												.1						1	1		
68/ 67											.1							1	1		
66/ 65							.1	.1	.1									3	3		
64/ 63									.4	.1								5	5		
62/ 61					.1	.2	.2	.5	.1									11	11		
60/ 59			.2	.2	.0	.6	.5	.8										29	29		
58/ 57			.3	.9	1.3	.9	1.4	1.4										57	57		
56/ 55		.1	1.2	1.3	.6	1.9	.9	.1										58	58	2	
54/ 53		1.7	2.9	2.0	1.3	2.4	.2											98	98	18	2
52/ 51	.2	.8	1.2	2.4	1.4	1.0	.2											66	66	49	14
50/ 49	.1	2.2	4.0	2.9	2.8	1.1	.1											122	122	65	25
48/ 47		1.3	3.1	2.9	3.1	1.0	.3	.1										110	110	101	35
46/ 45		3.2	4.2	2.8	2.2	.2	.2											119	119	122	57
44/ 43		2.7	2.3	3.4	2.7	.1	.1											105	105	155	51
42/ 41		1.7	2.5	1.5	.4	.2												59	59	132	89
40/ 39		.6	2.2	.5	.4													35	35	91	89
38/ 37	.2	.2	.9		.3	.1												16	16	81	108
36/ 35	.2	1.2	.2	.2	.1													18	18	57	92
34/ 33	.1	1.0	.1	.2														13	13	33	81
32/ 31	.1	.1																2	2	12	82
30/ 29			.1	.1														2	2	6	80
28/ 27																				4	56
26/ 25																				2	27
24/ 23																					16
22/ 21																					2
20/ 19																					4
18/ 17																					8
16/ 15																					7
14/ 13																					4
10/ 9																					1
TOTAL	1.0	16.8	25.3	21.4	17.6	9.7	4.3	3.0	.6	.1	.1	.1						930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4156802	60278	64.8	16.401	930							
Dry Bulb	2223582	45096	48.5	6.299	930		.4	.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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TURREJON, AP SPAIN/MADRID STATION NAME | 59-78 YEARS | JAN 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
58/ 57			.2															2	2		
56/ 55			.2	.1		.1												4	4	2	
54/ 53		1.2	1.9	.8	.1	.3												40	40	7	
52/ 51		1.8	1.8	.5	.1	.3	.1											44	44	15	11
50/ 49	.1	3.4	3.1	.6	.1	.2												71	71	43	28
48/ 47		2.7	3.9	.8	.2	.1												71	71	53	34
46/ 45		5.4	4.0	2.2	.6													113	113	62	41
44/ 43	.2	7.0	4.5	2.6	.8													140	140	94	54
42/ 41		4.5	4.6	2.3	.3													109	109	129	68
40/ 39		3.3	5.9	2.4	.1													109	109	105	80
38/ 37	.5	3.6	4.1	.8														83	83	126	94
36/ 35	.4	2.4	2.9	.1														54	54	109	96
34/ 33	.1	3.2	.9	.3														42	42	92	81
32/ 31	.3	1.8	1.0	.1														30	30	76	122
30/ 29	.1	.4	.5															10	10	19	81
28/ 27		.2	.3															5	5	15	65
26/ 25		.1																1	1	10	36
24/ 23		.1																1	1	1	12
22/ 21																				1	4
20/ 19																					8
18/ 17																					8
16/ 15																					6
TOTAL	1.0	41.2	39.9	13.5	2.4	1.1	.1											929	929	929	929

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5644234	71596	77.1	11.675	929							
Dry Bulb	1715378	39548	42.6	5.854	929		4.7					93
Wet Bulb	1403012	36730	39.5	5.762	929		9.2					93
Dew Point	1226778	33108	35.6	7.106	929		34.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14211 STATION | TORREJON AP S AIN/MADRID STATION NAME | 69-78 YEARS | JAN MONTH

 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 - [illegible]	[illegible]	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55		.4																4	4		
54/ 53		.9	.6	.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	.5	5.3	3.5	1.5														81	81	83	85
38/ 37	.2	4.7	4.6	.2														93	93	72	68
36/ 35	.2	6.2	4.4	.2														103	103	103	81
34/ 33	1.6	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	6	39
22/ 21		.2																2	2	5	15
20/ 19																				2	5
18/ 17																					5
16/ 15																					4
14/ 13																					3
TOTAL	4.1	69.7	31.3	4.3	.4													930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6246970	75714	81.4	9.445	930							
Dry Bulb	1492044	36762	39.5	6.469	930		13.2					93
Wet Bulb	1331561	34687	37.3	6.380	930		23.8					93
Dew Point	1136899	31793	34.2	7.338	930		42.4					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — JAN MONTH

PAGE 1 — ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69											.0	.0	.0					3	3		
68/ 67											.0	.0						2	2		
66/ 65							.0	.0	.0									5	5		
64/ 63									.1	.0								7	7		
62/ 61					.0	.0	.0	.1	.0									16	16		
60/ 59			.0	.0	.1	.1	.1	.1										37	37		
58/ 57		.0	.2	.2	.2	.2	.3	.2										98	98		
56/ 55		.3	.5	.3	.2	.5	.2	.0										150	150	10	
54/ 53		1.1	1.2	.8	.5	.6	.1											319	319	67	3
52/ 51	.1	1.2	1.1	.9	.5	.2	.0											305	305	171	75
50/ 49	.1	2.5	2.0	1.0	.7	.4	.0											512	512	271	189
48/ 47	.1	2.6	2.2	1.1	.9	.2	.1	.0										541	541	416	203
46/ 45	.2	4.4	2.1	1.3	.7	.1	.0											656	656	537	287
44/ 43	.2	5.7	2.2	1.6	.8	.1	.0											798	798	719	374
42/ 41	.2	5.7	2.5	1.2	.2	.1												739	739	879	547
40/ 39	.3	3.7	2.9	1.0	.1	.0												601	601	736	653
38/ 37	.3	3.2	2.4	.3	.1	.0												478	478	683	712
36/ 35	.3	4.3	2.2	.2	.1													532	532	613	657
34/ 33	.4	4.3	1.3	.1	.0													465	465	668	552
32/ 31	.4	4.0	.0	.1														396	397	489	704
30/ 29	.0	3.3	.4	.0														322	322	506	689
28/ 27	.7	2.0	.2	.0														223	223	317	632
26/ 25	.4	1.2	.1															131	131	196	420
24/ 23	.1	.5	.1															54	54	76	336
22/ 21	.1	.2	.0															26	26	44	149
20/ 19		.1																8	9	20	85
18/ 17	.0	.0	.0															3	3	8	60
16/ 15		.1	.0															5	5	1	35
14/ 13		.0																2	2	5	38
12/ 11		.0																1	1	3	12
10/ 9																					16
8/ 7																					4
6/ 5																					1
4/ 3																					1

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-76 YEARS | JAN MONTH

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
0/ -1																					1
TOTAL	4.5	50.6	24.8	10.3	5.4	2.6	.7	.5	.1	.0	.0	.0	.0						7437		7435
																		7435		7435	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	46110053	576085	77.5	14.078	7435							
Dry Bulb	13173081	307177	41.3	8.080	7437		117.3	.5				744
Wet Bulb	11262639	284581	38.3	7.055	7435		166.6					744
Dew Point	9211236	255144	34.3	7.928	7435	.1	318.5					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59						.1												1	1		
58/ 57						.2												2	2		
56/ 55		.6																7	7	3	
54/ 53	.5	.4	.4	.1														11	11	9	9
52/ 51	.1	.9	.5	.4														16	16	3	4
50/ 49		2.0	1.2	.7														33	33	16	9
48/ 47	.2	2.6	1.6	.8														46	46	29	18
46/ 45	1.1	4.5	1.9	.7														69	69	42	30
44/ 43	.7	3.6	1.9	1.5	.6													72	72	67	36
42/ 41	.2	4.6	1.9	.2	.2													61	61	59	26
40/ 39	.7	4.3	3.9	.7	.2													83	83	76	63
38/ 37	.7	6.0	3.6	.7	.4													98	98	78	76
36/ 35	.9	7.3	4.0	.4	.1													108	108	108	77
34/ 33	.2	4.7	4.4	.1	.1													81	81	97	79
32/ 31	.1	7.0	3.4															89	89	93	98
30/ 29	.6	2.1	1.4															37	37	89	68
28/ 27	.6	.7	.4	.1														17	17	45	75
26/ 25	.1	.9																9	9	17	66
24/ 23	.1	.6																6	6	10	54
22/ 21																				5	24
20/ 19																					19
18/ 17																					8
16/ 15																					3
14/ 13																					2
12/ 11																					1
10/ 9																					1
TOTAL	7.4	53.3	30.7	6.5	1.7	.4												846	846	846	846

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5567067	67929	80.3	11.551	846							
Dry Bulb	1310222	32828	38.8	6.561	846		15.7					84
Wet Bulb	1150989	30831	36.4	6.473	846		25.7					84
Dew Point	972924	27944	33.0	7.686	846		41.6					84

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — FEB MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TC D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
56/ 55		.7		.1														7	7	1	
54/ 53			.2	.2														4	4	5	3
52/ 51	.5	.5	.5															12	12	4	7
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.	.7														57	57	48	36
42/ 41	.6	6.1	3.1	.6	.5													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	.6	5.3	2.7	.2														75	75	66	71
34/ 33	1.9	5.1	2.7	.5	.1													87	87	99	63
32/ 31	.2	5.8	2.0		.2													70	70	72	65
30/ 29	.6	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
16/ 15																					3
14/ 13																					1
8/ 7																					2
6/ 5																					1
TOTAL	10.5	59.2	24.9	3.9	1.4													846	846	846	846

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5798897	69443	82.1	10.810	846							
Dry Bulb	1208518	31396	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	8.176	846		45.0					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 69-78 YEARS | FEB 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		.5																4	4	2	
54/ 53		.2	.1	.1														4	4	3	3
52/ 51		1.1	.3															13	13	3	3
50/ 49	.1	2.7	.5		.1													29	29	23	13
48/ 47	.4	3.0	1.5		.1	.1												43	43	21	24
46/ 45	1.1	3.5	1.1	.2	.4													53	53	38	27
44/ 43	1.1	3.7	1.2	.7	.2													58	58	54	34
42/ 41	.5	4.3	1.1	.5														53	53	48	30
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	1.3	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	6.7	.9															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
16/ 15																					8
14/ 13																					1
12/ 11																					1
10/ 9																					1
TOTAL	11.6	64.5	20.2	2.5	1.1	.1												846	846	846	846

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5949689	70405	83.2	10.350	846							
Dry Bulb	1186776	31078	36.7	7.307	846		27.8					84
Wet Bulb	1073696	29522	34.9	7.175	846		33.7					84
Dew Point	922853	27055	32.0	8.259	846		45.1					84

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — FEB 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
60/ 59			.1			.2			.1									4	4		
58/ 57		.4	.1	.4			.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	8
52/ 51	.1	1.7	1.1	.9	.6	.1	.2											43	43	18	8
50/ 49		1.2	2.0	1.2	1.2	.5												56	56	20	13
48/ 47	.7	2.1	3.2	2.5	2.0	.4												92	92	49	22
46/ 45	.8	4.0	2.8	4.1	1.7	.1												115	115	70	33
44/ 43	.6	3.4	3.9	3.3	1.4	.1												108	108	82	52
42/ 41	.5	5.0	4.3	2.1	1.5	.2												115	115	111	63
40/ 39	1.3	3.9	3.7	1.8	.6													95	95	133	72
38/ 37	.5	3.1	2.8	1.4	.4													69	69	105	84
36/ 35	.1	1.5	2.0	1.4	.1													44	44	86	95
34/ 33		1.3	2.0	.1														29	29	59	74
32/ 31		.3	.7	.1														14	14	49	78
30/ 29		.6	.2															7	7	35	66
28/ 27	.1	.4	.1															5	5	13	51
26/ 25		.1																1	1	3	40
24/ 23																				1	42
22/ 21																					19
20/ 19																					19
18/ 17																					5
16/ 15																					1
14/ 13																					1
TOTAL	4.0	30.5	31.2	20.9	9.9	1.9	.5	.1	.1									846	846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4714020	61886	73.2	14.875	846							84
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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — FEB 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
68/ 67						.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	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	
54/ 53		.8	1.7	3.1	2.8	2.4	1.3	.6										107	107	9	11
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	2.6	.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	.6	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	.2	1.2	.5												26	26	133	64
40/ 39		.4	.4	.6	.6													20	20	98	64
38/ 37			.1	.1														2	2	34	85
36/ 35	.2	.1	.1	.1														5	5	42	83
34/ 33																				29	52
32/ 31																				6	103
30/ 29																					48
28/ 27																					43
26/ 25																					30
24/ 23																					40
22/ 21																					17
20/ 19																					16
18/ 17																					8
16/ 15																					4
14/ 13																					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^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3179459	49853	58.9	16.914	846							
Dry Bulb	2186827	42759	50.6	5.403	846			.3				84
Wet Bulb	1631702	36922	43.6	4.903	846		.6					84
Dew Point	1130252	30160	35.7	7.966	846		30.8					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 59-78 YEARS | FEB MONTH

1500-1700 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	≥ 31				
68/ 67							.1	.1			.2		.1					5	5		
66/ 65							.4	.2		.1			.1					7	7		
64/ 63						.1	.9	.4	.4	.1	.2	.1						19	19		
62/ 61				.1	.1	.2	.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	3.0	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	3.5	.8	.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	.2	.5	1.1	.2												26	26	121	69
40/ 39				.1	.9													9	9	77	70
38/ 37		.1	.1	.4														5	5	41	99
36/ 35		.4																3	3	30	71
34/ 33	.1																	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	.6	8.4	11.1	15.5	21.5	21.4	11.5	5.6	2.0	1.1	.8	.1	.2						846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2350610	46676	55.4	17.312	846							
Dry Bulb	2300788	43846	51.8	5.794	846			.5				84
Wet Bulb	1650838	37246	44.0	4.871	846		1.0					84
Dew Point	1097552	29682	35.1	8.152	846		31.5					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 59-78 YEARS | FEB MONTH

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
64/ 63							.1											1	1		
62/ 61						.1												1	1		
60/ 59					.1	.1												2	2		
58/ 57		.5			.9	.1	.1		.1									15	15	1	
56/ 55		1.3	.1	.1	.7	.5	.2	.1										26	26	6	1
54/ 53		.6	1.2	1.8	.7	1.1	.2	.4										50	50	11	10
52/ 51		.9	2.7	2.0	1.4	.1	.5											65	65	12	8
50/ 49		1.3	3.4	3.5	2.7	.6	.2											100	100	38	9
48/ 47	.5	2.7	5.0	2.3	.9	1.1	.1											111	111	62	26
46/ 45	.4	4.1	4.6	3.4	1.4	.6												123	123	95	41
44/ 43	.4	3.2	4.4	3.9	.6	.4												110	110	124	66
42/ 41		2.2	5.0	2.0	.7	.1												85	85	124	53
40/ 39		.7	3.4	2.0	.4	.1												56	56	100	75
38/ 37		1.3	2.1	.6	.7													40	40	96	84
36/ 35		.1	2.2	.6	.1													26	26	74	104
34/ 33	.1	.4	1.7	.6														23	23	43	78
32/ 31		.2	.6															9	9	27	87
30/ 29		.2																2	2	22	49
28/ 27	.1																	1	1	11	50
26/ 25																					41
24/ 23																					25
22/ 21																					17
20/ 19																					9
18/ 17																					7
16/ 15																					5
14/ 13																					1
TOTAL	1.4	19.9	36.6	23.4	11.7	4.8	1.5	.5	.1									846	846	846	846

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4220443	58601	69.3	14.194	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	1109773	29979	35.4	7.402	846		28.9					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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	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	7
52/ 51	.1	1.4	.9	.2	.2	.1		.1										27	27	6	5
50/ 49	.1	1.3	1.9	.7	.5													38	38	23	10
48/ 47	.1	2.7	2.6	1.2	.2	.2												60	60	29	13
46/ 45	.5	4.1	3.2	3.0	.7	.1												98	98	56	24
44/ 43	.8	4.3	4.0	2.0	.6	.1												100	100	75	47
42/ 41	.5	5.8	4.4	2.8	1.3													125	125	102	70
40/ 39	.1	3.2	5.3	1.1	.2	.1												85	85	95	52
38/ 37	.5	4.5	3.4	.7	.1													78	78	96	92
36/ 35		3.7	4.7	.6														76	76	106	81
34/ 33	.2	3.1	3.0	.4														56	56	88	79
32/ 31	.1	1.9	2.2	.7														42	42	66	78
30/ 29		1.1	.5	.1														14	14	51	68
28/ 27	.5	.7	.0															15	15	26	71
26/ 25																				13	54
24/ 23	.1	.1																2	2	3	45
22/ 21																				1	24
20/ 19																					12
18/ 17																					7
16/ 15																					3
14/ 13																					4
TOTAL	3.7	39.4	30.9	14.3	4.4	.7	.1	.4	.1	.1									846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5039968	64348	76.1	13.125	846							
Dry Bulb	1468086	34842	41.2	6.262	846		7.2					84
Wet Bulb	1254192	32200	38.1	6.019	846		15.9					84
Dew Point	1014[illegible]28	28642	33.9	7.475	846		36.3					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 69-78 YEARS — FEB MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
68/ 67						.0	.0	.0			.0	.0	.0					8	8		
66/ 65						.0	.1	.0		.0			.0					10	10		
64/ 63					.0	.0	.2	.1	.1	.0	.0	.0						32	32		
62/ 61			.0	.1	.0	.1	.1	.2	.1	.0	.0							50	50		
60/ 59		.0	.1	.0	.1	.3	.4	.1	.1	.1	.0							91	91		
58/ 57		.4	.1	.3	.5	.4	.3	.1	.1	.0								148	148	5	
56/ 55		.6	.2	.5	.6	.7	.4	.2	.0									225	225	50	3
54/ 53	.1	.4	.6	1.1	.8	1.0	.3	.2										316	316	68	63
52/ 51	.1	1.0	1.2	.9	1.3	.6	.4	.0										389	389	129	47
50/ 49	.1	1.6	2.0	1.6	1.9	.9	.2	.0										571	571	267	85
48/ 47	.3	2.4	2.5	1.5	1.1	.7	.1	.0										586	586	444	182
46/ 45	.7	3.4	2.2	1.8	1.0	.4	.1											644	644	575	286
44/ 43	.7	3.1	2.3	1.8	.8	.3	.0											611	611	763	399
42/ 41	.3	3.8	2.5	1.1	.8	.1												583	583	757	408
40/ 39	.4	3.0	2.9	.9	.4	.0												513	513	713	494
38/ 37	.3	3.0	2.2	.7	.2													445	445	627	668
36/ 35	.4	2.8	2.2	.4	.0													398	398	588	653
34/ 33	.5	2.4	2.0	.2	.0													352	352	516	548
32/ 31	.1	2.9	1.5	.1	.1													319	319	386	661
30/ 29	.3	2.1	.5	.0														200	200	393	502
28/ 27	.5	1.2	.3	.0														139	139	246	474
26/ 25	.3	.9																79	79	128	411
24/ 23	.1	.6																48	48	72	376
22/ 21	.0	.1																8	8	34	208
20/ 19	.0	.0																3	3	7	160
18/ 17																					84
16/ 15																					35
14/ 13																					13
12/ 11																					3
10/ 9																					2
8/ 7																					2
6/ 5																					1
TOTAL	5.2	35.8	25.6	13.1	9.8	5.9	2.7	1.1	.4	.2	.1	.0	.0					6768	6768	6768	6768

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	37329153	489341	72.3	16.970	6768							
Dry Bulb	13056931	291389	43.1	8.320	6768		79.0	.8				672
Wet Bulb	10669372	264640	39.1	6.893	6768		125.7					672
Dew Point	8245581	229989	34.0	7.973	6768		291.1					672

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 68-77 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.	Dry Bulb	Wet Bulb	Dew Point
56/ 55			.1				.2											3	3		
54/ 53		.2	.2	.1	.1	.1												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	6
48/ 47	.1	3.4	4.6	1.2	.6													93	93	44	23
46/ 45	.2	4.3	2.6	1.4	.6													85	85	80	32
44/ 43	.3	6.0	2.0	2.2	.3													101	101	92	57
42/ 41	.2	5.9	2.7	1.4	.1													96	96	109	53
40/ 39	.3	3.3	3.3	2.5	.1													89	89	95	99
38/ 37	.4	3.8	3.9	1.8	.2													94	94	91	96
36/ 35	.1	3.4	4.5	.9	.1													84	84	88	66
34/ 33	.1	1.3	4.8	.3	.1													62	62	101	60
32/ 31	.4	2.6	3.9	.3		.1												68	68	76	103
30/ 29	.3	1.6	.5	.3														28	28	68	75
28/ 27		.5	.6	.1	.1													13	13	37	66
26/ 25		.5		.1														6	6	13	70
24/ 23		.1																1	1	15	63
22/ 21																				1	19
20/ 19																				2	12
18/ 17																					12
16/ 15																					4
14/ 13																					7
12/ 11																					2
10/ 9																					1
8/ 7																					1
0/ -1																					3
TOTAL	2.6	40.1	89.9	13.5	3.0	.6	.2											930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5471114	70416	75.7	12.253	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

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							93
Dry Bulb		11.6					93
Wet Bulb		21.2					93
Dew Point	.3	43.8					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
56/ 55							.1											1	1		
54/ 53			.1			.1												2	2		
52/ 51		.2	.6															8	8	1	
50/ 49		2.2	1.5	.1	.2	.1												38	36	8	1
48/ 47		2.8	2.2	.3	.1													50	50	29	12
46/ 45	.3	6.2	1.2	.5	.1													78	78	53	28
44/ 43	.2	5.5	1.6	.8	.3													78	78	78	45
42/ 41	.2	6.2	3.3	1.2	.4													106	106	88	63
40/ 39	.3	5.9	4.1	1.3														108	108	70	69
38/ 37	.4	4.9	2.4	2.3														93	93	92	83
36/ 35	.4	4.9	3.0	.3	.1													82	82	104	89
34/ 33	.1	4.2	3.1	.2	.2													73	73	66	66
32/ 31	.1	4.9	3.1	.1														77	77	91	66
30/ 29	.2	4.1	1.6															49	49	88	75
28/ 27	.6	3.0	.6	.2														43	43	71	71
26/ 25	.3	1.5	.1	.3														21	21	30	61
24/ 23	.1	1.4	.3	.1														18	18	18	111
22/ 21	.1	.3	.1															5	5	16	35
20/ 19																				5	22
18/ 17																				2	10
16/ 15																					4
14/ 13																					6
12/ 11																					6
10/ 9																					2
8/ 7																					2
0/ -1																					3
TOTAL	3.5	58.4	28.5	7.7	1.5	.2	.1											930	930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5908314	73382	78.9	11.274	930							
Dry Bulb	1391490	35424	38.1	6.738	930		21.3					93
Wet Bulb	1221762	33140	35.6	6.630	930		32.1					93
Dew Point	1006808	29672	31.9	8.044	930	.3	47.4					93

USAFETAC FORM 0-26-5 (OL A) 82-44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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	5.3	53.3	31.4	8.0	1.9	.1													930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5961846	73688	79.2	11.517	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	8.078	930	.1	45.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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									.3									3	3		
62/ 61				.3	.3	.1	.1	.4	.2									14	14		
60/ 59				.4	.6	.3	.1		.1									15	15		
58/ 57			.1	.9	1.0	1.1	.3	.1										32	32		
56/ 55			1.4	1.3	1.8	.8	1.0		.1									59	59	3	
54/ 53		.2	1.5	2.6	1.8	1.1	.3		.1									71	71	18	
52/ 51		.4	2.4	1.0	2.5	.9	.3	.2										71	71	31	3
50/ 49		1.2	4.5	2.2	3.1	1.6	.5											122	122	50	22
48/ 47	.1	1.5	3.4	2.4	2.3	1.3	.1	.1										104	104	102	35
46/ 45		2.4	2.8	4.1	3.3	1.2	.3		.1									132	132	102	43
44/ 43	.1	2.5	2.0	2.6	2.5	.1												101	101	119	57
42/ 41	.1	2.2	3.2	2.2	1.9	.6	.4	.1										100	100	114	95
40/ 39	.1	.5	1.8	1.3	.5	.2												42	42	112	95
38/ 37	.1	.3	1.2	1.1		.1	.1											27	27	109	68
36/ 35	.1	.4	.9	.2	.1													16	16	69	78
34/ 33	.2	.2	.8	.1	.2													14	14	53	90
32/ 31			.1	.1		.1												3	3	24	61
30/ 29		.2																2	2	15	70
28/ 27																				5	54
26/ 25																				3	46
24/ 23																				1	63
22/ 21																					16
20/ 19																					12
18/ 17																					3
16/ 15																					1
14/ 13																					7
12/ 11																					2
10/ 9																					3
8/ 7																					1
4/ 3																					1
2/ 1																					3
-2/ -3																					1

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.9	12.0	26.1	22.6	23.1	9.5	3.7	1.2	1.0								930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3958704	58898	63.3	15.687	930							
Dry Bulb	2123624	44072	47.4	6.145	930		.5					93
Wet Bulb	1647044	38764	41.7	5.647	930		4.8					93
Dew Point	1186622	32308	34.7	8.316	930	.1	34.4					93

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

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 D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79													.1					1	1		
74/ 73									.2		.1	.2						5	5		
72/ 71							.1	.1				.1						3	3		
70/ 69							.1	.2	.1	.1	.4	.1						10	10		
68/ 67					.2	.4	.1	.1	.3	.2	.2							15	15		
66/ 65					.1	.9	.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	1.3	1.7	1.2	.8	.2	.1	.1							53	53	4	
58/ 57		.1		1.6	2.5	2.3	1.7	1.3	.1	.3								92	92	14	
56/ 55			.3	1.4	3.4	1.3	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	5
52/ 51		.3	.[illegible]	2.2	2.7	3.1	1.6	.3		.1								101	101	69	8
50/ 49		.4	1	.5	3.4	4.2	2.4	.4		.2								144	144	93	29
48/ 47		.4	2	5	1.7	2.3	.5	.2										84	84	114	42
46/ 45		.4	.[illegible]	.0	.8	1.4	.2		.2									43	43	110	47
44/ 43		.3	.3	.2	.5	.1	.4	.1	.1									20	20	155	57
42/ 41		.2	.5	.2	.1													10	10	114	69
40/ 39		.1	.2	.1														4	4	85	90
38/ 37		.1	.3															4	4	59	70
36/ 35		.3	.1															4	4	25	65
34/ 33																				14	62
32/ 31	.1	.1																2	2	6	109
30/ 29																				3	67
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)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) MAR (MONTH)

PAGE 2 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
8/ 7																					1
0/ -1																					5
-2/ -3																					1
TOTAL	.1	3.2	8.1	12.2	21.2	23.1	16.5	6.4	3.4	2.5	.9	.4	.1					930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2615130	47108	50.7	15.698	930							
Dry Bulb	2750854	50214	54.0	6.531	930		.2	3.4	.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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6		9 - 10	11 - 12	13 - 14	15 - 16	17 - 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													.1					1	1		
78/ 77												.1	.1					2	2		
76/ 75											.1		.3					4	4		
74/ 73								.1	.1	.1	.4							7	7		
72/ 71								.2	.3	.1	.1	.3	.2					12	12		
70/ 69								.5	.3		.5	.1						14	14		
68/ 67							.4	.3	.3	.2	.1							13	13		
66/ 65						.8	.9	1.0	.1	.5	.3							33	33		
64/ 63						.8	1.2	.6	1.2	.4	.1							40	40		
62/ 61					.9	1.6	1.2	1.8	1.3	.2								65	65		
60/ 59			.1	.2	1.7	2.5	2.5	2.5	.4	.1	.2							95	95	1	
58/ 57			.1	.4	2.2	1.5	2.4	2.0	1.3	.1								93	93	7	
56/ 55			1.1	1.3	1.3	1.7	3.0	1.9	.8	.2								105	105	26	
54/ 53		.2	.2	1.4	2.6	3.3	2.7	1.0	.1	.2	.1							110	110	47	
52/ 51			.5	1.2	1.4	1.4	1.5	1.0	.3	.1								69	69	79	1
50/ 49		.3	2.3	1.8	2.5	2.8	1.7	1.5	.1									121	121	89	19
48/ 47		.1	.8	1.3	1.0	2.3	.4	.1										55	55	115	31
46/ 45	.1	.8	.4	.8	1.0	.6	.1	.2	.2									39	39	128	48
44/ 43		.8	.6	.3	.6	.1												23	23	133	57
42/ 41		.1	.8	.2	.2	.1												13	13	120	95
40/ 39		.3	.3															6	6	78	71
38/ 37		.2	.1															3	3	65	60
36/ 35		.2	.1															3	3	25	76
34/ 33		.4																4	4	9	69
32/ 31																				8	77
30/ 29																					73
28/ 27																					71
26/ 25																					57
24/ 23																					54
22/ 21																					49
20/ 19																					22
18/ 17																					8
16/ 15																					7
14/ 13																					4

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB 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 D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2363991	44265	47.6	16.636	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
74/ 73											.1		.1					2	2		
70/ 69									.2		.1							3	3		
68/ 67								.2	.1	.3								6	6		
66/ 65				.1		.1	.2		.1	.3								8	8		
64/ 63				.1	.3	.3	.2	.1	.1		.1							12	12		
62/ 61				.1	.4	.4	1.0	.0	.2									26	26		
60/ 59				.6	.3	.2	.3	.3	.3									20	20	1	
58/ 57			.4	1.2	1.2	1.4	.8	.4	.2									52	52	1	
56/ 55			1.3	1.3	1.8	1.6	1.1	.1	.1									68	68	5	
54/ 53		.6	1.4	3.1	1.9	1.3	.8	.3										88	88	34	1
52/ 51		.2	1.0	2.2	1.2	1.7	.5	.1										64	64	40	3
50/ 49		1.6	5.9	2.8	2.9	2.9	.6											156	157	66	34
48/ 47	.1	1.0	3.3	2.4	3.0	2.2		.2										113	113	111	38
46/ 45	.1	1.6	2.5	2.5	3.1	1.2	.1											103	103	125	49
44/ 43	.1	1.5	1.5	1.9	1.7	.3	.4	.1										71	71	121	64
42/ 41	.1	.5	1.8	1.7	1.1	.3	.1											53	53	99	75
40/ 39		1.1	1.0	1.4	.8	.1												40	40	107	95
38/ 37		.9	.8	.5	.2	.2												24	24	94	79
36/ 35		.3	.4	.3		.1												11	11	61	67
34/ 33		.6	.3															9	9	29	78
32/ 31																				29	107
30/ 29																				3	54
28/ 27																				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)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 48-77 YEARS | MAR MONTH

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
TOTAL	.4	10.0	21.6	22.3	20.0	14.4	6.1	2.6	1.4	.6	.3		.1					929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.	3670920	56382	60.7	16.382	929
Dry Bulb	2308577	45913	49.4	6.716	930
Wet Bulb	1738477	39849	42.9	5.607	929
Dew Point	1221712	32838	35.3	8.105	929

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			1.1	.2			93
Wet Bulb		3.5					93
Dew Point		34.6					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
62/ 61									.1	.1								2	2		
58/ 57				.1	.1			.2										4	4		
56/ 55			.3	.6	.3	.2	.4											18	18		
54/ 53		.4	1.1	2.0	.4	.6	.3											46	46	1	
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	11
48/ 47	.1	2.4	4.7	1.9	1.7	.1												102	102	86	15
46/ 45	.1	4.0	3.3	1.5	1.1	.1												94	94	81	54
44/ 43	.3	4.8	3.2	2.6	1.4	.1												116	116	122	53
42/ 41	.3	4.2	5.8	3.3	1.0	.3												139	139	125	90
40/ 39	.2	1.2	3.1	3.4	1.0	.1												84	84	89	104
38/ 37		1.8	3.6	1.6	.2	.1												68	68	100	88
36/ 35	.1	1.3	3.3	1.4	.1													58	58	90	54
34/ 33	.2	.5	1.7	.8	.3	.1												34	34	83	84
32/ 31	.1	.5	1.1		.1	.1												3	18	60	77
30/ 29		.2	.2	.1														5	5	34	66
28/ 27		.1	.1															2	2	13	70
26/ 25																				9	60
24/ 23																				2	48
22/ 21																					18
20/ 19																					8
18/ 17																					14
16/ 15																					5
14/ 13																					1
12/ 11																					2
10/ 9																					3
8/ 7																					1
6/ 5																					1
4/ 3																					1
2/ 1																					1
TOTAL	1.6	23.6	38.6	22.6	9.7	2.7	.8	.2	.1	.1								929	929	929	929

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4789185	65465	70.5	13.771	929							
Dry Bulb	1806906	40594	43.7	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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 — ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79													.0					2	2		
78/ 77												.0	.0					2	2		
76/ 75											.0		.0					4	4		
74/ 73								.0	.0	.0	.1	.0	.0					14	14		
72/ 71							.0	.0	.0	.0	.0	.1	.0					15	15		
70/ 69							.0	.1	.1	.0	.1	.0						27	27		
68/ 67					.0	.1	.1	.1	.1	.1	.0							34	34		
66/ 65				.0	.0	.2	.2	.2	.1	.2	.0							67	67		
64/ 63				.1	.1	.3	.3	.2	.2	.1	.0							90	90		
62/ 61				.1	.4	.5	.4	.6	.3	.1								173	173		
60/ 59			.0	.2	.5	.6	.5	.4	.1	.0	.0							183	183	6	
58/ 57		.0	.1	.5	.9	.8	.6	.5	.2	.1								273	273	22	
56/ 55			.6	.8	1.1	.7	1.1	.4	.2	.1								359	359	48	
54/ 53		.3	.6	1.3	1.2	1.1	.9	.3	.1	.0	.0							430	430	152	6
52/ 51		.3	1.4	1.0	1.1	1.0	.5	.2	.0	.0								405	405	235	15
50/ 49	.0	1.7	3.3	1.5	1.8	1.5	.7	.2	.0	.0								801	802	354	127
48/ 47	.1	1.9	3.1	1.4	1.3	1.0	.1	.1										671	671	644	212
46/ 45	.1	3.0	1.9	1.6	1.3	.6	.1	.0	.1									641	641	734	348
44/ 43	.2	3.3	1.7	1.4	1.1	.1	.1	.0	.0									594	594	902	436
42/ 41	.2	3.0	2.6	1.3	.6	.2	.1	.0										591	591	849	584
40/ 39	.1	2.1	2.2	1.5	.3	.1												469	469	710	687
38/ 37	.2	2.2	1.9	1.1	.1	.1	.0											416	416	698	630
36/ 35	.2	2.0	2.1	.4	.1	.0												350	350	565	568
34/ 33	.1	1.3	1.8	.2	.1	.0												265	265	474	601
32/ 31	.2	1.6	1.4	.1	.0	.0												249	249	379	682
30/ 29	.1	1.2	.3	.1														126	126	292	542
28/ 27	.2	.7	.3	.1	.0													91	91	182	527
26/ 25	.1	.5	.1	.1														50	50	93	466
24/ 23	.0	.3	.1	.0														32	32	54	503
22/ 21	.0	.1	.0															11	11	26	150
20/ 19		.0																2	2	14	126
18/ 17			.0															1	1	4	76
16/ 15																					31
14/ 13																				1	37

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
12/ 11																				21
10/ 9																				17
8/ 7																				16
6/ 5																				3
4/ 3																				4
2/ 1																				9
0/ -1																				12
-2/ -3																				2
TOTAL	1.8	25.5	25.2	14.7	12.0	8.8	5.7	3.4	1.6	.7	.4	.1	.1				7438	7439	7438	7438

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34739204	489604	65.8	18.376	7438							
Dry Bulb	16246325	341049	45.8	9.060	7439		56.2	9.8	2.2			744
Wet Bulb	12517276	300762	40.4	6.916	7438		104.5					744
Dew Point	9027510	251694	33.8	8.285	7430	1.4	322.5					744

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

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	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 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					.2		.1											3	3		
60/ 59				.2	.1													3	3		
58/ 57		.5	.7	.4	.9	.4												23	23		
56/ 55			1.0	.7	1.0	.4												25	25	7	
54/ 53		1.1	1.7	2.0	1.5													51	51	14	4
52/ 51		2.1	3.2	1.6	.4	.1												60	60	27	8
50/ 49		2.9	7.3	2.8	1.8	.9												129	129	58	38
48/ 47		2.2	5.5	2.0	1.5	.1												92	92	80	42
46/ 45	.1	3.4	4.0	1.3	2.2													91	91	96	43
44/ 43	.2	3.9	3.5	2.7	1.3													96	96	107	65
42/ 41	.1	4.9	3.5	2.0	.4													89	89	88	77
40/ 39		1.7	3.9	1.7	.6													65	65	99	84
38/ 37		1.6	1.5	.7														31	31	91	96
36/ 35		.7	2.1	.4														26	26	61	82
34/ 33		.6	1.2	.2														17	17	39	42
32/ 31		.4	.7															9	9	27	76
30/ 29	.1	.2	.1															4	4	13	55
28/ 27		.5																4	4	6	42
26/ 25		.1																1	1	5	28
24/ 23																				1	18
22/ 21																					11
20/ 19																					8
TOTAL	.6	26.9	40.0	18.7	11.8	1.8	.1												819		819
																		819		819	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4459347	59621	72.8	12.066	819							90
Dry Bulb	1739531	37407	45.7	6.156	819		2.0					90
Wet Bulb	1457088	34208	41.8	5.881	819		5.7					90
Dew Point	1171923	30405	37.1	7.263	819		26.2					90

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

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 | 0300-0500 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	≥ 31					
60/ 59							.1												1	1		
58/ 57				.1	.2	.1													4	4		
56/ 55	.2	.5	.8	.2	.4	.2													20	20	2	2
54/ 53		.6	1.4	.5	.2	.1													24	24	4	2
52/ 51		2.0	2.9	1.1															50	50	19	2
50/ 49		2.6	3.2	1.0	.1														58	58	37	21
48/ 47		2.4	5.5	.8	.4														76	76	62	33
46/ 45		5.8	2.5	1.0	.7														83	83	66	39
44/ 43		5.8	2.8	1.1	.7														86	86	96	44
42/ 41	.1	6.1	6.2	1.8	.7														125	125	91	98
40/ 39	.1	4.6	5.2	1.8															97	97	75	88
38/ 37	.1	3.1	3.6	.8															64	64	108	75
36/ 35	.1	2.6	2.9	.2															49	49	86	98
34/ 33	.2	2.5	2.8																46	46	71	59
32/ 31		1.2	.6																15	15	45	41
30/ 29		1.7	.4																17	17	36	65
28/ 27	.2	.5	.1																7	7	20	61
26/ 25	.1	.7																	7	7	9	47
24/ 23		.2																	2	2	4	36
22/ 21		.2																	2	2	1	14
20/ 19																					1	5
18/ 17																						3
TOTAL	1.3	43.2	40.9	10.4	3.5	.5	.1												833	833		833
																			833		833	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5104753	64605	77.6	10.640	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
64/ 63				.1														1	1		
62/ 61			.2	.1	.2	.1												6	6		
60/ 59		.1	.3	.2														6	6		
58/ 57		.1	.6	.6	.1	.1												13	13	5	
56/ 55	.1	.9	2.1	.7	.6	.2	.1											42	42	7	2
54/ 53		1.3	1.6	1.7	.6	.4												50	50	25	9
52/ 51		1.9	2.3	1.2	.7	.1												56	56	37	12
50/ 49		3.3	6.2	1.9	1.4	.4	.1											121	121	52	54
48/ 47		3.6	6.2	1.8	1.7	.3												122	122	68	38
46/ 45	.1	5.2	2.8	1.3	1.4													98	98	113	57
44/ 43	.1	3.4	2.7	1.1	1.1													76	76	125	68
42/ 41	.2	3.6	4.0	1.6	.6													89	89	87	85
40/ 39	.1	2.9	3.3	1.8	.2													75	75	93	88
38/ 37		2.1	2.2	.7														45	45	91	91
36/ 35	.2	1.4	2.1	.4														38	38	66	86
34/ 33		1.4	1.9	.2														32	32	53	57
32/ 31		.7	.8															13	13	41	64
30/ 29	.1	.2	.2															5	5	17	57
28/ 27		.9																8	8	9	50
26/ 25		.2																2	2	8	42
24/ 23																				1	21
22/ 21		.1																1	1	1	12
20/ 19																					2
18/ 17																					4
TOTAL	1.0	33.5	39.6	15.4	8.6	1.8	.2											899	899		899
																		899		899	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5172439	67339	74.9	11.960	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	33610	37.4	7.632	899		25.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
74/ 73							.1											1	1		
72/ 71							.2	.1										3	3		
70/ 69						.1		.2	.1	.1	.1							6	6		
68/ 67					.1	.7		.3		.2								12	12		
66/ 65			.1	.1	.4	1.6	.3	.4	.1	.2	.1							31	31		
64/ 63				.8	1.7	.4	1.3	.2	.3	.1								44	44		
62/ 61			.2	1.3	.9	1.3	1.2	.4										49	49	2	
60/ 59		.1	.3	2.2	2.1	2.1	1.3	.8										81	81	8	
58/ 57		.1	1.6	1.2	3.1	3.0	1.2											92	92	29	1
56/ 55		.1	1.9	1.9	4.1	2.8	1.0											106	106	53	6
54/ 53		.1	1.6	5.2	2.9	4.1	1.2	.4										140	140	46	16
52/ 51		.8	1.7	2.2	2.0	1.7	.2											77	77	87	28
50/ 49		.2	3.8	2.2	2.3	1.9	.9	.2										104	104	107	71
48/ 47		1.0	1.9	1.2	1.7	1.8	.2											70	70	157	43
46/ 45		.6	1.3	.2	1.1	.7	.1											36	36	138	52
44/ 43		.4	.3	.9	1.1	.2												27	27	103	90
42/ 41		.6	.3	.1	.4													13	13	61	131
40/ 39			.2	.2	.3													7	7	50	105
38/ 37				.1														1	1	34	68
36/ 35																				16	61
34/ 33																				5	58
32/ 31																				4	36
30/ 29																					42
28/ 27																					27
26/ 25																					28
24/ 23																					21
22/ 21																					9
20/ 19																					6
16/ 15																					1
TOTAL		4.0	15.2	20.0	24.3	22.3	9.4	3.2	.6	.7	.2							900	900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3243599	52543	58.4	13.995	900							
Dry Bulb	2697001	48961	54.4	6.101	900			2.2	.1			90
Wet Bulb	2013521	42291	47.0	5.405	900		.4					90
Dew Point	1447992	35428	39.4	7.706	900		17.0					90

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

USAFETAC

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81										.1	.1							2	2		
80/ 79												.3	.1					4	4		
78/ 77								.1	.1		.2	.3	.1					8	8		
76/ 75								.2	.2	.4	.4	.6						17	17		
74/ 73							.3	.2	.3	.3	.6	.2						18	18		
72/ 71						.2	.7	1.1	.4	.4	.3							29	29		
70/ 69					.1	.2	1.6	.3	.6	.9	.3							36	36		
68/ 67					.3	1.1	1.2	1.8	.7	.9	.1							55	55		
66/ 65				.3	.7	1.3	1.6	2.0	1.0	.6								67	67		
64/ 63		.1	.1	.6	.8	1.8	3.3	1.9	1.4									90	90	3	
62/ 61		.1	.1	.4	1.1	2.4	2.3	2.6	1.6									96	96	13	
60/ 59		.2	.2	.7	2.1	2.2	3.0	1.4	.1									90	90	33	2
58/ 57		.2	.7	1.0	2.9	2.8	2.0	2.0	.1	.1								106	106	55	1
56/ 55		.4	.6	.9	3.1	1.7	2.2	.6	.3									88	88	64	8
54/ 53			.4	1.1	2.0	2.1	.9	1.2	.1									71	71	94	25
52/ 51		.7	1.1	.3	1.6	.7	.6	.2										46	46	125	33
50/ 49		.2	.8	.8	.8	1.1	1.0	.2										44	44	122	55
48/ 47		.1	.7	.3	.2	.4												16	16	148	54
46/ 45		.1	.6	.1		.1												8	8	94	60
44/ 43				.2	.3	.1												6	6	64	90
42/ 41			.1		.1													2	2	38	98
40/ 39																				28	79
38/ 37																				12	91
36/ 35																				5	80
34/ 33																				1	57
32/ 31																					55
30/ 29																					41
28/ 27																					20
26/ 25																					12
24/ 23																					18
22/ 21																					11
20/ 19																					5
18/ 17																					4

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

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

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 2 | 1200-1400 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL		2.2	5.3	6.8	16.1	18.4	20.7	15.9	7.0	3.8	2.1	1.4	.2					899	899	899	899

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2297039	43533	48.4	14.508	899							90
Dry Bulb	3307903	54157	60.2	7.111	899			16.9	4.9	.3		90
Wet Bulb	2241830	44632	49.6	5.383	899							90
Dew Point	1463058	35588	39.6	7.774	899		16.6					90

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

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 — 1500-1700 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	≥ 31				
84/ 83												.1						1	1		
82/ 81											.1	.1	.1	.1				4	4		
80/ 79									.1		.4	.3	.3	.2				13	13		
78/ 77								.1			.2	.4	.6	.1				13	13		
76/ 75								.1	.2	.4	.3	.9	.1					19	19		
74/ 73							.3	.3	.9	.3	.6	.2	.1					25	25		
72/ 71						.2	.4	.6	1.1	.4	.2	.2						29	29		
70/ 69						.6	.8	.8	1.8	1.3	.9	.2						57	57		
68/ 67						1.1	.9	1.2	1.7	1.6	.3	.1						62	62		
66/ 65				.1	.2	1.1	.8	2.6	1.0	.9	.1							61	61		
64/ 63				.4	.6	1.7	2.1	3.0	2.3	.9	.1							100	100	4	
62/ 61		.1	.1	.1	.6	1.7	2.1	3.4	1.7	.8	.1							96	96	8	
60/ 59		.1	.6	.7	1.7	2.0	1.8	2.0	1.0	.3								91	91	27	1
58/ 57			.4	1.2	1.4	2.9	1.0	1.0	.6									77	77	51	2
56/ 55		.1	.3	.7	2.1	3.1	.9	.3	1.0									77	77	69	3
54/ 53		.4	.6	1.2	.8	1.3	1.6	1.4	.2									68	68	98	22
52/ 51		.7	1.1	.7	.6	.3	.3	.1										34	34	122	14
50/ 49		.6	1.0	.8	.6	.7	.2	.3										37	37	131	49
48/ 47		.1	.9	.6	.3	.2	.1											20	20	151	53
46/ 45		.3	.2		.1	.1	.1											8	8	90	62
44/ 43		.2				.1												3	3	65	63
42/ 41			.1	.1	.1													3	3	43	109
40/ 39				.2														2	2	27	86
38/ 37																				7	100
36/ 35																				5	82
34/ 33																				2	62
32/ 31																					45
30/ 29																					43
28/ 27																					28
26/ 25																					28
24/ 23																					22
22/ 21																					9
20/ 19																					12
18/ 17																					4

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

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																				1
TOTAL		2.7	5.3	6.8	9.0	17.1	13.4	17.3	13.6	7.0	3.4	2.7	1.2	.4				900		900
																			900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2086257	40821	45.4	16.159	900							
Dry Bulb	3437192	55186	61.3	7.701	900			22.3	7.5	.8		90
Wet Bulb	2235567	44609	49.6	5.220	900							90
Dew Point	1385168	34588	38.4	7.886	900		19.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) APR (MONTH)

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
82/ 81											.1							1	1		
80/ 79											.1							1	1		
78/ 77								.1				.1						2	2		
76/ 75										.2	.2	.1	.1					6	6		
74/ 73								.1	.1	.2		.1						5	5		
72/ 71					.1	.1	.2	.4	.1	.4								13	13		
70/ 69						.3	.2	.3	.3	.3	.1							15	15		
68/ 67				.1	.3	.4	.4	1.1	1.0	.8	.3							41	41		
66/ 65				.3		.6	1.2	1.4	.3	.2								37	37		
64/ 63			.1	.6	.7	1.1	1.8	.8	.9	.2								55	55	2	
62/ 61		.1	.2	.6	1.3	1.3	2.1	1.8	1.1	.1	.1							79	79	7	
60/ 59		.1	1.0	.8	1.1	1.8	2.3	.4	.3									71	71	17	2
58/ 57		.6	1.2	1.3	2.4	2.6	1.4	1.4	.2									101	101	23	2
56/ 55		.6	.4	1.9	2.6	2.2	1.4	.7	.2									90	90	57	5
54/ 53		.9	1.6	3.0	2.1	1.7	.8	.7										96	96	71	25
52/ 51		.8	2.2	2.4	2.2	1.6	.8											90	90	94	35
50/ 49		.8	3.4	2.2	1.6	.8	1.0											88	88	127	46
48/ 47		.3	1.0	1.2	1.1	1.2												44	44	152	57
46/ 45		.6	.3	.7	.6	.4	.1											24	24	114	64
44/ 43		.2	.4	.8	.4	.3												20	20	83	85
42/ 41		.2	.4	.2	.2													10	10	57	92
40/ 39		.1	.2	.1	.1													5	5	42	86
38/ 37		.1		.1	.1													3	3	30	83
36/ 35			.2															2	2	15	77
34/ 33			.1															1	1	4	56
32/ 31																				5	54
30/ 29																					30
28/ 27																					42
26/ 25																					21
24/ 23																					19
22/ 21																					5
20/ 19																					9
18/ 17																					4
16/ 15																					1

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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
TOTAL		5.3	13.0	16.3	17.0	16.4	13.9	9.3	4.7	2.6	1.0	.3	.1					900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2982364	49578	55.1	16.718	900							
Dry Bulb	2904530	50706	56.3	7.288	900			8.4	1.5	.2		90
Wet Bulb	2080160	42974	47.7	5.601	900		.5					90
Dew Point	1439999	35273	39.2	8.002	900		16.5					90

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

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.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
66/ 65						.1												1	1		
64/ 63				.2	.7	.3	.3	.1										15	15		
62/ 61		.1	.1	.6	.4	.9	.4	.3										26	26		
60/ 59		.2	.4	.9	.7	1.0	.6	.2										36	36	1	
58/ 57		.4	1.0	1.1	1.3	.6	.7	.4										50	50	7	2
56/ 55		.2	1.6	1.6	1.7	.8	.2											54	54	23	4
54/ 53		1.3	1.8	3.3	2.6	1.8	.4											101	101	27	9
52/ 51	.1	1.1	3.9	2.2	1.7	.9	.1											90	90	57	14
50/ 49		2.8	5.4	3.0	3.4	1.1	.1											143	143	83	45
48/ 47		1.9	5.0	2.8	1.9	.9												112	112	116	50
46/ 45		2.4	3.3	2.3	2.0	.6												96	96	153	68
44/ 43	.2	1.4	2.1	2.1	1.0	.2												64	64	115	78
42/ 41		1.3	1.9	1.0	.7													44	44	103	125
40/ 39			1.3	1.6	.8													33	33	81	88
38/ 37		.6	.7	.7	.1													18	18	48	77
36/ 35		.1	1.0	.1														11	11	33	85
34/ 33			.1	.1														2	2	30	57
32/ 31			.1															1	1	16	49
30/ 29		.1	.1															2	2	2	42
28/ 27																				3	32
26/ 25		.1																1	1	1	31
24/ 23																				1	23
22/ 21																					15
20/ 19																					5
18/ 17																					1
TOTAL	.3	14.2	29.9	23.6	18.9	9.1	2.9	1.1											900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4175610	59952	66.6	14.229	900							
Dry Bulb	2248697	44643	49.6	6.173	900		.4					90
Wet Bulb	1793122	39850	44.3	5.645	900		2.3					90
Dew Point	1376254	34530	38.4	7.565	900		19.8					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — APR 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
84/ 83												.0						1	1		
82/ 81										.0	.0	.0	.0	.0				7	7		
80/ 79									.0		.1	.1	.1	.0				18	18		
78/ 77								.0	.0		.1	.1	.1	.0				23	23		
76/ 75								.0	.1	.1	.1	.2	.0					42	42		
74/ 73							.1	.1	.2	.1	.1	.1	.0					49	49		
72/ 71					.0	.1	.2	.3	.2	.2	.1	.0						74	74		
70/ 69					.0	.2	.3	.2	.4	.3	.2	.0						114	114		
68/ 67				.0	.1	.4	.3	.6	.4	.4	.1	.0						170	170		
66/ 65			.0	.1	.2	.6	.5	.8	.3	.2	.0							197	197		
64/ 63		.0	.0	.3	.6	.7	1.1	.8	.6	.2	.0							305	305	9	
62/ 61		.1	.1	.4	.6	1.0	1.1	1.1	.6	.1	.0							355	355	30	
60/ 59		.1	.4	.7	1.0	1.2	1.2	.6	.2	.0								379	379	86	5
58/ 57		.2	.8	.9	1.6	1.6	.8	.6	.1	.0								466	466	170	8
56/ 55	.0	.4	1.1	1.1	2.0	1.4	.8	.2	.2									502	502	282	30
54/ 53		.7	1.3	2.3	1.6	1.5	.6	.5	.0									601	601	379	112
52/ 51	.0	1.2	2.3	1.5	1.1	.7	.3	.0										503	503	568	146
50/ 49		1.7	3.9	1.8	1.5	.9	.4	.1										724	724	717	379
48/ 47		1.4	3.3	1.3	1.1	.6	.0											552	552	934	370
46/ 45	.0	2.3	1.9	.9	1.0	.2	.0											444	444	864	445
44/ 43	.1	1.9	1.4	1.1	.8	.1												378	378	758	583
42/ 41	.1	2.0	2.0	.8	.4													375	375	568	815
40/ 39	.0	1.1	1.7	.9	.3													284	284	495	704
38/ 37	.0	.9	1.0	.4	.0													162	162	421	681
36/ 35	.0	.6	1.0	.1														126	126	287	651
34/ 33	.0	.6	.7	.1														98	98	205	448
32/ 31		.3	.3															38	38	138	420
30/ 29	.0	.3	.1															28	28	68	375
28/ 27	.0	.2	.0															19	19	38	302
26/ 25	.0	.1																1	11	23	237
24/ 23		.0																	2	7	178
22/ 21		.0																3	3	2	86
20/ 19																				1	52
18/ 17																					20

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
16/ 15																				3
TOTAL	.4	16.1	23.3	14.7	13.8	11.1	7.8	6.0	3.3	1.8	.9	.6	.2	.1				7050	7050	7050

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	29521408	437992	62.1	18.105	7050							
Dry Bulb	19749844	367070	52.1	9.512	7050		10.3	50.9	14.3	1.3		720
Wet Bulb	14748963	318899	45.2	6.779	7050		28.3					720
Dew Point	10703444	269216	38.2	7.746	7050		170.9					720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69							.2											2	2		
68/ 67					.1	.1	.5	.3										10	10		
66/ 65						.3	.6		.1									10	10		
64/ 63			.1	.4	.3	1.0	.5	.2										24	24		
62/ 61		.2	.3	1.3	.8	.6	.4	.1	.1									36	36		
60/ 59		.3	1.0	.8	1.1	.5		.2										36	36	5	
58/ 57		1.0	.9	1.6	1.6	.6	.3	.1										57	57	21	6
56/ 55	.2	2.8	1.4	2.3	1.0	.5	.3											79	79	49	9
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		.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	1	38
30/ 29																				2	15
28/ 27																					7
26/ 25																					4
TOTAL	2.7	31.4	31.1	17.5	8.4	4.5	3.1	1.0	.2										929		929
																		929		929	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.	5432571	69855	75.2	13.924	929
Dry Bulb	2430464	47106	50.7	6.720	929
Wet Bulb	2049795	43325	46.6	5.617	929
Dew Point	1729118	39634	42.7	6.417	929

Mean No. of Hours with Temperature						
≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
	.1	1.2				93
	.3					93
	6.4					93

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

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 | 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	.2													6	6		
60/ 59		.1	.5	.3	.5	.3												17	17		
58/ 57		.9	.9	.4	1.1	.3												33	33	8	1
56/ 55	.1	2.8	1.2	1.2	1.4	.2												64	64	21	10
54/ 53		3.2	3.7	1.4	.9	.4												89	89	42	19
52/ 51	.5	2.9	4.0	1.6	.9	.2												94	95	62	45
50/ 49	.2	4.5	4.1	.9	.6	.1												97	97	94	57
48/ 47	.4	6.1	3.2	1.3	.2													105	105	133	61
46/ 45	.2	6.9	2.6	1.4														103	103	115	95
44/ 43	.8	5.0	2.5	.8	.1													84	84	109	117
42/ 41	.2	5.3	3.1	.9														88	88	97	124
40/ 39	.1	2.5	3.1	.5														58	58	70	77
38/ 37	.1	4.0	.8															45	45	62	73
36/ 35	.1	1.9	.3															22	22	70	78
34/ 33		.9																8	8	29	66
32/ 31	.1	.5																6	6	9	52
30/ 29		.3																3	3	5	24
28/ 27		.1																1	1	2	18
26/ 25																					6
24/ 23																					1
TOTAL	2.9	48.0	30.3	10.9	6.0	1.7	.2												929		928
																		928		928	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6069101	74257	80.0	11.713	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
74/ 73									.1									1	1		
72/ 71							.1	.1										2	2		
70/ 69					.2	.1	.3		.2									8	8		
68/ 67				.1	.6	.5	.8	.3	.1		.1							24	24		
66/ 65				.1	.3	1.1	.1	.1	.1									17	17		
64/ 63		.1	.1	.8	.6	.4	.4	.1										24	24	1	
62/ 61			.6	1.4	1.1	.8	.5											41	41	4	
60/ 59			1.2	1.6	1.1	.3	.2	.1										42	42	16	2
58/ 57		1.5	1.6	2.9	1.1	1.1	.2											78	78	28	1
56/ 55	.2	2.4	3.0	1.8	1.5	.6	.2											91	91	73	15
54/ 53	.2	2.8	4.7	2.5	2.2	.4		.1										120	120	75	42
52/ 51	.3	2.6	4.1	1.0	1.1	.2												86	86	123	63
50/ 49	.2	4.7	4.8	2.5	.9	.3												125	125	115	124
48/ 47	.3	3.1	2.7	.9	1.0													74	74	130	110
46/ 45	.2	4.4	1.8	1.5	.1													75	75	92	115
44/ 43	.1	2.0	1.9	1.4														51	51	103	87
42/ 41		1.5	1.2	.2														27	27	64	68
40/ 39		1.4	.8	.1														21	21	44	77
38/ 37	.2	.8	.1															10	10	37	76
36/ 35		.8																7	7	12	53
34/ 33		.4																4	4	10	47
32/ 31		.2																2	2	1	29
30/ 29																				2	17
28/ 27																					3
26/ 25																					1
TOTAL	1.8	28.7	28.7	18.7	11.7	5.9	2.9	.9	.5		.1								930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5244144	68614	73.8	13.993	930
Dry Bulb	2586481	48595	52.3	7.133	930
Wet Bulb	2155719	44451	47.8	5.786	930
Dew Point	1808001	40565	43.6	6.448	930

Mean No. of Hours with Temperature						
	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.		.2	3.5	.1			93
Dry Bulb		.3					93
Wet Bulb		5.0					93
Dew Point							93

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

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 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
82/ 81										.3	.2							5	5		
80/ 79							.1		.1	.3	.1	.1	.1					8	8		
78/ 77								.3	.6	.9	.4	.1						22	22		
76/ 75						.1	.4	.8	1.1	.8	.5		.2					36	36		
74/ 73						.2	.6	.2	1.0	.1	.4	.1						25	25		
72/ 71					.1	.2	1.6	1.0	.3	.4	.1							35	35		
70/ 69					.3	.8	1.6	1.1	.4	.3								42	42		
68/ 67				.1	1.2	2.9	1.7	.8	.5	.1								68	68	1	
66/ 65				.5	1.0	2.3	1.2	1.4	.4									63	63	2	
64/ 63			.2	1.2	1.4	1.7	1.6	1.0	.3									69	69	20	
62/ 61			.3	1.8	2.7	1.5	1.4	.9										80	80	31	2
60/ 59		.2	1.2	2.8	2.3	2.6	1.9	.2										104	104	75	2
58/ 57	.3	.9	1.0	2.5	2.3	1.8	.5	.3	.1	.1								91	91	99	12
56/ 55		1.0	1.5	2.2	2.3	1.6	1.1	.1										90	90	109	31
54/ 53		.5	2.4	1.9	1.9	1.5	.3											80	80	116	52
52/ 51		.2	1.2	1.1	1.1	.6	.1											40	40	121	78
50/ 49	.1	1.1	1.4	1.2	.6	.5												46	46	108	110
48/ 47	.1	.2	.4	.4	.2	.1												14	14	100	123
46/ 45			.2	.4														6	6	70	100
44/ 43		.2	.1															3	3	44	71
42/ 41			.1															1	1	22	98
40/ 39																				10	85
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		928	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3168001	52365	56.4	15.164	928							
Dry Bulb	3543059	56875	61.3	7.863	928			24.2	9.6	.9		93
Wet Bulb	2564422	48522	52.3	5.434	928			.1				93
Dew Point	1892292	41442	44.7	6.699	928		4.4					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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
90/ 89														.1		.1		2	2		
88/ 87													.1	.1				2	2		
86/ 85										.1	.2	.8	.6	.5	.3			24	24		
84/ 83								.2		.3	.4	.9	.8	.3	.2	.1		30	30		
82/ 81										.6	.6	1.8	.5	.3				37	37		
80/ 79							.1	.4	.4	.5	.5	.5	.4	.2	.1			31	31		
78/ 77							.1	.4	.6	1.0	.6	.6	.3					35	35		
76/ 75							.2	.3	1.0	.6	.4	.2	.1					27	27		
74/ 73						.1	.4	.9	1.7	1.3	1.0	.5						55	55		
72/ 71						.2	1.1	1.4	1.2	1.3	.3							51	51		
70/ 69					.6	.6	1.8	1.8	1.4	.5	.3							67	67	2	
68/ 67					.4	.9	2.4	3.0	1.5	1.0								85	85	3	
66/ 65				.6	1.0	1.3	1.9	2.3	.9	.5								79	79	12	
64/ 63			.3	.6	.8	2.2	1.9	1.7	.2		.1							73	73	41	2
62/ 61			.3	.3	1.5	1.7	2.2	1.4	.5	.1								75	75	46	1
60/ 59			.4	1.6	1.8	1.1	1.1	.6	.2	.1								66	66	98	4
58/ 57		.6	.8	1.5	1.4	1.2	1.1	.1										62	62	112	9
56/ 55	.1	.1	1.0	.6	1.2	.8	1.9											53	53	118	30
54/ 53		.4	1.5	.8	.4	.2	.4											35	35	144	45
52/ 51		.4	.6	.6	.2	.4												22	22	125	55
50/ 49			.3	.3	.4	.3												13	13	89	109
48/ 47		.2	.1		.1													4	4	57	113
46/ 45		.1																1	1	44	97
44/ 43																				26	112
42/ 41																				10	75
40/ 39																				2	75
38/ 37																					63
36/ 35																					49
34/ 33																					33
32/ 31																					27
30/ 29																					17
28/ 27																					9
26/ 25																					1
20/ 19																					2

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
18/ 17 TOTAL	.1	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		1 929
																		929		929	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2246680	43200	46.5	16.008	929							
Dry Bulb	4209343	61951	66.7	9.115	929			44.6	24.3	10.1		93
Wet Bulb	2744091	50247	54.1	5.331	929			.5				93
Dew Point	1839816	40346	44.0	6.879	929		5.7					93

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

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 D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
92/ 91															.1			1	1		
90/ 89														.2	.1			3	3		
88/ 87													.3	.2	.1	.4		10	10		
86/ 85										.1	.3	.3	.5	1.2	.5	.3		31	31		
84/ 83									.2	.1	.3	1.0	1.2	1.0	.3	.1		39	39		
82/ 81							.1			.6	.3	1.4	.5	.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	.6	1.5	1.7	1.0	.4	.1				55	55		
74/ 73							.2	1.1	1.6	.9	1.1	.8	.1					53	53		
72/ 71							.6	1.0	1.9	.3	.2	.2						40	40		
70/ 69					.2	.6	.3	1.9	1.7	1.2	1.1	.2						68	68	1	
68/ 67					.4	.6	.8	2.4	2.5	.6	.1							69	69	5	
66/ 65				.4	.2	1.0	1.3	1.6	1.0	.6								57	57	4	
64/ 63			.2	.8	1.4	2.4	1.3	1.8	.9	.5								86	86	35	1
62/ 61		.1	.3	.6	1.4	1.6	2.3	1.2	.1	.3								74	74	46	1
60/ 59		.3	.6	.9	1.9	2.4	1.3	1.0	.3		.2							83	83	94	3
58/ 57		.4	.3	1.6	1.2	1.1	.8	.5										55	55	111	9
56/ 55		.2	.9	.5	1.0	.3	.9	.2										37	37	137	20
54/ 53		.3	.8	.6		1.3	.4	.1										33	33	114	32
52/ 51		.1	1.0	.2	.2	.1												15	15	145	51
50/ 49		.2	.3		.1													6	6	101	79
48/ 47		.2	.2		.1													5	5	59	85
46/ 45		.3	.1	.1														5	5	33	112
44/ 43		.1																1	1	33	115
42/ 41																				11	98
40/ 39																				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)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | MAY 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
24/ 23																				3
20/ 19																				1
18/ 17																				1
16/ 15																				1
TOTAL		2.4	4.7	5.8	8.2	1.4	10.6	13.4	11.9	6.6	6.6	5.8	4.3	4.0	1.3	1.0		930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2036835	40529	43.6	17.067	930							
Dry Bulb	4347730	62956	67.7	9.619	930			47.3	29.6	13.2		93
Wet Bulb	2725076	50110	53.9	5.194	930			.6				93
Dew Point	1745247	39751	42.7	7.050	930		7.1					93

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

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 — 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
88/ 87																.1		1	1		
86/ 85												.3	.3	.2	.2			10	10		
84/ 83									.1	.2		.2	.4	.3		.1		13	13		
82/ 81								.1		.3	.1	.9	.2	.6				21	21		
80/ 79								.2	.1	.6	.3	.5	.2		.1			20	20		
78/ 77								.3	.3	.3	.6	.2	.1					18	18		
76/ 75						.1	.2	.3	1.1	1.0	.5	.1	.2	.1				34	34		
74/ 73						.3	.3	1.1	1.0	1.0	.5	.8	.1	.1				48	48		
72/ 71						.1	.6	1.5	1.3	.2	.4	.2	.1					42	42		
70/ 69					.1	.2	.9	.6	.5	1.0	.9							39	39		
68/ 67				.2	.5	1.1	2.3	1.6	1.2	.3		.1						68	68	2	
66/ 65				.3	.5	1.3	1.0	1.3	1.3	.3	.1							57	57	8	
64/ 63			.2	1.0	1.7	1.8	1.4	.6	.6	.1								70	70	14	
62/ 61		.1	1.1	.6	1.4	2.4	1.6	1.2	.2	.1								81	81	33	1
60/ 59		.4	.4	1.7	1.4	.9	1.2	.1	.2									59	59	71	4
58/ 57		1.0	1.5	1.8	1.8	1.4	1.0	.3	.1	.1								84	84	106	10
56/ 55	.1	.9	1.9	1.7	1.9	1.3	.9	.1										82	82	97	23
54/ 53		.3	1.9	2.3	1.0	.8	.3		.1									62	62	128	43
52/ 51		.9	1.4	1.3	1.0	.5	.2											49	49	125	55
50/ 49		1.0	1.7	.6	.8	.3	.1	.1										43	43	118	123
48/ 47		.6	.4	.2	.6	.1												19	19	100	90
46/ 45		.3	.2	.1	.1													7	7	59	117
44/ 43			.2	.1														3	3	33	97
42/ 41																				21	83
40/ 39																				11	59
38/ 37																				4	64
36/ 35																					51
34/ 33																					37
32/ 31																					37
30/ 29																					12
28/ 27																					13
26/ 25																					4
24/ 23																					4
16/ 15																					2

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
12/ 11																					1
TOTAL	.1	5.5	11.1	12.0	12.9	12.6	11.9	9.6	8.2	5.6	3.5	3.3	1.7	1.4	.3	.2		930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2904491	49035	52.7	18.533	930							
Dry Bulb	3760706	58510	62.9	9.257	930			31.4	16.5	5.0		93
Wet Bulb	2580908	48730	52.4	5.447	930			.2				93
Dew Point	1813135	40521	43.6	7.158	930		7.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 75									.2	.1			.2					5	5		
74/ 73									.2	.1								3	3		
72/ 71						.1	.4	.5	.5									15	15		
70/ 69					.3	.5	.4	.6	.3	.1	.3							25	25		
68/ 67					.3	.9	.9	.8	.1	.2	.1							30	30		
66/ 65			.1	.2	.1	1.0	1.0	.9	.2									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	2.8	1.1	1.0	.3										79	79	20	
58/ 57		1.8	1.3	2.4	2.0	1.0	.6	.3										88	88	52	10
56/ 55		2.2	2.6	1.3	1.3	.9	.4											80	80	80	19
54/ 53	.1	2.7	3.4	3.0	1.8	.9	.3											114	114	94	53
52/ 51		1.1	2.8	1.8	1.1	.3	.1											67	67	125	53
50/ 49	.1	3.2	4.2	1.8	1.0	.2												98	98	116	77
48/ 47	.2	1.8	3.9	1.8	.9	.1												81	81	130	89
46/ 45		1.6	2.2	1.1	.8	.1	.1											54	54	100	116
44/ 43		1.2	1.3	.8	.1													31	31	86	107
42/ 41		.6	1.1	.5														21	21	57	106
40/ 39		.3	.3															6	6	27	77
38/ 37																				26	74
36/ 35																				7	44
34/ 33																					42
32/ 31																					24
30/ 29																					25
28/ 27																					6
26/ 25																					3
24/ 23																					1
22/ 21																					1
20/ 19																					1
TOTAL	.4	17.0	25.5	18.4	14.4	9.3	7.0	4.5	1.9	.8	.4		.2						928		926
																		928		928	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4385742	61944	66.8	16.454	928							
Dry Bulb	2862649	51085	55.0	7.381	928			7.8	.8			93
Wet Bulb	2252809	45441	49.0	5.468	928							93
Dew Point	1780826	40172	43.3	6.717	928		6.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TURREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | MAY 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
92/ 91															.0			1	1		
90/ 89														.0	.0	.0		5	5		
88/ 87													.1	.0	.0	.1		13	13		
86/ 85										.0	.1	.2	.2	.2	.1	.0		65	65		
84/ 83								.0	.0	.1	.1	.3	.3	.2	.1	.0		82	82		
82/ 81							.0	.0		.2	.2	.5	.2	.2		.0		100	100		
80/ 79							.0	.1	.1	.3	.2	.2	.2	.1	.0			93	93		
78/ 77							.0	.2	.3	.4	.3	.2	.1	.0				108	108		
76/ 75						.0	.2	.2	.5	.5	.4	.2	.1	.0				157	157		
74/ 73						.1	.2	.4	.7	.4	.4	.3	.0	.0				185	185		
72/ 71					.0	.1	.6	.7	.7	.3	.1	.1	.0					185	185		
70/ 69					.2	.4	.7	.8	.6	.4	.3	.0						251	251	3	
68/ 67				.1	.5	.9	1.2	1.1	.7	.3	.0	.0						354	354	11	
66/ 65			.0	.3	.4	1.0	.9	.9	.5	.2	.0							315	315	26	
64/ 63		.0	.2	.7	.9	1.3	1.0	.8	.3	.1	.0							390	390	113	3
62/ 61		.1	.5	.9	1.3	1.3	1.2	.7	.1	.1								453	453	166	5
60/ 59		.2	.8	1.4	1.6	1.1	.8	.3	.1	.0	.0							486	486	379	15
58/ 57	.0	1.0	1.0	1.8	1.6	1.1	.6	.2	.0	.0								548	548	537	58
56/ 55	.1	1.5	1.7	1.5	1.4	.8	.7	.1										576	576	684	157
54/ 53	.1	1.7	2.7	2.0	1.1	.8	.2	.0	.0									638	638	789	319
52/ 51	.2	1.3	2.5	1.1	.8	.3	.1											467	468	915	454
50/ 49	.1	2.4	2.9	1.2	.7	.2	.0	.0										559	559	858	755
48/ 47	.2	2.1	1.8	.7	.5	.1												393	393	850	763
46/ 45	.1	2.2	1.2	.7	.1	.0	.0											333	333	624	893
44/ 43	.1	1.5	1.0	.5	.1													241	241	532	816
42/ 41	.0	1.3	.9	.3														188	188	362	731
40/ 39	.0	.6	.8	.1														112	112	225	609
38/ 37	.1	.7	.2															71	71	171	531
36/ 35	.0	.4	.1															37	37	115	463
34/ 33		.2	.0															13	13	50	339
32/ 31	.0	.1																9	9	11	245
30/ 29		.0																3	3	9	150
28/ 27		.0																1	1	2	75
26/ 25																					28

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																				10
22/ 21																				2
20/ 19																				4
18/ 17																				3
16/ 15																				3
12/ 11																				1
TOTAL	1.1	17.4	18.4	13.3	11.1	9.4	8.4	6.5	4.7	3.3	2.1	1.9	1.2	.9	.3	.2		7432	7433	7432	7432

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	31487565	459799	61.9	20.229	7432							
Dry Bulb	25854560	431006	58.0	10.773	7433		1.3	160.1	81.0	29.2		744
Wet Bulb	18923922	371916	50.0	6.483	7432		2.2	1.4				744
Dew Point	14221330	321138	43.2	6.813	7432		52.2					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 | 0000-0200 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	≥ 31				
82/ 81												.3						3	3		
78/ 77											.2							2	2		
76/ 75						.1			.1	.1	.2							5	5		
74/ 73								.1	.3	.1								5	5		
72/ 71					.2	.2	.6	.3	.2	.2								16	16		
70/ 69					.6	.4	.4	.7	.3	.1								23	23		
68/ 67			.4	1.0	1.1	1.4	1.2	.9	.4									59	59		
66/ 65		.2	.8	2.1	.2	1.0	.6	.3										47	47	2	
64/ 63	.1	.8	2.1	2.0	.6	1.2	1.6	.3	.1									79	79	11	4
62/ 61	.6	.9	2.4	1.7	2.1	2.0	1.0	.2										98	98	44	22
60/ 59	.1	1.2	2.8	2.6	1.7	.8	.2	.2										86	86	74	16
58/ 57	.2	4.9	2.8	1.9	3.1	.6	.1	.4										126	126	100	30
56/ 55	.7	4.3	3.9	2.6	1.0	.6												117	117	130	80
54/ 53		3.8	2.1	2.1	.9	.7	.1											87	87	134	95
52/ 51	.3	1.4	1.9	.6	.6	.1												44	44	142	95
50/ 49	.4	1.9	2.6	1.1	.6													61	61	95	125
48/ 47	.1	1.2	.3		.3	.1												19	19	74	93
46/ 45	.1	.4	.2	.2	.2													11	11	47	106
44/ 43		.7	.1		.2													9	9	26	81
42/ 41		.1	.1	.1														3	3	9	52
40/ 39																				6	41
38/ 37																				5	16
36/ 35																				1	14
34/ 33																					7
32/ 31																					14
30/ 29																					5
28/ 27																					3
26/ 25																					1
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	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4749277	63629	70.7	16.702	900
Dry Bulb	3126583	52729	58.6	6.442	900
Wet Bulb	2550286	47690	53.0	5.085	900
Dew Point	2138726	43468	48.3	6.613	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			11.3	1.5	.3		90
Wet Bulb							90
Dew Point		2.3					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

 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
72/ 71					.1													1	1		
70/ 69					.1	.1				.1								3	3		
68/ 67			.1	.1	.6	.3	.2	.3										15	15		
66/ 65			.1		.4	.2	.1	.4										12	12		
64/ 63		.3	.8	.8	.7	.6	.4											34	34	3	
62/ 61	.1	1.0	1.2	1.4	.9	.3	.3											48	48	17	6
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											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	26.3	16.8	11.8	3.9	1.3	.9		.1								899	899	899	899

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5612941	69909	77.8	14.024	899
Dry Bulb	2678101	48801	54.3	5.683	899
Wet Bulb	2311939	45357	50.5	5.122	899
Dew Point	2027175	42319	47.1	6.250	899

Mean No. of Hours with Temperature						
≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
		1.9				90
						90
	2.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81												.2	.1					3	3		
80/ 79								.1	.2									3	3		
78/ 77						.1				.1								2	2		
76/ 75							.2		.1	.2								5	5		
74/ 73					.1	.3	.4	.1	.6	.3	.1							18	18		
72/ 71				.1	.4	.8	.3	.7	.3									24	24		
70/ 69			.2	.2	1.4	.6	1.3	.8	.3									44	44		
68/ 67			.1	.7	2.1	2.0	1.4	.6		.1	.1							64	64	2	
66/ 65		.1	1.0	1.7	1.6	2.1	1.1	.4										72	72	7	1
64/ 63		.7	1.4	2.8	1.2	2.1	.8	.1		.1								83	83	20	3
62/ 61	.4	.7	3.6	2.6	2.6	1.7	.2	.1										106	106	54	17
60/ 59	.3	1.1	2.9	2.6	2.2	1.1	.6											97	97	87	22
58/ 57	.2	2.9	3.7	3.6	1.0	.2	.2	.1									-	112	112	131	37
56/ 55	.3	4.6	3.2	1.7	.9	.6	.4											105	105	135	93
54/ 53	.2	2..	2.3	1.6	.2	.3												67	67	166	111
52/ 51	.4	1.7	1.0	.8	.4	.2												41	41	117	117
50/ 49		1.2	1.2	.3	.8	.1												33	33	70	131
48/ 47		.7	.6	.1	.1													13	13	49	110
46/ 45		.1		.1	.1													3	3	31	86
44/ 43		.3	.1	.1														5	5	18	67
42/ 41																				8	29
40/ 39																				3	25
38/ 37																				2	19
36/ 35																					10
34/ 33																					6
32/ 31																					11
30/ 29																					4
28/ 27																					1
TOTAL	2.0	16.8	21.3	18.8	15.2	12.8	7.1	3.0	1.6	.9	.2	.2	.1					900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.	4498522	61982	68.9	15.991	900
Dry Bulb	3316370	54318	60.4	6.510	900
Wet Bulb	2668468	48810	54.2	4.872	900
Dew Point	2223405	44389	49.3	6.158	900

Mean No. of Hours with Temperature

Element (X)	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			16.3	3.1	.3		90
Wet Bulb			.2				90
Dew Point		.6					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB 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.	Dry Bulb	Wet Bulb	Dew Point
90/ 89													.1			.1		2	2		
88/ 87												.1			.4			5	5		
86/ 85											.6	.1	.4	.2	.1			13	13		
84/ 83									.3	.3	.7	.6	.4	.1				22	22		
82/ 81								.4	.6	.9	.6	.9	.6		.1	.1		37	37		
80/ 79							.6	.4	1.6	1.8	.9	.9						55	55		
78/ 77						.1	1.0	1.8	2.4	2.1	.4	.3	.1	.1				76	76		
76/ 75					.2	.7	2.1	1.2	2.8	.7	.4	.1						74	74		
74/ 73					.6	1.0	1.7	2.6	2.8	.6	.6	.1	.1					89	89		
72/ 71					.7	1.6	1.1	1.7	1.2	.6	.2							63	63		
70/ 69				.4	1.2	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	80	5
62/ 61		.4	1.0	1.8	1.1	.9	.7	.3	.1	.1								58	58	129	17
60/ 59		.3	1.1	1.0	1.0	.6	.3	.3										42	42	154	36
58/ 57		.6	.6	.7	.9	.1	.1											26	26	157	50
56/ 55		.4	.4	.6	.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																					1
TOTAL		2.4	4.4	7.4	11.0	13.9	14.8	13.7	13.7	8.0	4.4	3.1	1.8	.4	.7	.2		900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2454370	44924	49.9	15.355	900							
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	44499	49.4	6.380	900		1.8					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 | 1200-1400 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	≥ 31				
102/101																	.1	1	1		
100/ 99																	.1	1	1		
98/ 97																	.2	2	2		
96/ 95																.3	.3	6	6		
94/ 93														.1	.1	.1	.4	7	7		
92/ 91													.1	.3	.3	.4		11	11		
90/ 89												.4	.9	.2	.3	.4		21	21		
88/ 87										.1	.1	1.6	.9	1.0	.9		.1	42	42		
86/ 85										.7	1.3	2.2	1.7	2.3	.9	.2	.2	86	86		
84/ 83							.1	.1	.6	1.3	1.2	1.9	1.9	.4	.2	.1		71	71		
82/ 81								.3	.9	2.0	1.7	2.4	1.2	.7	.2	.1		86	86		
80/ 79							.1	1.2	1.0	2.0	1.7	1.4	.6	.1				73	73		
78/ 77							.3	.7	1.4	.8	1.4	.3	.4					49	49		
76/ 75							.7	1.2	2.3	1.9	1.8	.8	.1					79	79		
74/ 73					.2	.1	.7	.9	1.9	.9	.9	.6						55	55		
72/ 71						.7	1.7	1.8	1.0	.8	.3	.1						57	57	1	
70/ 69			.1	.4	.4	.9	1.3	1.2	1.4	.3	1.0							65	65	5	
68/ 67			.1	.4	1.6	1.2	1.8	1.4	.6	.3								67	67	27	
66/ 65			.2	.4	.7	.8	.8	.1		.2								29	29	92	1
64/ 63			.3	.4	.6	.8	.6											24	24	95	3
62/ 61	.1	.1	.9	.7	.6	.7	.2	.1										30	30	151	10
60/ 59	.1	.2	.2	.6	.7	.2	.3											21	21	167	14
58/ 57		.3	.3	.1	.2													9	9	142	38
56/ 55		.2	.3															5	5	90	73
54/ 53		.2	.1															3	3	76	101
52/ 51																				33	96
50/ 49																				18	118
48/ 47																				3	92
46/ 45																					104
44/ 43																					89
42/ 41																					60
40/ 39																					32
38/ 37																					22
36/ 35																					15

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

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

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 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
34/ 33																					10
32/ 31																					15
30/ 29																					7
TOTAL	.2	1.1	2.7	3.1	4.9	5.3	8.6	9.1	11.1	11.3	11.4	11.8	7.8	5.2	3.0	1.8	1.6		900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1626919	35589	39.5	15.630	900							
Dry Bulb	5310989	68689	76.3	8.733	900			77.9	59.0	35.4	1.7	90
Wet Bulb	3195445	53487	59.4	4.312	900			3.3				90
Dew Point	2115572	43242	48.0	6.496	900		2.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 1500-1700 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	≥ 31				
102/101																	.1	1	1		
100/ 99																	.4	4	4		
98/ 97																	.4	4	4		
96/ 95																.1	.3	4	+		
94/ 93																.7	.8	13	13		
92/ 91													.1	.7	.4	.2	.7	19	19		
90/ 89												.3	.8	1.4	.8	1.2	.2	43	43		
88/ 87											.3	1.3	2.0	1.3	1.6	.1	.3	63	63		
86/ 85										.1	.4	1.6	2.0	2.2	2.0	.4	.1	80	80		
84/ 83								.1		.3	.9	2.3	2.8	1.2	.2	.3		74	74		
82/ 81							.1	.4	.2	.8	.9	1.4	2.6	.6	.4	.3		70	70		
80/ 79								.4	.6	1.7	1.6	1.3	1.8	.2				68	68		
78/ 77						.1	.3	.8	1.4	1.0	1.6	1.1	.4	.1				62	62		
76/ 75						.2	.4	.8	.7	2.0	1.2	.7	.8					61	61		
74/ 73					.1	.3	.4	1.0	2.1	1.2	.4	.4						55	55		
72/ 71			.1		.2	.1	.9	1.6	1.8	1.0		.2						53	53		
70/ 69		.1		.2	1.0	.4	.6	.4	.9	.9	.3							44	44	2	
68/ 67				.2	.7	1.3	.7	.9	1.2	.2	.2							49	49	20	1
66/ 65			.6	.2	.6	.9	.6	.3	.1									29	29	67	1
64/ 63		.3	.6	.8	.7	.6	.6	.6										36	36	97	2
62/ 61	.1	.2	.3	.7	.4	.3	.2											21	21	140	8
60/ 59	.1	.3	1.0	.7	.7		.1											26	26	181	21
58/ 57		.4	.2	.2	.1	.1												10	10	148	38
56/ 55		.3	.2	.2														7	7	116	45
54/ 53			.3															3	3	66	64
52/ 51		.1																1	1	45	95
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)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (YEARS) JUN (MONTH)

 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
34/ 33																					16
32/ 31																					9
30/ 29																					11
28/ 27																					2
26/ 25																					1
TOTAL	.2	1.9	3.3	3.2	4.4	4.4	4.9	7.3	9.0	9.2	7.9	10.8	13.2	7.8	5.4	3.4	3.4		900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1526912	33524	37.2	17.591	900							
Dry Bulb	5455801	69561	77.3	9.400	900			76.7	62.1	40.7	2.6	90
Wet Bulb	3148930	53108	59.0	4.096	900			2.2				90
Dew Point	1997219	41955	46.6	6.787	900		2.3	.1				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

PSYCHROMETRIC SUMMARY

14911 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | JUN MONTH

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
100/ 99																	.1	1	1		
98/ 97																	.2	2	2		
96/ 95																	.3	3	3		
94/ 93																.2	.3	5	5		
92/ 91														.1			.2	3	3		
90/ 89													.3	.6	.3	.6	.1	17	17		
88/ 87											.1	.4	.2	.6	.8	.3	.1	23	23		
86/ 85									.1	.2	.3	.9	1.6	1.1	1.1	.2	.1	51	51		
84/ 83									.1	.7	.3	1.1	1.4	.7	.1	.2		42	42		
82/ 81								.3	.7	.7	.7	1.6	1.4	.4	.1	.1		54	54		
80/ 79							.1	.3	.4	1.6	1.0	3.0	.7	.3				67	67		
78/ 77							.3	.4	1.2	1.0	1.1	1.3	.2	.3				54	54		
76/ 75					.2	.3	1.7	.8	.9	1.7	.9	.4	.4					66	66		
74/ 73					.3	.7	1.0	1.1	1.4	1.2	.7	.3	.1					62	62		
72/ 71			.1	.2	.6	.6	1.0	1.4	2.3	.3	.7	.1						70	70		
70/ 69			.6	.1	1.0	.7	.9	1.8	1.2	.7	.1							63	63	3	
68/ 67		.1	.4	.8	.7	1.4	1.3	2.0	1.0	.6	.1	.1						77	77	15	
66/ 65		.2	1.0	.4	1.0	.9	1.6	1.0	.4	.2								61	61	56	5
64/ 63		.2	1.4	1.7	.7	.8	.8	.4	.3	.2								59	59	82	6
62/ 61		.3	.8	.8	.8	.4	.3	.2	.1									34	34	113	22
60/ 59		.4	1.1	.4	.2	.2		.1										23	23	140	26
58/ 57		1.1	.7	.3	.3	.2	.2	.1										27	27	167	45
56/ 55		1.2	.2	.7	.1													20	20	131	52
54/ 53		.4	1.0	.1														14	14	93	87
52/ 51			.1	.1														2	2	51	85
50/ 49																				31	81
48/ 47																				16	79
46/ 45																				2	103
44/ 43																					88
42/ 41																					81
40/ 39																					39
38/ 37																					31
36/ 35																					30
34/ 33																					9

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
32/ 31																					19
30/ 29																					9
28/ 27																					1
26/ 25																					2
TOTAL		4.1	7.4	5.7	6.1	6.4	9.2	10.1	10.3	9.0	6.0	9.3	6.4	4.1	2.4	1.7	1.6	900	900	900	900

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2157576	40314	44.8	19.837	900							
Dry Bulb	4842053	65491	72.8	9.220	900			66.0	45.0	22.3	1.1	90
Wet Bulb	3048804	52226	58.0	4.498	900			1.8				90
Dew Point	2079961	42745	47.5	7.444	900		3.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
86/ 85														.2				2	2		
84/ 83														.1	.1			2	2		
82/ 81												.1	.2					3	3		
80/ 79								.2	.1	.2	.2	.3						10	10		
78/ 77								.2	.6	.7	.2	.2	.1					18	18		
76/ 75						.1	.4	.3		.7	.6	.1	.1					21	21		
74/ 73					.1	.6	.7	.8	1.0	.9	.4	.1						41	41		
72/ 71					.4	2.0	1.0	.9	1.0	.6	.3							56	56		
70/ 69				.9	1.0	1.3	1.6	1.3	1.1	.3	.4							72	72		
68/ 67			.8	.4	.6	2.0	1.3	1.9	.7		.1							70	70		
66/ 65			2.0	.4	1.1	1.7	1.8	1.2	.4	.2								80	80	8	
64/ 63	.2	.4	1.6	1.9	2.6	2.0	1.6	.6	.4	.2								103	103	43	5
62/ 61		.8	2.9	2.0	2.0	1.9	1.1	.8	.2									105	105	74	17
60/ 59	.2	1.0	2.9	1.6	2.4	2.0	1.1	.3										104	104	83	35
58/ 57		2.4	1.9	1.3	1.8	.6	.7											78	78	130	49
56/ 55	.1	2.4	.7	1.7	.8	.6	.2											58	58	157	67
54/ 53	.1	1.9	.3	1.1	.1		.2											34	34	132	94
52/ 51		.2	.8	.3		.2												14	14	101	91
50/ 49	.1	.4	.6		.1	.1												14	14	80	84
48/ 47		.6	.6		.2	.1												13	13	54	75
46/ 45		.1			.1													2	2	26	90
44/ 43																				4	80
42/ 41																				4	99
40/ 39																				4	33
38/ 37																					13
36/ 35																					27
34/ 33																					19
32/ 31																					9
30/ 29																					11
28/ 27																					1
26/ 25																					1
TOTAL	.6	10.3	15.1	11.7	13.3	15.1	11.7	8.6	5.6	3.8	2.3	.9	.4	.3	.1				900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3545059	53911	59.9	18.740	900							
Dry Bulb	3676310	57172	63.5	7.035	900			29.5	9.7	.8		90
Wet Bulb	2733051	49405	54.9	4.832	900							90
Dew Point	2116253	43161	48.0	7.184	900		2.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TURREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — JUN 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
102/101																	.0	2	2		
100/ 99																	.1	6	6		
98/ 97																	.1	8	8		
96/ 95																.1	.1	13	13		
94/ 93														.0	.0	.1	.2	25	25		
92/ 91													.0	.1	.1	.1	.1	33	33		
90/ 89												.1	.3	.3	.2	.3	.0	83	83		
88/ 87										.0	.1	.4	.4	.4	.5	.1	.1	133	133		
86/ 85									.0	.1	.3	.6	.7	.8	.5	.1	.1	232	232		
84/ 83							.0	.0	.1	.3	.4	.7	.8	.3	.1	.1		211	211		
82/ 81							.0	.2	.3	.5	.5	.9	.8	.2	.1	.1		256	256		
80/ 79							.1	.3	.5	.9	.7	.9	.4	.1				276	276		
78/ 77						.0	.3	.5	.9	.7	.6	.4	.2	.1				263	263		
76/ 75					.1	.2	.7	.5	.9	.9	.6	.3	.2					311	311		
74/ 73					.2	.4	.6	.8	1.3	.7	.4	.2	.0					325	325		
72/ 71			.0	.0	.4	.8	.8	1.0	1.0	.4	.2	.1						340	340	1	
70/ 69		.0	.1	.3	.8	.7	1.1	1.0	.7	.3	.3							382	382	12	
68/ 67		.0	.3	.5	1.2	1.6	1.3	1.2	.6	.2	.1	.0						497	497	79	1
66/ 65		.1	.8	.7	.9	1.3	1.0	.6	.2	.1								412	412	289	8
64/ 63	.0	.4	1.1	1.5	1.0	1.3	.9	.3	.1	.1								482	482	431	28
62/ 61	.2	.6	1.6	1.4	1.3	1.0	.5	.2	.1	.0								500	500	722	119
60/ 59	.2	.8	1.9	1.4	1.3	.8	.3	.1										497	497	909	191
58/ 57	.1	2.1	1.6	1.3	1.1	.3	.2	.1										491	491	1034	305
56/ 55	.2	2.4	1.5	1.4	.6	.2	.1											469	469	970	548
54/ 53	.2	1.8	1.3	1.0	.3	.1	.0											346	346	883	761
52/ 51	.2	.8	.8	.4	.3	.1												182	182	667	754
50/ 49	.2	.9	1.2	.3	.3	.0												208	208	473	848
48/ 47	.1	.7	.3	.1	.1	.0												100	100	348	755
46/ 45	.0	.4	.1	.1	.1													57	57	178	768
44/ 43	.0	.3	.1	.1	.0													37	37	99	697
42/ 41	.0	.1	.0	.0	.0													12	12	53	558
40/ 39		.1	.0															7	7	25	276
38/ 37		.0	.0															3	3	16	179
36/ 35																				7	143

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | JUN 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
34/ 33																				2	84
32/ 31																					98
30/ 29																					61
28/ 27																					9
26/ 25																					8
TOTAL	1.5	11.4	12.9	10.6	10.0	8.9	7.9	7.0	6.6	5.4	4.1	4.6	3.7	2.2	1.5	.9	.8		7199		7199
																		7199		7199	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	26173576	403782	56.1	22.133	7199							
Dry Bulb	32899398	479988	66.7	11.160	7199			339.6	217.7	110.4	5.4	720
Wet Bulb	22716472	402396	55.9	5.580	7199			9.2				720
Dew Point	16935084	345778	48.0	6.739	7199		17.6	.1				720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON 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	.2	.2						15	15		
78/ 77							.1	.3	.3	.5	.3	.5						20	20		
76/ 75							.9	.5	1.1	.2	.9	.3						36	36		
74/ 73				.1	.3	.9	.5	1.4	1.4	.6	1.3	.2						63	63		
72/ 71				.2	.4	1.4	1.2	2.4	1.3	.4	.5	.1						74	74		
70/ 69			.3		2.3	.9	2.5	1.2	1.5	.8	.3							90	90		
68/ 67			.3	.9	3.0	2.9	2.9	3.0	2.0	.3								143	143	1	
66/ 65		.2	1.8	1.4	1.4	2.4	2.5	2.2	.9	.4								122	122	17	
64/ 63		.8	1.9	1.3	.8	3.0	3.0	.9	1.0									111	111	43	6
62/ 61		.3	1.7	.8	1.2	2.5	2.5	1.9	.4									105	105	98	19
60/ 59		.1	1.1	.8	1.2	1.9	1.6	.4										66	66	109	28
58/ 57		.4	.3	.8	.6	1.6	.8	.3										45	45	143	49
56/ 55		.4	.1	.4	.5	.3	.3											20	20	119	63
54/ 53		.2	.2		.3	.1	.1											9	9	141	82
52/ 51																				108	47
50/ 49																				73	103
48/ 47																				56	85
46/ 45																				19	76
44/ 43																				2	81
42/ 41																				1	75
40/ 39																					79
38/ 37																					55
36/ 35																					36
34/ 33																					21
32/ 31																					11
30/ 29																					10
28/ 27																					4
TOTAL		2.5	7.2	6.6	12.0	17.8	18.8	14.8	10.5	3.9	3.7	1.5	.3	.2	.1			930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2665798	47654	51.2	15.527	930							
Dry Bulb	4137778	61796	66.4	5.832	930			45.2	14.5	1.2		93
Wet Bulb	2887740	51632	55.5	4.779	930			.1				93
Dew Point	2087473	43491	46.8	7.598	930		2.5					93

USAFETAC FORM 0-26-5 (OL A) 531 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 | 0300-0500 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	≥ 31				
80/ 79											.1	.1						2	2		
78/ 77							.1	.3	.3		.1							8	8		
76/ 75							.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	.5	.2	.4									27	27		
68/ 67			.1	.5	1.4	1.8	1.9	1.1	1.0									73	73		
66/ 65			.8	.3	1.6	2.5	2.0	1.2	.4									91	91	2	
64/ 63		.8	1.9	2.9	2.9	2.0	2.8	.5	.3									132	132	14	
62/ 61		.9	2.4	2.5	3.1	4.2	1.8	.2	.3									143	143	50	7
60/ 59		.9	2.6	1.5	4.0	2.0	2.3	.9										131	131	75	26
58/ 57		1.2	2.2	1.7	2.6	3.4	1.2	.2										106	106	108	44
56/ 55		1.2	1.7	1.8	3.0	1.2	.9											91	91	122	55
54/ 53		.6	.3	1.8	2.2	1.1	.3											59	59	136	79
52/ 51		.2	.8	.5	.5	.1												20	20	146	69
50/ 49				.6	1.1	.4												20	20	87	93
48/ 47		.1		.1														2	2	97	84
46/ 45																				55	80
44/ 43																				26	98
42/ 41																				9	94
40/ 39																				3	72
38/ 37																					45
36/ 35																					34
34/ 33																					18
32/ 31																					17
30/ 29																					9
28/ 27																					4
26/ 25																					2
TOTAL		5.6	12.7	15.6	23.2	18.9	14.4	5.2	3.5	.2	.3	.1						930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	3544015	55761	60.0	14.698	930
Dry Bulb	3492478	56768	61.0	5.422	930
Wet Bulb	2644266	49376	53.1	4.951	930
Dew Point	2041209	43049	46.3	7.226	930

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			13.5	2.7	.1		93
Wet Bulb							93
Dew Point		3.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
86/ 85												.1						1	1		
84/ 83									.1			.1		.1				3	3		
82/ 81								.1	.2	.1	.3	.6						13	13		
80/ 79								.9	.6	.8	.3	.3						27	27		
78/ 77							.2	.5	.4	.3	.2	.2						18	18		
76/ 75						.3	1.7	1.2	2.0	.8	.3	.1						60	60		
74/ 73	.1					1.3	1.7	1.2	1.1	1.1	.3							60	60	1	1
72/ 71				.2	1.0	1.3	3.1	2.2	1.2	.3	.1							87	87		
70/ 69			.4	.1	1.7	1.9	1.8	2.5	1.6	.1								95	95		
68/ 67			.5	.9	2.7	3.4	4.0	1.6	1.0	.2								133	133	3	
66/ 65	.1		1.2	2.4	1.5	2.8	2.0	1.5	.5	.1								113	113	30	2
64/ 63		.6	1.6	1.6	1.4	2.6	2.5	.5	.3									104	104	69	4
62/ 61		.6	1.1	1.3	2.5	1.7	1.5	.9	.3									92	92	110	20
60/ 59		.3	.6	1.1	1.2	.5	.8	.2										44	44	158	24
58/ 57		.2	1.0	.6	.6	1.0	.5											37	37	135	65
56/ 55		.4	.1	.5	1.0	.5	.3											27	27	151	87
54/ 53		.1	.1	.3	.3	.4												12	12	101	98
52/ 51			.1		.2													3	3	71	87
50/ 49																				48	128
48/ 47																				29	83
46/ 45																				18	96
44/ 43																				5	71
42/ 41																					70
40/ 39																					28
38/ 37																					23
36/ 35																					18
34/ 33																					15
32/ 31																					8
30/ 29																					1
TOTAL	.2	2.4	6.8	9.0	14.1	17.5	20.2	13.2	9.5	3.8	1.6	1.5		.1					929		929
																		929		929	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	2869721	49869	53.7	14.412	929
Dry Bulb	4230505	62425	67.2	6.211	929
Wet Bulb	3019083	52778	56.8	4.721	929
Dew Point	2266451	45459	48.9	6.727	929

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			49.8	18.2	1.9		93
Wet Bulb			.4	.1			93
Dew Point		.9	.1	.1			93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 58-77 YEARS | JUL MONTH

 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 - 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	Dew Point
98/ 97																	.1	1	1		
96/ 95																	.1	1	1		
94/ 93															.1	.2	.3	6	6		
92/ 91													.3	.4	.1	.1		9	9		
90/ 89												.4	.9	.6	.2	.5	.2	27	27		
88/ 87										.2	.3	1.0	1.1	.6	.6	.4	.2	42	42		
86/ 85									.2	.5	2.2	2.2	1.1	1.3	.8	.3		79	79		
84/ 83								.1	.8	2.0	1.3	2.5	1.5	.6	.1			83	83		
82/ 81								.3	2.2	4.3	2.6	2.3	1.1					119	119		
80/ 79							.3	1.4	3.1	3.8	2.2	.6	.2	.3				111	111		
78/ 77					.1		1.1	2.6	4.1	2.0	2.9	.9	.2	.1				130	130		
76/ 75						.6	2.3	2.2	3.8	2.2	.3	.1	.3	.1				110	110		
74/ 73					.5	.9	1.4	1.6	2.6	.9	.6	.3	.1					83	83		
72/ 71					.9	.6	1.2	1.9	.3	.4	.2	.1						53	53		
70/ 69			.2	.5	.4	.3	.5	.2	.6	.3	.2							32	32	8	
68/ 67			.2			.3	.9	.2	.3	.1								19	19	35	
66/ 65				.1	.2	.5		.4	.1	.1								14	14	154	1
64/ 63		.1	.2	.1	.3	.1			.2									10	10	189	5
62/ 61		.1																1	1	186	22
60/ 59																				159	40
58/ 57																				108	64
56/ 55																				65	107
54/ 53																				20	128
52/ 51																				19	88
50/ 49																				7	132
48/ 47																					90
46/ 45																					79
44/ 43																					62
42/ 41																					44
40/ 39																					23
38/ 37																					9
36/ 35																					13
34/ 33																					8
32/ 31																					9

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

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
30/ 29																					5
26/ 25																					1
TOTAL		.2	.6	.8	2.5	3.4	7.6	11.0	18.4	16.9	12.8	10.[illegible]	6.8	4.2	1.9	1.6	1.0	930	[illegible]30	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1473320	35434	38.1	11.518	930							
Dry Bulb	5800889	73239	78.8	5.978	930			90.5	80.1	41.3	.8	93
Wet Bulb	3506982	57004	61.3	3.733	930			4.3				93
Dew Point	2362872	46498	50.0	6.402	930		1.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.6	6	6		
100/ 99																	1.5	14	14		
98/ 97															.3	.3	2.6	30	30		
96/ 95														.1	.3	1.4	3.2	47	47		
94/ 93													.3	.3	2.0	1.7	3.4	73	73		
92/ 91													.4	.9	1.9	1.5	1.6	59	59		
90/ 89										.1	.3	.3	3.0	3.3	1.8	2.8	.4	113	113		
88/ 87										.1	.5	1.6	3.2	3.0	1.6	.8	.3	104	104		
86/ 85									.2	.6	2.7	3.3	4.0	2.3	2.2	.5	.2	149	149		
84/ 83								.1	.4	1.3	.8	2.3	1.8	.9	.2	.6	.1	79	79		
82/ 81								.3	.8	1.4	1.8	2.4	.5	1.0	.4			80	80		
80/ 79							.2	.3	1.0	1.3	1.7	1.7	.6	.5	.2			71	71		
78/ 77							.2	.4	.4	1.0	.5	.3	.4	.1				32	32		
76/ 75						.2	.2	.3	.5	1.0	.4	.1		.1				27	27		
74/ 73					.3			.2	.5	.4	.1	.1						16	16		
72/ 71				.1	.1	.2	.2	.4	.2									12	12	3	
70/ 69			.1	.3	.2	.1			.4									11	11	18	
68/ 67			.1				.1											2	2	53	
66/ 65			.1															1	1	171	
64/ 63		.1	.1															2	2	215	4
62/ 61																				190	22
60/ 59																				143	11
58/ 57																				81	30
56/ 55																				25	54
54/ 53																				25	85
52/ 51																				5	83
50/ 49																					147
48/ 47																					106
46/ 45																					110
44/ 43																					96
42/ 41																					57
40/ 39																					46
38/ 37																					31

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
36/ 35																					9
34/ 33																					12
32/ 31																					12
30/ 29																					5
28/ 27																					5
26/ 25																					3
24/ 23																					1
TOTAL		.1	.4	.4	.6	.5	1.0	2.2	4.5	7.2	8.9	12.2	14.4	12.5	11.1	9.7	4.2	929	929	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	80801	25621	27.6	10.453	929							
Dry Bulb	6950247	80119	86.2	6.615	929			92.7	90.2	78.2	17.1	93
Wet Bulb	3596716	57714	62.1	3.480	929			7.4				93
Dew Point	2139264	44136	47.5	6.679	929		2.6					93

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

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TURREJON AP SPAIN/MADRID STATION NAME | 65-77 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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	10.3	112	112		
94/ 93														.1	1.4	1.4	4.1	65	65		
92/ 91													.4	1.5	1.6	2.7	2.2	78	78		
90/ 89											.2	.1	1.5	3.2	4.1	2.2	1.3	117	117		
88/ 87											.1	.4	3.4	2.8	2.3	1.5	.9	106	106		
86/ 85										.1	.3	1.4	2.3	2.2	2.2	1.4	.8	98	98		
84/ 83									.4	.2	.8	1.6	2.2	1.4	1.1	.3	.6	80	80		
82/ 81									.3	1.2	.9	1.9	1.7	.5	.4	.5		70	70		
80/ 79							.1	.3	.3	.8	.8	.9	.9	.2	.3			42	42		
78/ 77						.2	.1	.3	.3	.4	.4	.2						19	19		
76/ 75					.1		.3	.2	.1	.4								11	11		
74/ 73						.1	.4	.3	.3	.2								13	13		
72/ 71						.4	.6	.3	.3									16	16	1	
70/ 69					.4	.1		.1	.2									8	8	5	
68/ 67																				25	
66/ 65			.1															1	1	103	
64/ 63					.1													1	1	226	1
62/ 61																				234	7
60/ 59																				168	8
58/ 57																				103	21
56/ 55																				38	17
54/ 53																				20	50
52/ 51																				7	58
50/ 49																					98
48/ 47																					108
46/ 45																					130
44/ 43																					118
42/ 41																					111
40/ 39																					75
38/ 37																					46

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
36/ 35																					31
34/ 33																					15
32/ 31																					12
30/ 29																					7
28/ 27																					8
26/ 25																					9
TOTAL			.1		.6	.9	1.6	1.6	2.4	3.3	3.4	6.6	12.4	11.9	13.7	11.6	29.9	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	600147	22011	23.7	9.744	930							
Dry Bulb	7273403	82009	88.2	6.700	930			92.8	90.4	84.3	27.0	93
Wet Bulb	3508031	57043	61.3	3.149	930			3.1				93
Dew Point	1915672	41776	44.9	6.486	930		3.6					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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													.3	.9	.9	.9	1.6	42	42		
90/ 89												.4	.5	1.8	1.6	2.4	1.7	79	79		
88/ 87											.1	.8	2.3	2.4	2.7	1.1	1.0	95	95		
86/ 85											.8	2.5	2.5	2.4	3.1	1.0	.6	119	119		
84/ 83										.3	.6	1.9	2.5	2.4	1.1	.1	.1	84	84		
82/ 81									.5	1.5	1.9	3.2	1.5	1.9	.3	.4		106	106		
80/ 79								.6	.2	1.6	2.4	1.9	.9	1.0	.2	.1		83	83		
78/ 77							.4	.4	.8	1.3	.8	1.3	.5	.4				55	55		
76/ 75					.1	.2	.6	.2	1.6	1.5	.6	.8	.6					59	59		
74/ 73					.2		.5	.4	.3	.4	.4	.1	.1					24	24		
72/ 71				.1	.3	.9	1.1	.6	.8	.1		.3	.1					40	40		
70/ 69			.1		.5	.3	.4	.2	.2		.1							18	18	1	
68/ 67			.1	.2	.5	.4			.1									13	13	15	
66/ 65			.2	.2	.2		.2	.1										9	9	67	
64/ 63			.1		.1													2	2	157	2
62/ 61	.1				.1													2	2	195	6
60/ 59		.1																1	1	230	11
58/ 57																				126	23
56/ 55																				87	41
54/ 53																				29	49
52/ 51																				17	68
50/ 49																				6	105
48/ 47																					96
46/ 45																					106
44/ 43																					105
42/ 41																					81
40/ 39																					76
38/ 37																					54
36/ 35																					28
34/ 33																					30

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 66-77 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
32/ 31																				24
30/ 29																				13
28/ 27																				9
26/ 25																				2
22/ 21																				1
TOTAL	.1	.1	.5	.5	2.2	1.8	3.3	2.7	4.5	6.8	7.7	13.2	11.8	13.1	10.2	7.2	14.1		930	
																		930		930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	901869	26351	28.3	12.926	930							
Dry Bulb	6494962	77428	83.3	7.235	930			91.6	84.5	64.1	9.9	93
Wet Bulb	3374001	55927	60.1	3.401	930			1.6				93
Dew Point	1931407	41865	45.0	7.098	930		4.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | JUL 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
90/ 89														.1	.1			2	2		
88/ 87												.1			.1			2	2		
86/ 85											.2	.3	.2	.2	.5			14	14		
84/ 83									.1	.2	.2	1.1	.2	.8	.2			26	26		
82/ 81									.8	.8	.6	1.6	1.3	.5	.1			53	53		
80/ 79								.2	.4	1.2	1.5	1.7	.8	.1	.2			57	57		
78/ 77						.1	.2	1.7	2.2	1.8	1.5	2.0	1.3	.1				102	102		
76/ 75						.4	.6	1.4	1.7	2.2	2.5	.6	.6					95	95		
74/ 73				.1	.2	.9	1.1	1.2	2.3	1.2	2.7	1.0						98	98		
72/ 71				.4	.5	1.1	1.6	1.5	2.3	2.0	.8	.6						101	101		
70/ 69				.4	.6	1.2	1.7	2.6	3.0	1.7	1.3	.1						118	118		
68/ 67			.4	.5	1.5	.6	1.4	1.3	1.8	1.7	.4	.1						92	92	7	
66/ 65		.1	.6	.2	.6	1.3	1.0	1.4	1.2	.4								64	64	33	1
64/ 63		.1	1.2	1.1	.4	.6	1.2	.9	.9	.2								61	61	71	4
62/ 61		.4	.5	.5	.3	.4	.4	.4	.2									31	31	120	10
60/ 59		.1	.1		.4	.3	.2											11	11	127	30
58/ 57		.1		.2														3	3	162	54
56/ 55																				137	46
54/ 53																				128	67
52/ 51																				81	58
50/ 49																				44	71
48/ 47																				18	73
46/ 45																				2	77
44/ 43																					88
42/ 41																					102
40/ 39																					72
38/ 37																					49
36/ 35																					58
34/ 33																					29
32/ 31																					19
30/ 29																					12
28/ 27																					5
26/ 25																					4
24/ 23																					1

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL		.9	2.9	3.5	4.7	7.0	9.6	12.6	16.8	13.4	11.7	9.4	4.4	1.8	1.3			930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	1765556	37932	40.8	15.333	930
Dry Bulb	4904400	67302	72.4	6.041	930
Wet Bulb	3052824	53130	57.1	4.347	930
Dew Point	1992321	42407	45.6	7.943	930

Mean No. of Hours with Temperature

Element (X)	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.			76.0	44.9	12.1		93
Dry Bulb			.7				93
Wet Bulb		4.1					93
Dew Point							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL 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 - 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															.0	.1	1.3	103	103		
96/ 95														.0	.1	.4	2.0	183	183		
94/ 93													.0	.1	.5	.6	1.5	197	197		
92/ 91													.2	.5	.6	.6	.7	188	188		
90/ 89										.0	.1	.2	.7	1.1	1.0	1.0	.5	338	338		
88/ 87										.0	.1	.5	1.3	1.1	.9	.5	.3	349	349		
86/ 85									.1	.2	.8	1.2	1.3	1.2	1.1	.4	.2	462	462		
84/ 83								.0	.2	.5	.5	1.2	1.0	.8	.3	.1	.1	357	357		
82/ 81								.1	.6	1.2	1.0	1.5	.8	.5	.2	.1		448	448		
80/ 79							.1	.5	.8	1.2	1.1	.9	.4	.3	.1	.0		408	408		
78/ 77					.0	.0	.3	.8	1.1	.9	.8	.7	.3	.1				384	384		
76/ 75					.0	.2	.9	.8	1.4	1.0	.6	.3	.2	.0				404	404		
74/ 73	.0			.0	.2	.5	.7	.8	1.1	.6	.7	.2	.0					368	368	1	1
72/ 71				.1	.4	.8	1.1	1.2	.8	.4	.2	.1	.0					391	391	4	
70/ 69			.1	.2	.9	.7	.9	.9	1.0	.4	.2	.0						399	399	32	
68/ 67			.2	.4	1.1	1.2	1.4	.9	.8	.3	.1	.0						475	475	139	
66/ 65	.0	.0	.6	.7	.7	1.2	1.0	.8	.4	.1								415	415	577	4
64/ 63		.3	.8	.9	.8	1.0	1.2	.3	.3	.0								423	423	984	26
62/ 61	.0	.3	.7	.6	.9	1.1	.8	.4	.2									374	374	1183	113
60/ 59		.2	.6	.4	.8	.5	.6	.2										253	253	1169	178
58/ 57		.2	.4	.4	.5	.6	.3	.1										191	191	966	350
56/ 55		.3	.2	.3	.6	.3	.2											138	138	724	470
54/ 53		.1	.1	.3	.3	.2	.1											80	80	600	638
52/ 51		.0	.1	.1	.1	.0												23	23	454	558
50/ 49				.1	.1	.1												20	20	265	877
48/ 47		.0		.0														2	2	200	725
46/ 45																				94	754
44/ 43																				33	719
42/ 41																				10	634
40/ 39																				3	471
38/ 37																					312

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
36/ 35																					227
34/ 33																					148
32/ 31																					112
30/ 29																					62
28/ 27																					35
26/ 25																					21
24/ 23																					2
22/ 21																					1
TOTAL	.0	1.5	3.9	4.0	7.5	8.5	9.6	7.9	8.8	6.9	6.3	6.8	6.3	5.5	4.8	3.8	7.4	7438	7438	7438	7438

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	14637427	300633	40.4	18.284	7438							
Dry Bulb	43284662	561086	75.4	11.356	7438			552.0	425.5	283.2	54.8	744
Wet Bulb	25589648	434604	58.4	5.129	7438			17.6	.1			744
Dew Point	16735669	340681	46.9	7.242	7438		23.3	.1	.1			744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
88/ 87																.1		1	1		
86/ 85											.1							1	1		
84/ 83									.1	.1	.1	.1						4	4		
82/ 81										.4	.2	.1						7	7		
80/ 79								.5		.9	.1	.2						16	16		
78/ 77							.1	.5	1.1	.3		.1						20	20		
76/ 75						.1	.6	1.0	.8	.3	.2	.3						31	31		
74/ 73						.6	1.2	.6	.6	.9	.3							40	40		
72/ 71				.2	.4	1.2	1.7	1.5	1.2	.9	.1	.1						68	68		
70/ 69				.3	1.4	1.1	1.7	1.5	.9	.2	.3	.4						73	73		
68/ 67			.3	.6	1.6	3.7	3.1	2.6	1.4	.6								130	130	1	
66/ 65		.4	.6	.6	.0	4.1	3.1	2.6	.9	.3	.2							126	126	14	
64/ 63		.3	.9	.9	1.2	3.9	2.3	1.8	.8	.2								113	113	51	3
62/ 61		.1	1.1	1.2	2.3	3.5	2.5	1.2	.6									116	116	85	12
60/ 59		.2	1.1	.5	1.5	1.7	.8	.6	.3									63	63	78	19
58/ 57	.3	.4	.2	.6	1.3	1.5	.8	.2	.1									51	51	109	36
56/ 55		.5	.1	.3	1.2	1.0	.5											34	34	146	55
54/ 53		.1	.1	1.2	.6	.4												23	23	131	72
52/ 51				.2	.6	.1												9	9	113	78
50/ 49			.1	.2														3	3	94	85
48/ 47					.1													1	1	58	93
46/ 45																				32	102
44/ 43																				16	80
42/ 41																				1	74
40/ 39																				1	68
38/ 37																					56
36/ 35																					32
34/ 33																					25
32/ 31																					17
30/ 29																					14
28/ 27																					4
26/ 25																					2
24/ 23																					3

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 2 — 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.3	2.2	4.5	7.0	12.9	22.9	18.4	14.7	8.7	5.2	1.7	1.4				.1		930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2629037	47633	51.2	14.277	930							
Dry Bulb	4024621	60895	65.5	6.337	930			39.1	12.0	1.4		93
Wet Bulb	2813410	50930	54.8	5.115	930			.1				93
Dew Point	2022530	42806	46.0	7.500	930		4.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
78/ 77								.1		.2								3	3		
76/ 75							.1	.2	.1	.1								5	5		
74/ 73						.1	.2	.6	.3									12	12		
72/ 71					.2	.4	.8	.6		.3								23	23		
70/ 69				.1	.6	.6	1.0	.2	.4									28	28		
68/ 67			.1	.6	1.6	1.6	.9	.8	.2									58	58		
66/ 65		.1	.9	1.0	2.0	2.9	1.1	.8	.3	.2	.1							87	87	2	
64/ 63	.1	.1	1.6	2.8	2.9	2.6	1.5	.4	.6	.1								118	118	8	3
62/ 61		.1	1.0	2.5	4.0	2.7	2.9	.8	.3									132	132	33	
60/ 59		.3	2.0	2.3	5.3	2.6	2.4	.6	.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	.6	1.9	3.2	.9	.9	.2										81	81	109	53
54/ 53	.1	.4	.2	2.4	2.5	1.3	.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																					1
TOTAL	.6	3.1	8.4	19.2	27.4	16.2	13.2	3.1	2.6	1.0	.1							930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	3383948	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	7.320	930		4.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
84/ 83												.1						1	1		
82/ 81									.1	.5	.1							7	7		
80/ 79								.4	.1	.1	.1	.1						8	8		
78/ 77							.2	.3	.4			.1	.1					11	11		
76/ 75					.1		.6	.6	1.3	.1	.4							30	30		
74/ 73					.1	.3	1.1	.9	.8	.6	.2							37	37		
72/ 71					.3	1.1	1.3	1.9	.8	.2	.1							53	53		
70/ 69			.1	.2	2.0	1.1	2.2	1.7	1.0	.2	.1							80	80		
68/ 67			.3	.2	1.5	3.9	2.8	1.6	.8	.2								105	105	1	
66/ 65			.5	1.7	2.2	2.8	1.7	1.5	.2	.2	.1							102	102	12	
64/ 63	.1	.1	1.5	2.4	2.7	2.9	2.7	.9	.5									128	128	43	3
62/ 61		.4	1.5	1.6	3.4	3.2	1.3	.4										111	111	64	8
60/ 59	.1	.5	.9	1.7	2.6	1.4	1.0	.2	.1									81	81	116	12
58/ 57	.3	.4	.4	1.7	2.5	1.2	.3	.2										66	66	143	44
56/ 55		.6	.3	1.4	1.7		.5	.1										44	44	122	78
54/ 53		.2	.4	1.2	1.1	.2	.4											33	33	131	79
52/ 51		.2		1.1	.6													18	18	117	83
50/ 49		.1	.2	.4	.3													10	10	79	130
48/ 47			.3		.1													4	4	54	94
46/ 45			.1															1	1	22	102
44/ 43																				21	90
42/ 41																				4	62
40/ 39																				1	57
38/ 37																					35
36/ 35																					18
34/ 33																					17
32/ 31																					7
30/ 29																					5
28/ 27																					4
24/ 23																					2
TOTAL	.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
																				930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	3116566	52240	56.2	14.002	930
Dry Bulb	3870666	59692	64.2	6.507	930
Wet Bulb	2824553	51041	54.9	5.006	930
Dew Point	2133921	44107	47.4	6.725	930

Mean No. of Hours with Temperature

	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.			33.2	9.4	.6		93
Dry Bulb			.1				93
Wet Bulb		1.8					93
Dew Point							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | AUG 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
96/ 95															.1		.2	3	3		
94/ 93																.1	.1	2	2		
92/ 91														.3	.2	.1	.1	7	7		
90/ 89										.1		.3	.5		.1	.3		13	13		
88/ 87											.2	.5	1.2		.2		.1	21	21		
86/ 85									.1	.6	.9	1.1	1.2	.4	.2			42	42		
84/ 83								.1	1.2	1.5	1.5	1.6	.6	.8	.1	.1		70	70		
82/ 81								1.1	1.4	2.0	1.9	1.0	.6	.3	.1			79	79		
80/ 79							.6	1.0	2.0	3.5	1.7	1.9	.2			.1		104	104		
78/ 77						.5	.8	2.6	3.4	2.0	2.0	.9		.1	.1			118	118		
76/ 75						.9	1.6	2.5	2.9	1.8	1.8	.2			.1			110	110		
74/ 73					.3	1.0	1.9	1.7	2.6	1.4	1.0							92	92		
72/ 71				.2	.1	1.2	1.6	2.2	2.2	1.1			.2					81	81	1	
70/ 69					.5	1.6	1.7	1.7	1.1	.5								67	67	4	
68/ 67				.1	1.0	.9	1.0	1.7	1.1	.2		.1						56	56	51	
66/ 65			.6	.1	.2	.6	1.2	.2	.1									29	29	103	
64/ 63		.1	.5	.6	.2	.9	.3	.1										26	26	128	2
62/ 61		.2	.1		.1		.2	.1										7	7	170	24
60/ 59		.2				.1												3	3	156	40
58/ 57																				145	84
56/ 55																				92	83
54/ 53																				52	105
52/ 51																				17	85
50/ 49																				9	121
48/ 47																				2	74
46/ 45																					112
44/ 43																					57
42/ 41																					68
40/ 39																					37
38/ 37																					19
36/ 35																					6
34/ 33																					3
32/ 31																					3
26/ 25																					1

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																					3
22/ 21																					2
TOTAL		.5	1.3	1.1	2.5	7.6	11.0	15.2	18.1	14.9	11.1	7.6	4.6	1.9	1.3	.8	.5	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1685700	37968	40.8	12.083	930							
Dry Bulb	5435939	70851	76.2	6.415	930			86.5	66.1	27.4	.5	93
Wet Bulb	3392358	56040	60.3	4.084	930			5.6				93
Dew Point	2325215	46103	49.6	6.541	930		.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
106/105																	.1	1	1		
104/103																	.1	1	1		
102/101																	.4	4	4		
100/ 99																	1.1	10	10		
98/ 97																.4	1.0	13	13		
96/ 95													.1		.4	1.3	1.0	26	26		
94/ 93													.3	.5	1.2	1.0	1.2	39	39		
92/ 91											.2	.2	.6	1.9	1.2	1.0	.5	53	53		
90/ 89										.1	.1	.9	1.7	3.1	2.2	1.4	.6	94	94		
88/ 87										.2	.2	1.5	1.8	2.3	1.7	.6	.9	86	86		
86/ 85									.3	.6	1.8	2.0	3.2	2.9	2.3	.6	.3	132	132		
84/ 83							.1	.1	1.1	.5	2.2	2.8	3.3	1.4	.1	.2	.4	114	114		
82/ 81							.1	.1	.3	1.8	1.0	2.9	2.2	.6				84	84		
80/ 79								.2	1.1	1.7	1.8	1.8	1.1	.2				74	74		
78/ 77							.1	.1	1.5	1.2	1.5	1.4	.1					55	55		
76/ 75					.1		.1	.5	.6	1.8	1.4	1.1	.1					54	54		
74/ 73					.1	.1	.9	.6	.5	1.1	.8	.4						42	42		
72/ 71						.2	.2	.2	.2	.6	.2	.1						17	17	7	
70/ 69			.2		.1	.3		.1	.2									9	9	19	
68/ 67			.3	.2	.6				.1									12	12	65	
66/ 65		.1	.3	.3														7	7	126	1
64/ 63			.1															1	1	148	9
62/ 61		.1																1	1	194	15
60/ 59		.1																1	1	162	21
58/ 57																				114	26
56/ 55																				61	55
54/ 53																				25	90
52/ 51																				9	92
50/ 49																					111
48/ 47																					94
46/ 45																					111
44/ 43																					102
42/ 41																					64
40/ 39																					57

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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	.6	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	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	935834	27544	29.6	11.368	930							
Dry Bulb	6597704	78058	83.9	7.039	930			92.0	88.2	67.6	9.4	93
Wet Bulb	3526939	57101	61.5	3.830	930			9.1				93
Dew Point	2134425	44109	47.4	6.754	930		1.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
106/105																	.2	2	2		
104/103																	.4	4	4		
102/101																	.6	6	6		
100/ 99																	1.3	12	12		
98/ 97																.3	2.2	23	23		
96/ 95													.1	.1	.3	1.4	3.8	53	53		
94/ 93													.1		1.3	2.3	3.4	66	66		
92/ 91										.1				1.0	2.5	2.2	2.4	75	75		
90/ 89											.2		1.3	2.9	3.1	2.5	2.0	112	112		
88/ 87											.2	.4	1.7	2.9	2.6	1.3	1.3	97	97		
86/ 85									.1		.3	.6	2.3	2.3	3.8	1.9	.5	110	110		
84/ 83									.1	.3	.6	2.6	2.5	2.5	.9	.2	.2	92	92		
82/ 81										.5	1.2	1.1	2.8	2.4	.3			77	77		
80/ 79							.2	.1	.2	.6	.6	.8	1.6	.5	.1			45	45		
78/ 77						.1	.1	.2	1.0	.5	1.2	1.4	.8	.1				50	50		
76/ 75					.1	.1	.4	.2	.6	.8	1.3	.9						41	41		
74/ 73					.1	.2	.9	.2		.3	.6	.2						24	24	1	
72/ 71				.1	.3	.2	.6		.1	.6	.1							20	20	2	
70/ 69						.2	.1	.1										4	4	6	
68/ 67				.2	.2	.3												7	7	18	1
66/ 65		.1	.3															4	4	89	
64/ 63			.3		.1													4	4	178	3
62/ 61			.1															1	1	198	7
60/ 59			.1															1	1	177	15
58/ 57																				137	14
56/ 55																				92	16
54/ 53																				27	49
52/ 51																				5	69
50/ 49																					91
48/ 47																					89
46/ 45																					109
44/ 43																					103
42/ 41																					134
40/ 39																					81

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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	8.0	13.1	14.6	14.8	12.0	8.4	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	720696	23660	25.4	11.307	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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	8		
96/ 95																.4	.6	10	10		
94/ 93															.4	.5	1.4	22	22		
92/ 91										.1			.1	.2	1.2	1.0	1.3	36	36		
90/ 89												.1	.3	1.3	2.4	.9	.6	52	52		
88/ 87												.2	1.0	1.5	2.5	1.6	.5	68	68		
86/ 85										.1	.3	1.4	2.7	2.4	1.8	.9	.1	90	90		
84/ 83									.1	.9	.9	2.9	1.8	2.8	.5	.4	.1	97	97		
82/ 81						.1			.1	1.2	1.2	2.9	2.2	1.9	.4	.2		95	95		
80/ 79								.3	.3	1.6	2.9	2.3	1.6	.6	.1			91	91		
78/ 77						.1	.2	.3	.9	1.3	1.4	1.8	.6	.3				65	65		
76/ 75					.1		.4	.4	1.3	1.0	2.5	1.2	.3	.2				69	69		
74/ 73					.4		.4	.3	1.1	1.0	1.4	.8	.1					51	51	1	
72/ 71					.4	.3	.8	.8	1.1	2.4	.5							58	58	1	
70/ 69			.1	.1	.4	.2	.3	.6	.9	.9	.2	.1						36	36	1	
68/ 67			.3	.1	.8	.5	.4	1.1	.6	.2								38	38	6	2
66/ 65		.1	.3	.2	.3	.1	.4	.2	.1	.1								18	18	53	
64/ 63		.2	.5			.4	.1		.1									14	14	118	5
62/ 61			.3			.1												4	4	166	7
60/ 59		.1	.3															4	4	183	11
58/ 57																				164	18
56/ 55																				113	30
54/ 53																				88	47
52/ 51																				29	47
50/ 49																				6	97
48/ 47																				1	98
46/ 45																					112
44/ 43																					92
42/ 41																					95
40/ 39																					85
38/ 37																					83
36/ 35																					45

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
34/ 33																					26
32/ 31																					16
30/ 29																					7
28/ 27																					3
26/ 25																					4
TOTAL		.4	2.0	.4	2.5	1.9	3.1	4.1	6.6	.6	1.3	13.7	10.8	1.3	9.4	6.0	5.9		930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1052585	28557	30.7	13.752	930							
Dry Bulb	6047005	74637	80.3	7.835	930			89.0	75.8	50.1	4.4	93
Wet Bulb	3259535	54947	59.1	3.757	930			.9	.1			93
Dew Point	1895280	41496	44.6	6.863	930		3.9	.2				93

USAFETAC FORM 0-2' 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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/ 89																	.1	1	1		
88/ 87													.1		.1			2	2		
86/ 85											.3	.2	.1	.2	.2			10	10		
84/ 83										.2		.1	.2	.1			.1	7	7		
82/ 81									.1	.5	.9	.5	.4	.4				27	27		
80/ 79								.2	1.1	1.4	1.2	1.1	.3	.1	.1			51	51		
78/ 77							.1	.8	1.2	1.2	1.0	1.5	.3					56	56		
76/ 75						.2	.9	1.3	1.6	2.4	2.6	1.2	.2					96	96		
74/ 73				.2		.1	1.2	1.2	2.5	2.3	2.2	.8	.2					98	98		
72/ 71				.2	.2	.6	1.0	2.0	1.1	1.4	1.4	.5						87	87		
70/ 69			.1		1.0	.6	1.2	3.5	2.8	1.7	1.4	.1						117	117	1	
68/ 67			.3	.4	1.0	1.5	2.4	1.6	3.0	.9	.4	.1						108	108	2	1
66/ 65		.1	.8	.3	.4	1.1	2.2	2.2	1.9	.6	.1							94	94	19	
64/ 63		.3	.5	1.1	.5	.8	1.5	1.9	.4	.2								68	68	49	4
62/ 61		.3	.6	.3	.3	.6	1.3	.9	.3									46	46	96	11
60/ 59	.1	.8	.2	.4	.3	1.0	.3	.3	.1									37	37	105	14
58/ 57		.2		.2	.4	.8	.1											16	16	152	31
56/ 55		.1		.1	.1	.4												7	7	157	49
54/ 53			.1															1	1	132	69
52/ 51				.1														1	1	104	45
50/ 49																				77	66
48/ 47																				28	76
46/ 45																				7	98
44/ 43																				1	83
42/ 41																					109
40/ 39																					87
38/ 37																					66
36/ 35																					52
34/ 33																					24
32/ 31																					23
30/ 29																					9
28/ 27																					8
26/ 25																					2
24/ 23																					3

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

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

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 2 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.1	1.8	2.8	3.9	4.3	8.0	13.3	15.9	16.1	12.8	11.4	6.1	1.9	.9	.4		.2	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1882262	39398	42.4	15.150	930							
Dry Bulb	4627155	65337	70.3	6.304	930			66.0	34.8	6.7		93
Wet Bulb	2936074	52090	56.0	4.459	930			.3				93
Dew Point	1923457	41705	44.8	7.570	930		4.5	.1				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 TORREJON AB SPAIN/MADRID 68-77 AUG
STATION STATION NAME YEARS 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
106/105																	.0	3	3		
104/103																	.1	6	6		
102/101																	.1	10	10		
100/ 99																	.3	25	25		
98/ 97																.1	.5	44	44		
96/ 95													.0	.0	.1	.4	.7	92	92		
94/ 93													.1	.1	.4	.5	.8	129	129		
92/ 91										.0	.0	.0	.1	.4	.6	.5	.5	171	171		
90/ 89										.0	.0	.2	.5	.9	1.0	.6	.4	272	272		
88/ 87										.0	.1	.3	.7	.8	.9	.5	.3	275	275		
86/ 85									.1	.2	.5	.7	1.2	1.0	1.0	.4	.1	385	385		
84/ 83							.0	.0	.3	.4	.7	1.3	1.1	.9	.2	.1	.1	385	385		
82/ 81						.0	.0	.1	.3	.9	.8	1.1	1.0	.7	.1	.0		376	376		
80/ 79							.1	.3	.6	1.2	1.1	1.0	.6	.2	.0	.0		389	389		
78/ 77						.1	.2	.0	1.2	.8	.9	.9	.2	.1	.0			378	378		
76/ 75					.1	.2	.6	.8	1.2	1.0	1.3	.6	.1	.0	.0			436	436		
74/ 73				.0	.1	.3	1.0	.8	1.0	.9	.8	.3	.0					396	396	2	
72/ 71				.1	.3	.7	1.1	1.2	.8	.9	.3	.1	.0					407	407	11	
70/ 69			.1	.1	.8	.7	1.0	1.2	.9	.4	.3	.1						414	414	31	
68/ 67			.2	.3	1.1	1.6	1.3	1.2	.9	.3	.1	.0						514	514	144	4
66/ 65		.1	.6	.6	.7	1.5	1.2	.9	.4	.2	.1							467	467	418	1
64/ 63	.0	.1	.8	1.0	1.0	1.4	1.0	.6	.3	.1								472	472	723	32
62/ 61		.2	.6	.7	1.3	1.3	1.0	.4	.2									418	418	1006	84
60/ 59	.0	.2	.6	.6	1.2	.8	.6	.2	.1									336	336	1058	145
58/ 57	.1	.3	.2	.7	.9	.7	.3	.1	.0									245	245	1073	282
56/ 55	.2	.3	.1	.5	.4	.3	.2	.0										166	166	892	419
54/ 53	.0	.1	.1	.6	.5	.2	.1	.0										122	122	706	592
52/ 51		.0	.0	.3	.3	.1	.0											50	50	532	575
50/ 49		.0	.1	.1	.1	.1												33	33	366	784
48/ 47			.1	.1	.1	.0												17	17	252	709
46/ 45			.0	.0														5	5	118	846
44/ 43			.0	.0														2	2	73	672
42/ 41																				26	724
40/ 39																				9	528

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 68-77 YEARS | AUG 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																					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	8.7	8.3	7.6	6.8	6.5	5.6	5.2	4.4	3.2	4.1		7440		7440
																		7440		7440	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15406626	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

140.1 STATION — TORREJON AB SP .IN/MADRID STATION NAME — 68-77 YEARS — SEP MONTH

PAGE 1 — 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73						.1	.2	.3	.1	.1							8	8		
72/ 71						.4	1.1	.6	.1	.1							21	21		
70/ 69			.2	.2	.6	.8	.6	.3	.3								27	27		
68/ 67			.3	.1	1.0	1.3	1.2	.3	.1	.6							52	52		
66/ 65		.2	.3	.2	1.3	1.9	1.6	.4	.2	.3							59	59	3	
64/ 63	.1	.7	.8	1.8	1.4	2.0	1.6	.4	.3		.1						83	83	10	5
62/ 61		.3	1.1	1.7	2.0	2.0	1.4	.3									80	80	30	9
60/ 59		1.6	1.8	3.1	2.8	1.6	1.7	.2	.2								116	116	49	9
58/ 57	.1	1.8	2.6	2.4	2.7	1.8	1.0	.2	.1								114	114	84	13
56/ 55		1.4	2.2	2.6	2.6	1.2	.3	.3									96	96	102	47
54/ 53	.3	1.0	1.9	2.2	2.3	1.1	.1										81	81	118	64
52/ 51	.2	.4	2.0	1.1	1.7	.7	.2										57	57	119	79
50/ 49		.9	2.6	.6	1.3	.6											53	53	107	106
48/ 47		.3	.9	.6	.6	.6											26	26	112	88
46/ 45		.1	.2	.7	.1												10	10	61	98
44/ 43		.4	.3	.2	.2												11	11	41	79
42/ 41			.1	.2	.1												4	4	30	58
40/ 39				.1													1	1	20	64
38/ 37																			7	53
36/ 35																			5	35
34/ 33																			1	29
32/ 31																				27
30/ 29																				11
28/ 27																				11
26/ 25																				6
24/ 23																				8
TOTAL	.6	9.2	17.4	17.6	21.5	16.8	11.0	3.0	1.6	1.1	.1						899	899		899
																			899	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3780597	56577	62.9	15.653	899							
Dry Bulb	3111162	52570	58.5	6.425	899			10.8	.8			90
Wet Bulb	2405473	46225	51.4	5.650	899							90
Dew Point	1881899	40539	45.1	7.744	899		6.3					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 68-77 YEARS | SEP 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
70/ 69					.2		.1											3	3		
68/ 67			.1	.2	.8	.2		.1										13	13		
66/ 65		.1	.2	.2	.3	1.0	.1	.1	.1									20	20		
64/ 63	.1	.6	1.1	1.3	1.6	1.6	.7	.1	.1									64	64	6	4
62/ 61	.1		1.3	.7	2.2	1.6	.3	.2	.1									59	59	18	5
60/ 59		2.0	1.4	2.1	2.7	1.6	.3	.1										92	92	17	6
58/ 57	.2	1.7	2.6	4.0	1.6	.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		2.6	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	4.0	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	.3													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	.9	15.9	37.0	23.8	19.3	8.8	3.2	.8	.3									900	900		900
																				900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4529782	62060	69.6	13.976	900							
Dry Bulb	2729682	49274	54.7	5.965	900			1.6				90
Wet Bulb	2228417	44499	49.4	5.605	900		.1					90
Dew Point	1829064	40026	44.5	7.305	900		5.5					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 0600-0800 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	≥ 31				
72/ 71						.7			.1									7	7		
70/ 69					.3	.4	1.1	.1	.1	.1								20	20		
68/ 67			.1	.6	1.1	1.0	.6	.4	.1	.1								36	36		
66/ 65		.1	.6	.7	.6	1.1	.6	.3										35	35		
64/ 63	.1	.4	.7	1.2	1.6	2.4	.8		.2									69	69	6	1
62/ 61	.3	1.0	2.1	1.8	2.0	2.6	.6	.3	.1									97	97	30	8
60/ 59		1.5	2.7	2.7	2.2	.6	.6											90	90	34	9
58/ 57	.1	.9	2.3	3.3	1.9	1.1	.3											90	90	76	28
56/ 55	.3	2.3	3.2	2.9	2.4	1.1	.4	.1										116	116	90	40
54/ 53	.3	2.4	3.6	2.9	1.7	.9	.2											108	108	133	57
52/ 51	.2	.6	3.1	1.2	1.0	.1	.1											57	57	137	76
50/ 49		2.0	4.2	1.4	.6	.1												77	77	90	128
48/ 47		1.5	2.1	.9	1.1	.1												54	54	110	115
46/ 45		.7	.7	.6	.1													18	18	90	95
44/ 43		.1	.3	.4	.2													10	10	42	80
42/ 41		.2	.3	.1														6	6	25	63
40/ 39		.1	.3	.2														6	6	19	63
38/ 37			.2	.2														4	4	9	40
36/ 35																				6	37
34/ 33																				1	19
32/ 31																				2	22
30/ 29																					7
28/ 27																					6
26/ 25																					4
24/ 23																					1
22/ 21																					1
TOTAL	1.4	14.0	26.6	21.1	17.2	12.2	5.2	1.3	.7	.2								900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4452443	61973	68.9	14.347	900
Dry Bulb	2914939	50895	56.6	6.400	900
Wet Bulb	2358951	45801	50.9	5.595	900
Dew Point	1937436	41276	45.9	7.030	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.			6.3				90
Dry Bulb		.2					90
Wet Bulb		4.1					90
Dew Point							

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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
88/ 87															.1			1	1		
86/ 85													.1					1	1		
84/ 83										.1	.1	.2	.1					5	5		
82/ 81									.6	.7	.4	.6			.1			21	21		
80/ 79								.3	1.0	1.0	.7	.2	.2	.1				32	32		
78/ 77							.4	1.0	1.4	.7	.1			.1				34	34		
76/ 75							1.8	1.6	2.0	.9	.2	.2						60	60		
74/ 73					.1	1.2	2.8	2.0	1.2	.6	.6	.1						77	77		
72/ 71				.2	.6	2.2	2.8	2.1	1.2	.4		.1						87	87		
70/ 69				.2	1.7	1.9	2.6	2.0	1.6	.2	.1							92	92		
68/ 67		.1	.1	.2	1.9	4.3	2.6	2.1	1.2	.3								116	116		
66/ 65	.1	.1	.6	1.0	2.0	2.6	2.0	1.6	.2									93	93	31	2
64/ 63		.2	.9	1.4	1.8	1.1	1.8	.4	.4									73	73	70	2
62/ 61	.2	.4	1.0	1.3	2.1	1.1	1.6	1.8	.2									88	88	127	7
60/ 59	.2	.7	1.2	.9	.7	1.4	.4	.2										52	52	145	31
58/ 57		.4	.6	.8	.6	.6	.6											31	31	148	55
56/ 55	.1	.4	.2	.4	.2	.1												14	14	119	87
54/ 53			.3	.3	.6	.3												14	14	101	122
52/ 51		.1		.2														3	3	67	82
50/ 49		.1	.3															4	4	39	117
48/ 47																				36	91
46/ 45			.2															2	2	12	71
44/ 43																				4	57
42/ 41																				1	68
40/ 39																					38
38/ 37																					26
36/ 35																					22
34/ 33																					14
32/ 31																					7
30/ 29																					1
TOTAL	.7	2.7	5.4	7.1	12.1	17.1	19.2	15.1	11.1	4.9	2.2	1.4	.4	.2	.2			900	900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	2667369	47115	52.4	14.949	900
Dry Bulb	4193261	61133	67.9	6.734	900
Wet Bulb	2947788	51290	57.0	4.696	900
Dew Point	2182823	43923	48.8	6.606	900

Mean No. of Hours with Temperature						
	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							90
Dry Bulb			52.6	23.1	3.8		90
Wet Bulb							90
Dew Point		.8					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93																.1	.1	2	2		
92/ 91															.4	.4	.3	11	11		
90/ 89												.1	.7	.7	1.0	.3	.2	27	27		
88/ 87											.3	.2	.4	1.3	.4	.3		28	28		
86/ 85										.2	.2	1.4	1.2	.9	.4	.3	.1	44	44		
84/ 83									.3	1.3	1.0	1.7	.6	1.0				53	53		
82/ 81								.1	.6	2.1	1.3	2.6	1.1	.3	.2		.1	76	76		
80/ 79								.9	.9	3.4	1.6	1.1	.7	.4	.1			82	82		
78/ 77				.1		.1	.3	1.6	2.4	2.1	1.9	1.3	.4	.2	.1			96	96		
76/ 75					.1	.6	1.7	1.2	3.0	1.6	2.6	.8	.2					105	105		
74/ 73					.2	.3	1.0	1.4	2.3	2.2	1.1	.6	.1					84	84		
72/ 71				.1	.7	.9	1.1	1.7	1.1	1.0	.2							61	61	1	
70/ 69			.1	.1	.3	.4	1.4	1.0	1.2	1.2	.1							54	54	1	1
68/ 67			.1	.3	1.0	1.0	1.4	1.1	1.1	.8	.2							69	69	12	
66/ 65		.1	.2	.2	.9	.6	.4	1.0	.7	.6								42	42	67	1
64/ 63	.1	.1	.1	.3		.2	.4	.7	.3	.2								23	23	122	5
62/ 61	.2	.1	.2	.2	.2	.4	.1	.3										17	17	151	14
60/ 59			.2	.1	.2	.3												8	8	156	13
58/ 57		.2			.1	.1												4	4	134	33
56/ 55		.4	.1	.2	.2													9	9	102	62
54/ 53			.2		.2													4	4	63	86
52/ 51				.1														1	1	53	83
50/ 49																				19	123
48/ 47																				18	96
46/ 45																				1	84
44/ 43																					71
42/ 41																					56
40/ 39																					56
38/ 37																					46
36/ 35																					29
34/ 33																					9
32/ 31																					22
30/ 29																					5
28/ 27																					3

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
26/ 25																					1
22/ 21																					1
TOTAL	.3	1.0	1.3	1.9	4.2	5.6	8.0	11.0	14.0	16.8	10.6	9.8	5.4	4.9	2.8	1.6	.9	900	900	900	900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1548956	34980	38.9	14.515	900							
Dry Bulb	5192244	68012	75.6	7.653	900			79.2	60.8	26.3	.2	90
Wet Bulb	3134320	52960	58.8	4.464	900			1.4				90
Dew Point	2048176	42448	47.2	7.164	900		3.2	.1				90

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

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AP SPAIN/MADRID STATION NAME | 58-77 YEARS | SEP MONTH

 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
96/ 95																	.2	2	2		
94/ 93															.1	.3	1.1	14	14		
92/ 91															.7	.7	1.4	25	25		
90/ 89													.3	.8	1.0	1.1	.7	35	35		
88/ 87												.1	.1	1.1	1.1	.9	.8	37	37		
86/ 85											.2	.8	1.3	1.4	1.0	.3	.1	47	47		
84/ 83										.1	.4	2.6	1.9	2.0	.4	.1		68	68		
82/ 81								.1	.3	1.1	1.4	2.8	2.4	.7	.4	.2		86	86		
80/ 79								.1	.9	2.1	3.1	2.8	2.7	.4	.2	.3		114	114		
78/ 77							.3	1.0	1.1	1.8	2.8	2.7	.9	.3	.3			101	101		
76/ 75					.2		.6	.3	1.4	1.8	2.1	1.4	.7					77	77		
74/ 73					.1	.2	.6	.6	1.6	.8	1.2	.9						53	53		
72/ 71				.1	.1	.7	.1	.6	.2	.3	1.0							28	28		
70/ 69			.3	.1		.3	1.0	1.4	1.3	1.0	.8							57	57		
68/ 67		.1	.3		.2	.9	.6	.8	.9	.4	.1							39	39	4	
66/ 65			.4	.2	.8	.6	.1	.6	.4	.2	.4							34	34	32	1
64/ 63		.1	.2	.9	.3	.3	.9	.3	.3	.3								34	34	84	6
62/ 61	.1	.3	.7	.3		.3	.6											21	21	141	7
60/ 59	.1	.1	.4	.4	.2	.3			.1									16	16	166	12
58/ 57		.1	.1	.1	.1	.2												6	6	183	15
56/ 55		.1	.1															2	2	118	35
54/ 53			.2		.2													4	4	73	58
52/ 51																				56	48
50/ 49																				30	74
48/ 47																				6	89
46/ 45																				7	108
44/ 43																					84
42/ 41																					104
40/ 39																					88
38/ 37																					48
36/ 35																					58
34/ 33																					25
32/ 31																					15
30/ 29																					8

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
28/ 27																					4
26/ 25																					7
24/ 23																					6
TOTAL	.2	.9	2.9	2.2	2.3	3.9	4.7	5.8	8.7	10.0	13.7	14.0	10.3	6.8	5.3	4.0	4.3		900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	129177C	30690	34.3	16.049	900							
Dry Bulb	5411807	69385	77.1	8.345	900			78.3	65.9	37.5	1.6	90
Wet Bulb	3044200	52212	58.0	4.113	900			.4				90
Dew Point	1831217	40061	44.5	7.308	900		4.0					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 1800-2000 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	≥ 31				
92/ 91															.1		.3	4	4		
90/ 89													.2	.3	.3	.1	.6	14	14		
88/ 87														.2	.2	.3		7	7		
86/ 85												.3	.2	.4	.6			14	14		
84/ 83												.7	.3	.3	.4	.2		18	18		
82/ 81									.1	.1	.9	2.4	.3	.2				37	37		
80/ 79								.1	.1	1.3	.9	1.6	.7	.3		.1		46	46		
78/ 77							.1	.3	.1	1.0	1.4	.9	.4	.1				40	40		
76/ 75							.6	.6	1.6	1.9	2.3	.9	.7					76	76		
74/ 73						.2	.8	1.1	2.4	1.4	1.7	.9	.1	.1				79	79		
72/ 71				.1		.7	1.3	2.0	1.7	1.8	.6	.4						77	77		
70/ 69				.1	.6	1.1	1.7	1.7	2.4	.9	.3	.3	.1					88	88		
68/ 67			.4	.4	1.0	2.4	1.9	2.3	2.4	.8								111	111		
66/ 65		.1	.3	.1	.8	1.2	1.2	2.0	.8	.4	.1							64	64	11	
64/ 63	.1	.4	.6	.8	.7	.6	2.1	.7	1.1	.2	.2							67	67	29	4
62/ 61		.8	.2	1.0	.3	.6	.4	.6	.2	.1								38	38	81	6
60/ 59		.9	1.0	1.0	1.1	.9	.7	.4	.2									56	56	146	10
58/ 57		.1	.7	.3	.4	.7	.3	.2										25	25	155	29
56/ 55			.2	.0	.2		.2											11	11	134	25
54/ 53		.3	.3	.7	.1	.3		.1										17	17	128	44
52/ 51		.2	.2	.1														5	5	88	64
50/ 49				.3		.2												5	5	66	104
48/ 47						.1												1	1	35	89
46/ 45																				17	94
44/ 43																				6	93
42/ 41																					74
40/ 39																				3	72
38/ 37																				1	50
36/ 35																					58
34/ 33																					33
32/ 31																					21
30/ 29																					12
28/ 27																					6
26/ 25																					6

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																					4
22/ 21																					1
20/ 19																					1
TOTAL	.1	2.9	4.6	5.6	5.0	9.0	11.3	12.1	13.2	10.0	9.0	8.4	3.1	2.1	1.7	.8	.9		900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1952453	38817	43.1	17.594	900							
Dry Bulb	4466157	62977	70.0	8.127	900			61.1	33.5	10.5		90
Wet Bulb	2806848	50094	55.7	4.551	900							90
Dew Point	1831953	40045	44.5	7.471	900		5.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB 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 D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81													.1					1	1		
80/ 79								.1			.2							3	3		
78/ 77									.1	.1	.2	.1						5	5		
76/ 75							.1	.2	.2	.4	.2	.1						12	12		
74/ 73					.2	.1	.4	.9	1.2	.2	.4	.2						34	34		
72/ 71				.1	.1	.2	.9	1.2	1.6	.4	.4	.1						46	46		
70/ 69				.1	.3	.6	1.3	1.2	1.6	.2	.1	.1						50	50		
68/ 67			.2		1.3	1.3	1.3	1.9	2.1	.6	.4							83	83		
66/ 65		.1	.3	.6	.8	1.6	2.1	1.2	1.0		.1							70	70	6	
64/ 63	.1	.1	.4	1.7	2.1	2.3	3.7	1.3	.8	.3								116	116	10	4
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	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		.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																					1
TOTAL	.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
																		900		900	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2913272	48846	54.3	17.079	900							
Dry Bulb	3519403	55973	62.2	6.529	900			23.4	5.5	.1		90
Wet Bulb	2511049	47325	52.6	5.008	900							90
Dew Point	1812102	39790	44.2	7.674	900		6.3					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON .3 SPAIN/MADRID STATION NAME | 68-77 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
96/ 95																	.0	2	2		
94/ 93															.0	.1	.2	16	16		
92/ 91															.2	.1	.3	40	40		
90/ 89												.0	.2	.2	.3	.2	.2	76	76		
88/ 87											.0	.0	.1	.3	.2	.2	.1	73	73		
86/ 85										.0	.1	.3	.4	.3	.3	.1	.0	106	106		
84/ 83									.0	.2	.2	.6	.4	.4	.1	.0		144	144		
82/ 81								.0	.2	.5	.5	1.0	.5	.2	.1	.0	.0	221	221		
80/ 79								.2	.4	1.0	.8	.7	.5	.2	.0	.1		277	277		
78/ 77				.0		.0	.2	.5	.7	.7	.8	.6	.2	.1	.1			276	276		
76/ 75					.0	.1	.6	.5	1.0	.6	.9	.4	.2					330	330		
74/ 73					.1	.3	.7	.8	1.1	.7	.6	.3	.0	.0				335	335		
72/ 71				.1	.2	.7	.9	1.0	.8	.5	.3	.1						327	327	1	
70/ 69			.1	.1	.5	.7	1.2	1.0	1.1	.5	.3	.1	.0					391	391	1	1
68/ 67		.0	.2	.2	1.2	1.6	1.2	1.1	1.0	.4	.1							519	519	16	
66/ 65	.0	.1	.4	.4	.9	1.3	1.0	.9	.4	.2	.1							417	417	150	4
64/ 63	.1	.3	.6	1.2	1.2	1.3	1.5	.5	.5	.1	.0							529	529	337	31
62/ 61	.1	.4	1.0	1.1	1.4	1.4	.9	.6	.2	.0								514	514	605	61
60/ 59	.0	1.0	1.4	1.5	1.6	1.1	.8	.3	.1									554	554	767	99
58/ 57	.1	.6	1.3	1.5	1.2	.6	.5	.1	.0									456	456	944	214
56/ 55	.1	.6	1.4	1.6	1.2	.6	.3	.1										437	437	858	374
54/ 53	.1	.8	1.4	1.3	1.0	.4	.1	.0										371	371	844	526
52/ 51	.1	.5	1.2	.6	.6	.1	.1											219	219	797	534
50/ 49		.6	1.0	.7	.5	.2	.0											255	255	584	849
48/ 47		.5	.8	.4	.4	.2												162	162	516	726
46/ 45		.3	.2	.3	.1	.0												64	64	347	754
44/ 43		.1	.2	.1	.1													37	37	187	668
42/ 41		.1	.2	.1	.1													35	35	104	611
40/ 39		.0	.1	.1														10	10	68	509
38/ 37			.0	.0														6	6	42	370
36/ 35																				23	317
34/ 33																				5	198
32/ 31																				3	151
30/ 29																					72

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

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
28/ 27																					52
26/ 25																					43
24/ 23																					30
22/ 21																					4
20/ 19																					1
TOTAL	.6	6.4	11.8	11.2	12.2	10.9	10.0	7.7	7.4	5.7	4.7	4.3	2.4	1.8	1.3	.8	.8		7199		7199
																		7199		7199	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	23136642	381798	53.0	20.031	7199							
Dry Bulb	31538655	470219	65.3	10.707	7199			313.3	189.6	78.2	1.8	720
Wet Bulb	21432046	390406	54.2	6.011	7199		.3	1.8				720
Dew Point	15353670	328108	45.6	7.460	7199		35.3	.1				720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | OCT 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
68/ 67				.1				.1										2	2		
66/ 65			.2			.1	.1											4	4		
64/ 63		.3	.5	.5	.2	.1	.2	.1										19	19		
62/ 61		.4	1.1	1.3	.6	.1	.1											34	34	6	2
60/ 59	.1	1.2	1.4	1.2	.5	.4	.1	.1										47	47	11	3
58/ 57	1.2	2.5	1.8	1.7	.4	.5	.3	.1										80	80	51	25
56/ 55	1.5	2.3	1.9	2.5	1.3	.4	.3											90	90	66	34
54/ 53	1.0	4.3	1.6	1.7	1.1	.6	.5											102	102	76	61
52/ 51	1.2	2.3	1.5	2.2	1.5	.3	.2											85	85	91	61
50/ 49	1.3	3.1	4.6	2.7	2.3	1.3												142	142	74	92
48/ 47	.8	3.0	3.7	1.2	1.5	.3												97	97	89	67
46/ 45	.8	4.5	1.3	1.4	.4													78	78	122	64
44/ 43	.3	2.7	.5	1.4	.2	.1												49	49	114	85
42/ 41	.2	2.3	.6	.4	.5													39	39	77	75
40/ 39		.9	1.1	.8	.5													30	30	59	76
38/ 37		.6	.5	.4	.1													16	16	36	70
36/ 35		.1	.4	.5														10	10	24	40
34/ 33		.2	.1	.1														4	4	16	54
32/ 31																				12	43
30/ 29	.1	.1																2	2	6	27
28/ 27																					17
26/ 25																					11
24/ 23																					12
22/ 21																					8
20/ 19																					3
TOTAL	7.0	30.8	23.1	20.1	11.3	4.5	1.9	.4										930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5528710	70214	75.5	15.653	930							93
Dry Bulb	2434735	47203	50.8	6.471	930		.2	.2				93
Wet Bulb	2081038	43570	46.8	6.546	930		1.8					93
Dew Point	1769161	39769	42.8	8.527	930		12.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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		.3	.2						.1									6	6		
62/ 61		.2	.9	.4				.1										15	15	3	
60/ 59	.1	.9	.8	1.0	.4	.1	.1											31	31	7	6
58/ 57	.5	1.8	1.9	.9	.6	.2	.2											59	59	22	12
56/ 55	2.2	3.0	1.5	.8	1.0		.1											79	79	58	33
54/ 53	.0	4.0	1.7	1.4	.6		.2											81	81	64	47
52/ 51	.5	1.9	2.7	.5	.3													56	56	66	47
50/ 49	1.4	2.7	4.1	1.2	1.1	.6												103	103	67	78
48/ 47	1.5	3.8	3.0	2.0	1.5	.4												114	114	104	57
46/ 45	1.9	4.0	1.7	1.8	.3	.1												92	92	99	75
44/ 43	.9	4.4	1.6	2.5	.4													91	91	90	72
42/ 41	.5	4.9	2.0	.6	.3													79	79	100	92
40/ 39	.2	2.4	1.8	.2														43	43	88	76
38/ 37		2.2	1.7	.3	.1													40	40	58	72
36/ 35		.6	.9	.2														16	16	42	72
34/ 33		.4	.8	.1														12	12	25	35
32/ 31		.3	.2															5	5	15	54
30/ 29		.3	.3															6	6	14	31
28/ 27	.1																	1	1	6	31
26/ 25	.1																	1	1	2	13
24/ 23																					14
22/ 21																					7
20/ 19																					6
TOTAL	10.8	38.2	27.8	14.0	5.9	1.5	.6	.1	.1										930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6007326	73570	79.1	14.202	930							
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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14911 STATION — TURREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — OCT MONTH

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
68/ 67							.2											2	2		
66/ 65				.2														2	2		
64/ 63		.1	.3	.1	.1			.1										7	7		
62/ 61		.1	1.0	.3	.1	.4		.2										20	20	1	
60/ 59		1.0	1.1	.6	.3	.1												29	29	9	1
58/ 57	.3	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	93	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	.8													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														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	38
32/ 31	.1	.4	.4															9	9	14	54
30/ 29		.3	.2															5	5	14	33
28/ 27	.1	.1																2	2	4	18
26/ 25																				2	19
24/ 23		.1																1	1	1	12
22/ 21																					5
20/ 19																					3
TOTAL	9.1	38.8	28.1	12.7	7.1	2.9	1.0	.3											930		929
																		929		929	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5996550	73444	79.1	14.319	929							
Dry Bulb	2234074	45088	48.5	7.198	930		1.7	.2				93
Wet Bulb	1952208	42086	45.3	7.010	929		3.5					93
Dew Point	1694709	38905	41.9	8.397	929		14.4					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.P.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
78/ 77									.1	.1	.1	.2	.1					6	6		
76/ 75							.2	.1		.2		.1						6	6		
74/ 73						.3	.2		.4	.3	.3							15	15		
72/ 71					.1	.9	.6		.1	.1								17	17		
70/ 69			.1	.1	.4	.2		.3	.5	.4								20	20		
68/ 67				.3	.5	1.6	1.3	.9	.5	.1								49	49	1	
66/ 65			.2	.9	1.7	2.4	.9	.9	.5	.1								70	70	1	1
64/ 63			.3	3.0	1.4	1.8	2.2	.3	.4		.1							89	89	10	
62/ 61	.1	.4	2.6	2.0	2.0	1.0	1.0	.5	.1									91	91	25	2
60/ 59		1.6	2.3	2.6	2.4	2.6	.9	.5										121	121	45	7
58/ 57	.1	1.8	2.0	2.5	2.2	1.1	.8	.4										101	102	118	33
56/ 55	.8	1.6	1.9	1.4	2.2	1.9	.4	.1										96	96	107	59
54/ 53	.2	1.2	2.2	2.0	2.2	.6	.8	.1										86	86	133	84
52/ 51	.1	.8	1.7	1.1	.8	.4	.2											47	47	108	70
50/ 49		.5	1.6	1.4	.2	.8	.2											44	44	102	92
48/ 47		.5	2.2	.3	.8	.3												38	38	99	82
46/ 45		.8	.3	.4	.2													16	16	87	78
44/ 43		.1	.4	.3	.2													10	10	37	80
42/ 41		.1	.2	.2														5	5	19	101
40/ 39				.1														1	1	25	72
38/ 37			.1															1	1	9	51
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	18.2	18.7	17.2	16.1	9.6	4.2	2.8	1.4	.5	.3	.1					929	930	929	929

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3951593	58573	63.0	16.693	929							
Dry Bulb	3249727	54605	58.7	6.850	930			11.3	2.7			93
Wet Bulb	2499450	47902	51.6	5.636	929			.1				93
Dew Point	195[illegible]185	42001	45.2	7.718	929		6.1					93

USAFETAC FORM 0-25-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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
86/ 85												.1			.2	.1		4	4		
84/ 83										.2	.2	.2	.1	.3	.1	.1		12	12		
82/ 81									.3	.3	.1	.6	.2	.5	.1			21	21		
80/ 79								.2	.3	.1	.5	.2	.4	.2				19	19		
78/ 77							.1	.5	.3	.4	.5	.6	.4					28	28		
76/ 75							.6		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			.5	1.1	2.2	2.9	1.9	1.7	.3	.3	.1							103	103	13	
64/ 63		.3	.9	1.4	2.0	2.5	2.0	.6	.5									96	96	24	
62/ 61	.1		1.0	1.2	1.7	1.3	1.4	1.0	.8	.3								81	81	53	3
60/ 59		.6	1.1	.8	1.2	.5	1.4	.4	.6									62	62	120	8
58/ 57		.2	.5	.5	1.0	1.8	.3	.8	.3									51	51	149	26
56/ 55	.4	1.0	.3	.4	1.5	.5	.2	.9										49	49	156	66
54/ 53	.1	.1	1.0		.6	.2	.3	.2										28	28	129	83
52/ 51	.1	.2			.2	.6	.1											19	19	93	74
50/ 49	.1	.2	.3															7	7	62	103
48/ 47		.1																1	1	62	102
46/ 45																				31	75
44/ 43																				21	77
42/ 41																				16	64
40/ 39																				1	73
38/ 37																					60
36/ 35																					29
34/ 33																					23
32/ 31																					17
30/ 29																					13
28/ 27																					16
26/ 25																					13
24/ 23																					5
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	930

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	2612200	46698	50.2	16.964	930
Dry Bulb	4092706	61310	65.9	7.399	930
Wet Bulb	2795116	50766	54.6	5.077	930
Dew Point	1970798	42192	45.4	7.808	930

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.			43.3	16.6	4.1		93
Dry Bulb							93
Wet Bulb		6.4					93
Dew Point							93

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
86/ 85										.1		.1	.2		.1	.2	.3	10	10		
84/ 83										.1	.1	.5	.2	.2	.2	.4		17	17		
82/ 81										.6	.5	.9		.6	.3			28	28		
80/ 79									.4	.3	.5	.4	.6	.2				24	24		
78/ 77								.1	.1	.6	1.0	1.2	.5		.1			34	34		
76/ 75							.2	.1	.6	1.0	1.2	.5		.1				35	35		
74/ 73						.6	1.0	.3	2.2	.5	1.5	.4	.1					62	62		
72/ 71					.1	.8	1.4	1.5	1.4	.9	.8		.1					64	64		
70/ 69					.5	1.2	1.5	1.9	1.5	.8	.3		.1					73	73		
68/ 67				.2	1.7	1.8	1.1	2.7	1.5	.8	.1	.2						94	94	1	
66/ 65			.1	.3	1.8	2.2	1.8	2.3	1.0	.5								93	93	3	
64/ 63		.3	1.0	1.7	1.8	2.3	1.5	.8	.3	.1	.2							93	93	28	
62/ 61		.6	.4	.9	1.1	1.6	1.8	.6	.6	.5	.1							78	78	52	1
60/ 59	.1	.2	.9	.6	1.0	1.3	1.4	1.1	1.0	.2								72	72	104	13
58/ 57	.1	1.4	.5	.9	.8	1.0	.2	.3	.3									51	51	131	25
56/ 55	.1	.6	.2	.8	1.1	.6	.1	.3										36	36	167	49
54/ 53		.4	.8	.8	.9	.3		.5										34	34	130	71
52/ 51		.4	.2	.2	.6	.1	.1											16	16	102	51
50/ 49	.1	.1	.1		.1	.1	.1											6	6	72	88
48/ 47	.2	.4		.1	.1													8	8	59	82
46/ 45		.2																2	2	34	87
44/ 43																				30	87
42/ 41																				11	82
40/ 39																				5	76
38/ 37																				1	59
36/ 35																					51
34/ 33																					23
32/ 31																					30
30/ 29																					14
28/ 27																					8
26/ 25																					10
24/ 23																					17
22/ 21																					4
20/ 19																					2

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.6	4.8	4.2	6.5	11.6	13.9	12.3	12.6	11.0	7.1	6.3	4.3	1.9	1.2	.8	.6	.3	930	930	930	930

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2453040	44568	47.9	18.479	930							
Dry Bulb	4157971	61727	66.4	8.100	930			44.1	21.0	6.3		93
Wet Bulb	2749646	50346	54.1	5.098	930			.1				93
Dew Point	1869785	40991	44.1	8.173	930		8.5					93

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

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 | 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
80/ 79								.1	.1	.1	.1			.1				5	5		
78/ 77									.1		.1							2	2		
76/ 75									.1	.3	.1	.2						7	7		
74/ 73							.3		.2	.1	.4							10	10		
72/ 71					.1	.3	.3	.5	.3	.3	.5	.1						24	24		
70/ 69					.5		.5	.4	.2	.2	.3							21	21		
68/ 67				.2	1.0	.9	1.6	1.1	.6	1.1	.2							62	62		
66/ 65			.5	.8	1.0	1.1	1.2	.9	.5	.5	.1							61	61	1	
64/ 63		.1	1.0	1.9	1.3	.6	1.4	.8	.6									72	72	4	
62/ 61		.5	1.9	2.2	2.2	2.3	1.3	1.2	.2									109	109	22	
60/ 59	.3	.8	1.1	1.5	1.4	1.3	1.3	.8	.1									79	79	51	7
58/ 57	.5	2.7	1.8	1.5	1.5	1.4	1.1	.5	.1	.1								105	105	90	29
56/ 55		1.6	2.4	2.8	2.2	1.2	1.0	.2	.4									109	109	96	54
54/ 53	.1	2.7	3.1	1.4	.6	1.0	.6	.1										90	90	114	62
52/ 51	.1	1.0	1.9	1.2	.9	.9	.4	.1										60	60	131	64
50/ 49	.1	.4	3.4	.5	.4	.4	.1											51	51	134	102
48/ 47	.1	.5	1.2	.3	.1	.3	.1											25	25	96	85
46/ 45		1.0		.6	.3	.3												21	21	77	81
44/ 43		.1	.2	.1	.3													7	7	49	89
42/ 41			.3	.1	.2													6	6	25	69
40/ 39			.2															2	2	16	53
38/ 37			.1															1	1	14	43
36/ 35				.1														1	1	8	55
34/ 33																				1	38
32/ 31																					42
30/ 29																					15
28/ 27																					13
26/ 25																					7
24/ 23																					13
22/ 21																					6
20/ 19																					1
18/ 17																					2
TOTAL	1.3	11.4	19.2	15.3	14.0	11.9	11.3	6.7	3.8	2.8	1.9	.3		.1				930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3842235	57117	61.4	18.971	930							
Dry Bulb	3241084	54510	58.6	7.044	930			13.1	2.4	.1		93
Wet Bulb	2446840	47416	51.0	5.620	930		.1					93
Dew Point	1867714	40938	44.0	8.406	930		9.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71					.1													1	1		
70/ 69					.1		.1	.2	.1									5	5		
68/ 67				.1	.2	.2		.2	.2	.2								11	11		
66/ 65				.8	.1	.4		.2	.1									15	15		
64/ 63		.2	.4	.6	.6	1.2	.4	.2	.2	.1								38	38	2	
62/ 61		.4	1.7	.9	1.1	.8	.2	.8	.1									55	55	6	
60/ 59	.1	1.8	1.9	1.4	1.8	.4	.5	.8										82	82	22	8
58/ 57	1.2	2.2	1.5	1.6	2.2	1.0	.6	.3										98	98	57	30
56/ 55	.3	3.0	2.4	1.3	1.9	1.4	.9	.3										107	108	66	43
54/ 53	.6	3.1	4.1	2.5	2.0	1.5	.2	.3										134	134	93	57
52/ 51	.3	1.4	3.3	.6	1.3	.8	.3											75	75	96	50
50/ 49	.3	2.4	3.8	1.7	1.9	.8												101	101	103	80
48/ 47	.3	1.8	2.8	.6	.9	.4	.1											65	65	118	74
46/ 45	.1	3.3	.4	1.2	.4	.2												53	53	121	80
44/ 43		1.9	.3	.9	.8													36	36	87	90
42/ 41		1.0	.8	.5	.9													29	29	59	93
40/ 39		.2	.5	.1	.3													11	11	39	67
38/ 37		.3		.5														8	8	21	43
36/ 35		.4																4	4	19	52
34/ 33		.1																1	1	13	42
32/ 31																				5	39
30/ 29																					30
28/ 27																					19
26/ 25																					6
24/ 23																					18
22/ 21																					7
20/ 19																					1
TOTAL	3.3	23.7	24.0	15.4	16.7	9.0	3.4	3.3	.8	.3								929	930	929	929

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4648325	65143	70.1	17.382	929
Dry Bulb	2690913	49665	53.4	6.449	930
Wet Bulb	2196667	44815	48.2	6.123	929
Dew Point	1791663	40025	43.1	8.511	929

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			1.7				93
Wet Bulb		.5					93
Dew Point		12.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMFTRIC SUMMARY

14011 STATION | TURREJON AR SPAIN/MADRID STATION NAME | 68-77 YEARS | OCT MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
86/ 85										.0		.0	.0		.0	.0	.0	14	14		
84/ 83										.0	.0	.1	.0	.1	.0	.1		29	29		
82/ 81									.0	.1	.1	.2	.0	.1	.1			49	49		
80/ 79								.0	.1	.1	.1	.1	.1	.1				48	48		
78/ 77							.0	.1	.1	.1	.2	.3	.1		.0			70	70		
76/ 75							.1	.0	.2	.3	.3	.1		.0				89	89		
74/ 73						.1	.3	.1	.6	.2	.3	.1	.0					128	128		
72/ 71					.1	.3	.5	.5	.3	.3	.2	.0	.0					165	165		
70/ 69			.0	.0	.3	.3	.6	.6	.5	.3	.1		.0					205	205		
68/ 67				.1	.8	1.0	.9	.8	.6	.4	.1	.0						342	342	2	
66/ 65			.2	.5	.8	1.1	.7	.7	.3	.2	.0							348	348	18	1
64/ 63		.2	.6	1.2	.9	1.1	1.0	.4	.3	.0	.0							420	420	68	
62/ 61	.0	.3	1.3	1.1	1.1	.9	.7	.6	.2	.1	.0							483	483	170	8
60/ 59	.1	1.0	1.3	1.2	1.1	.9	.7	.5	.2	.0								523	523	369	53
58/ 57	.5	1.9	1.4	1.3	1.2	.9	.5	.3	.1	.0								603	604	649	191
56/ 55	.7	2.2	1.5	1.4	1.6	.8	.4	.2	.1									658	660	775	371
54/ 53	.4	2.4	2.0	1.4	1.1	.6	.4	.2										639	639	809	522
52/ 51	.4	1.2	1.8	1.0	.8	.4	.2	.0										431	431	752	482
50/ 49	.6	1.7	2.7	1.1	.9	.5	.1											561	561	688	708
48/ 47	.5	1.6	2.1	.7	.7	.3	.0											448	448	735	613
46/ 45	.5	2.2	.8	.9	.3	.1												359	359	670	616
44/ 43	.2	1.6	.6	.3	.3	.0												262	262	526	657
42/ 41	.1	1.4	.7	.3	.3													212	212	387	641
40/ 39	.1	.8	.6	.2	.1													133	133	302	570
38/ 37	.0	.7	.5	.2	.0													113	113	201	474
36/ 35	.0	.3	.2	.1														45	45	133	401
34/ 33		.2	.2	.0														28	28	87	279
32/ 31	.0	.1	.1															14	14	47	293
30/ 29	.0	.1	.1															13	13	34	181
28/ 27	.0	.0																3	3	10	138
26/ 25	.0																	1	1	4	86
24/ 23		.0																1	1	1	97
22/ 21																					37
20/ 19																					16

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | OCT 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
18/ 17 TOTAL	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		7440		2 7437
																		7437		7437	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	35239979	489327	65.8	20.233	7437							
Dry Bulb	24290113	418777	56.3	9.827	7440		3.2	113.9	42.7	10.5	.	744
Wet Bulb	18643716	368698	49.6	7.007	7437		9.6	.2				744
Dew Point	14584427	323409	43.5	8.366	7437		85.0					744

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

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 | 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
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	2	
54/ 53		1.6	1.2	.8	.2		.1											35	35	22	5
52/ 51	.3	1.6	1.4	1.0	.3		.1											43	43	27	13
50/ 49	.8	3.9	3.4	.9	.3	.2	.1											87	87	42	43
48/ 47	.4	3.3	1.9	.9	.4	.1												64	64	67	38
46/ 45	1.0	6.8	1.7	1.1	.6	.1												101	101	79	62
44/ 43	.9	4.6	1.8	.8	.6	.1												78	78	94	70
42/ 41		4.9	2.4	.4	.3													73	73	76	70
40/ 39	.4	5.0	1.7	.2	.2													68	68	75	66
38/ 37	.7	5.2	3.1	.4														85	85	96	68
36/ 35	.8	4.4	2.9	.3														76	76	71	92
34/ 33		2.7	1.4	.3	.3													43	43	80	68
32/ 31	.2	5.1	1.2	.3														62	62	52	64
30/ 29	.3	2.6	.1															27	27	64	70
28/ 27	.4	1.6	.1															19	19	32	59
26/ 25	.1	.2																3	3	17	45
24/ 23		.2																2	2	2	29
22/ 21																				1	21
20/ 19																					6
18/ 17																					2
16/ 15																					5
14/ 13																					1
12/ 11																					1
10/ 9																					1
TOTAL	6.5	54.5	25.7	8.5	3.3	.9	.7												899		899
																		899		899	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 77 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5998283	72577	80.7	12.445	899							
Dry Bulb	1634812	37758	42.0	7.385	899		11.3					90
Wet Bulb	1443215	35467	39.5	6.999	899		16.8					90
Dew Point	1238252	32560	36.2	8.105	899		30.4					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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				.2														2	2		
56/ 55		.7	1.0	.3														18	18		
54/ 53	.1	1.4	1.1	.2	.1	.1	.1											29	29	12	3
52/ 51	.2	1.0	1.2	.3	.3													28	28	27	12
50/ 49	.4	3.3	2.2	.9	.1	.1												64	64	32	30
48/ 47	.6	4.1	1.8	.3	.2	.2	.1											66	66	59	33
46/ 45	.7	5.5	1.2	1.1	.2	.2												80	80	63	50
44/ 43	.6	5.1	1.8	.9	.1	.1												77	77	87	56
42/ 41	.6	4.8	2.0	.4	.2													72	72	72	84
40/ 39	1.3	3.8	2.3	.3	.3													73	73	74	66
38/ 37	1.2	6.2	1.9	.4														88	88	73	74
36/ 35	.6	6.8	1.4	.2	.1													82	82	87	54
34/ 33	.9	3.1	1.6	.1	.1													52	52	93	85
32/ 31	.3	4.8	.9	.4														58	58	49	67
30/ 29	.7	3.8	.6															45	45	79	59
28/ 27	1.7	2.1	.2															36	36	51	68
26/ 25	.4	1.3																16	16	24	58
24/ 23	.6	.6																10	10	16	49
22/ 21	.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
																		899		899	

Element (X)	Σx'	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6252636	74188	82.5	12.052	899							
Dry Bulb	1509699	36185	40.3	7.700	899		16.6					90
Wet Bulb	1349598	34212	38.1	7.284	899		22.0					90
Dew Point	1168528	31552	35.1	8.252	899		35.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 — 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
66/ 65									.1									1	1		
58/ 57						.2												2	2		
56/ 55		.6	.6	.4														14	14	4	
54/ 53	.6	1.0	1.2	.3	.2													30	30	9	9
52/ 51	.2	.6	2.0	.7	.1													32	32	21	7
50/ 49	.4	4.0	2.1	.9	.3	.1												71	71	32	27
48/ 47	.6	4.4	2.1	.3	.2													69	69	71	37
46/ 45	1.0	5.3	.6	1.3	.6	.2												81	81	67	65
44/ 43	.6	5.3	1.1	.8	.6													75	75	85	58
42/ 41	.6	3.9	1.6	.7														60	60	62	61
40/ 39	1.8	3.7	2.2	.8														76	76	80	80
38/ 37	1.1	5.1	1.6	.4	.2													76	76	75	61
36/ 35	.8	5.8	.7	.2														67	67	83	60
34/ 33	.4	5.7	1.6	.1														70	70	81	75
32/ 31	.2	5.1	.8	.4														59	59	59	81
30/ 29	1.1	3.9	.4	.1														50	50	63	66
28/ 27	1.7	1.9																32	32	55	52
26/ 25	.4	2.0																22	22	32	64
24/ 23	.4	.7																10	10	17	39
22/ 21	.2	.1																3	3	3	34
20/ 19																				1	12
18/ 17																					9
16/ 15																					3
TOTAL	12.1	59.0	18.4	7.6	2.2	.6			.1									900	900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	6356311	74887	83.2	11.798	900
Dry Bulb	1504158	36102	40.1	7.892	900
Wet Bulb	1350428	34212	38.0	7.451	900
Dew Point	1176451	31667	35.2	8.320	900

Mean No. of Hours with Temperature						
≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
	17.6					90
	23.0					90
	36.0					90

USAFETAC FORM 0-25-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 65-77 YEARS | NOV MONTH

 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
70/ 69										.1								1	1		
68/ 67										.1								1			
66/ 65							.1			.1								2	2		
64/ 63				.1				.1	.1	.1								4	4		
62/ 61			.2	.2		.2	.3	.2	.1									12	12		
60/ 59			.1	.4	.7	.3	.2	.1										17	17		
58/ 57		.2	.4	1.1	1.0	.4	.3	.2										34	34	5	
56/ 55		1.0	1.4	2.2	1.3	.6	.3	.1										63	63	9	1
54/ 53	.3	.9	3.1	2.7	1.0	.6	.1											78	78	18	13
52/ 51	.3	1.1	2.6	1.8	1.6	.3	.4											73	73	51	20
50/ 49	.2	3.1	5.6	1.4	1.1	.4												107	107	93	22
48/ 47	.7	3.6	3.9	2.4	1.4	1.0	.1	.1										119	119	118	64
46/ 45	.9	4.9	2.7	1.2	1.2		.1											99	99	117	88
44/ 43	.8	2.8	2.3	1.9	.7	.1												77	77	112	89
42/ 41	.1	4.0	2.7	1.7	.3													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		898	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4974659	65389	72.8	15.420	898							
Dry Bulb	2063495	42631	47.5	6.650	898		1.2	.2				90
Wet Bulb	1712687	38863	43.3	5.860	898		4.8					90
Dew Point	1385249	34631	38.6	7.445	898		19.2					90

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

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 — 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
74/ 73												.2	.3					5	5		
72/ 71									.1	.1		.1						3	3		
70/ 69					.1			.2	.3	.1	.3	.4						14	14		
68/ 67					.4	.1	.3	.3	.2	.1	.1							15	15		
66/ 65				.2	.2	.8	.7	.6	.2									24	24		
64/ 63				.2	.7	1.9	.8	1.0	.2									43	43		
62/ 61			.2	.7	2.1	2.3	1.2	.8										66	66	1	
60/ 59			.2	.3	2.1	2.1	1.1	.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												17	17	101	98
42/ 41	.1	.3	.1		.3	.2												10	10	70	87
40/ 39		.6	.1	.1	.1													8	8	46	73
38/ 37			.1															1	1	35	70
36/ 35		.1																1	1	2	69
34/ 33																				9	69
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	18.0	9.6	4.8	1.4	.3	.4	.8	.3						900		900
																		900		900	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	3469784	53800	59.8	16.800	900
Dry Bulb	2720277	49147	54.6	6.369	900
Wet Bulb	2032296	42522	47.2	5.088	900
Dew Point	1479952	35858	39.8	7.553	900

Mean No. of Hours with Temperature

	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.			3.7	.5			90
Dry Bulb		.2					90
Wet Bulb		15.6					90
Dew Point							

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
76/ 75													.1	.2				3	3		
74/ 73												.1	.7					7	7		
72/ 71								.1	.1	.1								3	3		
70/ 69						.1	.1	.1	.1		.1							5	5		
68/ 67					.1	.7	.1	.4	.6	.1	.1	.3						22	22		
66/ 65					.2	.7	1.0	.7	.1									24	24		
64/ 63				.1	.6	1.3	1.4	1.1	.3									44	44		
62/ 61				.7	1.0	1.6	1.1	1.6	.1									54	54		
60/ 59			.4	.8	2.4	2.0	2.1	.4										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	6
54/ 53	.2	.8	2.6	2.6	2.4	2.1	.8	.4										107	107	70	12
52/ 51	.1	1.6	2.0	2.2	2.0	.4	.4		.1									80	80	111	32
50/ 49	.1	2.0	3.1	1.9	2.1	1.9	.3	.1										104	104	142	42
48/ 47	.1	.8	2.4	1.2	2.2	.2	.1											64	64	131	69
46/ 45	.3	.9	1.1	1.6	1.7	.2												52	52	120	90
44/ 43		.8	.7	.8	.6													25	25	88	87
42/ 41		.3	1.2	.3	.7	.4												27	27	75	110
40/ 39		.3	.2		.1	.1												7	7	50	88
38/ 37			.1		.1													2	2	36	74
36/ 35				.1														1	1	12	62
34/ 33																				6	64
32/ 31																				4	37
30/ 29																				2	38
28/ 27																					32
26/ 25																					23
24/ 23																					17
22/ 21																					6
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	.2	.4	.8	.2				900	900		900

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3476024	53744	59.7	17.223	900							
Dry Bulb	2693762	48858	54.3	6.788	900			4.0	1.0			90
Wet Bulb	2006095	42229	46.9	5.238	900		.6					90
Dew Point	1451485	35477	39.4	7.680	900		16.4					90

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

USAFETAC

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 | 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	.1										2	2		
64/ 63					.1		.1	.1	.1									4	4		
62/ 61					.1	.2	.2		.2	.2								9	9		
60/ 59		.1	.2	.4	.1	.3	.1											12	12		
58/ 57		.4	.4	1.0	.2	.6		.1	.2									27	27	1	
56/ 55		1.2	1.3	1.7	.2	.7	.3	.1										50	50	11	1
54/ 53	.1	1.6	2.1	2.3	.6	.8	.1	.4										72	72	30	10
52/ 51	.2	2.4	4.1	1.9	.9	.3	.1											90	90	42	21
50/ 49	.2	4.7	6.0	2.4	1.1	.6	.3	.1										139	139	95	59
48/ 47	.2	2.0	5.1	2.9	1.2	.3												106	106	104	56
46/ 45	.2	4.3	2.4	1.8	.6													84	84	99	72
44/ 43	.3	4.4	2.8	2.3	.7	.1												96	96	121	77
42/ 41		2.6	3.4	1.1	.6	.1												70	70	113	77
40/ 39		1.6	2.4	1.9	.2													55	55	78	90
38/ 37	.1	1.6	1.8	.8	.1													39	39	75	94
36/ 35	.2	1.2	.8	.2														22	22	49	74
34/ 33		.8	.4	.3														14	14	48	50
32/ 31		.3	.1	.2														6	6	20	86
30/ 29		.2																2	2	7	38
28/ 27																				5	25
26/ 25																				2	31
24/ 23																					23
22/ 21																					4
20/ 19																					3
18/ 17																					7
16/ 15																					1
14/ 13																					1
TOTAL	1.7	29.4	33.6	21.3	6.7	4.0	1.4	1.1	.6	.2								900	900	900	900

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	4970799	65579	72.9	14.627	900
Dry Bulb	2043943	42509	47.2	6.341	900
Wet Bulb	1704080	38804	43.1	5.874	900
Dew Point	1380711	34571	38.4	7.661	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							90
Dry Bulb		.8	.1				90
Wet Bulb		3.4					90
Dew Point		21.9					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 2100-2300 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	≥ 31				
62/ 61					.1		.2											3	3		
60/ 59		.1		.2	.2	.1	.2											8	8		
58/ 57		.1				.7	.1											8	8	1	
56/ 55	.2	.7	.9	.3	.2	.2		.1										24	24	3	3
54/ 53	.1	1.2	1.3	.8	.2	.2		.1										36	36	13	4
52/ 51	.1	2.0	2.2	.2	.2		.1											44	44	24	11
50/ 49	.4	4.2	3.9	1.1	.6	.1	.6											98	98	61	30
48/ 47	.1	3.8	3.1	1.0	.4	.4												80	80	80	46
46/ 45	.9	6.0	3.0	1.2	.4	.3												107	107	87	75
44/ 43	.2	4.9	3.3	1.8	.4	.2												98	98	85	63
42/ 41		6.8	3.7	.8	.2													103	103	106	71
40/ 39	.1	3.7	4.8	.8	.1													85	85	94	84
38/ 37	.1	3.7	2.7	.6														63	63	90	95
36/ 35	.2	2.9	2.1	.2														49	49	86	87
34/ 33	.3	2.9	1.0	.4	.2													44	44	57	69
32/ 31	.1	2.1	1.2	.1														32	32	52	58
30/ 29		.8	.8	.1														15	15	35	60
28/ 27		.2	.1															3	3	19	49
26/ 25																				5	31
24/ 23																				2	27
22/ 21																					19
20/ 19																					9
18/ 17																					4
14/ 13																					3
12/ 11																					2
TOTAL	3.0	46.0	34.1	9.7	3.4	2.3	1.2	.2										900	900		900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5636277	70189	78.0	13.440	900							
Dry Bulb	1747147	39199	43.6	6.658	900		5.0					90
Wet Bulb	1513919	36463	40.5	6.384	900		11.3					90
Dew Point	1271864	33090	36.8	7.840	900		26.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TURREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | NOV 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
76/ 75													.0	.0				3	3		
74/ 73												.0	.1					12	12		
72/ 71								.0	.0	.0		.0						6	6		
70/ 69					.0	.0	.0	.0	.1	.0	.1	.1						20	20		
68/ 67					.1	.1	.1	.1	.1	.0	.0	.0						39	39		
66/ 65				.0	.1	.2	.2	.2	.1	.0								53	53		
64/ 63				.1	.2	.4	.3	.3	.1	.0								96	96		
62/ 61			.1	.2	.4	.6	.4	.3	.1	.0								145	145	1	
60/ 59		.0	.1	.3	.7	.6	.5	.1										172	172	12	
58/ 57		.3	.5	.8	.8	.7	.3	.1	.1									248	248	27	
56/ 55	.1	.8	1.1	1.4	.9	.7	.4	.3	.0									417	417	111	22
54/ 53	.2	1.1	1.9	1.5	1.1	.8	.3	.2										513	513	250	67
52/ 51	.2	1.4	2.2	1.2	1.1	.3	.2	.0	.0									482	482	422	142
50/ 49	.3	3.5	3.8	1.4	1.0	.6	.3	.0										787	787	629	309
48/ 47	.4	2.9	2.7	1.3	1.1	.4	.0	.0										629	629	761	422
46/ 45	.7	4.3	1.7	1.3	.8	.2	.0											645	645	747	597
44/ 43	.4	3.6	1.7	1.2	.5	.1												543	543	773	598
42/ 41	.2	3.4	2.1	.7	.3	.1												494	494	671	667
40/ 39	.5	2.5	2.0	.6	.2	.0												423	423	576	639
38/ 37	.4	2.9	1.6	.4	.1													383	383	554	605
36/ 35	.3	2.8	1.2	.2	.0													324	324	444	578
34/ 33	.2	2.0	.8	.2	.1													237	237	397	541
32/ 31	.1	2.2	.6	.2														224	224	264	491
30/ 29	.3	1.4	.2	.0														143	143	268	410
28/ 27	.5	.7	.1															91	91	166	352
26/ 25	.1	.4																41	41	80	297
24/ 23	.1	.2																22	22	37	211
22/ 21	.0	.0																4	4	5	127
20/ 19																				1	51
18/ 17																					32
16/ 15																					21
14/ 13																					11
12/ 11																					4
10/ 9																					2

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 YEARS | NOV 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
TOTAL	5.1	36.6	24.3	1. .0	9.3	5.8	3.1	1.7	.5	.2	.1	.2	.1	.0				7196	7196	7196	7196

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	41134773	530353	73.7	16.868	7196							
Dry Bulb	15917293	332389	46.2	8.854	7196		52.5	8.0	1.5			720
Wet Bulb	13112318	302772	42.1	7.202	7196		82.1					720
Dew Point	10552492	269406	37.4	8.051	7196		201.0					720

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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
60/ 59					.1													1	1		
58/ 57				.1														1	1		
56/ 55		.4																4	4	2	
54/ 53	.1	.4	.5	.1														11	11	4	4
52/ 51	.3	1.2	.4	.1														19	19	12	6
50/ 49	.2	2.5	1.3	.8	.2													46	46	19	14
48/ 47	.4	3.9	1.4	.1														54	54	32	19
46/ 45	1.2	4.0	1.6	.9	.3													74	74	66	52
44/ 43	.9	6.2	1.4	.5	.1													85	85	63	54
42/ 41	.6	5.5	1.7	.4														77	77	93	46
40/ 39	.5	4.9	2.0	.3	.1													74	74	76	70
38/ 37	.2	6.0	2.7	.4	.1													88	88	76	81
36/ 35	.8	7.7	2.6	.2														105	105	81	74
34/ 33	.3	7.4	2.0	.1														92	92	127	61
32/ 31	1.0	5.2	1.1	.5	.1													73	73	87	121
30/ 29	.5	4.2	1.3	.2														58	58	72	88
28/ 27	.8	2.6	.8	.1														39	39	49	67
26/ 25	.9	.6																14	14	45	58
24/ 23	.3	1.0																12	12	18	51
22/ 21																				5	20
20/ 19		.2																2	2	2	13
18/ 17		.1																1	1		15
16/ 15																				1	6
14/ 13																					6
12/ 11																					3
8/ 7																					1
TOTAL	9.0	64.1	20.9	4.9	1.1													930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
60/ 59					.1													1	1		
58/ 57				.1	.1	.1												3	3		
56/ 55		.1			.1													2	2		
54/ 53		.3	.6	.1														10	10	3	1
52/ 51		.5	.5															10	10	4	3
50/ 49	.4	1.2	.9															23	23	23	9
48/ 47		3.8	1.8	.2		.1												55	55	20	13
46/ 45	1.0	4.7	1.5	.1	.1													69	69	70	45
44/ 43	1.4	4.3	1.2	.6	.1													71	71	59	55
42/ 41	.4	6.1	1.4	.8	.1													82	82	73	57
40/ 39	.9	6.0	1.7	.1														81	81	77	69
38/ 37	.5	5.8	1.6	.1														75	75	73	80
36/ 35	.4	6.1	1.4	.2														76	76	78	69
34/ 33	1.3	6.5	1.8	.2														91	91	91	56
32/ 31	.5	6.1	1.1	.2														74	74	81	69
30/ 29	.4	6.0	.4	.1														65	65	101	93
28/ 27	1.3	2.7	1.2															48	48	53	74
26/ 25	.6	4.3	.4															50	50	58	65
24/ 23	.6	3.1																35	35	42	65
22/ 21	.1	.5																6	6	16	39
20/ 19		.1																1	1	6	29
18/ 17	.1	.1																2	2	1	23
16/ 15																				1	5
14/ 13																					10
12/ 11																					1
TOTAL	10.1	68.5	17.6	2.9	.6	.2													930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6695761	78413	84.3	9.530	930							
Dry Bulb	1324992	34384	37.0	7.606	930		28.1					93
Wet Bulb	1204816	32770	35.2	7.345	930		35.9					93
Dew Point	1049187	30281	32.6	8.250	930		47.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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/ 5		.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														52	52	57	48
40/ 39	.5	6.8	2.5	.3	.2													96	96	67	58
38/ 37	.3	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															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	11.7	70.6	13.8	2.8	1.0	.1												930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6766258	78852	84.8	9.316	930							
Dry Bulb	1305612	34050	36.6	7.965	930		31.9					93
Wet Bulb	1191032	32514	35.0	7.645	930		36.0					93
Dew Point	1040883	30091	32.4	8.509	930		48.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

 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
64/ 63						.1												1	1		
60/ 59					.2													2	2		
58/ 57		.2	.1		.1													4	4		
56/ 55		.3	.2	.1	.8	.3			.1									17	17	3	1
54/ 53	.1	1.0	1.1	.8	.6			.1										34	34	8	4
52/ 51	.3	.4	1.5	.8	.4	.1												33	33	16	12
50/ 49	.4	1.4	3.2	.9	.1	.2												58	58	24	13
48/ 47	.4	3.5	2.8	1.1	1.1	.1	.1											85	85	57	16
46/ 45	.6	5.2	2.3	1.5	.9	.1												98	98	89	52
44/ 43	.2	5.3	3.3	1.5	.8	.1												104	104	80	54
42/ 41	.2	6.0	4.5	.8	.3		.1											111	111	113	87
40/ 39	.3	4.7	4.1	.8	.3													95	95	102	85
38/ 37	.5	6.1	2.6	.8	.1													94	94	113	99
36/ 35	.3	5.3	1.3	.5	.1													70	70	98	97
34/ 33	.3	2.9	1.0	.4														43	43	85	96
32/ 31	.1	1.6	1.2															27	27	50	82
30/ 29	.3	1.7	.6															25	25	47	69
28/ 27	.2	1.6																17	17	24	46
26/ 25		.6																6	6	15	34
24/ 23		.6																6	6	3	44
22/ 21																				3	21
20/ 19																					8
18/ 17																					6
16/ 15																					1
14/ 13																					2
8/ 7																					1
TOTAL	4.5	48.6	29.8	9.8	5.8	1.1	.2	.1	.1									930	930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Tem						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 7[illegible] F	≥ 8[illegible]	[illegible]93 F	Total
Rel. 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

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

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 — 1200-1400 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	≥ 31				
66/ 65						.1												1	1		
64/ 63				.1			.1											2	2		
62/ 61				.2	.3	1.0	.4		.1	.2								21	21		
60/ 59		.1	.2	.3	.5	.8	.1			.1								20	20		
58/ 57		.4	.3	.9	1.4	1.3	.5	.3	.2	.1	.2							53	53	3	
56/ 55		.9	1.1	1.4	1.0	1.1	.4	.1										55	55	10	1
54/ 53		.8	1.1	2.0	3.6	1.4	.5	.1										88	88	26	13
52/ 51	.3	.5	1.4	4.0	2.6	1.2	.4											97	97	43	18
50/ 49		1.6	5.5	4.3	3.8	1.9												159	159	63	22
48/ 47		2.6	3.9	2.5	1.5	1.2	.4	.1										113	113	104	33
46/ 45	.2	3.7	2.2	1.8	1.2	.6	.3											93	93	139	46
44/ 43	.1	2.3	2.4	1.4	.8	.5	.1											70	71	146	80
42/ 41	.1	1.9	2.5	1.6	1.0	.4												70	70	119	88
40/ 39		2.4	.8	1.1	.9													47	47	89	111
38/ 37		1.0	.5	.1	.1													16	16	78	106
36/ 35	.2	.5	.3	.2														12	12	56	101
34/ 33		.3	.2	.1														6	6	31	65
32/ 31		.2	.3															5	5	11	79
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
8/ 7																					1
TOTAL	1.0	19.2	22.6	22.1	18.5	11.5	3.4	.6	.3	.4	.2								929		928
																		928		928	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4276206	61176	65.9	16.202	928							
Dry Bulb	2231708	45186	48.6	6.043	929		.5					93
Wet Bulb	1758843	40097	43.2	5.330	928		2.1					93
Dew Point	1320205	34275	36.9	7.652	928		24.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
64/ 63				.2	.1	.1	.2											6	6		
62/ 61				.4	.3	.3	.4			.1								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							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										84	84	28	10
52/ 51		.8	2.7	2.7	3.1	1.0	.1											96	96	31	19
50/ 49	.1	1.7	4.2	4.0	3.1	.9	.4											134	134	52	25
48/ 47	.2	2.3	3.5	2.7	1.1	.8	.4	.1										103	103	103	33
46/ 45	.1	3.4	2.6	2.9	1.6	.6												105	105	143	52
44/ 43	.1	2.7	2.6	1.6	1.6	.1												81	81	142	65
42/ 41	.1	3.1	3.2	2.3	1.2	.4	.1											97	97	112	110
40/ 39		1.1	1.5	.9	.5													37	37	89	100
38/ 37		2.0	1.0	.4	.3													35	35	84	120
36/ 35	.1	.3	.6	.4	.2													16	16	65	104
34/ 33		.4	.4	.2														10	10	28	65
32/ 31			.2															2	2	22	40
30/ 29																				11	43
28/ 27																				3	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		930	

Elemen. (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4443947	62571	67.3	15.875	930							
Dry Bulb	2177290	44626	48.0	6.218	930		.2					93
Wet Bulb	1736240	39850	42.8	5.557	930		3.6					93
Dew Point	1321121	34303	36.9	7.754	930		22.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
62/ 61					.1													1	1		
60/ 59					.1													1	1		
58/ 57		.1	.1															2	2		
56/ 55	.1	.4	.4	.1			.1											11	11	4	1
54/ 53	.1	.5	1.1	.4														20	20	8	5
52/ 51	.3	1.7	.9	.4	.9				.1									40	40	15	7
50/ 49	.2	2.7	2.6	1.3	.5													70	70	31	21
48/ 47	.5	4.6	3.7	.4	.6	.3												95	95	51	32
46/ 45	.6	6.3	3.4	1.4	.5		.2											117	117	84	51
44/ 43	.2	7.2	3.0	1.9	.8	.1												123	123	109	73
42/ 41	.2	5.3	3.9	.6	.1													94	94	112	62
40/ 39		4.3	5.4	1.3	.1													103	103	104	75
38/ 37	.2	4.3	3.9	.9	.1													87	87	114	101
36/ 35		2.8	2.6	1.2	.1													62	62	95	107
34/ 33	.3	1.6	1.5	.3	.2													37	37	78	79
32/ 31	.1	2.6	2.2	.3														48	48	46	95
30/ 29		.9	.2	.1														11	11	41	57
28/ 27	.1	.5	.1															7	7	28	55
26/ 25		.1																1	1	8	39
24/ 23																				2	33
22/ 21																					9
20/ 19																					9
18/ 17																					6
16/ 15																					4
14/ 13																					2
12/ 11																					4
10/ 9																					2
TOTAL	3.1	46.0	35.1	10.8	4.2	.4	.3		.1										930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5807693	72579	78.0	12.428	930							
Dry Bulb	1697208	39332	42.3	6.028	930		6.7					93
Wet Bulb	1476480	36652	39.4	6.049	930		12.5					93
Dew Point	1236078	33148	35.6	7.665	930		31.5					93

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
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		.1													20	20	7	8
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	2.6	.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
14/ 13																					6
12/ 11																					3
TOTAL	4.8	63.7	23.9	6.5	.9	.2	.1											930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6318509	75977	81.7	10.956	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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 68-77 YEARS — DEC 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
66/ 65						.0												1	1		
64/ 63				.0	.0	.0	.0											9	9		
62/ 61				.1	.1	.2	.1		.0	.0								38	38		
60/ 59		.0	.0	.1	.2	.1	.1	.0	.0	.0								57	57		
58/ 57		.1	.2	.2	.2	.3	.1	.1	.0	.0	.0							99	99	6	
56/ 55	.0	.4	.3	.3	.4	.3	.1	.0	.0	.0								140	140	34	3
54/ 53	.1	.7	.9	.6	1.0	.3	.1	.0										275	275	89	43
52/ 51	.2	.8	1.0	1.0	.9	.3	.1		.0									320	320	136	78
50/ 49	.3	1.8	2.5	1.5	1.0	.4	.1											562	562	255	127
48/ 47	.3	3.5	2.5	1.0	.6	.3	.1	.0										619	619	416	183
46/ 45	.7	4.9	2.0	1.1	.6	.2	.1											714	714	728	385
44/ 43	.5	5.0	2.0	1.1	.5	.1	.0											693	694	761	502
42/ 41	.3	4.8	2.6	1.0	.3	.1	.0											688	688	767	573
40/ 39	.3	4.5	2.7	.6	.3													627	627	674	631
38/ 37	.3	4.7	2.2	.4	.1													573	573	708	743
36/ 35	.4	4.4	1.5	.5	.1													507	507	683	700
34/ 33	.5	3.6	1.2	.2	.0													412	412	627	579
32/ 31	.4	3.6	1.0	.2	.0													385	385	432	664
30/ 29	.3	2.6	.4	.1														253	253	460	531
28/ 27	.6	1.6	.5	.1														200	200	241	474
26/ 25	.4	1.3	.1															133	133	208	365
24/ 23	.1	1.2	.0															103	103	125	354
22/ 21	.0	.2																18	18	64	159
20/ 19	.0	.1																9	9	19	140
18/ 17	.0	.0																3	3	3	97
16/ 15																				2	45
14/ 13																					36
12/ 11																					16
10/ 9																					7
8/ 7																					3
TOTAL	5.6	50.1	23.7	10.2	6.4	2.6	.9	.2	.1	.1	.0							7438	7439	7438	7438

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	46720399	579879	78.0	14.259	7438							
Dry Bulb	13326792	309066	41.5	8.084	7439		110.4					744
Wet Bulb	11441123	286823	38.6	7.155	7438		155.4					744
Dew Point	9436891	258059	34.7	8.064	7438		289.2					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 68-78 YEARS — 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
106/105																	.0	3	3		
104/103																	.0	8	8		
102/101																	.0	23	23		
100/ 99																	.1	83	83		
98/ 97															.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	.1	.2	.2	.2	.1	774	774		
88/ 87										.0	.0	.1	.2	.2	.2	.1	.1	843	843		
86/ 85									.0	.0	.1	.3	.3	.3	.3	.1	.0	1264	1264		
84/ 83							.0	.0	.1	.1	.2	.4	.3	.2	.1	.0	.0	1209	1209		
82/ 81						.0	.0	.0	.1	.3	.3	.4	.3	.2	.0	.0	.0	1457	1457		
80/ 79							.0	.1	.2	.4	.3	.3	.2	.1	.0	.0		1511	1511		
78/ 77				.0	.0	.0	.1	.2	.4	.3	.3	.3	.1	.0	.0			1504	1504		
76/ 75					.0	.1	.3	.2	.4	.4	.4	.2	.1	.0	.0			1776	1776		
74/ 73	.0			.0	.1	.1	.3	.3	.5	.3	.3	.1	.0	.0				1812	1812	3	1
72/ 71			.0	.0	.1	.3	.4	.5	.4	.3	.1	.0	.0					1910	1910	17	
70/ 69		.0	.0	.1	.3	.3	.5	.5	.4	.2	.2	.0	.0					2206	2206	79	1
68/ 67		.0	.1	.1	.5	.7	.6	.6	.4	.2	.1	.0	.0					2954	2954	391	5
66/ 65	.0	.0	.2	.3	.4	.7	.6	.5	.2	.1	.0		.0					2707	2707	1478	18
64/ 63	.0	.1	.3	.6	.5	.7	.7	.4	.2	.1	.0	.0						3255	3255	2665	120
62/ 61	.0	.2	.5	.6	.7	.8	.6	.4	.2	.0	.0							3519	3519	3883	390
60/ 59	.0	.3	.6	.7	.9	.7	.6	.3	.1	.0	.0							3568	3568	4755	686
58/ 57	.1	.6	.6	.8	.9	.7	.4	.2	.1	.0	.0							3866	3867	5433	1408
56/ 55	.1	.8	.9	.9	.9	.6	.4	.1	.0	.0								4237	4239	5438	2397
54/ 53	.1	.9	1.2	1.2	.9	.6	.3	.1	.0	.0	.0							4650	4650	5636	3652
52/ 51	.1	.8	1.3	.8	.7	.4	.1	.0	.0	.0								3776	3777	5778	3860
50/ 49	.1	1.5	2.2	1.0	.9	.5	.1	.0	.0	.0								5593	5594	5727	6037
48/ 47	.2	1.6	1.8	.8	.6	.3	.0	.0										4720	4720	6517	5863
46/ 45	.3	2.3	1.2	.8	.5	.1	.0	.0	.0									4562	4562	6216	6979
44/ 43	.2	2.2	1.1	.6	.4	.1	.0	.0	.0									4196	4197	6126	7121
42/ 41	.1	2.1	1.3	.6	.3	.1	.0	.0										3917	3917	5433	7493
40/ 39	.1	1.5	1.3	.5	.1	.0												3179	3179	4536	6771

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION | TURREJON AB SPAIN/MADRID STATION NAME | 68-78 YEARS | 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											2650	2650	4121	6311
36/ 35	.1	1.5	.9	.2	.0	.0												2319	2319	3458	5618
34/ 33	.1	1.2	.7	.1	.0	.0												1870	1870	3031	4468
32/ 31	.1	1.2	.5	.1	.0	.0												1634	1635	2149	4617
30/ 29	.1	.9	.2	.0														1088	1088	2030	3635
28/ 27	.2	.5	.1	.0	.0													767	767	1202	3103
26/ 25	.1	.4	.0	.0														446	446	732	2401
24/ 23	.0	.2	.0	.0														262	262	372	2112
22/ 21	.0	.1	.0															70	70	175	926
20/ 19	.0	.0																22	23	62	635
18/ 17	.0	.0	.0															7	7	15	374
16/ 15		.0	.0															5	5	3	173
14/ 13		.0																2	2	6	135
12/ 11		.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	11.2	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		87478		87470
																		87470		87470	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	381636807	5450257	62.3	21.921	87470
Dry Bulb	290283757	4855347	55.5	15.418	87478
Wet Bulb	205827621	4153911	47.5	9.893	87470
Dew Point	151309561	3544769	40.5	9.356	87470

Mean No. of Hours with Temperature						
≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
	430.2	2059.6	1351.7	742.6	92.9	8760
	674.7	49.0	.3			8760
1.5	1829.2	.7	.1			8760

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14011 — STATION
TORREJON AB SPAIN/MADRID — STATION NAME
68-78 — YEARS

HRS (L S T)		JAN	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	38.0	38.8	40.7	45.7	50.7	58.6	66.4	65.5	58.5	50.8	42.0	38.5	49.6
	S D	7.084	6.561	6.275	6.156	6.720	6.442	5.832	6.337	6.425	6.471	7.385	7.029	12.102
	TOTAL OBS	930	846	930	819	929	900	930	930	899	930	899	930	10872
03-05	MEAN	34.7	37.1	38.1	42.5	47.3	54.3	61.0	60.6	54.7	48.0	40.3	37.0	46.5
	S D	7.523	7.165	6.738	6.576	6.398	5.683	5.422	5.649	5.965	6.835	7.700	7.606	11.108
	TOTAL OBS	930	846	930	833	929	899	930	930	900	930	899	930	10886
06-08	MEAN	34.1	36.7	38.5	45.2	52.3	60.4	67.2	64.2	56.6	48.5	40.1	36.6	48.6
	S D	8.047	7.307	6.930	6.686	7.133	6.510	6.211	6.507	6.400	7.198	7.892	7.965	13.030
	TOTAL OBS	929	846	930	899	930	900	929	930	900	930	900	930	10953
09-11	MEAN	41.1	42.4	47.4	54.4	61.3	70.3	78.8	76.2	67.9	58.7	47.5	41.9	57.5
	S D	6.369	5.913	6.145	6.101	7.863	7.558	5.978	6.415	6.734	6.850	6.650	6.770	14.571
	TOTAL OBS	929	846	930	900	928	900	930	930	900	930	898	930	10951
12-14	MEAN	48.0	50.6	54.0	60.2	66.7	76.3	86.2	83.9	75.6	65.9	54.6	48.6	64.3
	S D	5.864	5.403	6.531	7.111	9.115	8.733	6.615	7.039	7.653	7.399	6.869	6.043	14.927
	TOTAL OBS	930	846	930	899	929	900	929	930	900	930	900	929	10952
15-17	MEAN	48.5	51.8	55.1	61.3	67.7	77.3	88.2	85.8	77.1	66.4	54.3	48.0	65.2
	S D	6.299	5.794	7.097	7.701	9.619	9.400	6.700	7.288	8.345	8.100	6.788	6.218	15.635
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	42.6	45.5	49.4	56.3	62.9	72.8	83.3	80.3	70.0	58.6	47.2	42.3	59.3
	S D	5.954	5.789	6.716	7.288	9.257	9.220	7.235	7.835	8.127	7.044	6.341	6.028	15.785
	TOTAL OBS	929	846	930	900	930	900	930	930	900	930	900	930	10955
21-23	MEAN	39.5	41.2	43.7	49.6	55.0	63.5	72.4	70.3	62.2	53.4	43.6	39.5	52.9
	S D	6.469	6.262	5.972	6.173	7.381	7.035	6.041	6.304	6.529	6.449	6.658	6.631	13.156
	TOTAL OBS	930	846	929	900	928	900	930	930	900	930	900	930	10953
ALL HOURS	MEAN	41.3	43.1	45.8	52.1	58.0	66.7	75.4	73.3	65.3	56.3	46.2	41.5	55.5
	S D	8.080	8.320	9.060	9.512	10.773	11.160	11.356	11.186	10.707	9.827	8.854	8.084	15.418
	TOTAL OBS	7437	6768	7439	7050	7433	7199	7438	7440	7199	7440	7196	7439	87478

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-78 (YEARS)

HRS (L S T)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	34.1	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	899	930	899	930	10872
03-05	MEAN	35.0	35.1	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	41.5	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	900	929	900	930	10951
09-11	MEAN	38.3	39.6	41.7	47.0	52.3	58.1	61.3	60.3	57.0	51.5	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	900	929	898	930	10949
12-14	MEAN	42.5	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	900	929	930	900	930	900	928	10951
15-17	MEAN	42.8	44.0	45.1	49.6	53.9	59.0	61.3	60.6	56.0	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	39.5	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 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-78 (YEARS)

HRS (L S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	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	.892	7.263	6.417	6.613	7.598	7.500	7.744	8.527	8.105	8.014	9.534
	TOTAL OBS	930	846	930	819	929	900	930	930	899	930	899	930	10872
03-05	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	8.252	8.250	9.641
	TOTAL OBS	930	846	930	833	928	899	930	930	900	930	899	930	10885
06-08	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	8.320	8.509	10.185
	TOTAL OBS	928	846	930	899	930	900	929	930	900	929	900	930	10951
09-11	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
12-14	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
15-17	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	7.215	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
18-20	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
21-23	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
ALL HOURS	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

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14611 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

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 69-78 (PERIOD) FEB (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%		
FEB	00-02	100.0	100.0	100.0	99.9	98.5	94.9	77.4	55.7	22.3	80.3	846
	03-05	100.0	100.0	100.0	99.6	99.1	96.2	85.2	62.6	25.3	82.1	846
	06-08	100.0	100.0	100.0	99.9	99.4	97.0	87.0	68.2	28.7	83.2	846
	09-11	100.0	100.0	99.8	98.8	91.6	77.1	57.2	35.1	13.1	73.2	846
	12-14	100.0	99.8	97.3	86.9	63.5	40.9	27.0	13.2	4.7	58.9	846
	15-17	100.0	99.1	94.3	81.4	53.2	35.1	22.3	9.9	2.8	55.4	846
	18-20	100.0	100.0	99.6	96.7	89.8	73.9	46.8	22.6	7.3	69.3	846
	21-23	100.0	100.0	99.6	98.8	96.6	87.2	65.6	40.9	14.8	76.1	846
TOTALS		100.0	99.9	98.8	95.3	86.4	75.3	58.6	38.5	14.9	72.3	6768

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION | TORREJON AB SPAIN/MADRID STATION NAME | 68-77 PERIOD | MAR 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%		
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	96.3	88.4	77.1	62.3	45.5	26.6	6.5	65.8	7438

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (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

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION | TURREJON AB SPAIN/MADRID STATION NAME | 68-77 PERIOD | MAY 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%		
MAY	00-02	100.0	100.0	100.0	98.7	93.9	83.6	68.1	39.4	13.6	75.2	929
	03-05	100.0	100.0	100.0	100.0	98.4	91.3	79.7	56.1	18.6	80.0	928
	06-08	100.0	100.0	99.9	98.6	93.4	81.3	62.9	37.4	10.1	73.8	930
	09-11	100.0	99.8	97.3	84.6	62.0	36.6	20.7	6.6	1.6	56.4	928
	12-14	100.0	98.4	84.5	59.8	34.2	18.9	9.6	3.8	.9	46.5	929
	15-17	100.0	95.1	76.9	48.4	29.8	16.7	9.5	4.6	.5	43.6	930
	18-20	100.0	98.0	87.5	71.6	51.0	32.3	20.5	8.7	2.2	52.7	930
	21-23	100.0	100.0	98.8	92.6	82.1	63.5	47.3	23.1	7.0	66.8	928
TOTALS		100.0	98.9	93.1	81.8	68.1	53.0	39.8	22.5	6.8	61.9	7432

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (PERIOD) JUN (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%		
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	99.8	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

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 63-77 (PERIOD) JUL (MONTH)

UMULATIVE 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%		
JUL	00-02	100.0	99.9	93.0	73.8	45.8	25.5	12.8	5.6	1.0	51.2	930
	03-05	100.0	100.0	99.4	91.4	71.8	43.3	25.9	10.5	1.8	60.0	930
	06-08	100.0	100.0	97.1	82.0	52.5	29.1	14.2	5.3	1.1	53.7	929
	09-11	100.0	95.6	74.6	35.7	11.3	4.4	1.2	.6	.1	38.1	930
	12-14	100.0	75.1	30.5	8.4	2.9	1.7	1.0	.2	.1	27.6	929
	15-17	99.9	56.2	16.0	5.9	2.6	.9	.1	.1		23.7	930
	18-20	100.0	70.5	30.9	12.8	7.1	3.9	1.2	.5	.2	28.3	930
	21-23	100.0	96.8	71.2	41.8	21.2	11.7	6.5	2.3	.3	40.8	930
TOTALS		100.0	86.8	64.1	44.0	26.9	15.1	7.9	3.1	.6	40.4	7438

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (PERIOD) AUG (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%		
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	42.4	930
TOTALS		99.9	91.0	67.7	47.8	30.4	16.2	7.7	2.8	.6	41.9	7440

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON 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	96.4	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	13.8	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

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON AB SPAIN/MADRID (STATION NAME) 68-77 (PERIOD) OCT (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%		
OCT	00-02	100.0	100.0	100.0	98.3	92.2	80.3	64.8	42.5	19.8	75.5	930
	03-05	100.0	100.0	100.0	99.1	96.5	88.3	73.1	51.6	24.6	79.1	930
	06-08	100.0	100.0	100.0	99.2	95.2	87.1	74.2	52.0	24.7	79.1	929
	09-11	100.0	100.0	98.4	90.0	75.1	54.8	37.2	15.0	5.2	63.0	929
	12-14	100.0	98.6	87.7	69.7	45.8	25.1	13.5	5.3	2.2	50.2	930
	15-17	100.0	96.5	81.7	59.7	41.3	22.8	12.4	7.1	2.6	47.9	930
	18-20	100.0	99.8	94.8	84.3	66.8	53.1	38.8	16.5	5.4	61.4	930
	21-23	100.0	100.0	99.4	93.9	84.3	67.2	54.9	32.9	13.0	70.1	929
TOTALS		100.0	99.4	95.3	86.8	74.7	59.8	46.1	27.9	12.2	65.8	7437

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TORREJON 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

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-77 (PERIOD) DEC (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%		
DEC	00-02	100.0	100.0	100.0	99.9	99.1	95.7	86.2	69.1	25.4	83.1	930
	03-05	100.0	100.0	100.0	99.9	99.7	97.7	91.5	74.2	29.6	84.3	930
	06-08	100.0	100.0	100.0	100.0	99.2	97.6	92.5	77.0	30.6	84.8	930
	09-11	100.0	99.9	99.7	99.1	97.0	88.5	73.4	52.6	17.7	78.6	930
	12-14	100.0	99.7	98.5	94.4	80.2	62.2	41.7	22.2	6.8	65.9	928
	15-17	100.0	99.8	98.5	95.6	83.7	63.9	45.1	22.5	7.2	67.3	930
	18-20	100.0	99.9	99.7	99.4	97.3	89.4	74.3	49.1	15.4	78.0	930
	21-23	100.0	100.0	100.0	99.8	99.0	93.3	83.9	65.7	22.0	81.7	930
TOTALS		100.0	99.9	99.6	98.5	94.4	86.0	73.8	54.1	19.3	78.0	7438

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 (STATION) TURREJON AB SPAIN/MADRID (STATION NAME) 68-78 (PERIOD) ALL (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	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	86.8	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	87470

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

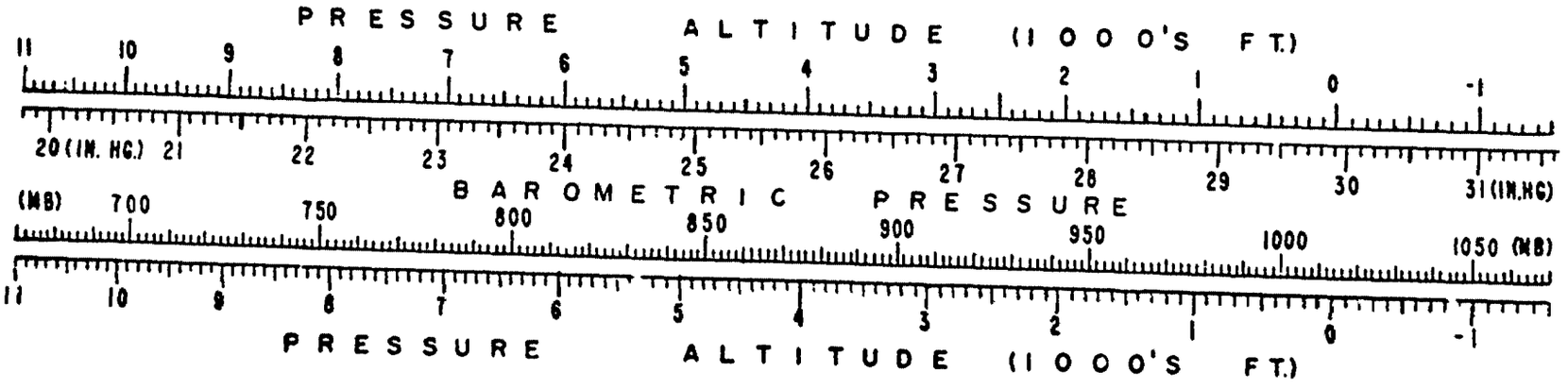
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.



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74-29967

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14011 STATION — TORREJON AB SPAIN/MADRID STATION NAME — 68-78 YEARS

HRS (L S T)		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	28.015	27.962
	S D	.253	.230	.193	.188	.142	.115	.089	.090	.113	.170	.194	.257	.183
	TOTAL OBS	310	282	310	273	310	300	310	310	300	310	300	310	3625
03	MEAN	27.980	27.932	27.897	27.876	27.890	27.938	27.966	27.950	27.978	28.001	28.004	28.008	27.952
	S D	.252	.233	.196	.189	.147	.119	.092	.089	.117	.172	.197	.256	.185
	TOTAL OBS	310	282	310	273	309	299	310	310	300	310	300	310	3623
06	MEAN	27.971	27.926	27.899	27.890	27.902	27.953	27.983	27.964	27.988	28.007	28.001	27.998	27.957
	S D	.252	.239	.197	.192	.150	.121	.094	.091	.120	.174	.201	.259	.187
	TOTAL OBS	310	282	310	299	310	300	309	310	300	310	300	310	3650
09	MEAN	28.002	27.951	27.923	27.910	27.915	27.962	27.992	27.978	28.013	28.037	28.031	28.026	27.979
	S. D.	.251	.244	.199	.192	.150	.119	.092	.088	.120	.176	.202	.260	.188
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
12	MEAN	27.996	27.946	27.910	27.890	27.897	27.942	27.970	27.955	27.990	28.015	28.014	28.015	27.962
	S D	.245	.240	.196	.189	.145	.115	.089	.087	.115	.171	.197	.258	.185
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
15	MEAN	27.955	27.902	27.865	27.851	27.864	27.907	27.929	27.913	27.948	27.974	27.975	27.979	27.922
	S D	.240	.232	.190	.184	.141	.110	.088	.085	.110	.164	.191	.254	.180
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	27.967	27.912	27.869	27.846	27.855	27.894	27.909	27.896	27.943	27.981	27.991	27.992	27.921
	S D	.241	.229	.185	.182	.135	.107	.088	.083	.108	.161	.189	.255	.180
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
21	MEAN	27.983	27.939	27.902	27.887	27.892	27.930	27.947	27.936	27.977	28.007	28.012	28.012	27.952
	S D	.248	.230	.186	.184	.134	.109	.088	.087	.109	.165	.190	.257	.180
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
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	28.006	27.951
	S D	.248	.235	.193	.188	.144	.116	.094	.091	.116	.170	.195	.257	.185
	TOTAL OBS	2480	2256	2480	2345	2477	2399	2478	2480	2400	2480	2400	2480	29155