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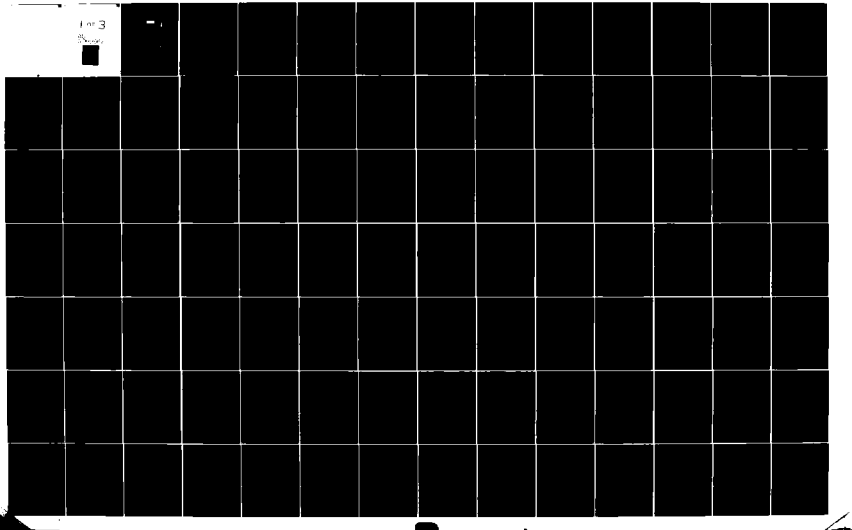

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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

HARDENAS REALES RANGE [illegible]
N 42 12 W 001 27 FLD [illegible]

WBAN #14013
WMO #08087

PARTS A, C-F

POR FROM HOURLY OBS [illegible]
POR FROM DAILY [illegible]

JUN 30 1975

FEDERAL BUILDING
ASHEVILLE, N. C.

AD A088962

CL 11796

80 9 9 019

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

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4. TITLE *(and Subtitle)* Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Bardenas Reales Range, Spain		5. TYPE OF REPORT & PERIOD COVERED Final rept. 6. PERFORMING ORG. REPORT NUMBER
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17. DISTRIBUTION STATEMENT *(of the abstract entered in Block 20, if different from Report)*

18. SUPPLEMENTARY NOTES

19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

*RUSSWO	Daily temperatures	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometeric 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 statisitical summary of surface weather observations for Bardenas Reales Range, 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)

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

* Spain ** Bardenas Reales Range, Spain

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 occurance or cumulative percentage frequency of occuring tables.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA
PART B PRECIPITATION DATA NOT AVAILABLE
SNOWFALL DATA NOT AVAILABLE
SNOW DEPTH DATA NOT AVAILABLE
PARTC SURFACE WINDS
PART D CEILING VERSUS VISIBILITY
SKYCOVER
PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY
PART F STATION PRESSURE
SEA LEVEL PRESSURE 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 00-02, 18-20, 21-23
FEBRUARY 00 02, 18-20, 21-23
MARCH 00 02, 18-20, 21 23
APRIL 00-02, 18-20, 21-23
MAY 00-02, 18-20, 21-23
JUNE 00-02, 18-20, 21-23.
JULY 00-02, 18 20, 21-23
AUGUST 00-02, 18-20, 21-23
SEPTEMBER 00-02, 18-20, 21-23
OCTOBER 00-02, 18-20, 21-23
NOVEMBER 00-02, 18-20, 21-23
DECEMBER 00-02, 18-20, 21-23

874-29068

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
14013	BARDENAS REALES RANGE SPAIN	N42 12	W001 27	968	LEBR	08087

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	Bardenas Reales Range Spain	AF Rng	Jan 70	May 75	N 42 12	W 001 27	968 ft	984	4-11

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	1 Jan 70	N/A	TMQ 15	None	N/A	

CONTINUED ON REVERSE SIDE

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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 more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

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

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

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

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

Continued on Reverse

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

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

2

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] RANGE SPAIN	[illegible]	[illegible]

[illegible] FREQUENCY OF OCCURRENCE [illegible]
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.
[illegible]	[illegible]		6.7	.2			6.9	15.4	2.[illegible]			17.4	[illegible]
			7.6				7.6	[illegible].4	7.3			9.7	[illegible]
[illegible]			3.5		.3		3.7	.9	4.0			4.9	[illegible]
[illegible]		.[illegible]	4.9		.1		4.9	.7	[illegible].9			4.6	[illegible]
[illegible]		.1	5.3				5.3	1.3	2.4			3.7	[illegible]
[illegible]		2.2	5.6			.1	3.7	1.4	1.5			3.3	[illegible]
[illegible]		.[illegible]	1.2				1.2		[illegible].2			6.2	340
[illegible]		1.0	2.4				2.4	.9	2.6			3.5	[illegible]
[illegible]		1.1	4.8				4.8	.8	3.8			4.7	739
[illegible]		.[illegible]	4.9				4.9	4.[illegible]	4.9			8.9	726
[illegible]			6.2				6.2	11.8	5.2			17.0	708
[illegible]			3.7	1.1			4.8	22.2	.9			23.1	432
TOTALS		.4	5.4	.1	.0	.0	5.5	5.1	3.8			8.8	8352

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WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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.
			5.0				5.0						
			6.6				6.6	25.5	1.4			7.2	
			5.8	.9			6.7	20.4	1.3				
			7.7				7.7	8.5				11.5	
			6.5				6.5	2.1	4.3			6.4	47
TOTALS			6.7	.2			6.9	15.4	2.0			17.4	57

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2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC CONDITIONS AND HORIZONTAL VISIBILITIES

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.
			7.8				7.5	2.				3.9	
			9.7				3.7	2.6				1.7	
			9.0					2.2				12.2	
			10.9				1.9					8.0	
									3.8			7.8	
TOTALS			7.6				7.6	1.4	7.3			8.7	674

2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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.
TOTALS													

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WEATHER CONDITIONS

STATION | STATION NAME | 2-75 YEARS | MONTH

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
TOTALS		.3	4.9		.1		4.5	.7	1.9			4.6	

2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS 67 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.
	00-02												
	03-05		2.1				2.1	4.2	6.2			10.4	48
	06-08	.4	5.3				5.3	2.2	4.2			7.2	453
	09-11		6.2				6.2		2.6			1.0	201
	12-14		5.3				5.3						223
	15-17		6.8				6.8						88
	18-20												
	21-23												
TOTALS		.1	5.3				5.3	1.3	2.4			3.7	830

2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ 75-7[illegible] YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]-5	4.6	13.3				18.3	4.4	4.4			8.9	45
	[illegible]-[illegible]	2.6	4.9			.5	7.4	2.1	4.2			6.3	191
	[illegible]-1	1.3	11.3				11.3	.6	.0			1.3	16[illegible]
	[illegible]-[illegible]	2.7	4.8				4.8						147
	[illegible]-7		4.7				4.7						54
	18-[illegible]												
	[illegible]-23												
TOTALS		2.2	8.6			.1	3.7	1.6	1.8			3.3	607

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

FREQUENCY OF OCCURRENCE OF WEATHER
OBSERVATIONS 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.
									15.4			15.4	25
		.9	2.8				2.8		11.2			11.2	
			2.2				2.2		3.2			3.2	93
		1.1	1.1				1.1		1.1			1.1	87
													33
TOTALS		.4	1.2				1.2		0.2			6.2	345

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2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1-3	.2	4.5				4.5	1.5	2.0			3.5	199
	10-12	.4	2.7				2.7	1.5	6.9			9.4	262
	22-1		.4				1.4	1.4	2.7			4.1	221
	4-6		2.4				2.4		.5			.5	212
	7-9		.8				.8						122
	13-15												
	16-18												
TOTALS		1.0	2.4				2.4	.3	2.6			3.5	882

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2

[illegible]
[illegible]
[illegible]

WEATHER CONDITIONS

[illegible] STATION | [illegible] RANGE [illegible] STATION NAME | [illegible]-74 YEARS | [illegible] 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.
[illegible]	[illegible]												
	[illegible]		4.5				4.5		[illegible]			[illegible]	[illegible]
	[illegible]	1.7	6.7				6.7	1.7	6.7			3.4	[illegible]
	[illegible]	[illegible]	7.8				7.8	2.5	4.4			[illegible]	[illegible]
	[illegible]	1.1	1.7				1.7		1.1			1.1	[illegible]
	[illegible]	[illegible]	3.1				3.1		1.0			1.0	[illegible]
	[illegible]												
	[illegible]												
TOTALS		1.1	4.8				4.8	.8	3.8			4.7	789

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
			3.4				3.4	5.2	6.3			12.1	3
			5.4				6.4	12.8	6.4			17.2	20
			6.9				5.9	4.1	6.0			10.1	21
			3.2				3.2		1.5			1.5	13
		.9	2.7				2.7		3.6			3.6	11
TOTALS		.2	4.9				4.9	4.0	4.9			8.9	72

2

[illegible]
[illegible]
[illegible] WEATHER SERVICE [illegible]

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] RANGE SPAIN	[illegible]-74	[illegible]

[illegible]CENTAGE 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.
[illegible]	[illegible]												
	[illegible]		7.0				7.0	16.5	2.3			19.7	71
	[illegible]		9.5				9.5	23.5	4.1			27.6	221
	[illegible]		4.0				4.0	16.4	5.0			24.3	226
	[illegible]		8.6				3.6	2.2	7.2			9.4	139
	[illegible]		2.0				2.0		3.9			3.9	51
	[illegible]												
	[illegible]												
TOTALS			6.2				6.2	11.8	5.2			17.0	708

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]		3.3	3.3			5.7	23.3				23.3	[illegible]
	[illegible]		2.2	2.2			4.3	34.[illegible]	1.4			35.2	[illegible]
	[illegible]-11		4.1				4.1	27.9	.7			28.6	147
	[illegible]-14		5.7				5.7	18.4	2.3			20.7	87
	15-17		3.3				3.3	6.7				6.7	[illegible]
	18-[illegible]												
	21-23												
TOTALS			3.7	1.1			4.3	22.2	.9			23.1	432

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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 tnan 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

2

DATA PROCESSING BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS**
ATMOSPHERIC PHENOMENA

14 [illegible] [illegible] AS [illegible] [illegible] SPAIN 7[illegible]-75 [illegible]LL

STATION | STATION NAME | YEARS | 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		25.0	1.1			25.0	32.[illegible]	[illegible].7			35.9	92
FEB			23.9		2.3		25.0	9.1	2[illegible].5			22.7	[illegible]8
MAR			27.3		2.7		23.2	3.[illegible]	1[illegible].4			18.2	110
APR		1.9	21.5		.9		21.5	3.7	1[illegible].7			20.[illegible]	1[illegible]7
MAY		[illegible].1	21.9				21.9	4.2	[illegible].4			12.5	[illegible]
JUN		11.[illegible]	19.7			1.3	19.7	3.9	7.9			10.[illegible]	75
JUL		4.5	9.1				9.1	2.[illegible]	1[illegible].2			18.2	44
AUG		4.0	8.1				8.1	2.[illegible]	11.1			12.1	99
SEP		[illegible].5	17.2				17.2	4.[illegible]	12.9			15.1	93
OCT		1.2	27.4				27.4	15.[illegible]	16.7			26.2	84
NOV			21.1				21.1	28.9	16.7			34.4	90
DEC			18.5	1.5			18.5	35.4	7.7			40.0	65
TOTALS		2.7	20.1	.2	.5	.1	20.2	12.1	13.7			22.2	1044

USAFETAC [illegible] 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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."

   DATA NOT AVAILABLE

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.

C

74-29962

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH LL

CLASS _____ HOURS (L.S.T.) LL

CONDITION _____

SPEED (KNTS) DIR.	1 - 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.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3						5.1	1.[illegible]
NNE	.[illegible]	.[illegible]	.[illegible]	.[illegible]								.[illegible]	[illegible]
NE	.[illegible]	.[illegible]		.[illegible]								.[illegible]	[illegible]
ENE	.[illegible]	.3	.[illegible]	.[illegible]								[illegible]	4.1
E	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.3						1.[illegible]	7.3
ESE	.[illegible]	1.[illegible]	3.3	3.2	.3	.2						9.[illegible]	10.[illegible]
SE	.[illegible]	.6	4.3	[illegible].2	.[illegible]	.1	.0					7.[illegible]	8.9
SSE	.[illegible]	.3	.[illegible]	.5	.[illegible]							3.[illegible]	8.2
S	.[illegible]	.[illegible]	.[illegible]	.3	.[illegible]							2.5	8.6
SSW	.[illegible]	.4	.[illegible]	.[illegible]								1.4	8.[illegible]
SW	.[illegible]	.3	.2	.4	.[illegible]	.3						1.5	8.3
WSW	.[illegible]	.4	.[illegible]	.[illegible]	.[illegible]							1.[illegible]	8.1
W	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]							3.0	8.9
WNW	.[illegible]	1.1	2.1	1.[illegible]	.[illegible]	.0	.[illegible]					5.[illegible]	[illegible].7
NW	1.[illegible]	2.[illegible]	[illegible].1	5.[illegible]	[illegible].[illegible]	.3	.[illegible]	.[illegible]				[illegible].7	11.[illegible]
NNW	1.[illegible]	.[illegible]	5.[illegible]	5.[illegible]	[illegible].2	.[illegible]	.[illegible]	.[illegible]				13.4	12.2
VARBL	.[illegible]	.2	.1	.1	.[illegible]							.[illegible]	4.5
CALM												[illegible].[illegible]	
	[illegible]	[illegible].2	21.[illegible]	2[illegible].[illegible]	[illegible]	.[illegible]	.[illegible]	.[illegible]				100.[illegible]	[illegible].6

TOTAL NUMBER OF OBSERVATIONS [illegible]

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.4	.9	1.1	.6	.1						4.	12.7
NNE	.3	.1										.4	7.0
NE		.1										.1	4.0
ENE	.	.1										.	.7
E	.	.3	.2									1.0	5.4
ESE	.	1.0	2.2	2.3	.4	.1						6.0	11.2
SE	.2	1.5	2.2	2.1	.2	.1						7.0	9.3
SSE	.	.7	.7	.2	.1							1.7	7.3
S	.	.2	.4									1.1	4.3
SSW	.	.1										.3	3.4
SW	.	.3	.2									1.1	4.0
WSW	.	.1										1.5	3.1
W	.	.3	.4									2.3	3.7
WNW	.3	.6	1.2	1.0	.1							3.6	10.1
NW	1.1	3.0	6.2	14.0	3.0	.3						49.1	11.5
NNW	1.1	1.9	2.9	7.6	4.3	1.6	.2	.1				20.0	13.6
VARBL	.1	.2			.1							.5	7.3
CALM												3.2	
	4.6	12.6	19.1	30.1	10.9	2.5	.2	.1				100.1	9.4

TOTAL NUMBER OF OBSERVATIONS 855

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 6.6

[illegible]

SURFACE WINDS

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

[illegible] — STATION
[illegible] RANGE SPAIN — STATION NAME
76-[illegible] — YEARS
[illegible] — 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	[illegible]	1.4	[illegible]	1.4	.3							[illegible]	7.1
NNE	[illegible]	.3	[illegible]	[illegible]								1.2	[illegible]
NE	[illegible]	.0										[illegible]	2.7
ENE			[illegible]									[illegible]	[illegible]
E	[illegible]	1.7	1.7	.9	[illegible]							[illegible]	7.[illegible]
ESE	[illegible]	1.2	2.[illegible]	1.7								5.5	[illegible]
SE	[illegible]	1.4	2.3	1.7								5.8	8.8
SSE	[illegible]	1.4	1.2									3.[illegible]	5.3
S	[illegible]	1.4										2.3	4.6
SSW	[illegible]	1.4										2.3	4.3
SW	[illegible]	.3	.3									[illegible]	4.7
WSW	[illegible]		[illegible]	.6	.3							2.[illegible]	3.6
W	[illegible]	1.4	[illegible]	.3								3.5	5.3
WNW	[illegible].4	1.4	3.5	1.4	1.7							9.5	9.3
NW	[illegible]	3.5	8.4	9.8	1.7							23.7	10.9
NNW	[illegible]	[illegible].6	2.9	3.[illegible]	.9							10.4	10.3
VARBL	[illegible]											3.5	1.3
CALM												13.9	
	13.[illegible]	20.2	24.[illegible]	22.0	5.2							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 346

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 382

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.9	.0	1.1	1.6	.1						3.7	10.3
NNE	.	.3	.4									.7	5.0
NE	.1	.4										.5	3.1
ENE	.	.5										.5	3.3
E	.2	.9	.2	.3								2.6	5.3
ESE	.3	1.8	4.3	3.3	.4							10.3	7.4
SE	.3	2.0	3.7	2.3								8.3	6.5
SSE	.1	.9	.7	.1								2.4	6.1
S	1.2	.6	.3	.4								2.5	5.3
SSW	.5	.2										1.1	3.3
SW	1.2	.3	.1	.2								1.8	4.2
WSW	.3	.3	.1									1.8	3.1
W	1.5	.8	.3									2.5	3.7
WNW	.3	1.6	1.3	.3								3.3	5.6
NW	1.1	1.8	5.7	6.8	2.0	.1						17.5	11.7
NNW	1.0	1.6	3.4	6.5	.9	.1						15.3	9.3
VARBL	.1											.1	2.0
CALM												19.4	
	10.2	15.1	22.6	21.3	5.6	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 789

SURFACE WINDS

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

[illegible] | [illegible] | 70-74 | [illegible]
STATION | STATION NAME | YEARS | MONTH

[illegible]
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	.2	.2	.1							3.0	5.0
NNE	.2	.1										1.4	3.3
NE	.1											.4	2.5
ENE	.1	.4										.7	3.0
E	.6	.3	.2									1.1	3.7
ESE	.3	1.4	2.2	2.0	1.1	.1						8.1	11.2
SE	.4	2.3	1.1	4.2	.4	.1						12.5	9.4
SSE	.2	.3	.7	.8	.1							2.0	7.1
S	.2	.2	.1		.1							2.6	4.2
SSW	.1	1.2										2.2	3.4
SW	.2	.3	.1									1.6	3.4
WSW	.1	.2	.1	.4								2.3	4.2
W	.1	.1	.3	.4	.4							2.1	6.2
WNW	.1	.3	2.3	1.2	.4	.1	.1					6.0	9.3
NW	.1	2.0	5.5	9.0	.6							20.1	10.1
NNW	.2	1.5	2.0	3.7	1.0	.1						9.5	10.3
VARBL			.1									.1	7.5
CALM												19.7	
	10.5	15.0	15.3	24.2	4.2	.6	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 726

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	.3	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NNE	[illegible]	.4	[illegible]									[illegible]	[illegible]
NE	[illegible]	.1										[illegible]	[illegible]
ENE	[illegible]	.3	.1									[illegible]	[illegible]
E	[illegible]	.4	[illegible]	[illegible]	.4							[illegible]	[illegible]
ESE	[illegible]	.4	[illegible]	[illegible]	.4	[illegible]						[illegible]	[illegible]
SE	[illegible]	.4	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	.7	[illegible]	[illegible]								3.4	[illegible]
S	[illegible]	[illegible]		.1	[illegible]							[illegible]	4.1
SSW	[illegible]			.1								[illegible]	[illegible]
SW	[illegible]	.4	[illegible]	[illegible]								2.4	2.5
WSW	[illegible]	.6	.1		.1							[illegible]	4.1
W	[illegible]	.7	[illegible]									[illegible]	3.9
WNW	[illegible]	.3	[illegible]	1.6	.6							5.4	9.5
NW	[illegible]	.6	[illegible]	[illegible]	[illegible]	.6						20.1	12.1
NNW	[illegible]	.1	[illegible]	[illegible]	2.7	.6						15.1	12.7
VARBL			.3	.1								.4	9.7
CALM												19.5	
	[illegible]	[illegible]	[illegible]	20.7	7.5	[illegible]						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 705

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.	.	.	.	.							
NNE	.	.											
NE													
ENE	.	.											
E	.	.											
ESE	.	.	.	.	.								
SE	.	.	.	.	.								
SSE	.	.		.									
S	.	.											
SSW	.	.		.									
SW	.	.	.										
WSW	.	.	.										
W	.	.	.	.									
WNW	.	.	.	.									
NW	.	.	.	.	.	.	.	.					
NNW	.	.	.	.	.	.							
VARBL				.									
CALM													
												100.0	

TOTAL NUMBER OF OBSERVATIONS 432

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 213

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 71- MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA. WIND SPEED
N	1.0	5.3		1.7		1.7						9.7	9.0
NNE													
NE													
ENE		1.7										1.7	4.0
E		2.4	3.7									6.1	7.0
ESE	2.0		1.7	2.4	1.7							8.1	11.5
SE	1.7		3.0	1.7								6.4	7.0
SSE		1.7										3.4	7.0
S	1.7											1.7	1.0
SSW	1.7		1.7	1.7								5.1	5.5
SW													
WSW			1.7	1.7								3.3	7.0
W	1.7	1.7										5.1	5.3
WNW		1.7		1.7								3.3	4.0
NW			3.0		1.7							5.1	12.4
NNW	1.0	1.7	3.3		1.7							11.7	9.1
VARBL													
CALM												23.7	
	11.7	17.3	23.4	11.7	5.1	1.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 59

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 223

[illegible]
[illegible]
AIR WEATHER [illegible]

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] RANGE SPAIN	70-[illegible]	[illegible]

CLASS: ALL WEATHER

HOURS (L.S.T.): [illegible]

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	1.5	1.5									[illegible]	[illegible]
NNE													
NE	[illegible]											[illegible]	[illegible]
ENE													
E	[illegible]	1.5		1.5	.8	.8						[illegible]	[illegible]
ESE	[illegible]	3.6	3.6	3.8	3.8							[illegible]	[illegible]
SE		.8	1.5	.8	1.5							[illegible]	[illegible]
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]	.8										[illegible]	[illegible]
SSW	[illegible]	1.5		1.5								[illegible]	[illegible]
SW													
WSW	[illegible]	.8										[illegible]	3.5
W	[illegible]	[illegible]	[illegible]	.8								[illegible]	[illegible]
WNW	[illegible]	.8	3.6	.8								[illegible]	7.7
NW		[illegible]	[illegible]	10.0	3.8							[illegible]	[illegible]
NNW		2.3	1.5	5.4	[illegible]	.8						[illegible]	[illegible]
VARBL	[illegible]		[illegible]		[illegible]							3.8	7.2
CALM												[illegible]	
	13.1	20.0	19.2	24.6	13.1	1.5						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 130

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			2.1			2.1						4.3	15.5
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 47

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
												100.0	7.4

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.5	.5	.5	1.5	.5						3.4	15.0
NNE			.5									.5	7.0
NE	.5	.5										1.0	5.0
ENE	1.0											1.0	2.5
E	1.5	.5	1.0	.5	.5							3.9	7.7
ESE	1.5	1.5	2.5	3.5	1.5	1.5						14.5	11.2
SE	1.5		1.5	1.5								3.4	3.7
SSE	.5	1.4										2.9	5.3
S		.5	.5									1.0	7.5
SSW	.5	.5	.5									1.5	4.7
SW													
WSW		.5										.5	5.0
W	1.5											1.5	2.7
WNW	.5		2.5	1.5								4.4	9.3
NW	2.5	1.5	8.7	7.6	1.5							24.8	9.3
NNW	.5	1.5	1.5	3.5	2.5	1.0						12.5	12.2
VARBL													
CALM												22.2	
	1.5	12.0	2.4	19.9	7.5	2.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 206

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

4013 — STATION
ATLANTAS PEACHTREE AIRPORT — STATION NAME
72-75 — YEARS
[illegible] — MONTH
ALL WEATHER — CLASS
1300-1600 — 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	.4	2.2	.4							3.7	11.1
NNE													
NE													
ENE		.4										.4	4.0
E		.9	.4	2.2	.4							3.9	11.3
ESE	.1	2.2	5.9	5.2	1.8	1.3						16.4	11.9
SE			.1	.2								1.3	11.0
SSE	1.3	1.8	1.3									4.4	5.6
S	1.2	.4										1.6	4.0
SSW	.2											.2	2.5
SW	.4	.9	.5									1.8	6.0
WSW	.4	.4	.4									1.3	4.7
W	.4	.9										1.3	4.0
WNW	1.2	.4	4.4	.9	.4							7.5	8.4
NW	.5	2.6	5.7	11.3	1.8							22.4	11.1
NNW	.4		2.2	4.0	4.9	1.3	.3					13.2	15.1
VARBL													
CALM												18.9	
	6.2	11.4	20.0	26.9	8.8	2.6	.4					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 224

DATA PROCESSING [illegible]
[illegible]TAC/USAF
AIR WEATHER SERVICE [illegible]

SURFACE WINDS

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

[illegible] — STATION
[illegible] RANGE [illegible] — STATION NAME
71-[illegible] — YEARS
[illegible] — MONTH
[illegible] — CLASS
[illegible] — 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		.7	[illegible]	[illegible]	[illegible]	2.2						[illegible]	16.5
NNE		.7										.7	4.[illegible]
NE													
ENE		.7										[illegible]	4.[illegible]
E	[illegible]	.7	.7	.7								2.[illegible]	5.0
ESE	[illegible]	[illegible].2	[illegible].6	[illegible]	[illegible]	1.4						[illegible]	13.5
SE	[illegible]	.7	.2	2.[illegible]	1.4							3.[illegible]	10.9
SSE	[illegible]		[illegible]									2.[illegible]	6.5
S	[illegible]	.7	.7									2.[illegible]	4.3
SSW			[illegible]	.7								1.4	10.9
SW		.7		.7								1.4	3.5
WSW	[illegible]	.7										2.[illegible]	2.5
W	[illegible]	.7	.7	.7								4.3	6.0
WNW		.7	[illegible]	.7								2.[illegible]	9.5
NW		1.4	[illegible]	[illegible]	2.9							13.1	12.2
NNW	.7	1.4	[illegible]	11.[illegible]	2.9	.7						20.3	13.3
VARBL													
CALM												5.1	
	[illegible]	[illegible]	22.5	31.[illegible]	15.[illegible]	4.3						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 138

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | 70-75 YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	.4	.4	1.3		.4						4.6	6.2
NNE	.4											.4	3.0
NE	.4	.9		.4								1.7	7.5
ENE	.4	.4										.9	4.0
E	.4	2.1	.9	1.3								4.7	7.4
ESE	.4	1.7	2.1	2.6	.4							7.2	9.3
SE	.4	3.0	1.3									5.1	5.1
SSE	.4	.4	.4									1.3	5.3
S	.4	.4		.9								1.7	4.3
SSW													
SW	.4		.9	.4								1.3	3.3
WSW		.4		.4								.9	3.0
W	1.3	.9	.9									3.4	3.3
WNW	.9		1.7	.9								3.6	5.5
NW	.9	3.0	7.7	11.9	2.6	.9						26.4	11.4
NNW	.4	1.7	4.3	4.7	2.1	1.3						14.9	12.5
VARBL	.9	1.3										2.1	3.4
CALM												20.4	
	14.1	15.0	19.6	23.8	5.1	2.6						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 235

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	1.1	.4	1.8	[illegible]							6.[illegible]	11.[illegible]
NNE	[illegible]	[illegible]										1.1	4.[illegible]
NE		[illegible]										[illegible]	[illegible]
ENE		.4										[illegible]	4.[illegible]
E	[illegible]	1.1	1.1	[illegible]						[illegible]		5.[illegible]	9.3
ESE		1.5	3.7	1.5	.4							7.[illegible]	9.3
SE	[illegible]	1.1	1.[illegible]	[illegible]	.4							5.[illegible]	9.[illegible]
SSE	[illegible]		1.1									1.[illegible]	6.[illegible]
S	[illegible]	.4										1.[illegible]	3.0
SSW	[illegible]											[illegible]	2.0
SW	[illegible]	.4		[illegible]								2.[illegible]	5.7
WSW	[illegible]	.7	[illegible]	.4								2.6	5.7
W	[illegible]	1.5		[illegible]								3.[illegible]	4.5
WNW	[illegible]	.7	1.[illegible]	2.2	.4							5.[illegible]	10.2
NW		1.1	4.8	1[illegible].3	3.0							22.1	12.3
NNW	[illegible]	1.8	2.2	7.[illegible]	3.3	2.2						17.3	13.8
VARBL	[illegible]	.4										1.1	2.7
CALM												15.[illegible]	
	[illegible]	13.3	17.[illegible]	32.[illegible]	9.2	2.2						100.[illegible]	8.8

TOTAL NUMBER OF OBSERVATIONS 271

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

SURFACE WINDS

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

STATION | STATION NAME: [illegible] RANGE SPAIN | YEARS: 7[illegible]-7[illegible] | MONTH: [illegible]

CLASS: [illegible] | HOURS (L.S.T.): [illegible]-1400

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	.5	[illegible]	1.7	[illegible]	2.9						12.[illegible]	15.[illegible]
NNE													
NE													
ENE													
E	.7	.5	1.7	1.2	1.2							6.[illegible]	[illegible].9
ESE		[illegible]	1.2	2.9	1.7							7.6	11.2
SE			4.7	1.2	1.2							7.0	11.0
SSE			1.2	.6								1.7	10.7
S		1.2		.6								1.7	7.7
SSW		.5	.6	1.2								2.3	8.3
SW	.5			.6		.6						1.7	12.7
WSW	1.2		1.2									2.3	6.0
W	.[illegible]		.6	1.2								2.3	8.5
WNW	1.[illegible]		2.3	1.7								5.2	8.7
NW	[illegible]	2.9	4.1	9.9	2.9							20.9	11.5
NNW	.[illegible]	2.3	2.3	8.[illegible]	4.7	3.5						21.5	14.6
VARBL	1.2	1.2		.6								2.[illegible]	5.2
CALM												4.[illegible]	
	[illegible]	11.0	22.1	31.4	15.1	[illegible]						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 172

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 237

DATA PRECEDING BRANCH
ETAC/USAF
AIR WEATHER SERVICE

SURFACE WINDS

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

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

CLASS: [illegible] 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	[illegible]		[illegible]	[illegible]	1.0							[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE													
ENE													
E	[illegible]	.4	.4									[illegible]	[illegible]
ESE		1.6	[illegible]	[illegible]	[illegible]							[illegible]	11.[illegible]
SE	.4	.4	3.[illegible]	[illegible]	[illegible]	.4						[illegible]	1[illegible]
SSE													
S	[illegible]											[illegible]	[illegible]
SSW	[illegible]	.4										[illegible]	3.3
SW	[illegible]											[illegible]	2.5
WSW	[illegible]	.4										1.6	3.3
W	[illegible]	[illegible]	[illegible]									4.9	2.5
WNW	[illegible]		1.2	[illegible]	1.2							5.7	11.1
NW	[illegible]	[illegible]	[illegible]	10.[illegible]	[illegible]	.4						30.9	11.8
NNW	[illegible]	[illegible]	[illegible]	[illegible]	4.[illegible]	.8	.4	.4				21.5	13.4
VARBL		[illegible]										.4	5.0
CALM												10.6	
	[illegible]	13.8	19.1	31.[illegible]	11.4	1.6	.4	.4				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 246

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

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

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] NAS REALES RANGE SPAIN	70-7[illegible]	[illegible]

ALL WEATHER
CLASS

CONDITION

1200-1400
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	•	•	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
NNE													
NE													
ENE	•											•	[illegible]
E	•	•	[illegible]									[illegible]	[illegible]
ESE		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	11.2
SE	•	[illegible]	•	[illegible]								[illegible]	9.9
SSE			[illegible]	•								[illegible]	[illegible]
S		[illegible]	•									[illegible]	[illegible]
SSW		[illegible]										[illegible]	[illegible]
SW		[illegible]										[illegible]	[illegible]
WSW	•	•										[illegible]	[illegible]
W	[illegible]	[illegible]	•									[illegible]	[illegible]
WNW	•	•	•	[illegible]	•							[illegible]	11.1
NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	•						[illegible]	[illegible]
NNW	•	•	[illegible]	[illegible]	[illegible]	[illegible]	•					[illegible]	[illegible]
VARBL		•										•	[illegible]
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	•					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 44

SURFACE WINDS

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

STATION | STATION NAME: [illegible] | YEARS: [illegible] | MONTH: [illegible]

CLASS: ALL [illegible]

HOURS (L.S.T.): [illegible]

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]		[illegible]								2.7	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE	[illegible]											[illegible]	[illegible]
ENE	[illegible]		[illegible]									[illegible]	[illegible]
E	[illegible]	.8	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]	.4							[illegible]	[illegible]
SE	[illegible]	2.7	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	.8	1.1									[illegible]	5.4
S	[illegible]	[illegible]										[illegible]	3.7
SSW	[illegible]	.4	.4	.4								1.5	7.8
SW	[illegible]		[illegible]									[illegible]	6.5
WSW	[illegible]	.4										1.1	3.3
W	[illegible]	1.1										3.4	3.1
WNW	[illegible]	1.5	3.4	.8								7.6	7.1
NW	[illegible]	3.4	[illegible]	11.0	1.5							26.6	10.0
NNW		2.3	[illegible]	3.4								8.0	[illegible]
VARBL													
CALM												16.0	
	15.2	20.2	25.9	20.9	1.9							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 203

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)

[illegible] — STATION
[illegible] RANGE SPAIN — STATION NAME
70-75 — YEARS
[illegible] — MONTH

ALL WEATHER — CLASS
[illegible] — 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	[illegible]	1.0	1.0	1.0	1.0	.5						4.[illegible]	12.3
NNE	[illegible]	.5										1.[illegible]	[illegible]
NE													
ENE	[illegible]	.5										1.[illegible]	4.[illegible]
E	[illegible]		[illegible]	.5								[illegible]	5.7
ESE	[illegible]	1.0	[illegible]	5.8	1.0							[illegible]	[illegible]
SE		2.9	4.[illegible]	2.4								[illegible]	[illegible]
SSE	[illegible]		1.0	1.4								2.[illegible]	[illegible]
S		[illegible]	1.0	1.9	[illegible]							4.[illegible]	[illegible]
SSW		.5										.5	5.6
SW	[illegible]			.5								1.[illegible]	[illegible]
WSW		.5		1.4								1.[illegible]	11.[illegible]
W	[illegible]	1.4	1.4									[illegible]	[illegible]
WNW	[illegible]		1.0	2.9								4.[illegible]	11.[illegible]
NW	1.[illegible]	2.9	5.2	12.0	3.4							25.5	11.3
NNW	1.[illegible]	1.0	4.8	3.8	3.4	1.0						14.9	12.4
VARBL													
CALM												9.6	
	7.7	13.0	25.5	33.7	9.1	1.4						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 208

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

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/[illegible]

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
140[illegible]	[illegible] RANGE SPAIN	70-7[illegible]	[illegible]

CLASS: ALL WEATHER

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						7.[illegible]	[illegible]
NNE													
NE													
ENE		[illegible]										[illegible]	4.5
E		[illegible]	[illegible]	1.3								4.[illegible]	3.[illegible]
ESE	[illegible]	[illegible]	[illegible]	2.7	.4	[illegible]						[illegible]	10.[illegible]
SE		[illegible]	3.[illegible]	4.[illegible]	.4	.4	.4					[illegible]	12.1
SSE		[illegible]	[illegible]	[illegible]								3.[illegible]	3.8
S	[illegible]	[illegible]	1.[illegible]	.4	[illegible]							5.4	7.[illegible]
SSW			.4	.4								[illegible]	13.[illegible]
SW													
WSW		[illegible]	[illegible]	1.3								3.1	9.4
W	[illegible]	.5		[illegible]								2.7	5.8
WNW		2.2	1.[illegible]	[illegible]	.4							4.[illegible]	8.5
NW	[illegible]	1.8	4.[illegible]	[illegible]	1.3	.4						[illegible]	10.[illegible]
NNW	[illegible]	.9	7.[illegible]	7.[illegible]	4.[illegible]	.9						[illegible]	13.0
VARBL	[illegible]											[illegible]	[illegible]
CALM												5.[illegible]	
	10.[illegible]	12.6	2[illegible].8	3[illegible].5	9.9	3.1	.4					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 223

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

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

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] ZALES RANGE SPAIN	71-75	MAY

CLASS: ALL WEATHER

HOURS (L.S.T.): 15[illegible]-17[illegible]

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	1.1	2.2	1.1							[illegible]	9.9
NNE	1.1			1.1								2.3	[illegible]
NE	1.1											1.1	[illegible]
ENE				1.1								1.1	11.[illegible]
E	[illegible]	2.3	1.1	1.1								6.[illegible]	7.[illegible]
ESE		2.3	2.3	6.8	1.1							12.[illegible]	11.[illegible]
SE		2.3	[illegible].4	3.4								9.[illegible]	[illegible]
SSE		1.1		2.3								3.4	11.3
S		1.1	2.3	5.7								9.[illegible]	11.4
SSW													
SW	[illegible]			1.1								2.3	7.0
WSW				2.3								2.3	12.5
W		1.1		2.3								3.4	9.7
WNW													
NW		2.3	9.1	4.5	1.1	1.1						16.2	10.5
NNW			4.5	6.8	6.8	1.1						19.3	14.9
VARBL													
CALM												2.3	
	[illegible]	1[illegible].8	25.9	40.9	10.2	2.3						100.0	10.[illegible]

TOTAL NUMBER OF OBSERVATIONS 68

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 45

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.1										5.3	3.4
NNE													
NE													
ENE	.2	.5										1.3	1.2
E	1.2		.7									1.9	4.2
ESE	.8	.2	.6	.2								4.8	6.1
SE	.2	1.1	.2	.5								7.1	5.4
SSE	.2	1.1	.2	.2								2.4	6.5
S	.3	1.6	.5									2.5	5.4
SSW	1.1											1.3	2.0
SW	.2											1.1	2.5
WSW	1.2	1.1										2.3	4.3
W	.2	.1	.2									5.3	3.4
WNW	.1	2.1	3.3	4.2	.5							14.2	8.4
NW	.2	3.2	6.3	5.8		.5						15.3	9.3
NNW	1.5	2.1	1.1	1.6	2.1							8.4	9.2
VARBL	1.2	.5										3.7	2.1
CALM												18.4	
	24.2	22.5	20.5	13.2	2.6	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 190

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
4413	[illegible]	73-79	7

CLASS

CONDITION

HOURS (L.S.T.) 1500-1800

SPEED (KNTS) DIR.	1 - 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	1.7	3.0		.7						8.	11.2
NNE	.7	1.0										1.	3.0
NE	.7	1.0										1.	4.3
ENE													
E		1.4	2.7	.7								4.8	4.3
ESE	.7	2.4	3.1	2.0	.7							8.8	8.3
SE	.7	2.4	2.7	2.0								7.	7.7
SSE		1.4	.7									2.0	5.0
S			2.4	.7								2.7	11.3
SSW			.7	.7								1.4	12.5
SW			.7	.7								1.4	13.0
WSW			.7									1.4	5.5
W	.7	1.4	1.4	1.4								4.8	8.9
WNW	.7	.7	.7	2.7	.7	.7						6.	9.5
NW	1.0	4.1	3.7	4.1	2.0							15.0	10.1
NNW	.7	2.7	2.7	6.8	1.4	.7						15.0	11.1
VARBL	2.7	2.0	.7									4.7	4.3
CALM												7.	
	10.2	27.2	25.8	24.5	4.8	2.0						100.	9.1

TOTAL NUMBER OF OBSERVATIONS 147

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 64

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 25

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

[illegible]
[illegible]
[illegible]

SURFACE WINDS

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

[illegible] STATION | [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

[illegible] CLASS | [illegible] 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	[illegible]	1.[illegible]										5.[illegible]	[illegible]
NNE													
NE													
ENE													
E		2.8										2.[illegible]	4.[illegible]
ESE			1.[illegible]	2.[illegible]								4.7	1[illegible].5
SE	.[illegible]	.9	2.[illegible]	.9								5.[illegible]	7.[illegible]
SSE		1.9										1.9	5.[illegible]
S	.[illegible]											.[illegible]	[illegible]
SSW	.[illegible]											1.[illegible]	2.5
SW													
WSW													
W	.[illegible]	.9										2.8	[illegible].7
WNW	1.[illegible]	.9	4.7	2.[illegible]								[illegible]	[illegible].9
NW	.[illegible]	2.8	[illegible]	11.[illegible]	.9							23.[illegible]	1[illegible].5
NNW		4.7	3.7	.9								9.[illegible]	[illegible].7
VARBL	[illegible]											2.8	1.7
CALM												28.0	
	14.[illegible]	17.8	20.0	18.7	.9							100.0	[illegible].7

TOTAL NUMBER OF OBSERVATIONS 1[illegible]7

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	2.2		1.3								4.	5.
NNE		1.1	1.1									2.	7.
NE	.											1.	3.
ENE													
E		1.1		1.1								2.	8.5
ESE		1.1	1.1	2.2								4.	8.3
SE		1.1	1.2	3.4								5.4	10.0
SSE	.		1.1									2.	5.1
S	.	2.2										3.	4.7
SSW	.	1.2										3.	4.7
SW		1.1										1.1	5.0
WSW	1.1			1.1	1.1							3.	11.0
W	1.1	1.1		1.1								3.	6.3
WNW	1.2	3.2	3.3	2.2	1.1							15.1	9.3
NW		4.3	7.1	3.4	2.2							21.5	10.3
NNW		2.2	4.3	5.3	2.2							15.1	11.9
VARBL	1.1											3.	1.7
CALM												7.	
	2.8	22.6	21.6	23.1	7.5							100.3	8.2

TOTAL NUMBER OF OBSERVATIONS

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.01	1.1	2.0	3.0								8.1	7.1
NNE	.01											1.1	2.7
NE		1.1										1.2	4.7
ENE			.02									1.1	5.0
E	.01	1.1	.07									2.1	5.1
ESE	.02	1.1	2.02	1.01								5.2	7.2
SE		2.04	3.04	1.01								9.0	5.4
SSE	.01	1.1	3.01									5.2	6.3
S		2.03										2.4	5.5
SSW		3.04										3.0	5.2
SW			1.01									1.1	7.2
WSW													
W	.02	1.01	2.02									4.06	5.3
WNW	.01	1.01	2.01		4.06							7.2	12.3
NW		1.01	1.01	12.06	1.01							15.3	11.5
NNW		1.01		3.04	1.01							5.7	11.8
VARBL	.02											5.7	1.8
CALM												3.04	
	11.02	17.03	34.03	21.04	6.04							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 87

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 75-7 MONTH _____

_____ CLASS _____ HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.3	.1	1.1								3.[illegible]	7.[illegible]
NNE	.											.[illegible]	2.[illegible]
NE													
ENE													
E		.4		.1								.[illegible]	9.[illegible]
ESE	.	1.1	3.0	.3								5.[illegible]	8.7
SE	.1	4.2	4.2	1.1								9.[illegible]	8.3
SSE		2.3	.[illegible]									3.7	5.3
S	.	.4										1.[illegible]	3.3
SSW	.1	.1	.5									1.1	4.3
SW	.											.[illegible]	2.[illegible]
WSW	.	.0	.[illegible]									1.9	4.[illegible]
W	1.1	.3	.[illegible]	.4								3.1	5.1
WNW	.3	1.2	3.4	2.1								12.2	6.9
NW	4.[illegible]	3.[illegible]	6.[illegible]	10.3								24.0	7.9
NNW	1.1	1.1	1.1	2.3								5.7	8.4
VARBL													
CALM												23.3	
	13.3	19.8	22.5	19.1								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 262

DATA PROCESSING BRANCH
HQ AWS/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	BARDENAS REALES RANGE SPAIN	70-74	[illegible]

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 0[illegible]-1100

SPEED (KNTS) DIR.	1 - 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				1.4							1.[illegible]	13.[illegible]
NNE	.5											.5	[illegible].0
NE													
ENE													
E	.5	1.8										2.3	3.5
ESE		2.7	6.4	2.3								11.4	8.6
SE	1.4	1.8	4.1	3.0								10.3	9.0
SSE		1.4	.5	.5								2.3	7.4
S	.5	.9	.5	.5								2.3	6.4
SSW	1.4	.5										1.8	2.5
SW	.5	.5										.9	3.0
WSW	1.4	.5										2.3	2.4
W	1.4	.5										2.3	3.0
WNW	.5	2.3	3.4	1.4	.5							7.7	9.2
NW	1.4	2.7	5.5	10.5								19.5	10.1
NNW	.5	.9	7.7	8.2	.5							18.2	10.3
VARBL	1.4											1.4	1.7
CALM												14.5	
	13.2	16.4	25.5	26.2	2.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 220

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

SURFACE WINDS

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

14[illegible]3 — STATION
[illegible] RANGE [illegible] — STATION NAME
70-74 — YEARS
[illegible] — MONTH
ALL [illegible] — CLASS
12[illegible]-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		2.4	.[illegible]	2.[illegible]	.[illegible]							[illegible]	[illegible]
NNE	.[illegible]											.[illegible]	3.[illegible]
NE													
ENE		[illegible].4										[illegible]	5.[illegible]
E		2.4	2.4	.5								[illegible].2	7.2
ESE		[illegible].9	[illegible].1	9.4	.5							7.[illegible]	11.[illegible]
SE		[illegible].9	1.9	6.[illegible]								9.[illegible]	11.1
SSE		1.9	2.4	1.4	.5							6.1	8.9
S	.[illegible]	1.4	[illegible].9	.[illegible]								4.7	6.6
SSW		.5										.5	4.0
SW	.[illegible]		.[illegible]									1.9	4.8
WSW	.[illegible]		.[illegible]	.9								2.4	8.8
W	.[illegible]	[illegible].4	1.4									3.3	6.0
WNW		1.4	1.4	2.4								5.[illegible]	9.6
NW	.5	3.3	3.[illegible]	5.2	.5							13.2	9.7
NNW	.[illegible]	.5	4.2	9.0	1.4	.9						17.[illegible]	12.4
VARBL	.[illegible]	.5										.[illegible]	3.5
CALM												4.7	
	5.[illegible]	19.8	27.6	38.2	3.3	.9						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 212

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

[illegible]
[illegible]
AIR WEATHER [illegible]

SURFACE WINDS

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

[illegible] STATION | [illegible] AS ANGELES RANGE SPAIN STATION NAME | 71-74 YEARS | [illegible] MONTH

ALL WEATHER CLASS | [illegible]-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		1.0	4.1	7.4	.8	1.6						15.[illegible]	17.3
NNE													
NE		1.6										1.6	4.5
ENE			.8	.8								1.6	9.[illegible]
E	.8		3.3	6.6	.8							11.[illegible]	11.7
ESE		.8	6.6	4.9								13.[illegible]	10.4
SE			4.9	1.6								4.[illegible]	10.4
SSE			.8	.8								2.3	9.3
S	1.6		.8									2.5	4.3
SSW			.8									.8	7.7
SW	.8											.8	3.0
WSW		2.5										2.5	5.3
W	1.6											1.6	2.5
WNW		1.6	.8	.8								3.3	7.8
NW	.8	2.5	.8	4.9	2.5							12.3	10.5
NNW	.8	.8	4.1	9.0	4.1	1.6						21.3	13.4
VARBL													
CALM												3.3	
	3.3	13.1	27.0	37.7	8.2	3.3						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 122

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.2	.4									1.7	5.7
NNE	.3											.4	2.7
NE													
ENE													
E	.3											2.1	2.0
ESE	.3	1.3	2.3	1.3								7.0	7.7
SE	.3	2.3	4.6	1.3								10.5	5.7
SSE	.3	.8	.8									2.5	5.2
S	.3	.4	.1									3.8	4.0
SSW		.4										.4	5.0
SW	.3			.4								2.0	3.9
WSW	.7	.4										2.1	2.0
W	.3	.4										2.3	2.7
WNW	.3	1.3	1.7	.4								5.0	5.3
NW	1.3	2.3	2.5	2.0	1.3							14.3	9.2
NNW	1.3	1.2	2.3	4.2								13.8	7.8
VARBL													
CALM												27.6	
	2.1	17.6	20.1	12.6	1.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 239

DATA PROCESSED BY THE
ETAC/USAF
AIR WEATHER SERVICE

SURFACE WINDS

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

[illegible] | [illegible] AS [illegible] BASE SPAIN | 70-74 | SEP
STATION | STATION NAME | YEARS | MONTH

[illegible] TYPE
CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.5	.5		.5						2.5	15.3
NNE	.5		.5									1.0	7.3
NE	2.0											2.0	2.0
ENE		.5										.5	4.0
E		1.5										1.5	4.7
ESE	.5	1.0	7.4	2.5								11.3	8.9
SE	.5	2.6	2.1	2.9								8.1	8.9
SSE	.5	2.0										2.5	4.2
S	.5			.5								1.5	5.7
SSW	1.5	1.0										2.5	3.2
SW	.5	.5										1.0	2.0
WSW	.5	.5	.5									2.0	4.0
W	1.0	1.0	.5									2.5	4.0
WNW	2.5	1.0	2.5	.5								5.5	6.5
NW	1.0	1.0	6.4	10.5	1.5	.5						21.1	11.2
NNW	2.5	2.5	1.4	4.5								12.5	9.0
VARBL	.5											.5	2.0
CALM												19.6	
	16.5	14.7	24.5	22.1	1.5	1.0						100.3	6.6

TOTAL NUMBER OF OBSERVATIONS 204

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 70-74 MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.1	4.1	2.1	.0							8.5	7.1
NNE		.0	.0									1.0	5.2
NE	.2	.5										1.0	5.1
ENE	.1											.3	3.1
E	.1	.6	1.1									2.3	5.6
ESE	.2		4.4	7.2								2.7	11.5
SE		1.1	2.1	3.3								10.5	10.2
SSE	.1		1.1									1.7	6.7
S	.1	.2	2.2	1.2								4.6	8.8
SSW		.6										.6	5.2
SW		.5										.5	5.0
WSW	1.1	.6										1.7	3.0
W	.5	.5										1.7	3.7
WNW	.7	2.4	1.1									5.3	4.3
NW	.2	1.1	6.0	7.7	1.6							18.8	11.0
NNW	1.1	1.1	4.4	11.1	1.7	.6						20.3	12.3
VARBL													
CALM												3.3	
	16.1	11.0	26.7	33.1	5.6	.5						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 101

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VRB													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

[illegible]

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	70,72-74	[illegible]

CLASS: [illegible]

HOURS (L.S.T.): [illegible]-17[illegible]

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]		[illegible]									[illegible]	[illegible]
NNE	[illegible]											[illegible]	[illegible]
NE	[illegible]											[illegible]	[illegible]
ENE													
E													
ESE	[illegible]		[illegible]	[illegible]	2.7							[illegible]	12.4
SE		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
SSE		[illegible]		[illegible]	[illegible]							[illegible]	[illegible]
S		[illegible]										[illegible]	[illegible]
SSW	[illegible]	[illegible]										[illegible]	[illegible]
SW		[illegible]										[illegible]	4.5
WSW	[illegible]			[illegible]								[illegible]	[illegible]
W		[illegible]		[illegible]	[illegible]							[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]	11.4
NW		[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	12.2
NNW		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	13.3
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	21.4	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 112

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

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.4											
NNE	.												
NE													
ENE													
E		.	1.3										
ESE			1.4	1.4									
SE	.	.	2.										
SSE	.		2.										
S	.												
SSW													
SW				1.									
WSW	.				1.4								
W	.	.											
WNW	1.		1.	2.									
NW			4.	4.	1.								
NNW	.		4.	4.	2.								
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 71

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 7-7? MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7											3.6	4.4
NNE		.9										2.3	4.4
NE												.9	
ENE												1.4	4.3
E		.5			.5							3.2	7.5
ESE		.9		1.8	.9							7.7	8.4
SE		.9		1.4								5.0	7.4
SSE		.4	1.4									3.3	5.7
S												1.8	2.5
SSW												.5	2.3
SW												1.2	2.3
WSW												3.2	3.5
W		.9										2.3	4.6
WNW												6.8	9.7
NW		1.8		9.5								13.6	11.0
NNW		1.8	1.8	5.9		.5						11.8	10.3
VARBL												1.4	9.7
CALM												21.3	
	2.9	7.0	3.2	21.7	1.4	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 221

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		.4											
ENE		.4										.4	
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 225

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

SURFACE WINDS

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

[illegible] | [illegible] | 70-74 | [illegible]
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

1300-1400
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			1.4	2.[illegible]	2.7	1.4						8.6	15.3
NNE	•											.7	3.5
NE													
ENE		.7										.7	4.5
E	.7	.7			1.4							2.8	11.3
ESE		.7	2.9	3.6								7.2	11.3
SE			3.6	3.6								7.2	10.5
SSE			.7	1.4								2.2	10.3
S	3.2	2.9		.7	.7							6.5	6.2
SSW	.7			.7								1.4	7.5
SW	1.4	.7	.7									2.8	3.4
WSW	2.9	2.2										5.1	3.8
W	2.2		.7									2.9	3.5
WNW		.7		2.2								2.9	10.3
NW		.7	4.3	6.6	4.3	2.2						20.1	13.6
NNW	1.4		.7	10.8	5.8	.7						19.4	14.4
VARBL													
CALM												10.1	
	11.5	9.4	15.1	34.5	15.1	4.3						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 139

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
												100.0	

TOTAL NUMBER OF OBSERVATIONS 30

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 7[illegible] MONTH _____

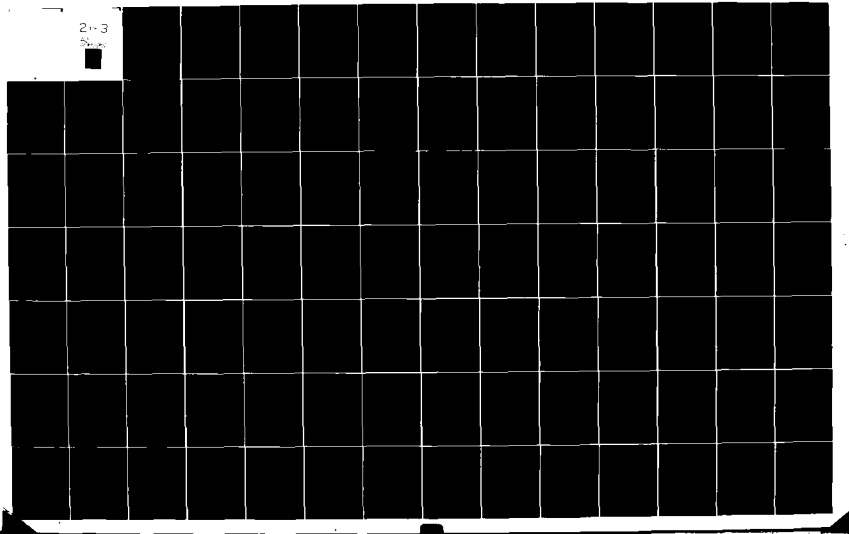
CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]			[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
NNE													
NE													
ENE													
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE	[illegible]			[illegible]	[illegible]							5.7	11.6
SE	[illegible]	[illegible]	[illegible]									[illegible]	4.7
SSE		[illegible]										[illegible]	[illegible]
S		[illegible]										[illegible]	[illegible]
SSW	[illegible]											[illegible]	[illegible]
SW	[illegible]		[illegible]									[illegible]	[illegible]
WSW	[illegible]	[illegible]										[illegible]	[illegible]
W	[illegible]		[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]
NNW			[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]7

AD-A088 962 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BARDENAS REALES RANGE, SPAIN. REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
JUN 75
UNCLASSIFIED USAFETAC/DS-80/088 NL



SURFACE WINDS

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

STATION | STATION NAME | 72-74 YEARS | MONTH

CLASS

CONDITION

1200-1700 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													
NNE													
NE													
ENE													
E	3.3											3.3	3.0
ESE			3.3									3.3	8.0
SE		3.3										3.3	5.0
SSE													
S													
SSW				3.3								3.3	12.0
SW	3.3											3.3	2.0
WSW													
W	3.3											3.3	2.0
WNW			6.7	3.3								10.0	10.3
NW	3.3	3.3	10.0	16.7	6.7	3.3		3.3				46.7	14.7
NNW				6.7	3.3	3.3						13.3	17.3
VARBL													
CALM												10.0	
	13.3	6.7	20.0	30.0	10.0	6.7		3.3				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 30

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	70-79	ALL

CLASS: CUSTOMARY

HOURS (L.S.T.): ALL

CONDITION: CIG 200 TO 1400 FT W/ VSBY 1/2 TO 2-1/2 W/CIG 200 FT OR [illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4				.2							1.2	11.0
NNE	.4		.2									1.2	4.3
NE	.2	.5										.8	4.0
ENE	.4	.9										1.4	3.3
E	2.3	1.2	.7									4.2	4.5
ESE	2.7	2.5	3.6	1.6	.5							14.1	6.6
SE	1.4	2.7	4.1	1.6			.5					10.2	5.2
SSE	2.3	1.3	1.4	.4								5.4	5.3
S	2.1	1.4										4.1	3.1
SSW	1.2	.9										2.2	2.5
SW	1.2			.2								2.7	4.5
WSW	.4	.5	.2									1.8	4.3
W	.4											.9	2.1
WNW	1.4	.2	.2	.2								2.2	5.4
NW	.2	.2	.5	.9	.5							2.7	10.9
NNW	.4		.7									2.7	4.2
VARBL	.4											.5	3.0
CALM												56.4	
	23.5	17.3	12.7	5.4	1.8		.5					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 220

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%.

S74-29963

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.

874-29964

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
NO CEILING	54.5	55.4	56.0	56.1	56.1	56.3	56.4	56.4	56.5	56.6	56.6	56.6	56.7	56.7	56.9
≥ 20000	60.9	61.9	62.6	62.7	62.7	62.9	63.0	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.6
≥ 18000	61.3	62.3	63.0	63.2	63.2	63.3	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.8	64.0
≥ 16000	61.5	62.6	63.3	63.4	63.4	63.6	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.1	64.3
≥ 14000	63.3	64.4	65.1	65.2	65.2	65.4	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.9	66.1
≥ 12000	65.3	67.0	67.7	67.8	67.8	68.0	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.7
≥ 10000	68.6	69.7	70.4	70.6	70.6	70.8	70.9	70.9	71.0	71.1	71.2	71.2	71.2	71.3	71.5
≥ 9000	70.4	71.6	72.3	72.5	72.5	72.7	72.8	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.4
≥ 8000	73.6	74.8	75.5	75.7	75.7	76.0	76.1	76.1	76.2	76.2	76.3	76.3	76.4	76.4	76.7
≥ 7000	77.0	78.3	79.0	79.2	79.3	79.5	79.6	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.2
≥ 6000	79.4	80.7	81.5	81.7	81.7	81.9	82.1	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.7
≥ 5000	82.0	83.3	84.1	84.4	84.4	84.6	84.8	84.8	84.9	85.0	85.1	85.1	85.1	85.2	85.4
≥ 4500	83.4	84.8	85.6	85.8	85.8	86.1	86.3	86.3	86.4	86.4	86.5	86.5	86.6	86.6	86.9
≥ 4000	85.7	87.2	88.0	88.2	88.2	88.5	88.7	88.7	88.8	88.8	88.9	89.0	89.0	89.1	89.3
≥ 3500	87.9	89.3	90.2	90.4	90.4	90.7	90.9	90.9	91.0	91.0	91.1	91.1	91.2	91.2	91.5
≥ 3000	89.6	91.1	92.0	92.2	92.3	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.1	93.3
≥ 2500	91.1	92.6	93.5	93.8	93.8	94.1	94.3	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.9
≥ 2000	92.0	93.6	94.8	95.1	95.2	95.5	95.7	95.7	95.8	95.9	96.0	96.0	96.0	96.1	96.3
≥ 1800	92.3	94.0	95.0	95.5	95.5	95.8	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.5	96.7
≥ 1500	92.6	94.4	95.5	95.9	95.9	96.3	96.6	96.6	96.7	96.8	96.9	96.9	96.9	97.0	97.2
≥ 1200	92.7	94.6	95.6	96.0	96.1	96.5	96.7	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.4
≥ 1000	92.9	94.7	95.9	96.3	96.4	96.9	97.1	97.1	97.3	97.3	97.4	97.4	97.5	97.6	97.8
≥ 900	93.0	94.8	96.0	96.4	96.5	97.0	97.2	97.3	97.4	97.5	97.6	97.6	97.7	97.7	98.0
≥ 800	93.0	94.9	96.0	96.5	96.6	97.1	97.3	97.4	97.5	97.6	97.7	97.7	97.8	97.9	98.1
≥ 700	93.0	94.9	96.0	96.5	96.6	97.1	97.4	97.4	97.6	97.7	97.8	97.8	97.9	97.9	98.2
≥ 600	93.0	94.9	96.0	96.6	96.6	97.2	97.5	97.5	97.7	97.8	97.9	97.9	98.0	98.0	98.2
≥ 500	93.0	94.9	96.1	96.6	96.7	97.3	97.6	97.6	97.8	97.8	98.0	98.0	98.1	98.2	98.5
≥ 400	93.0	94.9	96.1	96.7	96.7	97.3	97.6	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.6
≥ 300	93.0	94.9	96.1	96.7	96.7	97.4	97.7	97.8	98.1	98.2	98.4	98.4	98.5	98.6	99.0
≥ 200	93.0	94.9	96.1	96.7	96.8	97.4	97.8	97.8	98.2	98.3	98.5	98.5	98.7	98.8	99.6
≥ 100	93.0	94.9	96.1	96.7	96.8	97.4	97.9	97.8	98.2	98.3	98.5	98.5	98.8	98.8	99.7
≥ 0	93.0	94.9	96.1	96.7	96.8	97.4	97.8	97.8	98.2	98.3	98.5	98.5	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 8338

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING		39.7	40.0	40.6	40.8	40.8	40.8	41.2	41.2	41.7	41.7	42.4	42.4	42.7	42.7	43.6
≥ 20000		44.6	44.9	45.5	45.7	45.7	45.7	46.1	46.1	46.6	46.6	47.3	47.3	47.6	47.8	48.8
≥ 8000		45.1	45.4	46.3	46.6	46.6	46.6	47.0	47.0	47.5	47.5	48.2	48.2	48.5	48.7	49.7
≥ 6000		45.2	45.5	46.6	46.9	46.9	47.0	47.5	47.5	47.9	47.9	48.7	48.7	49.0	49.1	50.1
≥ 4000		48.1	48.4	49.4	49.7	49.7	49.9	50.3	50.3	50.7	50.7	51.5	51.5	51.8	51.9	53.0
≥ 3000		51.5	51.8	52.8	53.1	53.1	53.4	53.9	53.9	54.3	54.3	55.1	55.1	55.4	55.5	56.5
≥ 2500		54.2	54.5	55.5	55.8	55.8	56.1	56.5	56.5	57.0	57.0	57.9	57.9	58.2	58.5	59.5
≥ 2000		56.0	56.3	57.3	57.6	57.6	57.9	58.3	58.3	58.8	58.8	59.7	59.7	60.0	60.3	61.5
≥ 1800		61.2	61.5	62.5	62.9	62.9	63.2	63.7	63.7	64.1	64.1	65.2	65.2	65.6	65.9	67.1
≥ 1500		65.6	66.2	67.3	67.7	67.7	68.0	68.6	68.6	69.0	69.0	70.1	70.1	70.5	70.8	72.0
≥ 1200		68.5	69.0	70.1	70.5	70.5	70.8	71.4	71.4	71.9	71.9	72.9	72.9	73.4	73.7	74.9
≥ 1000		71.7	72.5	74.1	74.7	74.9	75.1	75.9	75.9	76.3	76.3	77.4	77.4	77.8	78.1	79.3
≥ 900		73.8	74.6	76.2	76.8	76.9	77.2	78.0	78.0	78.4	78.4	79.5	79.5	79.9	80.2	81.4
≥ 800		75.6	76.3	78.0	78.7	78.9	79.2	80.1	80.1	80.5	80.5	81.5	81.5	82.0	82.3	83.5
≥ 700		76.9	77.7	79.3	80.1	80.2	80.5	81.5	81.5	82.0	82.0	83.0	83.0	83.5	83.8	85.0
≥ 600		77.5	78.3	79.9	80.7	80.8	81.1	82.1	82.1	82.6	82.6	83.6	83.6	84.1	84.4	85.6
≥ 500		78.4	79.2	80.8	81.5	81.7	82.0	83.0	83.0	83.5	83.5	84.5	84.5	85.0	85.3	86.5
≥ 400		79.3	80.1	81.7	82.6	82.7	83.0	84.1	84.1	84.5	84.5	85.6	85.6	86.0	86.3	87.5
≥ 300		79.6	80.4	82.0	82.9	83.0	83.3	84.4	84.4	84.8	84.8	85.9	85.9	86.3	86.6	87.8
≥ 200		81.1	82.0	83.6	84.5	84.7	85.0	86.0	86.0	86.5	86.5	87.5	87.5	87.9	88.2	89.4
≥ 100		81.4	82.6	84.5	85.4	85.6	85.9	86.9	86.9	87.4	87.4	88.4	88.4	88.8	89.1	90.3
≥ 0		81.8	83.2	85.3	86.2	86.3	86.6	87.6	87.6	88.1	88.1	89.1	89.1	89.6	89.9	91.1
≥ 900		81.8	83.2	85.3	86.3	86.5	87.1	88.1	88.1	88.5	88.5	89.6	89.6	90.0	90.3	91.5
≥ 800		81.8	83.3	85.4	87.1	87.2	87.8	88.8	88.8	89.3	89.3	90.3	90.3	90.8	91.1	92.3
≥ 700		81.8	83.3	85.4	87.1	87.2	88.1	89.1	89.1	89.9	89.9	90.9	90.9	91.4	91.7	92.9
≥ 600		82.0	83.5	85.6	87.2	87.4	88.2	89.3	89.3	90.0	90.0	91.1	91.1	91.5	91.8	93.0
≥ 500		82.0	83.5	86.0	87.9	88.1	89.1	90.2	90.2	90.9	90.9	92.0	92.0	92.4	92.7	94.2
≥ 400		82.0	83.5	86.0	87.9	88.1	89.1	90.2	90.2	91.1	91.1	92.1	92.1	92.6	92.9	94.3
≥ 300		82.1	83.6	86.2	88.1	88.2	89.3	90.3	90.3	91.7	91.7	92.9	92.9	93.3	93.6	95.2
≥ 200		82.1	83.6	86.2	88.2	88.4	89.4	90.5	90.5	91.8	92.3	93.9	93.9	94.3	94.6	97.5
≥ 100		82.1	83.6	86.2	88.2	88.4	89.4	90.5	90.5	91.8	92.3	94.0	94.0	94.5	94.8	97.9
≥ 0		82.1	83.6	86.2	88.2	88.4	89.4	90.5	90.5	91.8	92.3	94.0	94.0	94.5	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 672

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-75 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING		43.4	45.2	46.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000		49.4	51.5	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 6500		49.9	51.9	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000		50.0	52.1	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 4000		50.4	52.5	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3000		54.3	56.4	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 2500		57.0	59.1	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 2000		59.9	62.4	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1800		62.9	65.6	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 1500		67.8	70.7	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1200		72.8	75.7	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000		75.0	78.1	79.3	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 900		77.8	81.1	82.3	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 800		82.2	85.5	86.7	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 700		85.0	88.3	89.5	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600		88.3	91.8	93.0	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500		91.9	95.4	96.6	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400		93.6	97.0	98.2	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		94.0	97.5	98.7	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		94.0	97.6	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		94.0	97.6	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.0	97.6	98.8	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 668

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	< ⅛	
		44.6	45.8	46.5	46.6	46.6	46.7	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0
		51.1	52.4	53.2	53.3	53.3	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
		52.3	53.6	54.4	54.5	54.5	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
		52.7	54.0	54.7	54.8	54.8	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
		53.3	55.1	55.8	56.0	56.0	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
		55.2	57.0	57.7	57.9	57.9	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
		57.3	59.2	60.0	60.2	60.2	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
		60.3	62.4	62.9	63.2	63.2	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
		63.2	65.1	65.6	66.0	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
		68.9	70.8	71.5	71.8	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
		71.6	73.5	74.3	74.5	74.5	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
		76.8	78.7	79.4	79.6	79.6	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
		78.8	80.7	81.4	81.6	81.6	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
		83.3	85.3	86.1	86.3	86.3	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
		87.2	89.3	90.0	90.2	90.2	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
		90.5	92.5	93.2	93.4	93.4	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
		93.7	95.8	96.7	96.9	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
		95.1	97.4	98.2	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
		95.5	97.7	98.6	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
		95.6	98.0	98.8	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
		95.8	98.2	99.0	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		95.9	98.3	99.2	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 839

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARUENAS REALES RANGE SPAIN 70-75 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES: ≥10	≥7	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNLIMITED	49.1	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	57.7	58.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	58.5	59.4	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
≥ 16000	59.1	60.0	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
≥ 14000	59.9	60.8	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
≥ 12000	61.3	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 11000	64.4	65.3	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	67.3	68.2	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
≥ 9000	71.2	72.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	74.7	75.7	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
≥ 7000	77.5	78.5	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
≥ 6000	82.6	83.8	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
≥ 5000	85.2	86.4	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
≥ 4500	89.9	91.2	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
≥ 4000	93.6	94.8	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	95.7	97.4	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	96.4	98.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	96.7	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	96.7	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	96.8	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	96.8	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	96.8	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.0	98.7	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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	97.1	98.8	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 853

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAY

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

USABLE STATUTE MILES

CEILING IN HUNDREDS OF FEET	≥0	≥¼	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥7	≥10
≥0	56.1	56.7	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥2	64.9	65.5	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥3	65.4	66.0	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥5	65.7	66.3	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥7	67.6	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥10	71.7	72.4	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥15	74.6	75.3	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥20	76.5	77.2	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥30	80.6	81.3	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥40	84.3	85.2	85.4	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥50	85.7	86.4	86.6	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥60	88.0	88.7	88.9	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥80	89.3	89.8	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥100	90.6	91.3	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥150	93.5	94.2	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥200	95.1	95.8	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥300	96.5	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥400	97.2	98.0	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥500	97.3	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥600	97.7	98.4	98.8	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥800	98.0	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1000	98.1	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1500	98.2	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥2000	98.2	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥2500	98.2	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥3000	98.2	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥3500	98.2	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥4000	98.3	99.0	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
≥4500	98.3	99.0	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
≥5000	98.3	99.0	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
≥6000	98.3	99.0	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
≥7000	98.3	99.0	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 830

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUN

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET															
	60.5	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
	66.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	66.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	66.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	68.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	72.2	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	76.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
	77.3	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
	80.6	81.7	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
	81.7	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	83.0
	84.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
	86.0	87.1	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	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
	87.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	88.3	90.0	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
	90.3	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	93.6	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	94.4	96.2	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
	94.4	96.2	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
	94.7	96.9	97.7	97.7	97.7	97.9	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2
	94.9	97.0	97.9	97.9	97.9	98.0	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
	95.1	97.2	98.0	98.0	98.0	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8
	95.1	97.4	98.4	98.4	98.4	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2
	95.1	97.4	98.4	98.5	98.5	98.8	98.8	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3
	95.1	97.4	98.4	98.5	98.5	98.8	98.8	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3
	95.1	97.4	98.4	98.5	98.5	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5
	95.1	97.4	98.4	98.5	98.5	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5
	95.1	97.5	98.5	98.7	98.7	99.3	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
	95.1	97.5	98.5	98.7	98.7	99.3	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
	95.1	97.5	98.5	98.7	98.7	99.3	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
	95.1	97.5	98.5	98.7	98.7	99.3	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
	95.1	97.5	98.5	98.7	98.7	99.3	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 607

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUL

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥															
		81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
		83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
		84.1	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
		84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
		84.7	85.3	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
		86.7	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
		90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
		91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
		93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
		94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
		97.1	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
		97.1	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
		97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
		98.8	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
		98.8	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
		98.8	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
		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 346

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 AUG

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥¾	≥½	≥¼	<¼
	79.0	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
	84.5	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	84.8	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
	84.9	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
	87.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	92.3	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	92.7	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	94.3	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	94.9	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
	95.6	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	95.7	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	96.4	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
	98.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	98.8	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
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 882

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 SEP

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
[illegible]	59.8	60.7	60.9	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
[illegible]	67.7	68.6	68.7	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
[illegible]	67.7	68.6	68.7	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
[illegible]	68.1	69.0	69.1	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
[illegible]	71.5	72.4	72.6	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
[illegible]	73.8	74.7	74.8	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
[illegible]	76.6	77.5	77.6	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
[illegible]	78.1	79.0	79.2	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
[illegible]	81.2	82.1	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
[illegible]	85.4	86.3	86.4	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	87.3	88.3	88.6	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
[illegible]	88.7	89.7	90.0	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
[illegible]	89.2	90.2	90.5	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
[illegible]	90.6	91.6	91.9	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	92.0	93.0	93.3	93.4	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
[illegible]	93.4	94.4	94.7	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
[illegible]	94.4	95.4	95.7	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.8	97.0	97.6	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
[illegible]	96.6	97.7	98.3	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
[illegible]	97.0	98.3	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	98.5	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 787

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	
NO CEILING	55.1	56.2	56.6	56.8	56.8	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.3	57.3
≥ 22000	63.5	64.9	65.5	65.7	65.7	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.6
≥ 18000	63.7	65.1	65.6	65.9	65.9	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.6	66.7
≥ 17000	64.1	65.5	66.0	66.3	66.3	66.6	66.7	66.7	66.9	66.9	66.9	66.9	66.9	67.0	67.1
≥ 14000	66.6	67.7	68.2	68.5	68.5	68.8	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.2	69.3
≥ 12000	68.9	70.0	71.1	71.4	71.4	71.7	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.1	72.2
≥ 10000	72.1	73.8	74.3	74.6	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.3	75.4
≥ 9000	74.7	76.4	76.9	77.2	77.2	77.5	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.9	78.0
≥ 8000	78.5	80.1	80.7	80.9	80.9	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.8
≥ 7000	79.6	81.2	81.9	82.2	82.2	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.9	83.0
≥ 6000	82.7	84.5	85.2	85.5	85.5	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.2	86.3
≥ 5000	85.2	87.0	87.7	88.0	88.0	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.7	88.8
≥ 4500	86.6	88.4	89.2	89.5	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.3
≥ 4000	89.4	91.2	92.0	92.3	92.3	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.2
≥ 3500	90.5	92.3	93.2	93.5	93.5	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.5	94.6
≥ 3000	91.4	93.2	94.2	94.5	94.5	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.6
≥ 2500	91.4	93.2	94.2	94.5	94.5	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.6
≥ 2000	92.5	94.5	95.6	96.1	96.1	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 1800	92.8	94.8	95.9	96.7	96.7	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.7	97.8
≥ 1500	93.5	95.4	96.5	97.5	97.5	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.9
≥ 1200	93.5	95.4	96.5	97.5	97.5	98.5	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.3	99.4
≥ 1000	93.5	95.4	96.7	97.7	97.7	98.6	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.4	99.6
≥ 900	93.5	95.4	96.7	97.7	97.7	98.6	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.4	99.6
≥ 800	93.6	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 700	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 600	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 500	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 400	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 300	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 200	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 100	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0
≥ 0	93.8	95.9	97.1	98.1	98.1	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 724

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 NOV

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥0	≥¼	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥6	≥7	≥8	≥9	≥10
	46.5	46.6	50.2	50.6	50.8	51.5	51.9	52.1	52.5	52.9	53.2	53.2	53.2	53.4	54.2			
	50.5	52.6	54.2	54.6	54.8	55.6	56.2	56.3	56.8	57.2	57.5	57.5	57.5	57.6	58.8			
≥ 800	50.6	52.8	54.4	54.8	54.9	55.8	56.3	56.5	56.9	57.3	57.6	57.6	57.6	57.9	58.9			
≥ 700	50.8	52.9	54.5	54.9	55.1	55.9	56.5	56.6	57.1	57.5	57.8	57.8	57.8	58.1	59.1			
≥ 600	52.6	54.8	56.3	56.8	56.9	57.8	58.3	58.5	58.9	59.3	59.6	59.6	59.6	59.9	60.9			
≥ 500	54.9	57.2	58.9	59.3	59.5	60.3	60.9	61.1	61.5	61.9	62.2	62.2	62.2	62.5	63.5			
≥ 450	57.3	59.6	61.3	61.8	61.9	62.8	63.3	63.5	63.9	64.3	64.6	64.6	64.6	64.9	65.9			
≥ 400	58.2	60.5	62.2	62.6	62.8	63.6	64.2	64.3	64.8	65.2	65.5	65.5	65.5	65.8	66.8			
≥ 350	61.9	64.2	66.2	66.6	66.9	68.0	68.6	68.8	69.2	69.6	69.9	70.0	70.0	70.3	71.3			
≥ 300	66.3	68.6	70.6	71.0	71.3	72.5	73.0	73.2	73.6	74.0	74.3	74.5	74.5	74.8	75.7			
≥ 250	69.5	71.9	74.2	74.6	74.9	76.0	76.6	76.7	77.2	77.6	77.9	78.0	78.0	78.3	79.3			
≥ 200	71.2	73.8	76.0	76.5	76.7	77.9	78.5	78.6	79.0	79.5	79.7	79.9	79.9	80.2	81.2			
≥ 175	72.0	74.6	76.9	77.3	77.6	78.7	79.3	79.5	79.9	80.3	80.6	80.7	80.7	81.0	82.0			
≥ 150	73.0	75.6	77.9	78.3	78.6	79.7	80.3	80.5	80.9	81.3	81.6	81.7	81.7	82.0	83.0			
≥ 125	74.9	77.5	79.7	80.2	80.5	81.6	82.2	82.3	82.7	83.2	83.5	83.6	83.6	83.9	84.9			
≥ 100	76.7	79.3	81.6	82.0	82.3	83.5	84.0	84.2	84.6	85.0	85.3	85.4	85.4	85.7	86.7			
≥ 90	77.7	80.3	82.6	83.3	83.6	84.7	85.3	85.4	85.9	86.3	86.6	86.7	86.7	87.0	88.0			
≥ 80	79.9	83.3	85.7	86.4	86.7	88.0	88.7	88.9	89.3	89.7	90.0	90.2	90.2	90.4	91.4			
≥ 70	80.5	83.9	86.4	87.2	87.4	88.7	89.4	89.6	90.0	90.4	90.7	90.9	90.9	91.2	92.2			
≥ 60	80.7	84.2	86.7	87.4	87.7	89.0	89.7	89.9	90.3	90.7	91.0	91.2	91.3	91.6	92.6			
≥ 50	80.7	84.2	86.7	87.4	87.7	89.0	89.7	89.9	90.3	90.7	91.0	91.2	91.3	91.6	92.6			
≥ 40	81.3	84.9	87.9	88.7	89.0	91.3	92.0	92.2	92.6	93.0	93.3	93.4	93.6	93.9	94.9			
≥ 30	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	92.9	93.3	93.6	93.7	93.9	94.2	95.1			
≥ 20	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	93.0	93.4	93.7	93.9	94.0	94.3	95.3			
≥ 15	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	93.0	93.4	93.7	93.9	94.0	94.3	95.3			
≥ 10	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	93.0	93.4	93.7	93.9	94.0	94.3	95.3			
≥ 5	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	93.0	93.4	93.9	94.0	94.2	94.4	95.6			
≥ 0	81.5	85.0	88.0	88.9	89.2	91.6	92.3	92.4	93.6	94.0	94.4	94.6	94.7	95.0	96.1			
	81.6	85.2	88.2	89.0	89.3	91.7	92.4	92.6	93.7	94.3	94.7	94.9	95.0	95.3	96.7			
	81.6	85.2	88.2	89.0	89.3	91.7	92.4	92.6	93.7	94.3	94.9	95.0	96.3	96.6	99.1			
	81.6	85.2	88.2	89.0	89.3	91.7	92.4	92.6	93.7	94.3	94.9	95.0	96.3	96.6	99.4			
	81.6	85.2	88.2	89.0	89.3	91.7	92.4	92.6	93.7	94.3	94.9	95.0	96.3	96.6	100.0			

TOTAL NUMBER OF OBSERVATIONS 701

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) ALL

CEILING FEET	VISIBILITY STATUTE MILES ≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
≥		44.5	45.2	46.0	46.6	46.6	46.9	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	48.0
≥		47.3	48.0	49.4	49.4	49.4	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.8
≥		47.3	48.0	49.4	49.4	49.4	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.8
≥		47.8	48.5	49.9	49.9	49.9	50.1	50.3	50.3	50.6	50.6	50.6	50.6	50.6	50.6	51.3
≥		48.3	49.0	50.3	50.3	50.3	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.7
≥		49.0	49.7	51.0	51.0	51.0	51.3	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	52.4
≥		50.1	50.8	52.2	52.2	52.2	52.4	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.6
≥		51.3	52.0	53.4	53.4	53.4	53.6	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.8
≥		52.9	53.6	55.0	55.0	55.0	55.2	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	56.4
≥		56.6	57.6	59.0	59.0	59.0	59.2	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.4
≥		57.8	58.7	60.1	60.1	60.1	60.4	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	61.5
≥		60.1	61.1	62.5	62.5	62.5	62.7	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.9
≥		62.2	63.2	64.6	64.6	64.6	64.8	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	66.0
≥		65.5	66.4	67.8	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	69.2
≥		67.6	68.5	69.9	69.9	69.9	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	71.3
≥		70.6	71.8	73.2	73.4	73.4	73.7	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.8
≥		72.7	73.9	75.5	76.0	76.2	76.5	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.6
≥		73.7	75.8	77.6	78.3	78.6	79.0	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	80.2
≥		73.9	76.0	77.9	78.6	78.8	79.5	80.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	81.4
≥		74.1	76.2	78.1	78.8	79.0	79.7	80.7	80.7	81.4	81.4	81.4	81.4	81.4	81.4	82.1
≥		74.1	76.2	78.1	78.8	79.0	79.7	80.7	80.7	81.4	81.4	81.4	81.4	81.4	81.4	82.1
≥		74.4	76.7	78.6	79.3	79.5	80.2	81.1	81.1	81.8	81.8	81.8	81.8	82.1	82.1	82.8
≥		75.1	77.4	79.3	80.0	80.2	80.9	81.8	81.8	82.5	82.5	82.8	82.8	83.0	83.0	83.7
≥		75.1	77.4	79.3	80.0	80.2	80.9	81.8	81.8	82.5	82.5	82.8	82.8	83.0	83.0	83.7
≥		75.1	77.4	79.3	80.0	80.2	80.9	82.5	82.5	83.2	83.2	83.4	83.4	83.7	83.7	84.4
≥		75.1	77.4	79.3	80.4	80.7	81.6	83.2	83.4	84.4	84.4	84.6	84.6	84.8	84.8	85.5
≥		75.1	77.4	79.3	80.4	80.7	81.8	83.4	83.7	84.6	84.6	85.5	85.5	85.8	85.8	87.2
≥		75.1	77.4	79.5	80.7	80.9	82.1	83.9	84.1	85.1	85.1	86.2	86.2	86.5	86.5	88.1
≥		75.1	77.4	79.5	80.7	81.1	82.3	85.3	85.8	87.2	87.4	89.0	89.0	89.7	90.2	93.5
≥		75.1	77.4	79.5	80.7	81.1	82.3	85.8	86.7	88.1	88.3	90.0	90.0	90.7	91.1	97.0
≥		75.1	77.4	79.5	80.7	81.1	82.3	85.8	86.7	88.1	88.3	90.0	90.0	91.1	91.6	98.8
≥		75.1	77.4	79.5	80.7	81.1	82.3	85.8	86.7	88.1	88.3	90.0	90.0	91.1	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-74 JAN

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥¼	≥0
NO CEILING	58.3	58.3	58.3	58.3	58.3	58.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	61.7
≥ 10000	60.0	60.0	60.0	60.0	60.0	60.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	63.3
≥ 8000	60.0	60.0	60.0	60.0	60.0	60.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	63.3
≥ 6000	60.0	60.0	60.0	60.0	60.0	60.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	63.3
≥ 5000	61.7	61.7	61.7	61.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	65.0
≥ 4000	63.3	63.3	63.3	63.3	63.3	63.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	66.7
≥ 3000	66.7	66.7	66.7	66.7	66.7	66.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	70.0
≥ 2500	70.0	70.0	70.0	70.0	70.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	73.3
≥ 2000	73.3	73.3	73.3	73.3	73.3	73.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	76.7
≥ 1800	78.3	78.3	78.3	78.3	78.3	78.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	81.7
≥ 1600	78.3	78.3	78.3	78.3	78.3	78.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	81.7
≥ 1400	78.3	78.3	80.0	80.0	80.0	80.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	83.3
≥ 1200	78.3	78.3	80.0	80.0	80.0	80.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	83.3
≥ 1000	78.3	78.3	80.0	80.0	80.0	80.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	85.0
≥ 900	78.3	78.3	80.0	80.0	80.0	80.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	85.0
≥ 800	78.3	78.3	80.0	80.0	80.0	80.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	85.0
≥ 700	80.0	80.0	81.7	81.7	81.7	81.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.7
≥ 600	80.0	80.0	81.7	81.7	81.7	81.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.7
≥ 500	80.0	80.0	81.7	81.7	81.7	81.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.7
≥ 450	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 400	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 350	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 300	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 250	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 200	85.0	85.0	86.7	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.7
≥ 150	85.0	85.0	88.3	88.3	88.3	88.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	93.3
≥ 100	85.0	85.0	88.3	88.3	88.3	88.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	93.3
≥ 50	85.0	85.0	88.3	88.3	88.3	88.3	91.7	91.7	93.3	93.3	93.3	93.3	93.3	93.3	95.0
≥ 0	85.0	85.0	88.3	88.3	88.3	88.3	91.7	91.7	93.3	93.3	93.3	93.3	93.3	93.3	96.7
	85.0	85.0	88.3	88.3	88.3	88.3	91.7	91.7	93.3	93.3	93.3	93.3	93.3	93.3	100.0

TOTAL NUMBER OF OBSERVATIONS 60

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

14913 BARDENAS REALES RANGE SPAIN 70-75 JAN

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼	
NO CEILING	36.6	37.6	38.5	39.0	39.0	39.0	39.9	39.9	40.8	40.8	42.3	42.3	42.7	42.7	44.1
≥ 15000	39.9	40.8	41.8	42.3	42.3	42.3	43.2	43.2	44.1	44.1	45.5	45.5	46.0	46.0	47.9
≥ 10000	39.9	40.8	42.7	43.7	43.7	43.7	44.6	44.6	45.5	45.5	46.9	46.9	47.4	47.4	49.3
≥ 9000	39.9	40.8	42.7	43.7	43.7	43.7	44.6	44.6	45.5	45.5	46.9	46.9	47.4	47.4	49.3
≥ 8000	41.8	42.7	44.6	45.5	45.5	45.5	46.5	46.5	47.4	47.4	48.8	48.8	49.3	49.3	51.2
≥ 7000	44.1	45.1	46.9	47.9	47.9	47.9	48.8	48.8	49.8	49.8	51.2	51.2	51.6	51.6	53.5
≥ 6000	46.9	47.9	49.8	50.7	50.7	50.7	51.6	51.6	52.6	52.6	54.5	54.5	54.9	54.9	56.8
≥ 5000	48.4	49.3	51.2	52.1	52.1	52.1	53.1	53.1	54.0	54.0	55.9	55.9	56.3	56.3	58.7
≥ 4500	54.5	55.4	57.3	58.2	58.2	58.2	59.2	59.2	60.1	60.1	62.0	62.0	62.4	62.4	64.8
≥ 4000	58.7	60.1	62.0	62.9	62.9	62.9	63.8	63.8	64.8	64.8	66.7	66.7	67.1	67.1	69.5
≥ 3500	60.1	61.5	63.4	64.3	64.3	64.3	65.3	65.3	66.2	66.2	68.1	68.1	68.5	68.5	70.9
≥ 3000	62.4	63.8	66.7	68.1	68.1	68.1	69.0	69.0	70.0	70.0	71.8	71.8	72.3	72.3	74.6
≥ 2500	65.7	67.1	70.0	71.4	71.4	71.4	72.3	72.3	73.2	73.2	75.1	75.1	75.6	75.6	77.9
≥ 2000	67.1	68.5	71.4	72.8	72.8	72.8	73.7	73.7	74.6	74.6	76.5	76.5	77.0	77.0	79.3
≥ 1800	68.5	70.0	72.8	74.2	74.2	74.2	75.6	75.6	76.5	76.5	78.4	78.4	78.9	78.9	81.2
≥ 1600	69.5	70.9	73.7	75.1	75.1	75.1	76.5	76.5	77.5	77.5	79.3	79.3	79.8	79.8	82.2
≥ 1400	71.4	72.8	75.6	77.0	77.0	77.0	78.4	78.4	79.3	79.3	81.2	81.2	81.7	81.7	84.0
≥ 1200	71.8	73.2	76.1	77.5	77.5	77.5	78.9	78.9	79.8	79.8	81.7	81.7	82.2	82.2	84.5
≥ 1000	71.8	73.2	76.1	77.5	77.5	77.5	78.9	78.9	79.8	79.8	81.7	81.7	82.2	82.2	84.5
≥ 900	74.6	76.5	79.3	80.8	80.8	80.8	82.2	82.2	83.1	83.1	85.0	85.0	85.4	85.4	87.8
≥ 800	75.1	77.0	79.8	81.2	81.2	81.2	82.6	82.6	83.6	83.6	85.4	85.4	85.9	85.9	88.3
≥ 700	75.6	77.9	81.2	82.6	82.6	82.6	84.0	84.0	85.0	85.0	86.9	86.9	87.3	87.3	89.7
≥ 600	75.6	77.9	81.2	82.6	82.6	82.6	84.0	84.0	85.0	85.0	86.9	86.9	87.3	87.3	89.7
≥ 500	75.6	77.9	81.2	82.6	82.6	82.6	84.0	84.0	85.0	85.0	86.9	86.9	87.3	87.3	89.7
≥ 400	75.6	77.9	81.2	82.6	82.6	82.6	84.0	84.0	85.4	85.4	87.3	87.3	87.8	87.8	90.1
≥ 300	75.6	77.9	81.2	82.6	82.6	82.6	84.0	84.0	85.4	85.4	87.3	87.3	87.8	87.8	90.1
≥ 200	75.6	77.9	81.7	83.6	83.6	83.6	85.0	85.0	86.4	86.4	88.3	88.3	88.7	88.7	91.5
≥ 100	75.6	77.9	81.7	83.6	83.6	83.6	85.0	85.0	86.4	86.4	88.3	88.3	88.7	88.7	91.5
≥ 0	75.6	77.9	81.7	83.6	83.6	83.6	85.0	85.0	87.3	87.3	89.7	89.7	90.1	90.1	93.0
	75.6	77.9	81.7	84.0	84.0	84.0	85.4	85.4	87.8	87.8	90.6	90.6	91.1	91.1	96.7
	75.6	77.9	81.7	84.0	84.0	84.0	85.4	85.4	87.8	87.8	90.6	90.6	91.1	91.1	97.2
	75.6	77.9	81.7	84.0	84.0	84.0	85.4	85.4	87.8	87.8	90.6	90.6	91.1	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS 213

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 JAN

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
NO CEILING		36.5	36.5	37.4	37.4	37.4	37.4	37.4	37.4	37.8	37.8	38.7	38.7	38.7	38.7	39.6
≥ 12000		41.0	41.0	41.9	41.9	41.9	41.9	41.9	41.9	42.3	42.3	43.2	43.2	43.2	43.7	44.6
≥ 8000		41.9	41.9	42.8	42.8	42.8	42.8	42.8	42.8	43.2	43.2	44.1	44.1	44.1	44.6	45.5
≥ 6000		41.9	41.9	43.2	43.2	43.2	43.7	43.7	43.7	44.1	44.1	45.0	45.0	45.0	45.5	46.4
≥ 4000		45.5	45.5	46.8	46.8	46.8	47.3	47.3	47.3	47.7	47.7	48.6	48.6	48.6	49.1	50.0
≥ 3000		51.8	51.8	53.2	53.2	53.2	54.1	54.1	54.1	54.5	54.5	55.4	55.4	55.4	55.9	56.8
≥ 2500		54.5	54.5	55.9	55.9	55.9	56.8	56.8	56.8	57.2	57.2	58.1	58.1	58.1	59.0	59.9
≥ 2000		55.4	55.4	56.8	56.8	56.8	57.7	57.7	57.7	58.1	58.1	59.0	59.0	59.0	59.9	60.8
≥ 1800		59.5	59.5	60.8	61.3	61.3	62.2	62.2	62.2	62.6	62.6	64.0	64.0	64.4	65.3	66.2
≥ 1500		64.9	65.3	66.7	67.1	67.1	68.0	68.5	68.5	68.9	68.9	70.3	70.3	70.7	71.6	72.5
≥ 1200		67.1	67.6	68.9	69.4	69.4	70.3	70.7	70.7	71.2	71.2	72.5	72.5	73.0	73.9	74.8
≥ 1000		69.8	70.7	72.1	72.5	73.0	73.9	74.8	74.8	75.2	75.2	76.6	76.6	77.0	77.9	78.8
≥ 900		72.1	73.0	74.3	74.8	75.2	76.1	77.0	77.0	77.5	77.5	78.8	78.8	79.3	80.2	81.1
≥ 800		75.2	76.1	77.5	78.4	78.8	79.7	80.6	80.6	81.1	81.1	82.4	82.4	82.9	83.8	84.7
≥ 700		76.1	77.0	78.4	79.3	79.7	80.6	81.5	81.5	82.0	82.0	83.3	83.3	83.8	84.7	85.6
≥ 600		76.1	77.0	78.4	79.3	79.7	80.6	81.5	81.5	82.0	82.0	83.3	83.3	83.8	84.7	85.6
≥ 500		76.1	77.0	78.4	79.3	79.7	80.6	81.5	81.5	82.0	82.0	83.3	83.3	83.8	84.7	85.6
≥ 400		77.5	78.4	79.7	81.1	81.5	82.4	83.3	83.3	83.8	83.8	85.1	85.1	85.6	86.5	87.4
≥ 300		77.9	78.8	80.2	81.5	82.0	82.9	83.8	83.8	84.2	84.2	85.6	85.6	86.0	86.9	87.8
≥ 200		77.9	78.8	80.2	81.5	82.0	82.9	83.8	83.8	84.2	84.2	85.6	85.6	86.0	86.9	87.8
≥ 100		78.4	79.3	80.6	82.0	82.4	83.3	84.2	84.2	84.7	84.7	86.0	86.0	86.5	87.4	88.3
0		78.8	79.7	81.1	82.4	82.9	83.8	84.7	84.7	85.1	85.1	86.5	86.5	86.9	87.8	88.7
≥ 900		78.8	79.7	81.1	82.4	82.9	84.2	85.1	85.1	85.6	85.6	86.9	86.9	87.4	88.3	89.2
≥ 800		78.8	79.7	81.1	83.8	84.2	85.6	86.5	86.5	86.9	86.9	88.3	88.3	88.7	89.6	90.5
≥ 700		78.8	79.7	81.1	83.8	84.2	86.5	87.4	87.4	88.3	88.3	89.6	89.6	90.1	91.0	91.9
≥ 600		78.8	79.7	81.1	83.8	84.2	86.5	87.4	87.4	88.3	88.3	89.6	89.6	90.1	91.0	91.9
≥ 500		78.8	79.7	81.1	83.8	84.2	86.9	87.8	87.8	88.7	88.7	90.1	90.1	90.5	91.4	92.8
≥ 400		78.8	79.7	81.1	83.8	84.2	86.9	87.8	87.8	89.2	89.2	90.5	90.5	91.0	91.9	93.2
≥ 300		79.3	80.2	81.5	84.2	84.7	87.4	88.3	88.3	89.6	89.6	91.0	91.0	91.4	92.3	94.1
≥ 200		79.3	80.2	81.5	84.2	84.7	87.4	88.3	88.3	89.6	90.5	92.8	92.8	93.2	94.1	96.4
≥ 100		79.3	80.2	81.5	84.2	84.7	87.4	88.3	88.3	89.6	90.5	93.2	93.2	93.7	94.6	97.3
0		79.3	80.2	81.5	84.2	84.7	87.4	88.3	88.3	89.6	90.5	93.2	93.2	93.7	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 222

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY STATUTE MILES

CEILING FEET	≥														
	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	39.2	39.2	39.2
	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	49.2	49.2	49.2
	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	50.0	50.0	50.0
	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.8	50.8	50.8
	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.6	54.6	54.6
	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	56.2	56.2	56.2
	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.5	58.5	58.5
	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.5	61.5	61.5
	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.5	68.5	68.5
	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.5	71.5	71.5
	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.4	75.4	75.4
	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.1	83.1	83.1
	83.1	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.6	84.6	84.6
	84.6	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	86.2	86.2	86.2
	86.2	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.7	87.7	87.7
	86.9	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.5	88.5	88.5
	86.9	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.5	88.5	88.5
	88.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0
	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.8	90.8	90.8
	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5
	90.0	90.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.8	93.8	93.8
	90.8	91.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.6	94.6	94.6
	90.8	91.5	93.8	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.2	96.2	96.2
	90.8	92.3	94.6	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.7	97.7	97.7
	90.8	92.3	94.6	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.7	97.7	97.7
	90.8	92.3	94.6	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.7	97.7	97.7
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.2	99.2	99.2
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.2	99.2	99.2
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.2	99.2	99.2
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	99.2	99.2	99.2	100.0	100.0	100.0
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	99.2	99.2	99.2	100.0	100.0	100.0
	90.8	92.3	95.4	97.7	97.7	98.5	98.5	98.5	98.5	99.2	99.2	99.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 130

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 72-75 JAN

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	97.9	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
	97.9	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
	97.9	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
	97.9	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
	97.9	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
	97.9	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
	97.9	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 47

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14019 BARDENAS REALES RANGE SPAIN 71-74 FEB

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼
UNLIMITED		51.0	51.0	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
25000		52.9	52.9	52.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
20000		52.9	52.9	52.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
15000		52.9	52.9	52.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
12000		54.9	54.9	54.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
10000		64.7	64.7	64.7	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		66.7	66.7	66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
8000		68.6	68.6	68.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
7000		72.5	72.5	72.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
6000		76.5	76.5	76.5	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		80.4	80.4	80.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
4500		80.4	80.4	80.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
4000		86.3	86.3	86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
3500		88.2	88.2	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
3000		88.2	88.2	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
2500		94.1	94.1	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2000		98.0	98.0	98.0	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		98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1600		98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1400		98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	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		98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		98.0	98.0	98.0	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		98.0	98.0	98.0	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 51

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-75 FEB

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	41.2	45.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	43.6	47.5	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	44.1	48.0	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
	44.1	48.0	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
	44.6	48.5	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	51.0	54.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
	55.4	59.3	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	59.8	64.7	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
	61.8	67.2	68.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
	68.6	74.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
	70.6	76.0	77.0	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
	72.1	77.5	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	75.0	80.9	81.9	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
	79.9	85.8	86.8	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
	82.4	88.2	89.2	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
	85.3	91.2	92.2	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
	90.2	96.1	97.1	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
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.7	97.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 204

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-75 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

42.4	43.3	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
47.6	50.4	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
50.4	51.3	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
50.4	51.3	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
50.5	51.6	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
52.7	53.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
54.5	55.4	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
57.1	58.5	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
60.3	61.6	64.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
62.9	64.7	67.4	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
69.2	71.4	74.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
73.2	75.4	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
76.3	78.6	81.3	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	84.4	87.1	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
85.7	87.9	90.6	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
87.5	90.2	92.9	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
91.5	94.2	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
92.4	95.1	97.8	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
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
93.8	96.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 224

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-75 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	¾	½	¼	0
UNLTD	43.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
25000	52.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
20000	52.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
15000	52.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
12000	52.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
10000	54.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
9000	56.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
8000	58.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
7000	63.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
6000	67.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
5000	73.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
4500	76.1	79.0	79.0	79.0	79.0	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
4000	78.3	81.2	81.2	81.2	81.2	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
3500	81.9	84.8	84.8	84.8	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
3000	84.8	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2500	88.4	91.3	91.3	91.3	91.3	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2200	90.6	93.5	93.5	93.5	93.5	94.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2000	94.9	97.8	97.8	97.8	97.8	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	94.9	97.8	97.8	97.8	97.8	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.9	98.6	98.6	98.6	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 138

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 72-73 FEB

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
UNLIMITED		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 15000		58.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 10000		58.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000		60.8	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000		60.8	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000		64.7	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
≥ 6000		66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000		66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500		68.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000		78.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500		86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000		86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500		86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000		86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800		90.2	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
≥ 1600		94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	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		98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.0	100.0	100.0	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		98.0	100.0	100.0	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 51

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-73 1AK

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
	60.0	60.0	60.0	60.0	60.0	60.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
	60.0	60.0	60.0	60.0	60.0	60.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
	60.0	60.0	60.0	60.0	60.0	60.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
	60.0	60.0	60.0	60.0	60.0	60.0	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	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	61.8	61.8	61.8	61.8	61.8	61.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	67.3	67.3	67.3	67.3	67.3	67.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
	72.7	72.7	72.7	72.7	72.7	72.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
	78.2	78.2	78.2	78.2	78.2	78.2	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	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
	80.0	80.0	80.0	80.0	80.0	80.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
	83.6	83.6	83.6	83.6	83.6	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
	85.5	85.5	85.5	85.5	85.5	85.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	92.7	92.7	92.7	92.7	92.7	92.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	94.5	94.5	94.5	94.5	94.5	94.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	94.5	94.5	94.5	94.5	94.5	94.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	96.4	96.4	96.4	96.4	96.4	96.4	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.2	98.2	98.2	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 55

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAR

0600-0300

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET															
	40.6	44.0	45.7	46.2	46.2	46.2	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	44.3	48.7	50.4	50.9	50.9	50.9	50.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	45.3	49.1	50.9	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
	46.6	50.4	52.1	52.6	52.6	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0
	46.6	51.3	53.0	53.4	53.4	53.8	53.8	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3
	47.0	51.7	53.4	53.8	53.8	54.3	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7
	49.1	54.3	56.0	56.4	56.4	56.8	56.8	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3
	52.1	57.3	59.0	59.4	59.4	59.8	59.8	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3
	56.4	61.5	63.2	63.7	63.7	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5
	63.7	68.8	70.5	70.9	70.9	71.4	71.4	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8
	66.2	71.4	73.1	73.5	73.5	73.9	73.9	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	71.8	76.9	78.6	79.1	79.1	79.5	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	74.4	79.5	81.2	81.6	81.6	82.1	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	79.9	85.5	87.2	87.6	87.6	88.0	88.0	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5
	84.5	90.2	91.9	92.3	92.3	92.7	92.7	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
	85.2	90.6	92.3	92.7	92.7	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	88.5	94.4	96.6	97.0	97.0	97.4	97.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	89.7	95.7	97.9	98.7	98.7	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	89.7	95.7	97.9	98.7	98.7	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	89.7	95.7	97.9	98.7	98.7	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.2	96.2	98.3	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 234

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAR

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNLIMITED	42.8	43.5	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 25000	50.2	50.9	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	50.2	50.9	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 15000	50.2	50.9	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	51.3	52.6	53.5	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	54.6	56.1	56.8	57.2	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 9000	55.7	57.2	57.9	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	59.8	61.3	62.0	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	60.5	62.0	62.7	63.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	67.5	69.0	69.7	70.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 5000	69.4	70.8	71.6	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	74.9	76.4	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	76.3	78.2	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	81.5	83.0	83.8	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	86.3	87.8	88.6	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	88.2	89.7	90.4	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	93.0	94.5	95.2	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	95.2	97.0	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	95.6	97.4	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	95.9	98.2	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	95.9	98.2	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.3	98.5	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 271

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAR

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
NO CEILING	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 3500	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 2500	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
≥ 2000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1750	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
≥ 1500	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
≥ 1250	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
≥ 1000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	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
≥ 800	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
≥ 700	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
≥ 600	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
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 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
≥ 150	100.0	100.0	100.0	100.0	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
≥ 50	100.0	100.0	100.0	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 172

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-71,73-75 MAR

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	¾	½	¼	0
NO CEILING	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 9000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 7000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	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
≥ 2500	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	78.5
≥ 2000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	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
≥ 1600	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1400	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
≥ 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 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 107

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14913 BARDENAS REALES RANGE SPAIN 71-73 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES ≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	<¼
UNLIMITED		56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 15000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500		78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000		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
≥ 3500		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000		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
≥ 2500		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
≥ 2000		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
≥ 1800		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
≥ 1600		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
≥ 1400		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
≥ 1200		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		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
≥ 900		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
≥ 800		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
≥ 700		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
≥ 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
≥ 450		100.0	100.0	100.0	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
≥ 350		100.0	100.0	100.0	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
≥ 250		100.0	100.0	100.0	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
≥ 150		100.0	100.0	100.0	100.0	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
≥ 50		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 50		100.0	100.0	100.0	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 50

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 APR

0600-0600

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES ≥	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	<¼
UNLIMITED		46.9	48.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
22000		57.0	59.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 15000		57.4	59.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000		57.8	59.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000		58.2	60.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 9000		59.0	60.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000		60.9	62.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000		64.1	66.1	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
≥ 6000		68.0	69.9	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
≥ 5000		71.1	73.0	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
≥ 4500		73.0	75.6	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
≥ 4000		79.3	81.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500		82.0	84.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000		87.1	89.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500		89.1	91.4	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
≥ 2200		92.6	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		93.4	96.9	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	99.2
≥ 1800		93.8	97.3	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
≥ 1700		93.8	97.3	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
≥ 1600		93.8	97.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		93.8	97.3	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
≥ 1400		93.8	97.3	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
≥ 1300		93.8	97.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		93.8	97.3	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
≥ 1100		93.8	97.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		94.1	97.7	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	100.0
≥ 900		94.1	97.7	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	100.0
≥ 800		94.1	97.7	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	100.0
≥ 700		94.1	97.7	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	100.0
≥ 600		94.1	97.7	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	100.0
≥ 500		94.1	97.7	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	100.0
≥ 400		94.1	97.7	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	100.0
≥ 300		94.1	97.7	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	100.0
≥ 200		94.1	97.7	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	100.0
≥ 100		94.1	97.7	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	100.0
≥ 0		94.1	97.7	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	100.0

TOTAL NUMBER OF OBSERVATIONS 256

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

14013 BARDENAS REALES RANGE SPAIN 70-75 APR

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
	57.1	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
	58.0	59.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	58.4	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
	60.0	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
	62.9	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
	66.5	67.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
	67.8	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
	71.4	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	76.7	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
	80.0	81.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
	85.7	86.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
	88.2	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
	91.0	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	94.7	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
	95.5	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
	95.5	97.6	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	96.3	98.4	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 245

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 APR

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
≥20000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥15000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥12000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥10000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥9000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥8000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥7000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥6000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥5000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥4500	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥4000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥3500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥3000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥2500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥2000	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	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 207

SPECIFIED BY MOORE BUSINESS FORMS, INC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71,73-75 APR

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
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	58.9
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	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	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	61.1	61.1	61.1
62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
74.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
74.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
86.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
90.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
96.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-73 MAY

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY IN STATUTE MILES

≥0	≥¼	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥6	≥7	≥10
60.4	64.6	64.6	64.6	64.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
64.6	68.8	68.8	68.8	68.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
64.6	68.8	68.8	68.8	68.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
64.6	68.8	68.8	68.8	68.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
66.7	72.9	72.9	72.9	72.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
70.8	77.1	77.1	77.1	77.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
75.0	81.3	81.3	81.3	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
79.2	85.4	85.4	85.4	85.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
81.3	87.5	87.5	87.5	87.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
83.3	89.6	89.6	89.6	89.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
83.3	89.6	89.6	89.6	89.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
83.3	89.6	89.6	89.6	89.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
85.4	91.7	91.7	91.7	91.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
87.5	93.8	93.8	93.8	93.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
87.5	93.8	93.8	93.8	93.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
89.6	95.8	95.8	95.8	95.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.7	97.9	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 48

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAY

0600-0300

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

59.3	60.5	60.8	60.8	61.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
66.2	67.3	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
66.2	67.3	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
65.9	68.1	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
69.6	70.7	71.5	71.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
73.8	74.9	75.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
74.9	76.0	76.8	76.8	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
77.2	78.3	79.1	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
81.4	82.5	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
85.9	87.1	87.8	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
86.3	87.5	88.2	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
87.5	88.6	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
87.8	89.0	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
89.4	90.5	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
91.6	92.8	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
93.9	95.1	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
95.8	97.0	98.1	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
96.2	97.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
96.2	97.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.0	98.1	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 263

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-75 MAY

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥7	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	<¼	≥0
UNLIMITED	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
20000	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
15000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
12000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
9000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
8000	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
7000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
6000	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
5000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4500	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
4000	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
3500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
3000	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
2500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	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
1500	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
1000	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
800	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
600	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
500	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
400	98.6	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
300	99.0	99.0	99.0	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	99.0	99.0	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	99.0	99.0	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	99.0	99.0	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 208

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARUENAS NEALES RANGE SPAIN 70-75 MAY

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES ≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	0
	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	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 223

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-75 MAY

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET															
	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
	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
	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	65.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	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
	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
	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
	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
	89.8	89.8	89.8	89.8	89.8	89.8	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	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 88

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-73 JUN

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 0	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13
		51.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
		55.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		55.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		55.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
		57.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
		66.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
		68.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
		71.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
		73.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
		73.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
		75.6	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
		75.6	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
		75.6	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
		75.6	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
		77.8	82.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
		80.0	84.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
		84.4	88.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
		84.4	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
		84.4	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0
		86.7	93.3	95.6	95.6	95.6	97.8	97.8	97.8	97.8	97.8	97.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 45

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
	57.1	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	63.4	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
	63.4	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
	63.4	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
	65.4	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
	68.5	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
	71.7	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
	71.7	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
	75.4	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	78.0	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	79.8	81.7	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	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
	82.7	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
	83.2	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
	86.4	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
	86.9	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	90.0	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
	91.6	95.3	96.9	96.9	96.9	96.9	96.9	97.4	97.4	97.9	97.9	97.9	97.9	97.9
	91.6	95.3	96.9	96.9	96.9	96.9	96.9	97.4	97.4	97.9	97.9	97.9	97.9	97.9
	91.6	95.3	96.9	96.9	96.9	96.9	96.9	97.4	97.4	97.9	97.9	97.9	97.9	97.9
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	95.8	97.4	97.4	97.4	97.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4
	92.1	96.3	97.9	97.9	97.9	98.4	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
	92.1	96.3	97.9	97.9	97.9	98.4	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
	92.1	96.3	97.9	97.9	97.9	98.4	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
	92.1	96.3	97.9	97.9	97.9	98.4	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
	92.1	96.3	97.9	97.9	97.9	98.4	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 191

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUN

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥7	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅛	≥0
	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	80.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
	84.4	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	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	92.5	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	93.1	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
	93.1	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
	93.8	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	93.8	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	94.4	96.3	96.9	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	94.4	96.9	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	94.4	96.9	98.1	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	94.4	96.9	98.1	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.4	96.9	98.1	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 160

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

	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
	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	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 147

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUN 1200-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	0
NO CEILING	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	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	71.9
≥ 15000	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	71.9
≥ 10000	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	71.9
≥ 8000	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	73.4	73.4
≥ 7000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 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	87.5
≥ 5000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4500	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-73 JUL

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
		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
		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
		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
		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		100.0	100.0	100.0	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 26

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 JUL

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
	75.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
	78.5	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
	78.5	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
	78.5	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
	80.4	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
	81.3	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
	86.0	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
	86.0	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
	86.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
	89.7	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
	93.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	95.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	95.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	95.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	97.2	100.0	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	97.2	100.0	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	97.2	100.0	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	97.2	100.0	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	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.2	100.0	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	97.2	100.0	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 107

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES PANGE SPAIN 70-74 JUL

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅛	≥0	
UNLIMITED	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
25,000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
20,000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
15,000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
12,000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
10,000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
9,000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
8,000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
7,000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
6,000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
5,000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4,500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4,000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
3,500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
3,000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2,500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2,000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1,800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1,600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1,400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1,200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1,000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

14015 BARDENAS REALES RANGE SPAIN 70-74 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY STATUTE MILES

CEILING FEET	≥0	≥¼	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥7
0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
100	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
200	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
300	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
400	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
500	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
600	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
700	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
800	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
900	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
1000	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
1100	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
1200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1400	100.0	100.0	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
1600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1700	100.0	100.0	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
1900	100.0	100.0	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
2100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2400	100.0	100.0	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
2600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	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 87

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

14013 BARDENAS REALES RANGE SPAIN 72-74 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

VISIBILITY STATUTE MILES

81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
97.0	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
97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	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 33

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14213 BARDENAS REALES RANGE SPAIN 70-73 ANG

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

	94.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
	86.4	86.4	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
	86.4	86.4	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
	89.4	89.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
	90.9	90.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	93.9	93.9	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
	93.9	93.9	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
	93.9	93.9	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
	93.9	93.9	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
	93.9	93.9	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	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 66

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 AUG

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	74.8	75.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
	77.5	77.9	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
	78.5	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
	79.2	79.4	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
	82.1	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	84.7	85.1	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
	88.9	89.3	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
	90.5	90.8	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
	91.5	92.0	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
	93.1	93.5	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
	93.1	93.5	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
	93.9	94.3	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
	93.9	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	94.7	95.4	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
	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	97.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	98.1	98.9	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
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 262

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 AUG

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	≥ 0	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/2	≥ 3	≥ 4	≥ 5	≥ 6
NO CEILING	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
≥ 20000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 15000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 12000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 10000	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
≥ 9000	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
≥ 8000	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
≥ 7000	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
≥ 6000	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
≥ 5000	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
≥ 4500	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 4000	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
≥ 3500	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
≥ 3000	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
≥ 2500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	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
≥ 1800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1600	99.5	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
≥ 1400	99.5	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
≥ 1200	99.5	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
≥ 1000	99.5	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
≥ 900	99.5	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
≥ 800	99.5	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
≥ 700	99.5	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
≥ 600	99.5	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
≥ 500	99.5	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	99.5	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	99.5	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	99.5	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	99.5	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	99.5	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 220

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.6	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
98.6	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
98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 212

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 71-74 AUG

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
≥ 10000	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	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	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
≥ 2000	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
≥ 1800	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
≥ 1500	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
≥ 1200	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
≥ 1000	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
≥ 900	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
≥ 800	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
≥ 700	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
≥ 600	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
≥ 500	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
≥ 400	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 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
≥ 150	100.0	100.0	100.0	100.0	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 122

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-73 SEP

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥7	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	≥0
	74.6	77.6	77.6	77.6	77.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
	76.1	79.1	79.1	79.1	79.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	76.1	79.1	79.1	79.1	79.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	76.1	79.1	79.1	79.1	79.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	76.1	79.1	79.1	79.1	79.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	77.6	80.6	80.6	80.6	80.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	80.6	83.6	83.6	83.6	83.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	80.6	83.6	83.6	83.6	83.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	86.6	89.6	89.6	89.6	89.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	88.1	91.0	91.0	91.0	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	91.0	94.0	94.0	94.0	94.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	92.5	95.5	95.5	95.5	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	94.0	97.0	97.0	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	94.0	97.0	97.0	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.5	98.5	98.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 67

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 SEP

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES ≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
	59.4	60.7	60.7	61.1	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
	63.2	64.4	64.4	64.9	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	63.2	64.4	64.4	64.9	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	63.2	64.4	64.4	64.9	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
4000	68.2	69.5	69.5	69.9	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
3000	72.0	73.2	73.2	73.6	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2500	73.2	74.5	74.5	74.9	74.9	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2000	75.7	77.0	77.0	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
1800	78.2	79.5	79.5	79.9	79.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
1500	83.3	84.5	84.5	84.9	84.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1200	85.8	87.4	87.4	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1000	87.4	89.1	89.1	89.5	89.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
900	87.4	89.1	89.1	89.5	89.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
800	88.3	90.0	90.0	90.4	90.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
700	90.4	92.1	92.1	92.5	92.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
600	92.5	94.1	94.1	94.6	94.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
500	93.7	95.4	95.4	95.8	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
400	94.1	95.8	96.7	97.1	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300	95.4	97.1	97.9	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.4	97.5	98.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 239

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 SEP

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

	51.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
	58.9	59.9	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
	58.9	59.9	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
	59.9	60.9	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
	64.9	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	66.3
	67.3	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	71.3	72.3	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
	72.3	73.3	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
	73.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
	77.7	78.7	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
	80.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
	83.2	84.2	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	83.2	84.2	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	85.5	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	86.1	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
	87.1	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	89.1	90.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
	92.6	94.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	94.1	95.5	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	95.0	97.0	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	99.5
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	95.5	97.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 202

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

14013 BARDENAS REALES RANGE SPAIN 70-74 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY STATUTE MILES

≥0	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥7	≥10
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
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	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
74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
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
76.8	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
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
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
85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
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
90.6	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
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
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
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
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
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	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 181

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 72-74 SEP

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
	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
	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
	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
	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
	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
	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
	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
	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
	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
	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	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 98

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

14913 BARDENAS REALES RANGE SPAIN 70-73 OCT

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET																
		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
		75.9	77.6	77.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
		75.9	77.6	77.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
		75.9	77.6	77.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
		77.6	79.3	79.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
		79.3	81.0	81.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
		81.0	82.8	82.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
		82.8	84.5	84.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
		87.9	89.7	89.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
		87.9	89.7	89.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
		87.9	89.7	89.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
		89.7	91.4	91.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
		91.4	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		91.4	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		91.4	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		91.4	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		91.4	93.1	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
		93.1	94.8	94.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
		93.1	94.8	94.8	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	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		96.6	98.3	98.3	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 58

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

14013 BARDENAS REALES RANGE SPAIN 70-74 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
	54.2	57.1	57.1	57.1	57.1	58.1	58.1	58.1	58.6	58.6	58.6	58.6	58.6	59.1	59.1
	57.1	60.1	60.1	60.1	60.1	61.1	61.1	61.1	61.6	61.6	61.6	61.6	61.6	62.1	62.6
	57.1	60.1	60.1	60.1	60.1	61.1	61.1	61.1	61.6	61.6	61.6	61.6	61.6	62.1	62.6
	58.6	61.6	61.6	61.6	61.6	62.6	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.5	64.0
	60.1	64.0	64.0	64.0	64.0	65.0	65.0	65.0	65.5	65.5	65.5	65.5	65.5	66.0	66.5
	64.5	68.5	68.5	68.5	68.5	69.5	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.4	70.9
	70.0	73.9	73.9	73.9	73.9	74.9	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.9	76.4
	71.4	75.4	75.4	75.4	75.4	76.4	76.4	76.4	76.8	76.8	76.8	76.8	76.8	77.3	77.8
	76.4	80.3	80.3	80.3	80.3	81.3	81.3	81.3	81.8	81.8	81.8	81.8	81.8	82.3	82.8
	77.8	81.8	82.3	82.3	82.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	84.2	84.7
	79.3	83.3	83.7	83.7	83.7	84.7	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.7	86.2
	83.3	87.2	87.7	87.7	87.7	88.7	88.7	88.7	89.2	89.2	89.2	89.2	89.2	89.7	90.1
	83.7	87.7	88.7	88.7	88.7	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.6	91.1
	85.2	89.2	90.1	90.1	90.1	91.1	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.1	92.6
	85.2	89.2	90.1	90.1	90.1	91.1	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.1	92.6
	85.7	89.7	90.6	90.6	90.6	91.6	91.6	91.6	92.1	92.1	92.1	92.1	92.1	92.6	93.1
	85.7	89.7	90.6	90.6	90.6	91.6	91.6	91.6	92.1	92.1	92.1	92.1	92.1	92.6	93.1
	87.2	91.6	92.6	92.6	92.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.6	95.1
	87.7	92.1	93.1	93.1	93.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	95.1	95.6
	88.7	93.1	94.1	94.6	94.6	96.6	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.5	98.0
	88.7	93.1	94.1	94.6	94.6	97.0	97.0	97.0	97.5	97.5	97.5	97.5	97.5	98.0	98.5
	88.7	93.1	94.6	95.1	95.1	97.5	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.5	99.0
	88.7	93.1	94.6	95.1	95.1	97.5	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.5	99.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0
	89.2	94.1	95.6	96.1	96.1	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 203

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 OCT

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

53.7	54.6	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
60.2	61.6	62.5	63.0	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
60.6	62.0	63.0	63.4	63.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
60.6	62.0	63.0	63.4	63.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
64.4	65.7	66.7	67.1	67.1	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
65.7	67.1	68.1	68.5	68.5	68.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
68.5	69.9	70.8	71.3	71.3	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
73.1	74.5	75.5	75.9	75.9	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
75.5	76.9	77.8	78.2	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
76.9	78.2	79.2	79.6	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
81.9	83.3	84.3	84.7	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
83.3	84.7	85.6	86.1	86.1	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
84.8	85.6	86.6	87.0	87.0	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
88.4	89.8	90.7	91.2	91.2	91.2	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
90.3	91.7	93.1	93.5	93.5	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
91.2	92.6	94.0	94.4	94.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
91.2	92.6	94.0	94.4	94.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
92.6	94.0	95.4	95.8	95.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
93.1	94.4	95.8	96.3	96.3	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
93.5	94.9	96.3	96.8	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
93.5	94.9	96.3	96.8	96.8	97.7	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
93.5	94.9	96.3	96.8	96.8	97.7	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
93.5	94.9	96.3	96.8	96.8	97.7	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	95.4	96.8	97.2	97.2	98.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 216

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARCENAS REALES RANGE SPAIN 70-74 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY STATUTE MILES

55.6	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
70.4	70.4	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
70.4	70.4	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
70.4	70.4	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
70.4	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
72.6	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
75.6	75.6	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
79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
85.9	85.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
89.6	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
91.9	91.9	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
94.8	94.8	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
97.0	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.0	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.6
97.5	97.8	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
97.3	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0
97.8	97.8	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	100.0

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70,72-74 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

48.2	48.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
68.8	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
73.2	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
74.1	74.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
74.1	74.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
77.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
78.6	78.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
83.9	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
87.5	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
90.2	91.1	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
94.6	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
94.6	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
95.5	96.4	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
95.5	96.4	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
95.5	96.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.5	96.4	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 112

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-73 JUV

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	2	2+	2½	2+	3	3½	4	4+	5	6+	7	8+	9+	10	+
		51.4	54.3	55.7	55.7	55.7	57.1	57.1	57.1	57.1	58.6	58.6	58.6	58.6	58.6	60.0
		52.9	55.7	57.1	57.1	57.1	58.6	58.6	58.6	58.6	60.0	60.0	60.0	60.0	60.0	61.4
		52.9	55.7	57.1	57.1	57.1	58.6	58.6	58.6	58.6	60.0	60.0	60.0	60.0	60.0	61.4
		52.9	55.7	57.1	57.1	57.1	58.6	58.6	58.6	58.6	60.0	60.0	60.0	60.0	60.0	61.4
		52.9	55.7	57.1	57.1	57.1	58.6	58.6	58.6	58.6	60.0	60.0	60.0	60.0	60.0	61.4
		54.3	57.1	58.6	58.6	58.6	60.0	60.0	60.0	60.0	61.4	61.4	61.4	61.4	61.4	62.9
		57.1	60.0	61.4	61.4	61.4	62.9	62.9	62.9	62.9	64.3	64.3	64.3	64.3	64.3	65.7
		57.1	60.0	61.4	61.4	61.4	62.9	62.9	62.9	62.9	64.3	64.3	64.3	64.3	64.3	65.7
		62.9	65.7	67.1	67.1	67.1	68.6	68.6	68.6	68.6	70.0	70.0	70.0	70.0	70.0	71.4
		64.3	67.1	68.6	68.6	68.6	70.0	70.0	70.0	70.0	71.4	71.4	71.4	71.4	71.4	72.9
		67.1	70.0	71.4	71.4	71.4	72.9	72.9	72.9	72.9	74.3	74.3	74.3	74.3	74.3	75.7
		70.0	72.9	74.3	74.3	74.3	75.7	75.7	75.7	75.7	77.1	77.1	77.1	77.1	77.1	78.6
		70.0	72.9	74.3	74.3	74.3	75.7	75.7	75.7	75.7	77.1	77.1	77.1	77.1	77.1	78.6
		71.4	74.3	75.7	75.7	75.7	77.1	77.1	77.1	77.1	78.6	78.6	78.6	78.6	78.6	80.0
		72.9	75.7	77.1	77.1	77.1	78.6	78.6	78.6	78.6	80.0	80.0	80.0	80.0	80.0	81.4
		75.7	78.6	80.0	80.0	80.0	81.4	81.4	81.4	81.4	82.9	82.9	82.9	82.9	82.9	84.3
		77.1	80.0	81.4	82.9	82.9	84.3	84.3	84.3	84.3	85.7	85.7	85.7	85.7	85.7	87.1
		78.6	82.9	84.3	85.7	85.7	87.1	87.1	87.1	87.1	88.6	88.6	88.6	88.6	88.6	90.0
		78.6	82.9	84.3	85.7	85.7	87.1	87.1	87.1	87.1	88.6	88.6	88.6	88.6	88.6	90.0
		78.6	82.9	84.3	85.7	85.7	87.1	87.1	87.1	87.1	88.6	88.6	88.6	88.6	88.6	90.0
		78.6	82.9	84.3	85.7	85.7	87.1	87.1	87.1	87.1	88.6	88.6	88.6	88.6	88.6	90.0
		80.0	84.3	85.7	87.1	87.1	90.0	90.0	90.0	90.0	91.4	91.4	91.4	91.4	91.4	92.9
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		81.4	85.7	87.1	88.6	88.6	91.4	91.4	91.4	91.4	92.9	92.9	92.9	92.9	92.9	94.3
		82.9	87.1	88.6	90.0	90.0	92.9	92.9	92.9	92.9	94.3	94.3	94.3	94.3	94.3	95.7
		82.9	87.1	88.6	90.0	90.0	92.9	92.9	92.9	92.9	94.3	94.3	94.3	97.1	97.1	98.6
		82.9	87.1	88.6	90.0	90.0	92.9	92.9	92.9	92.9	94.3	94.3	94.3	97.1	97.1	98.6
		82.9	87.1	88.6	90.0	90.0	92.9	92.9	92.9	92.9	94.3	94.3	94.3	97.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 70

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 NOV

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	<¼
	40.7	43.1	44.5	45.4	45.4	47.2	48.2	48.6	49.5	50.5	50.9	50.9	50.9	51.4	53.7
	44.0	46.3	47.7	48.6	48.6	50.9	51.8	52.3	53.2	54.1	54.6	54.6	54.6	55.0	57.8
	44.0	46.3	47.7	48.6	48.6	50.9	51.8	52.3	53.2	54.1	54.6	54.6	54.6	55.0	57.8
	44.0	46.3	47.7	48.6	48.6	50.9	51.8	52.3	53.2	54.1	54.6	54.6	54.6	55.0	57.8
	45.9	48.2	49.5	50.5	50.5	52.8	53.7	54.1	55.0	56.0	56.4	56.4	56.4	56.9	59.6
	47.7	50.0	51.4	52.3	52.3	54.6	55.5	56.0	56.9	57.3	58.3	58.3	58.3	58.7	61.5
	48.2	50.5	51.8	52.8	52.8	55.0	56.0	56.4	57.3	58.3	58.7	58.7	58.7	59.2	61.9
	49.5	51.8	53.2	54.1	54.1	56.4	57.3	57.8	58.7	59.6	60.1	60.1	60.1	60.6	63.3
	52.3	54.6	56.4	57.3	57.3	59.6	60.6	61.0	61.9	62.8	63.3	63.3	63.3	63.8	66.5
	57.8	60.1	61.9	62.8	62.8	65.1	66.1	66.5	67.4	68.3	68.8	68.8	68.8	69.3	72.0
	61.5	63.8	65.6	66.5	66.5	68.8	69.7	70.2	71.1	72.0	72.5	72.5	72.5	72.9	75.7
	61.9	64.2	66.1	67.0	67.0	69.3	70.2	70.6	71.6	72.5	72.9	72.9	72.9	73.4	76.1
	62.8	65.1	67.0	67.9	67.9	70.2	71.1	71.6	72.5	73.4	73.9	73.9	73.9	74.3	77.1
	64.7	67.0	68.8	69.7	69.7	72.0	72.9	73.4	74.3	75.2	75.7	75.7	75.7	76.1	78.9
	67.0	69.3	71.1	72.0	72.0	74.3	75.2	75.7	76.6	77.5	78.0	78.0	78.0	78.4	81.2
	69.3	71.6	73.4	74.3	74.3	76.6	77.5	78.0	78.9	79.8	80.3	80.3	80.3	80.7	83.5
	70.2	72.5	74.3	75.2	75.2	77.5	78.4	78.9	79.8	80.7	81.2	81.2	81.2	81.7	84.4
	71.6	75.2	77.1	78.0	78.0	80.7	81.7	82.1	83.0	83.9	84.4	84.4	84.4	84.9	87.6
	72.5	76.1	78.0	78.9	78.9	81.7	82.6	83.0	83.9	84.9	85.3	85.3	85.3	85.8	88.5
	72.9	76.6	78.4	79.4	79.4	82.1	83.0	83.5	84.4	85.3	85.8	85.8	86.2	86.7	89.4
	72.9	76.6	78.4	79.4	79.4	82.1	83.0	83.5	84.4	85.3	85.8	85.8	86.2	86.7	89.4
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.1	89.0	89.4	89.4	89.9	90.4	93.1
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.1	89.0	89.4	89.4	89.9	90.4	93.1
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.5	89.4	89.9	89.9	90.4	90.8	93.6
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.5	89.4	89.9	89.9	90.4	90.8	93.6
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.5	89.4	89.9	89.9	90.4	90.8	93.6
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	88.5	89.4	89.9	89.9	90.4	90.8	93.6
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	89.0	89.9	90.4	90.4	90.8	91.3	94.0
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	89.0	89.9	90.4	90.4	90.8	91.3	94.0
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	89.0	89.9	90.8	90.8	92.7	93.1	97.7
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	89.0	89.9	90.8	90.8	92.7	93.1	98.6
	74.3	78.0	80.3	81.2	81.2	85.8	86.7	87.2	89.0	89.9	90.8	90.8	92.7	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 218

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 NOV

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
	45.7	48.0	49.3	49.3	49.8	49.8	49.8	49.8	50.2	50.2	50.7	50.7	50.7	50.7	50.7
	49.3	51.6	52.9	52.9	53.4	53.4	53.8	53.8	54.3	54.3	54.7	54.7	54.7	55.2	55.2
	49.3	51.6	52.9	52.9	53.4	53.4	53.8	53.8	54.3	54.3	54.7	54.7	54.7	55.2	55.2
	49.3	51.6	52.9	52.9	53.4	53.4	53.8	53.8	54.3	54.3	54.7	54.7	54.7	55.2	55.2
	50.7	52.9	54.3	54.3	54.7	54.7	55.2	55.2	55.6	55.6	56.1	56.1	56.1	56.5	56.5
	54.3	57.0	58.7	58.7	59.2	59.2	59.6	59.6	60.1	60.1	60.5	60.5	60.5	61.0	61.0
	57.0	59.6	61.4	61.4	61.9	61.9	62.3	62.3	62.8	62.8	63.2	63.2	63.2	63.7	63.7
	57.8	60.5	62.3	62.3	62.8	62.8	63.2	63.2	63.7	63.7	64.1	64.1	64.1	64.6	64.6
	61.4	64.1	66.4	66.4	67.3	68.2	68.6	68.6	69.1	69.1	69.5	70.0	70.0	70.4	70.4
	65.5	68.2	70.4	70.4	71.3	72.2	72.6	72.6	73.1	73.1	73.5	74.0	74.0	74.4	74.4
	69.1	72.2	75.3	75.3	76.2	77.1	77.6	77.6	78.0	78.0	78.5	78.9	78.9	79.4	79.4
	71.3	74.4	77.6	77.6	78.5	79.4	79.8	79.8	80.3	80.3	80.7	81.2	81.2	81.6	81.6
	72.2	75.3	78.5	78.5	79.4	80.3	80.7	80.7	81.2	81.2	81.6	82.1	82.1	82.5	82.5
	73.1	76.2	79.4	79.4	80.3	81.2	81.6	81.6	82.1	82.1	82.5	83.0	83.0	83.4	83.4
	74.4	77.6	80.7	80.7	81.6	82.5	83.0	83.0	83.4	83.4	83.9	84.3	84.3	84.8	84.8
	75.3	78.5	81.6	81.6	82.5	83.4	83.9	83.9	84.3	84.3	84.8	85.2	85.2	85.7	85.7
	75.8	78.9	82.1	82.5	83.4	84.3	84.8	84.8	85.2	85.2	85.7	86.1	86.1	86.5	86.5
	77.1	81.2	84.8	85.2	86.1	87.0	87.9	87.9	88.3	88.3	88.8	89.2	89.2	89.7	89.7
	78.0	82.1	85.7	86.1	87.0	87.9	88.8	88.8	89.2	89.2	89.7	90.1	90.1	90.6	90.6
	78.5	82.5	86.1	86.5	87.4	88.3	89.2	89.2	89.7	89.7	90.1	90.6	90.6	91.0	91.0
	78.5	82.5	86.1	86.5	87.4	88.3	89.2	89.2	89.7	89.7	90.1	90.6	90.6	91.0	91.0
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	92.8	93.3	93.3	93.7	93.7
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	92.8	93.3	93.3	93.7	93.7
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	92.8	93.3	93.3	93.7	93.7
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	92.8	93.3	93.3	93.7	93.7
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	92.8	93.3	93.3	93.7	93.7
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	92.4	92.4	93.3	93.7	93.7	94.2	94.6
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	93.7	93.7	94.6	95.1	95.1	95.5	96.0
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	93.7	93.7	94.6	95.1	95.1	95.5	96.9
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	93.7	93.7	94.6	95.1	96.4	96.9	100.0
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	93.7	93.7	94.6	95.1	96.4	96.9	100.0
	78.5	83.0	87.4	88.3	89.2	91.0	91.9	91.9	93.7	93.7	94.6	95.1	96.4	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 223

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 NOV

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥7	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼	ALL
	53.2	55.4	57.6	57.6	57.6	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
	59.0	61.2	63.3	63.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
	59.7	61.9	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	60.4	62.6	64.7	64.7	64.7	64.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
	63.3	65.5	67.6	67.6	67.6	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
	63.3	65.5	67.6	67.6	67.6	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
	66.9	69.1	71.2	71.2	71.2	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
	67.6	69.8	71.9	71.9	71.9	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	71.9	74.1	76.3	76.3	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
	77.0	79.1	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
	79.1	81.3	83.5	83.5	83.5	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
	82.0	84.2	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	82.0	84.2	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	82.0	84.2	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	84.2	86.3	88.5	88.5	88.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	86.3	88.5	90.6	90.6	90.6	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
	88.5	90.6	92.8	92.8	92.8	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	92.8	95.0	97.1	97.1	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	92.8	95.0	97.8	97.8	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14015 BARDENAS REALES RANGE SPAIN 70-74 NOV

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
	49.0	49.0	51.0	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
	56.9	56.9	58.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	56.9	56.9	58.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	56.9	56.9	58.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	60.8	60.8	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	66.7	66.7	68.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
	72.5	72.5	74.5	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
	72.5	72.5	74.5	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	76.5	78.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
	80.4	80.4	82.4	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
	82.4	82.4	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	82.4	84.3	86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
	86.3	88.2	90.2	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
	86.3	88.2	90.2	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
	88.2	90.2	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	90.2	92.2	94.1	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
	90.2	92.2	94.1	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
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	94.1	96.1	98.0	100.0	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 51

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-73 DEC

0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	50.0	50.0	50.0	50.0	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
	56.7	56.7	56.7	56.7	56.7	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	56.7	56.7	56.7	56.7	56.7	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	60.0	60.0	60.0	60.0	60.0	60.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	63.3	63.3	63.3	63.3	63.3	63.3	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	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	73.3	73.3	73.3	73.3	73.3	73.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
	73.3	73.3	73.3	76.7	76.7	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	73.3	73.3	73.3	76.7	76.7	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	73.3	73.3	73.3	76.7	76.7	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	73.3	73.3	73.3	76.7	76.7	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	76.7	76.7	76.7	80.0	80.0	80.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	80.0	80.0	80.0	83.3	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	80.0	80.0	80.0	83.3	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	80.0	80.0	80.0	83.3	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	80.0	80.0	80.0	83.3	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	80.0	80.0	80.0	83.3	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	90.0
	80.0	80.0	83.3	86.7	86.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	93.3
	80.0	80.0	83.3	86.7	86.7	86.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	96.7
	80.0	80.0	83.3	86.7	86.7	86.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	96.7
	80.0	80.0	83.3	86.7	86.7	86.7	93.3	93.3	93.3	93.3	93.3	93.3	96.7	96.7	100.0
	80.0	80.0	83.3	86.7	86.7	86.7	93.3	93.3	93.3	93.3	93.3	93.3	96.7	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 30

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARJENAS REALES RANGE SPAIN 70-74 DEC

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	<	
		41.9	43.4	43.4	43.4	43.4	44.1	44.1	44.1	44.9	44.9	44.9	44.9	44.9	44.9	45.6
		41.9	43.4	43.4	43.4	43.4	44.1	44.1	44.1	44.9	44.9	44.9	44.9	44.9	44.9	45.6
		41.9	43.4	43.4	43.4	43.4	44.1	44.1	44.1	44.9	44.9	44.9	44.9	44.9	44.9	45.6
		41.9	43.4	43.4	43.4	43.4	44.1	44.1	44.1	44.9	44.9	44.9	44.9	44.9	44.9	45.6
400		42.6	44.1	44.1	44.1	44.1	44.9	44.9	44.9	45.6	45.6	45.6	45.6	45.6	45.6	46.3
300		43.4	44.9	44.9	44.9	44.9	45.6	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	47.1
250		45.6	47.1	47.1	47.1	47.1	47.8	47.8	47.8	48.5	48.5	48.5	48.5	48.5	48.5	49.3
200		46.3	47.8	47.8	47.8	47.8	48.5	48.5	48.5	49.3	49.3	49.3	49.3	49.3	49.3	50.0
150		47.8	49.3	49.3	49.3	49.3	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	51.5
100		50.7	52.2	52.2	52.2	52.2	52.9	52.9	52.9	53.7	53.7	53.7	53.7	53.7	53.7	54.4
90		50.7	52.2	52.2	52.2	52.2	52.9	52.9	52.9	53.7	53.7	53.7	53.7	53.7	53.7	54.4
80		51.5	52.9	52.9	52.9	52.9	53.7	53.7	53.7	54.4	54.4	54.4	54.4	54.4	54.4	55.1
70		54.4	55.9	55.9	55.9	55.9	56.6	56.6	56.6	57.4	57.4	57.4	57.4	57.4	57.4	58.1
60		58.8	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	62.5
50		58.8	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	62.5
40		61.8	64.0	64.0	64.7	64.7	65.4	65.4	65.4	66.2	66.2	66.2	66.2	66.2	66.2	66.9
30		64.7	66.9	66.9	67.6	67.6	68.4	68.4	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.9
25		66.9	70.6	70.6	71.3	71.3	72.1	72.1	72.1	72.8	72.8	72.8	72.8	72.8	72.8	73.5
20		67.6	71.3	71.3	72.1	72.1	72.8	72.8	72.8	74.3	74.3	74.3	74.3	74.3	74.3	75.0
15		67.6	71.3	71.3	72.1	72.1	72.8	73.5	73.5	75.7	75.7	75.7	75.7	75.7	75.7	76.5
12		67.6	71.3	71.3	72.1	72.1	72.8	73.5	73.5	75.7	75.7	75.7	75.7	75.7	75.7	76.5
10		67.6	72.1	72.1	72.8	72.8	73.5	74.3	74.3	76.5	76.5	76.5	76.5	77.2	77.2	77.9
9		69.1	73.5	73.5	74.3	74.3	75.0	75.7	75.7	77.9	77.9	77.9	77.9	78.7	78.7	79.4
8		69.1	73.5	73.5	74.3	74.3	75.0	75.7	75.7	77.9	77.9	77.9	77.9	78.7	78.7	79.4
7		69.1	73.5	73.5	74.3	74.3	75.0	75.7	75.7	77.9	77.9	77.9	77.9	78.7	78.7	79.4
6		69.1	73.5	73.5	75.0	75.0	75.7	76.5	76.5	78.7	78.7	78.7	78.7	79.4	79.4	80.1
5		69.1	73.5	73.5	75.0	75.0	76.5	77.2	77.2	79.4	79.4	81.6	81.6	82.4	82.4	84.6
4		69.1	73.5	73.5	75.0	75.0	76.5	77.2	77.2	79.4	79.4	81.6	81.6	82.4	82.4	84.6
3		69.1	73.5	73.5	75.0	75.7	77.2	79.4	79.4	81.6	81.6	83.8	83.8	84.6	86.0	89.0
2		69.1	73.5	73.5	75.0	75.7	77.2	80.9	81.6	83.8	83.8	86.0	86.0	86.8	88.2	94.9
1		69.1	73.5	73.5	75.0	75.7	77.2	80.9	81.6	83.8	83.8	86.0	86.0	87.5	89.0	98.5
0		69.1	73.5	73.5	75.0	75.7	77.2	80.9	81.6	83.8	83.8	86.0	86.0	87.5	89.0	100.0

TOTAL NUMBER OF OBSERVATIONS 136

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 UFC

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥	≥5	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	¾	½	¼	0
	38.4	39.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.4
	42.5	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.5
	42.5	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.5
	43.2	43.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.2
	43.2	43.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.2
	43.2	43.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.2
	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.9
	46.6	47.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.6
	48.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.7
	55.5	56.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	58.2
	57.5	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	60.3
	61.6	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.4
	62.3	63.7	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	65.1
	65.8	67.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.5
	67.8	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.5
	71.2	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
	71.9	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7
	71.9	74.0	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.8
	71.9	74.0	75.3	75.3	75.3	76.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.8
	71.9	74.0	75.3	75.3	75.3	77.4	80.8	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.9
500	71.9	74.0	75.3	75.3	75.3	77.4	80.8	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.9
400	71.9	74.0	75.3	75.3	75.3	77.4	80.8	81.5	82.2	82.2	82.9	82.9	82.9	82.9	84.2
300	71.9	74.0	75.3	75.3	75.3	77.4	82.2	82.9	83.6	84.2	86.3	86.3	87.7	87.7	92.5
200	71.9	74.0	75.3	75.3	75.3	77.4	82.2	83.6	84.2	84.9	87.0	87.0	88.4	88.4	96.6
100	71.9	74.0	75.3	75.3	75.3	77.4	82.2	83.6	84.2	84.9	87.0	87.0	88.4	88.4	97.9
0	71.9	74.0	75.3	75.3	75.3	77.4	82.2	83.6	84.2	84.9	87.0	87.0	88.4	88.4	100.0

TOTAL NUMBER OF OBSERVATIONS 146

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 70-74 DEC

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES ≥0	≥¼	≥½	≥¾	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥4	≥5	≥6	≥10
UNLIMITED		48.3	48.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	54.0
25000		55.2	55.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.9
20000		55.2	55.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.9
15000		56.3	56.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	62.1
12000		57.5	57.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	63.2
10000		58.6	58.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.4
9000		58.6	58.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.4
8000		58.6	58.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.4
7000		59.8	59.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	65.5
6000		60.9	60.9	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	66.7
5000		63.2	63.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	69.0
4500		64.4	64.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	70.1
4000		67.8	67.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	73.6
3500		70.1	70.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.9
3000		74.7	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	80.5
2500		78.2	78.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.9
2000		79.3	79.3	85.1	86.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.5
1800		80.5	81.6	87.4	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.8
1500		80.5	81.6	87.4	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.8
1200		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	92.0
1000		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	92.0
900		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	92.0
800		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	92.0	92.0	92.0	92.0	93.1
700		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	92.0	92.0	92.0	92.0	93.1
600		81.6	82.8	88.5	89.7	90.8	90.8	90.8	90.8	90.8	92.0	92.0	92.0	92.0	93.1
500		81.6	82.8	88.5	90.8	92.0	92.0	92.0	92.0	92.0	92.0	93.1	93.1	93.1	94.3
400		81.6	82.8	88.5	90.8	92.0	92.0	92.0	92.0	92.0	92.0	93.1	93.1	93.1	94.3
300		81.6	82.8	88.5	90.8	92.0	92.0	93.1	93.1	93.1	93.1	94.3	94.3	94.3	95.4
200		81.6	82.8	88.5	90.8	92.0	92.0	93.1	93.1	95.4	95.4	96.6	96.6	96.6	98.9
100		81.6	82.8	88.5	90.8	92.0	92.0	93.1	93.1	95.4	95.4	96.6	96.6	96.6	100.0
0		81.6	82.8	88.5	90.8	92.0	92.0	93.1	93.1	95.4	95.4	96.6	96.6	96.6	100.0
		81.6	82.8	88.5	90.8	92.0	92.0	93.1	93.1	95.4	95.4	96.6	96.6	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 87

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14013 BARDENAS REALES RANGE SPAIN 72-74 DEC

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
	70.0	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3

PART D SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

S74-29965

DATA PROCESSING DIV
ETAC/USAF
AIR WEATHER SERVICE / MAC

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
14[illegible]	BARBERS POINT NAS	70-7[illegible]	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	7.[illegible]	10.3		6.6	8.1	5.5	5.2		7.3	17.3	[illegible]	6.4	90[illegible]
FEB		15.2	11.6		6.5	5.6	5.1	3.4		9.[illegible]	16.7	[illegible]6.7	5.9	[illegible]74
MAR		13.3	10.6		8.1	5.5	5.8	5.9		9.[illegible]	15.3	[illegible]4.3	5.9	[illegible]40
APR		8.1	11.5		9.4	6.9	7.2	5.5		10.5	16.9	23.3	6.1	394
MAY		5.7	9.9		9.0	13.2	7.6	6.9		14.2	10.6	22.7	6.1	820
JUN		14.7	16.8		11.5	8.0	4.7	3.3		7.3	13.9	19.3	5.1	606
JUL		24.[illegible]	17.8		15.2	9.0	7.4	4.3		6.3	10.5	5.4	3.6	343
AUG		28.1	22.2		11.5	9.7	5.2	4.9		4.4	6.0	7.8	3.2	881
SEP		20.2	13.7		11.0	7.2	6.9	5.1		10.[illegible]	11.7	12.8	4.6	798
OCT		18.1	14.9		7.2	7.1	7.9	5.2		10.0	14.7	14.9	5.0	726
NOV		12.9	13.4		10.2	7.3	5.3	3.3		9.4	13.6	24.1	5.0	708
DEC		12.5	9.6		14.3	6.1	4.8	5.1		5.2	13.4	26.8	5.8	432
TOTALS		15.1	13.5		10.3	7.9	6.4	4.7		8.6	13.4	20.0	5.3	8340

DATA PROCESSING GROUP
ETAC/USAF
AIR WEATHER SERVICE / MAC

2

SKY COVER

14761 | SALINAS (ALEX PANGE SPAN) | 70-74 | JUL
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02													
	03-05	20.0	0.3		3.0	13.3	8.3	3.3		5.	15.3	30.0	5.1	30
	06-08	11.3	5.7		9.4	9.4	2.6	5.2		7.1	15.5	23.0	5.4	212
	09-11	1.8	5.5		10.0	5.9	5.0	6.8		11.4	17.7	31.8	7.1	220
	12-14	1.6	13.2		7.6	5.4	7.6	2.3		10.1	16.0	34.1	7.	12
	15-17	4.3	14.9		6.5	6.4	4.3	8.5		4.3	21.3	27.7	6.4	47
	18-20													
	21-23													
TOTALS		7.9	10.3		8.8	8.1	5.5	5.2		7.8	17.3	29.3	6.4	668

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

14[illegible]	[illegible]	71-7[illegible]	[illegible]
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	00-02													
	03-05	27.5	9.8		3.9	5.9	2.0	2.0		5.9	21.6	21.6	[illegible].2	[illegible]1
	06-08	14.6	11.2		9.2	4.9	3.9	3.4		6.[illegible]	13.6	33.0	6.0	[illegible]
	09-11	10.5	14.6		7.5	8.3	3.1	3.5		6.[illegible]	17.1	27.6	6.0	228
	12-14	13.8	7.2		8.0	5.8	6.5	4.3		10.9	13.8	29.7	5.2	1[illegible]
	15-17	9.3	15.7		3.9	3.9	9.8	3.9		13.7	17.5	21.6	6.0	[illegible]1
	18-20													
	21-23													
TOTALS		15.2	11.6		6.5	5.8	5.1	3.4		9.[illegible]	16.7	26.7	5.9	674

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

[illegible]

SKY COVER

[illegible] 70-7[illegible]

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	00-02													
	03-05	29.1	7.3		7.3	7.3	7.3	1.6		10.9	7.3	21.6	4.6	55
	06-08	11.9	11.9		7.2	5.6	6.8	3.4		9.0	15.3	29.6	5.2	[illegible]
	09-11	11.8	11.1		8.1	4.6	5.2	6.3		6.6	15.9	30.3	5.2	271
	12-14	9.9	7.0		5.8	5.6	8.1	7.6		11.[illegible]	16.6	26.2	6.5	172
	15-17	3.7	15.9		12.1	5.6	6.5	10.3		11.2	19.6	1[illegible].0	5.9	107
	18-20													
	21-23													
			[illegible]		8.1	5.5	6.8	5.9		9.9	15.3	24.6	5.9	240

[illegible] OBSOLETE

2

DATA PROCESSING BRANCH
STAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
14[illegible]	BARBERAS ALES SA OF SP[illegible]	70-73	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02													
	03-05	14.0	2.0		16.0	8.0	12.0			4.[illegible]	15.0	26.0	[illegible]	[illegible]
	06-08	9.7	12.8		7.4	8.2	5.5	3.9		8.6	17.9	25.7	6.1	[illegible]
	09-11	9.3	11.0		5.7	6.1	10.2	6.1		8.[illegible]	16.7	26.0	6.2	246
	12-14	6.3	12.6		7.2	5.8	9.7	5.5		13.5	15.0	24.2	6.3	[illegible]
	15-17	1.1	19.1		8.5	6.4	8.5	2.1		16.1	19.1	17.0	6.1	94
	18-20													
	21-23													
TOTALS		8.1	11.5		9.4	6.9	9.2	3.6		10.6	16.9	23.8	6.1	354

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

STATION | STATION NAME | PERIOD | YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]													
	03-05	6.1	10.4		8.3	10.3	9.3	6.2		14.6	4.2	20.6	5.9	48
	06-08	7.4	12.8		13.6	8.9	4.7	7.0		10.3	11.2	23.3	5.6	297
	09-11	3.9	12.2		11.7	13.7	5.9	5.9		13.7	13.2	20.3	5.9	205
	12-14	5.4	10.9		7.7	7.7	10.0	7.7		14.1	13.1	23.5	6.3	221
	15-17	5.7	9.4		5.7	17.0	9.1	6.8		18.2	12.5	21.6	6.5	88
	18-20													
	21-23													
TOTALS		5.7	9.9		9.0	13.2	7.0	6.9		14.2	10.8	22.7	6.1	820

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
14013	BARBERAS [illegible] SPAIN	70-74	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02													
	03-05	17.[illegible]	15.6		6.7	8.9	4.4	2.2		4.4	17.8	22.2	5.2	45
	06-08	19.9	14.7		8.4	5.2	5.2	1.[illegible]		7.3	15.2	23.0	5.2	191
	09-11	20.[illegible]	13.8		13.2	5.7	3.1	1.9		5.0	10.1	26.4	5.0	159
	12-14	5.4	25.9		8.6	9.5	7.5	6.6		12.9	10.9	12.2	4.9	147
	15-17	9.4	14.1		20.3	10.9	3.1	4.7		9.4	15.6	12.5	5.0	64
	18-20													
	21-23													
TOTALS		14.7	16.8		11.5	8.0	4.7	3.3		7.8	13.9	19.3	5.1	606

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

2

SKY COVER

14913	BADENAS SCALES RANGE SPAIN	70-74	JUL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02													
	03-05	26.9	25.4		19.4	11.9	5.8	3.8		5.3	7.7	11.9	3.7	26
	06-08	28.7	16.1		9.5	8.6	6.7	4.8		8.7	11.4	7.6	3.8	105
	09-11	24.1	22.9		19.4	6.5	7.5	5.4		6.5	5.4	5.4	3.3	93
	12-14	23.1	23.1		10.5	7.0	7.0	4.7		9.3	7.0	2.3	3.1	86
	15-17	12.1	27.2		21.2	9.1	12.1	3.0		6.1	21.2		4.3	33
	18-20													
	21-23													
TOTALS		24.8	17.3		15.2	9.0	7.4	4.3		6.5	10.5	5.4	3.0	343

2

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

14012	BARDENAS REALES RANGE SPAIN	70-74	[illegible]
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02													
	03-05	36.4	22.7		15.2	10.6		1.5		1.5	1.5	10.6	2.5	66
	06-08	24.8	27.1		10.3	6.1	5.3	6.1		5.0	7.6	7.6	3.3	262
	09-11	29.5	20.9		7.7	10.5	6.8	3.5		4.5	6.8	9.5	3.4	220
	12-14	26.9	19.6		14.2	10.6	7.5	6.6		5.2	4.2	4.7	3.1	212
	15-17	23.1	20.7		9.9	10.7	6.6	6.6		5.8	9.9	6.6	3.7	121
	18-20													
	21-23													
TOTALS		28.1	22.2		11.5	9.7	5.2	4.9		4.4	6.0	7.8	3.2	881

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
14[illegible]	BARDENAS REALES RANGE SPAIN	70-74	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02													
	03-05	37.3	9.0		14.9	6.0	9.0	1.5		7.5	1.5	13.4	5.4	67
	06-08	18.8	17.2		12.6	5.9	5.0	2.5		7.9	10.9	19.2	4.7	239
	09-11	18.6	12.3		9.3	5.9	4.9	4.4		8.8	16.2	19.6	5.3	204
	12-14	18.2	12.7		6.6	11.0	7.2	7.7		16.6	14.4	5.5	4.3	181
	15-17	8.2	17.5		14.4	7.2	8.2	9.3		13.4	15.5	6.2	4.9	97
	18-20													
	21-23													
TOTALS		20.2	13.7		11.6	7.2	6.9	5.1		10.8	11.7	12.8	4.6	788

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

14-13	BARDENAS REALES RANGE SPAI	70-74	OCT
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02													
	03-05	44.8	12.1		5.2	5.2	8.6	1.7		8.6	6.9	6.9	3.0	58
	06-08	17.6	16.2		7.8	8.3	6.4	6.4		6.4	11.8	19.1	4.9	204
	09-11	11.5	16.6		8.8	5.1	7.4	4.1		7.4	18.9	20.3	5.6	217
	12-14	11.1	16.3		9.6	8.1	8.9	5.9		13.3	15.6	11.1	5.2	135
	15-17	5.4	13.4		4.5	8.9	8.0	8.0		14.3	20.5	17.0	6.2	112
	18-20													
	21-23													
TOTALS		18.1	14.9		7.2	7.1	7.9	5.2		10.0	14.7	14.9	5.0	726

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

14.15	BARDENAS REALES RANGE SPAIN	70-74	NOV
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02													
	03-05	23.9	12.7		4.2	8.5	5.6	1.4		7.[illegible]	9.9	26.8	5.1	71
	06-08	10.9	12.2		10.4	9.0	5.4	5.4		7.7	8.6	30.3	5.8	221
	09-11	8.4	11.5		14.6	6.6	3.1	4.4		8.[illegible]	19.0	24.3	6.0	226
	12-14	9.4	15.1		12.2	10.8	6.5	1.4		6.5	10.8	27.3	5.6	139
	15-17	11.8	15.7		9.8	3.9	5.9	3.9		17.6	19.6	11.8	5.5	51
	18-20													
	21-23													
TOTALS		12.9	13.4		10.2	7.8	5.3	3.3		9.4	13.6	24.1	5.6	708

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / MAC

SKY COVER

[illegible] BARBERS POLES RANGE SPAIN 70-74 [illegible]
STATION STATION NAME PERIOD YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02													
	03-05	26.7	3.3		10.3	3.3	3.3	3.3			13.3	33.3	5.5	30
	06-08	13.9	0.5		8.7	8.0	3.0	2.9		7.2	12.3	34.5	6.2	138
	09-11	5.4	6.8		10.9	6.8	4.8	4.5		6.5	17.7	34.5	5.9	147
	12-14	4.0	11.3		18.4	5.7	5.7	4.0		6.9	17.2	25.3	6.1	87
	15-17	10.0	20.0		20.0	6.7	6.7	10.0		3.3	6.7	16.7	4.5	30
	18-20													
	21-23													
TOTALS		12.5	4.6		14.3	6.1	4.8	5.1		5.2	13.4	28.8	5.8	432

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.

E

Continued on Reverse

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

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

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

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

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

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

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

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

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

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

DATA PROCESSING
USAF ETAC
AIR WEATHER SERVICE / MAC
14913 STATION [illegible] STATION NAME 71-75 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100								2.0					.2
95						1.0	9.1	16.2					2.6
90						3.5	20.5	27.3	1.1				8.7
85					.9	2.1	21.1	52.3	49.5	11.3			18.3
80				1.9	18.7	47.4	81.5	73.7	86.6	1.2			38.9
75			.9	8.4	42.7	68.4	95.5	92.9	94.8	5.3			58.1
70			1.8	15.9	67.8	78.9	100.0	96.0	98.9	25.1			65.3
65	1.1	1.1	5.5	33.0	77.1	96.1		98.0	98.9	51.2	7.8		44.1
60	6.5	.4	20.9	58.2	91.7	99.7		100.0	97.8	84.5	35.6	4.4	57.3
55	21.7	13.0	34.5	84.1	100.0	100.0			98.9	92.9	67.8	27.7	73.1
50	38.7	72.2	77.3	95.3					100.0	98.5	84.4	52.3	87.1
45	75.0	9 .9	94.5	99.1						100.0	91.1	67.7	93.6
40	89.1	100.0	100.0	100.0							93.9	86.2	98.1
35	98.5										100.0	93.1	99.0
30	98.9											98.9	99.8
25	100.0											100.0	100.0
MEAN	49.1	54.1	54.7	62.0	71.0	77.7	85.0	84.6	76.0	65.2	56.2	48.2	65.2
S D	7.712	4.665	6.604	8.095	8.392	7.922	6.699	8.374	8.121	6.741	6.704	7.822	14.372
TOTAL OBS	92	86	110	107	96	76	44	99	93	84	90	65	1044

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAFETAC
IN-HOUSE SERVICE A/AC
14[illegible] [illegible] AIRFIELD SCALES AA OF SPAIN 71-75 LL
STATION STATION NAME YEARS

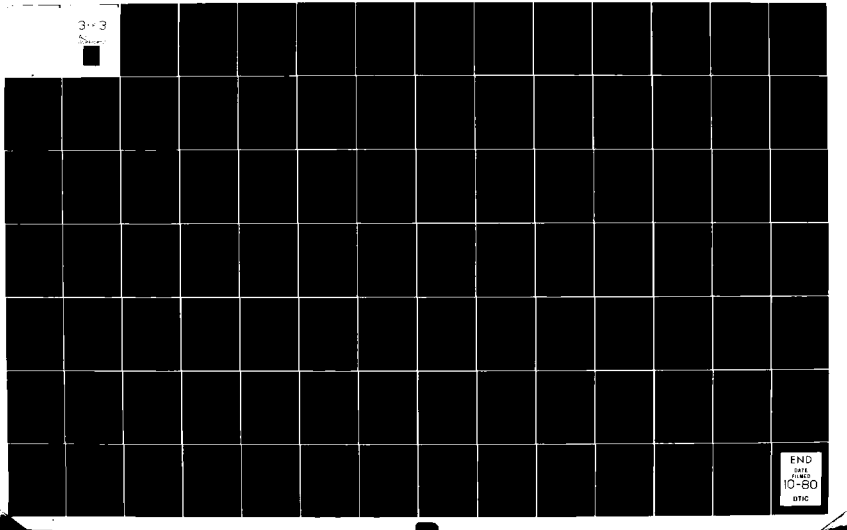
DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ 77							.3						.1
≥ 75								.3					.7
≥ 68						3.6	29.5	34.3	4.2				5.3
≥ 59					5.4	32.3	77.3	59.7	38.3	2.4			16.9
≥ 50				6.5	32.4	71.1	95.5	93.9	67.7	16.7	4.4		39.5
≥ 59	4.3	1.1	3.2	22.4	66.7	94.7	100.0	98.0	86.0	35.1	14.7	3.1	43.0
≥ 45	10.9	.9	14.2	46.7	85.4	97.4		100.0	94.6	58.5	33.3	10.[illegible]	58.4
≥ 40	41.3	34.1	48.2	76.6	95.7	100.0			98.5	83.3	62.2	35.4	72.1
≥ 35	69.6	73.0	77.5	94.4	100.0				100.0	97.[illegible]	86.9	66.2	89.1
≥ 32	76.1	84.1	84.5	95.5						100.0	93.3	70.[illegible]	92.0
≥ 30	85.9	92.0	96.4	99.1							97.8	83.1	96.4
≥ 25	97.3	97.7	98.2	100.0							100.0	93.[illegible]	99.3
≥ 20	99.9	100.0	100.0									98.[illegible]	99.8
≥ 15												100.0	99.9
≥ 10	100.0												100.0
MEAN	37.3	37.7	38.9	44.4	51.2	57.1	62.5	62.3	56.6	47.0	42.1	36.6	47.6
S D	6.654	5.491	6.885	6.311	5.933	4.943	4.613	5.499	6.792	6.691	6.607	7.123	10.805
TOTAL OBS	92	83	110	107	95	75	44	99	93	44	90	86	1044

USAFETAC FORM 0-21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A088 962 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
BARDENAS REALES RANGE, SPAIN. REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)
JUN 75
UNCLASSIFIED USAFETAC/DS-80/088 NL



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14014 STATION — BARDENAS (SALES) RANGE SPAIN STATION NAME — 70-75 YEARS — ALL

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ 0								6.1					.5
≥ 5							11.4	21.2					2.5
≥ 10						11.1	40.9	42.4	17.5				7.5
≥ 15					11.5	42.1	84.1	73.7	32.3				17.5
≥ 20				2.8	34.4	69.5	100.0	93.9	57.0	7.1			27.0
≥ 25			.9	20.6	83.5	90.8		99.0	85.2	28.6	1.3		38.8
≥ 30	1.1		9.1	43.9	78.1	100.0		100.0	95.8	59.5	14.7		49.6
≥ 35	15.2	1.5	27.3	74.8	100.0				100.0	89.3	51.1	15.4	64.6
≥ 40	31.1	5.1	65.5	89.7						98.2	80.0	47.7	82.4
≥ 45	76.1	94.2	97.3	100.0						100.0	94.4	89.2	94.7
≥ 50	91.1	100.0	99.1								100.0	84.6	98.0
≥ 55	96.7		100.0									96.9	99.3
≥ 60	98.9											100.0	99.9
≥ 65	100.0												100.0
≥													
MEAN	42.5	45.2	47.0	53.5	61.3	67.7	74.0	73.7	66.2	56.3	49.4	42.7	56.7
S D	6.504	3.498	4.875	6.106	6.275	5.779	4.646	6.215	6.103	5.679	5.622	6.622	12.065
TOTAL OBS	92	89	110	107	96	78	44	99	93	84	90	65	1044

USAFETAC 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

2

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14013 STATION BARUENAS REALES RANGE SPAIN STATION NAME 70-75 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
70	* 57	*	62*	80*	80*	91*	96*	96*	87*	82*	69*	59	
71	* 57*	59*	62*	71*	80*	89*	87*	98*	69*	77*	66*	66	* 98
72	* 59*	59*	73*	79*	89*	87*	98*	96*	84*	73*	66*	62	* 98
73	* 59*	62*	66*	85*	87*	95*	89*	101*	93*	77*	66*	60	* 101
74	* 66*	59*	76*	69*	84*	86*	98*	99*	89*	68*	64*	59	* 99
75	* 64*	66*	64*	78*	78.								
MEAN	59.3	61.0	67.2	76.8	83.0	89.6	93.6	97.8	88.4	75.4	66.2	60.0	98.8
S.D.	4.844	3.082	5.947	5.913	4.362	3.578	5.225	2.049	3.286	5.225	1.789	1.225	1.500
TOTAL OBS.	92	88	110	107	96	76	44	99	93	84	90	65	1044

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

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

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

2

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14013 STATION BARDENAS REALES RANGE SPAIN STATION NAME 70-75 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
70	* 37	*	26*	28*	50*	57*	57*	57*	48*	33*	37*	24	
71	* 14*	33*	23*	41*	37*	46*	57*	57*	55*	46*	33*	24	* 14
72	* 28*	32*	32*	37*	39*	44*	59*	45*	42*	37*	26*	28	* 26
73	* 23*	23*	28*	30*	42*	53*	53*	57*	46*	37*	30*	17	* 17
74	* 27*	24*	24*	39*	39*	50*	53*	51*	37*	35*	30*	22	* 24
75	* 24*	28*	32*	30*	39								
MEAN	25.8	28.0	27.5	34.2	41.0	50.0	55.8	53.6	45.6	37.6	31.2	24.2	20.3
S.D.	7.387	4.528	3.886	5.492	4.690	5.244	2.683	4.980	6.731	4.980	4.087	4.494	5.679
TOTAL OBS.	92	88	110	107	96	76	44	99	93	84	90	65	1044

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

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14012 STATION | BARDENAS REALES RANGE SPAIN STATION NAME | 70-75 YEARS | ALL MONTH | PAGE 1 | ALL 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
102/101														.0	.1			2	2		
100/ 99															.0	.0		4	4		
98/ 97												.0	.0	.0	.0	.1		13	13		
96/ 95											.0	.0	.1	.1	.0		.0	14	18		
94/ 93												.0	.1	.1		.1	.0	23	23		
92/ 91								.0			.1	.1	.1	.1				27	27		
90/ 89							.0	.0	.0	.1	.1	.1	.1	.0				40	40		
88/ 87						.0		.0	.1	.2	.2	.1	.1					55	55		
86/ 85						.0	.1	.1	.2	.3	.3	.3	.1	.0		.0		108	106		
84/ 83						.0	.1	.2	.2	.2	.2	.1	.0	.0		.0		88	91		
82/ 81						.0	.2	.2	.1	.3	.2	.1	.0					105	106		
80/ 79				.0		.1	.1	.5	.3	.2	.1	.0						126	127	2	
78/ 77		.0			.1	.3	.4	.2	.5	.3	.1	.0						166	166	1	
76/ 75				.0	.1	.3	.0	.3	.4	.3	.1	.0						179	179	9	2
74/ 73				.1	.2	.3	.5	.3	.2	.2	.0							195	195	27	2
72/ 71			.0	.2	.6	.4	.5	.6	.3	.2	.0							228	229	58	
70/ 69		.3	.3	.4	.7	.6	.4	.3	.3	.0								277	277	125	9
68/ 67	.1	.1	.3	.8	.6	.3	.6	.4	.1	.1								316	317	207	15
66/ 65	.1	.2	.5	.7	.6	.6	.6	.5	.3									287	297	243	43
64/ 63	.2	.3	.6	.8	.7	.6	.5	.1	.1									326	326	345	114
62/ 61	.3	.5	.7	.9	.7	.7	.4	.2	.0	.0								365	365	402	149
60/ 59	.3	1.0	1.3	1.9	.9	.9	.3	.2	.0	.0								539	560	469	369
58/ 57	.1	.8	1.0	1.0	1.0	.7	.3	.0	.0									402	403	483	326
56/ 55	.1	.6	.9	1.3	1.2	.6	.1	.0	.0									401	401	527	359
54/ 53	.1	.7	1.4	1.6	.9	.2	.0											407	410	541	410
52/ 51	.1	1.0	1.5	1.0	.6	.1	.1											378	382	420	416
50/ 49	.3	1.3	2.3	1.0	.7	.2												488	491	558	734
48/ 47	.2	1.3	2.3	.8	.5	.1												428	429	593	490
46/ 45	.3	2.2	1.2	.3	.2	.1												369	369	602	542
44/ 43	.4	2.2	1.2	.6	.1													372	374	551	579
42/ 41	.6	3.3	1.8	.4	.1													536	536	510	851
40/ 39	.6	2.0	1.0	.1	.0													298	299	477	630
38/ 37	.5	1.4	.5	.1	.0													213	213	405	534
36/ 35	.4	.8	.5	.1														140	140	213	476

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) AUG 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14018 STATION | BARDENAS REALES RANGE SPAIN STATION NAME | 70-75 YEARS | ALL MONTH | 2 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
34/ 33	.4	.3	.2															122	122	139	359
32/ 31	.7	.5	.3															105	111	166	360
30/ 29	.7	.2	.0															55	61	90	216
28/ 27	.3	.0																46	56	47	149
26/ 25	.2	.0																18	13	19	75
24/ 23	.1	.0																11	12	9	55
22/ 21																				2	18
20/ 19		.0																2	2		9
18/ 17		.0																3	4	3	2
16/ 15																			1	2	1
14/ 13																			1		4
12/ 11																					2
10/ 9																					3
TOTAL	.9	2	1.4	2.0	2.1	1.1	1.0	.7	7.0	5.7	5.1	3.0	2.4	1.4	1.0	.6	.3	.1	.1	.0	8346	8304	8304	

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.	415685504	565128	66.1	19.350	8304							
Dry Bulb	28010554	468728	56.2	14.213	8346		312.3	160.1	285.4	533.0	64.5	8760
Wet Bulb	21550940	414542	49.9	10.158	8304		394.8	472.8	40.1			9760
Dew Point	17183837	369553	44.5	9.425	8304		947.2	25.2	3.4			8760

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14013 STATION — BARDENAS REALES RANGE SPAIN STATION NAME — 70-75 YEARS — JAN MONTH

PART I — ALL 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
66/ 65					.2													2	2		
64/ 63							.2											1	1		
62/ 61					.6													4	4		
60/ 59				.9	.3	.2		.2										2	2	1	
58/ 57			.3	1.2	.9	.2												17	17	1	
56/ 55		.2	.5	1.1	.3	.2	.2											15	15	2	
54/ 53		.6	1.7	1.2	1.4	.3												34	34	11	1
52/ 51		.5	1.7	1.4	.9	.2												30	30	13	3
50/ 49	.2	2.1	2.7	1.2	.6													45	45	35	10
48/ 47	.3	2.1	4.2	1.4	.3													56	56	39	23
46/ 45	.6	4.2	3.6	.6														56	56	57	43
44/ 43	1.3	4.7	2.1	.2														60	60	91	45
42/ 41	2.7	10.3	2.3		.2													102	102	81	94
40/ 39	1.7	4.7	1.4															51	51	89	98
38/ 37	3.3	3.5	.2	.2														48	48	67	87
36/ 35	.3	2.7	.8															28	28	81	71
34/ 33	1.3	2.3	.3															27	27	36	37
32/ 31	3.3	1.4	.2															32	35	43	64
30/ 29	2.3	.8																22	27	20	38
28/ 27	2.1	.3																16	19	15	25
26/ 25	.5																	3	3	5	7
24/ 23	.2																	1	1	1	5
22/ 21																					4
20/ 19																					1
18/ 17																			1		
16/ 15																			1		
14/ 13																			1		
TOTAL	21.3	40.4	21.5	9.3	5.9	.9	.3	.2										659	673		659
																		659		659	

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.	4633230	54528	82.7	13.585	659							
Dry Bulb	1267549	28696	42.6	8.090	673		97.3					744
Wet Bulb	1109473	26719	40.5	6.305	659		181.6					744
Dew Point	962711	24859	37.8	5.875	659		162.6					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

14013 — STATION
BARDENAS REALES RANGE SPAIN — STATION NAME
71-75 — YEARS
[illegible] — MONTH
PAGE 1
ALL — 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
66/ 65							.3											2	2		
64/ 63							.1											1	1		
62/ 61					.1	.1				.1								3	3		
60/ 59					.3	.5	.1	.5										9	9		
58/ 57			.1	.1	.3	1.0	.1	.1										13	13		
56/ 55			.1	.7	1.3	1.0	.3	.3										26	26	1	
54/ 53		.1	.6	2.1	1.8	.9	.1											33	33	5	
52/ 51		.1	1.3	.7	1.0	.4	.7											33	33	8	
50/ 49		.9	4.2	.9	2.1	.3												56	56	20	5
48/ 47	.1	1.2	4.7	1.3	.9													56	56	56	9
46/ 45		4.6	2.4	.7	.4	.3												57	57	70	20
44/ 43		3.7	2.7	2.2	.6													62	62	80	44
42/ 41	.4	9.1	4.6	1.8														107	107	86	75
40/ 39	.5	5.2	4.2	.3														69	69	94	73
38/ 37	.4	3.4	1.9	.1														40	40	91	94
36/ 35	1.2	1.8	.9	.1														27	27	55	79
34/ 33	.9	3.4	.3															31	31	40	78
32/ 31	1.0	.9	.3															15	15	33	68
30/ 29	1.0	.3																9	9	15	53
28/ 27	1.0																	11	11	11	42
26/ 25	1.0																	7	7	7	20
24/ 23	.3																	2	2	2	10
22/ 21																					3
20/ 19																					1
TOTAL	3.0	34.7	28.8	11.3	8.9	4.5	1.9	1.0		.1									674		674
																		674		674	

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.	3978322	50686	75.2	15.736	674							
Dry Bulb	1326292	29474	43.7	7.454	674		43.9					672
Wet Bulb	1108302	27066	40.2	5.640	674		57.6					672
Dew Point	885459	24137	35.8	5.596	674		196.4					672

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

U.S. GOVERNMENT PRINTING OFFICE 1974 762-610

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

14913 STATION — BARBERS POINT NAS (KALAELOA) STATION NAME — 70-75 YEARS — MONTH — ALL 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	Wet Bulb	Dew Point
76/ 75											.1							1		1		
74/ 73									.1									1		1		
72/ 71										.1								1		1		
70/ 69								.2	.2									4		4		
68/ 67							.1	.5										5		5		
66/ 65						.1	.2	.1	.1									5		5		
64/ 63					.4	.2	.2											7		7		
62/ 61			.1	.1	.7	.1	.7	.3										23		20		
60/ 59			.7	.7	.2	2.2	.6	.7	.2	.4								47		47	1	
58/ 57		.2	.1	.5	.6	1.0	1.3	.2	.1									36		36	2	
56/ 55		.1	.6	.8	1.3	1.8	.5	.1	.1									45		49	23	
54/ 53			.7	1.3	2.2	.6	.4											40		40	21	5
52/ 51		.3	1.3	2.3	1.2		.4											49		49	19	7
50/ 49		2.2	2.3	2.4	2.4	1.1												86		86	55	24
48/ 47	.1	1.4	2.4	1.8	1.6	.6												64		64	80	26
46/ 45	.6	2.4	1.4	1.9	.6	.4												57		57	107	32
44/ 43	.2	2.3	2.6	1.9	.4													62		62	62	44
42/ 41	.3	3.6	5.2	1.4	.5													113	113	93	99	
40/ 39	.4	1.9	2.0	.4	.1													40	40	105	80	
38/ 37	.4	2.5	3.3	.2														51	51	79	76	
36/ 35	.2	.8	1.9	.2														27	27	51	98	
34/ 33	.3	2.2	.9															27	27	49	87	
32/ 31	.6	1.7	.4															22	22	37	83	
30/ 29		.4																3	3	20	65	
28/ 27	.1																	1	2	1	45	
26/ 25	.1	.1																2	3	2	30	
24/ 23	.2																	2	3	2	21	
22/ 21																					4	
20/ 19																					4	
18/ 17																					1	
16/ 15																					2	
14/ 13																						
TOTAL	4.3	24.8	25.9	15.2	13.3	8.0	4.4	2.5	1.0	.4	.1							834		837	834	834

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.	4162140	57062	68.4	17.598	834							
Dry Bulb	1901128	39240	46.9	6.576	837		29.3	10.7	1.8			744
Wet Bulb	1505074	35040	42.0	6.284	834		55.3					744
Dew Point	1131670	30198	36.2	6.776	834		228.4					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

14[illegible] BARBERS BEACH RANGE SPAIN 70-75 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
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
86/ 83													.1					1	1		
84/ 81												.1	.1					2	2		
82/ 81												.1						1	1		
80/ 79								.1		.1								2	2		
78/ 77								.1	.1	.1								3	3		
76/ 75							.1	.2	.2	.1								6	6		
74/ 73						.1	.1	.3		.4								10	10		
72/ 71							.2	.3	.2	.2	.1							12	12		
70/ 69						.7	.4	1.0	.5									22	22		
68/ 67				.1	.4	1.0	.8	.6	.4	.6								32	32		
66/ 65				.2	.4	.7	1.0	.7										25	25	[illegible]	
64/ 63			.1	.2	1.2	.3	1.3	.5	.4									35	35	[illegible]	
62/ 61			.2	1.1	.6	1.5	1.0	1.0	.1									46	44	14	
60/ 59			.7	1.7	1.6	1.9	1.5	.6										71	71	24	1
58/ 57		.1	1.5	2.0	1.5	1.5	.6	.1										58	58	27	2
56/ 55		.2	.8	2.3	2.5	1.2												60	59	53	9
54/ 53		.7	1.5	2.3	1.8	.5												58	58	75	12
52/ 51	.1	1.1	2.1	1.9	1.5													57	59	75	29
50/ 49	.2	1.3	2.5	2.4	1.7													78	77	94	38
48/ 47	.1	1.9	3.6	1.4	1.1													70	71	113	47
46/ 45	.1	2.5	2.5	.7	.1													49	48	102	76
44/ 43		2.7	1.3	.8	.1													40	41	74	82
42/ 41	.1	3.3	3.0	.5														55	55	63	115
40/ 39		1.3	1.1															20	20	42	87
38/ 37		1.0	.2															10	10	41	71
36/ 35		.4	.2															5	5	15	72
34/ 33	.1	.8																8	8	10	73
32/ 31	.4	.2																5	5	3	50
30/ 29	.2	.2																4	4	3	16
28/ 27																				1	8
26/ 25																					3
TOTAL	1.4	17.7	21.6	17.4	15.0	9.4	7.0	6.3	2.0	1.5	.1	.2	.2						848		841
																		841		841	

Element (X)	Σ_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.	3763813	54385	64.7	17.147	841							
Dry Bulb	2532207	45629	53.8	9.540	848		7.6	77.3	21.2	3.4		720
Wet Bulb	1932948	39942	47.5	6.543	841		10.3					720
Dew Point	1463455	34669	41.2	6.388	841		55.9					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

14715 — STATION
BARCARAS REALES KAYOR SPAIN — STATION NAME
70-75 — YEARS
... — MONTH
... — HOURS ... 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
92/ 89														.1				1	1		
90/ 87													.4					2	3		
88/ 85										.1	.1	.1	.2	.1				5	5		
86/ 83										.3		.1		.1				6	5		
84/ 81								.1	.1	.4	.1	.4	.1					10	10		
82/ 79								.2	.7	.4	.2	.4						14	14		
80/ 77							.4	.7	.9	1.3	.4	.1						23	23		
78/ 75						.2	1.3	.2	.7	1.3	.2							31	31		
76/ 73				.1		.1	.1	1.2	.3	.7								29	29		
74/ 71					.1	.1	.7	1.2	.7	1.0								39	42		
72/ 69				.1	.4	.7	.7	1.3	.9	.1								36	36		
70/ 67				.6	.3	1.1	2.1	1.3	.5									50	51	5	
68/ 65			.1	1.1	1.2	1.3	1.5	.3										47	47	15	
66/ 63		.2	.6	1.0	1.0	1.2	1.1	.1										43	43	32	1
64/ 61		.3	1.1	1.2	2.0	1.2	1.3	.2	.1									50	50	37	
62/ 59		.7	1.3	3.6	1.6	2.3	.3	.1										92	93	74	14
60/ 57		.9	1.0	1.7	2.2	1.6	.3											64	64	73	26
58/ 56		.3	2.3	1.6	1.7	.2	.1											56	56	101	40
56/ 53	.2	1.3	1.4	2.1	.6													50	52	113	62
52/ 51	.3	1.6	2.3	.4	.1	.1												44	45	64	47
50/ 49		2.5	2.3	.7	.1	.1												44	45	94	38
48/ 47		1.0	1.7	.2	.1													25	25	84	100
46/ 45		.6	1.1															14	14	35	101
44/ 43	.2	.5	.4	.1														10	10	26	87
42/ 41	.1	.5	.2	.1														5	8	15	97
40/ 39		.4	.4															10	10	7	61
38/ 37		.1																1	1	12	40
36/ 35																				1	13
34/ 33																					9
32/ 31																					6
30/ 29																					6
TOTAL	1.1	12.4	17.3	14.7	11.9	11.4	10.0	7.3	4.8	5.8	1.1	1.1	.7	.4				816	828	816	810

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.	3271927	49319	60.4	18.899	816							
Dry Bulb	3218653	50953	61.5	10.026	828			229.1	115.0	32.3		744
Wet Bulb	2341447	43433	53.2	6.032	816			4.6				744
Dew Point	1775309	37729	46.2	6.159	816		12.3					744

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

14719 — STATION

BARBERS POINT NAS — STATION NAME

74-74 — YEARS

JUL — MONTH

ALL — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B.	W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31															
98/ 97																	.2	1	1													
96/ 95																	.2	1	1													
94/ 93												.2		.2				2	2													
92/ 91											.2	.2	.2					7	7													
90/ 89										.2	.5	.5	.2					5	7													
88/ 87									.5	.5	1.5	.7	.2					10	10													
86/ 85							.5	.2	.5	.7	.2	.3	.2					14	14													
84/ 83							.5	.7	.5	1.2	.2	.5	.2					27	26													
82/ 81						.5	.5	.5	1.2	.2	.5							23	22													
80/ 79					.2	.7	1.2	.5	1.0	.2	.5	.2						29	29													
78/ 77					.5	1.0	1.0	1.0	.5	.7	.5	.2						37	37													
76/ 75				.5	1.2	1.2	1.5	.5	.7	.2								35	32													
74/ 73			.2	1.2	.5	1.5	1.2	.2	.5									33	33	3												
72/ 71			.5	.5	2.0	1.5	1.2	1.2	.5									42	42	14												
70/ 69			.5	1.5	1.5	2.5	1.0	.5										45	45	27												
68/ 67		.5	1.5	2.5	1.0	1.2	.7	.2										45	45	54	5											
66/ 65		.5	1.5	1.5	1.5	1.2	.5											45	45	47	9											
64/ 63		.5	1.5	1.5	1.0	.2												38	38	67	16											
62/ 61	.2	1.5	1.5	1.5	1.0	.2												76	76	35	57											
60/ 59		3.0	4.5	2.5	.5	.7												27	27	100	81											
58/ 57	.5	2.5	.5	.5	.5													31	31	74	71											
56/ 55	.7	2.0	.5	.7	.5													25	25	53	80											
54/ 53	.5	2.5	.5	.5	.5													15	10	31	92											
52/ 51			.5	1.2														7	7	15	74											
50/ 49			.5	.5														5	5	12	35											
48/ 47		.5	.5															3	3	14	27											
46/ 45		.5	.5															2	2	3	26											
44/ 43		.2	.2																	2	26											
42/ 41																				1	21											
40/ 39																					4											
38/ 37																					3											
36/ 35																																
TOTAL	.2	11.5	13.5	13.3	10.2	11.5	9.2	6.1	5.5	4.8	4.1	2.3	1.5	.2			.3		607		607											

Element (X)	Σ_X^2	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.	2496329	37033	61.0	19.774	607							
Dry Bulb	2838645	40841	67.3	10.010	607			337.0	214.7	97.3	2.4	720
Wet Bulb	2089758	35454	58.4	5.591	607			52.2				720
Dew Point	1654762	31476	51.9	6.103	607							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

14 [illegible] — STATION
[illegible] — STATION NAME
[illegible] — YEARS
[illegible] — MONTH
[illegible] — HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
98/ 97													.3	.6	.3	.3		[illegible]	5		
96/ 95													.3	.3				[illegible]	2		
94/ 93													.3	.5				[illegible]	3		
92/ 91												.6	.3	.3				[illegible]	3		
90/ 89									.3	.6	.3	1.4						[illegible]	9		
88/ 87								.3		.9	1.4	.9	.6					14	14		
86/ 85							.3	.3	.6	1.4	.9	2.0						29	22		
84/ 83								.3		.3	1.4	.3						[illegible]	9		
82/ 81							.9	2.0	.3	2.0	1.4	.3						24	24		
80/ 79						.9		2.3	1.2	.6								17	17		
78/ 77						.3	2.3	.6	1.2	.9	.3							19	19		
76/ 75						1.4	2.3	1.2	.9	.3								22	22		
74/ 73				.3		.6	2.0	1.4	.9									15	15	[illegible]	
72/ 71				.3	2.0	1.4	1.7	.9	.9									25	25	[illegible]	
70/ 69			.3	2.6	1.7	2.3	1.2	1.2										31	31	25	
68/ 67			.6	2.6	1.7	2.3	.3											25	25	30	3
66/ 65		.6	.3	1.4	1.2	.9												15	15	37	5
64/ 63		.6	3.2	2.0	.3	1.2	.3											26	26	64	9
62/ 61		.9	2.3	2.6	.3													21	21	41	22
60/ 59		2.0	2.3	2.3	.3													24	24	51	50
58/ 57			.3	.3														3	3	42	42
56/ 55			.3	.3														2	2	2[illegible]	39
54/ 53			.9															3	3	7	55
52/ 51																				3	37
50/ 49																				3	45
48/ 47																					19
46/ 45																					11
44/ 43																					7
42/ 41																					2
TOTAL		4.0	10.4	15.0	7.5	11.0	11.3	11.0	6.1	7.2	5.8	6.1	2.0	2.0	.3	.3		346	346	346	346

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.	1139145	18851	54.5	18.025	346							
Dry Bulb	1903924	25434	73.5	9.972	346			541.9	365.5	221.5	21.5	744
Wet Bulb	1343131	21493	62.1	4.821	346			146.2	10.8			744
Dew Point	1040130	18892	54.6	5.059	346			6.5				744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

14918 — STATION
[illegible] — STATION NAME
YEARS
MONTH
PART 1
ALL
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
108/101														.1	.1			2	2		
103/ 99															.1	.4		4	4		
98/ 97												.1		.1	.7	.2		3	3		
94/ 93											.1	.3	.2	.7	.1			13	13		
92/ 91												.3	1.1	.3		.2		17	17		
90/ 89								.1			.3	.3	.7	.2				17	16		
88/ 87							.1		.1	.1	.7	.6	.1	.1				21	21		
86/ 85								.3	.6	.7	1.5	.6	.3	.2				42	42		
84/ 83								.3	.3	1.0	.6	.9	.3	.1				44	44		
82/ 81							.1	.9	.6	.2	.6	.3	.1					28	39		
80/ 79					.1		.3	.3	1.9	.3	1.4	.3	.1					47	47		
78/ 77						.3	1.2	1.0	.3	2.0	1.1	.3						50	55	1	
76/ 75					.2	.7	1.0	1.7	1.7	1.1	.1							54	54	0	1
74/ 73					.6	1.3	.3	.9	1.3	.3	.2							51	51	13	2
72/ 71				.1	.7	2.3	1.0	.6	.3	.3								52	52	39	
70/ 69			1.7	1.2	2.3	1.4	.6	.2										67	67	63	5
68/ 67	.1	.3	1.7	3.3	1.2	1.4	.3	.2										73	73	102	4
66/ 65		.3	1.6	1.2	.9	1.0	.1											48	45	89	6
64/ 63	.3	.7	1.6	2.0	1.3	.3	.1											53	53	110	20
62/ 61	.2	.6	1.7	2.0	.3	.3												45	45	13	86
60/ 59	.1	1.7	1.9	2.3	.6													58	58	44	137
58/ 57		.7	1.6	.2	.2													25	25	84	98
56/ 55	.1	.3	.3	.7	.1													15	15	73	80
54/ 53			.2	.2														4	4	58	74
52/ 51		.1	.3															4	4	16	47
50/ 49		.1																1	1	10	109
48/ 47		.2	.1															3	3	5	47
46/ 45																				3	27
44/ 43																					17
42/ 41																					13
40/ 39																					1
TOTAL	.5	5.3	12.9	15.0	12.0	8.5	7.6	9.9	8.0	6.2	5.1	3.1	2.7	1.6	.7	.9		880	880	880	880

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.	3167045	50115	56.9	18.872	880							
Dry Bulb	4807900	64366	73.1	10.665	880			526.7	364.4	197.8	39.7	744
Wet Bulb	3456078	54926	62.4	5.622	880			193.6	21.1			744
Dew Point	2731509	48751	55.4	5.916	880			14.4	2.5			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

14[illegible] PARAMAS MEALES RANGE SPAIN 70-74 [illegible] ALL
STATION STATION NAME YEARS MONTH
[illegible] 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
94/ 91												.1						1	1		
92/ 91											.2							2	2		
90/ 89								.1		.4	.3	.1						7	7		
88/ 87									.3	.5	.5							13	13		
86/ 85						.1	.1	.3	.4	.3	.1	.4					.1	14	14		
84/ 83						.1		.3	.4	.3	.4		.1	.1			.1	14	14		
82/ 81						.1	.1	.2	.5	.5	.4		.1					22	22		
80/ 79						.4	.4	1.1	.6									20	20		
78/ 77	.1				.1	.2	.6	.3	.5			.3						26	26		
76/ 75					.3	.3	.9	1.1	.5	.1	.1							25	25	3	1
74/ 73					.6	1.1	1.3	2.2	.3	.4								43	43	5	
72/ 71			.1	.5	1.5	.3	.9	1.8	1.1									50	50	3	
70/ 69	.1	.5	.5	1.0	.6	.9	1.3	.5										44	44	23	4
68/ 67	.1	1.3	1.6	1.6	1.3	1.0	.4											51	51	39	3
66/ 65	1.0	1.4	1.3	.9	.9	.9	.3											52	52	46	7
64/ 63	1.3	1.9	1.3	1.4	1.0	.1												59	59	59	22
62/ 61	1.9	1.9	.9	1.1	1.4	.1												57	57	69	40
60/ 59	.5 2.3	2.2	3.2	1.3	.5													77	77	93	90
58/ 57	.1 1.8	1.0	1.6	.5														48	48	81	67
56/ 55	.6	1.8	1.9	.6	.5													42	42	80	49
54/ 53	.1 1.1	1.5	1.2	.5														36	36	87	65
52/ 51	1.5	1.4	.3															25	25	93	84
50/ 49	.9	1.0																15	15	47	122
48/ 47	.1 .6	.5																10	10	83	83
46/ 45	1.4																	11	11	15	87
44/ 43	.2 .5																	5	5	17	92
42/ 41	.1																	1	1	2	49
40/ 39	.1																	1	1	1	14
38/ 37	.3																	2	2	1	0
36/ 35																				1	3
34/ 33																					1
32/ 31																					2
TOTAL	.9 15.7	17.2	15.5	11.6	9.4	7.6	10.0	5.4	2.9	2.0	.9	.3	.1			.3		789	789	789	789

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.	3535807	50615	64.4	18.273	789							
Dry Bulb	3463031	51645	65.5	10.233	789			314.8	176.1	77.0	.9	720
Wet Bulb	2659868	45506	57.7	6.692	789			72.1	8.2			720
Dew Point	2167870	40986	51.9	7.015	789		1.8	7.3	.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

14013 BARDENAS RIALES RANGE SPAIN 70-74 OCT

STATION STATION NAME YEARS MONTH

PAGE 1 ALL

HOURS L. S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81										.1	.1							2	2		
80/ 79							.1											1	1		
78/ 77								.2										2	2		
76/ 75					.3	.1	.3	.3		.1	.1							9	9		
74/ 73						.4	.4	.4	.1	.3								12	12		
72/ 71					.3	.4	.7	.6	.1	.1								16	16		
70/ 69				.4	1.4	.4	.3	.6	1.1									30	30		
68/ 67				.1	1.0	.8	.8	.1	.4									24	24	4	
66/ 65			.4	1.1	.8	.4	1.2	.5	.1									36	36		
64/ 63		.1	1.5	.7	.6	1.4	1.2	.6	.3									45	46	13	1
62/ 61		.4	1.5	1.7	.7	1.7	1.2											52	52	29	5
60/ 59		2.1	1.4	1.8	1.7	.8	.3											58	58	46	14
58/ 57	.2	2.1	1.5	.4	1.8	1.2	.1											53	53	50	28
56/ 55	.1	1.5	1.1	1.1	1.4	.4												43	43	60	51
54/ 53	.1	1.2	2.3	3.3	.6													58	58	77	43
52/ 51	.3	2.2	2.3	1.8		.1												49	49	65	35
50/ 49	.4	1.7	4.3	1.4	.1													57	57	77	71
48/ 47	.4	1.7	3.4	.6	.1													47	47	79	43
46/ 45		2.6	1.7	.4														34	34	69	67
44/ 43	.1	2.5	1.2															28	28	47	69
42/ 41	.7	2.5	.7															28	28	37	105
40/ 39	.3	2.2	.6															22	22	32	72
38/ 37		1.5																11	11	16	49
36/ 35		.7	.1															6	6	13	40
34/ 33		.1																1	1	5	12
32/ 31																				1	13
30/ 29																					1
28/ 27																					1
TOTAL	2.6	25.4	24.6	15.0	10.6	8.3	6.8	3.6	2.2	.7	.3								725		725
																		725		725	

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.	3835292	51244	70.7	17.154	725							
Dry Bulb	2306527	40317	55.6	9.440	725			98.5	26.7	3.1		744
Wet Bulb	1864041	36415	50.2	6.953	725		1.0	4.1				744
Dew Point	1529238	32910	45.4	6.993	725		15.4					744

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

DATA PROCESSING GROUP
USAF ETAC
[illegible] WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

14[illegible] [illegible] AS [illegible] RANGE SPAIN 70-74 [illegible]
STATION STATION NAME YEARS MONTH

[illegible] ALL
HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
70/ 69						.1												1	1		
68/ 67					.1	.1		.1										3	3		
66/ 65				.4	.7	.3	.1											11	11		
64/ 63					.4	.7	.3											10	10		
62/ 61		.1	1.0	.4	.3	.7												10	10		
60/ 59		.1	1.0	3.1	1.0	.4		.1										41	41	[illegible]	
58/ 57		1.3	2.0	1.0	.8	.3	.3											44	44	1[illegible]	2
56/ 55		.4	1.3	3.3	.4	.7	.1											44	44	24	14
54/ 53		.4	2.5	2.4	.6	.3												45	47	52	12
52/ 51	.6	2.7	3.1	.1	.1	.4												50	51	44	22
50/ 49	2.5	2.4	4.1	.8	.3	.1												73	73	[illegible]	77
48/ 47	.5	3.4	3.4	1.0	1.0	.1												69	69	71	51
46/ 45	1.4	3.5	.7	.1	.4													44	44	73	73
44/ 43	1.7	4.2	1.0	.6	.1													54	54	65	52
42/ 41	3.6	3.7	2.0	.3	.4													73	76	73	105
40/ 39	1.4	3.0	1.0	.3	.1													41	41	44	44
38/ 37	1.3	1.4	.3	.3														23	23	56	51
36/ 35	.3	1.3	.8	.4														24	24	21	40
34/ 33	1.1	.6																12	12	26	35
32/ 31	.6	.4																9	9	18	36
30/ 29	.7	.3																7	7	9	24
28/ 27	.4																	3	3	3	11
26/ 25	.1																	1	1	1	4
24/ 23																					10
22/ 21																					3
TOTAL	17.7	29.3	25.4	15.2	6.9	4.4	.8	.3											708		706
																		706		706	

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.	4649245	56243	79.7	15.468	706							
Dry Bulb	1639227	34095	48.2	8.181	708		20.3	4.1				720
Wet Bulb	1459686	31742	45.0	6.795	706		31.6					720
Dew Point	1261627	29425	41.7	7.070	706		89.7					720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] BARBERAS [illegible] RANGE SPAIN 7[illegible]-76

STATION STATION NAME YEARS MONTH

PAGE 1 ALL

HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61			.2				.2											[illegible]	2		
60/ 59						.9												[illegible]	4		
58/ 57					.9	.7												7	7	[illegible]	
56/ 55			.7	.5	5.0	.2												1[illegible]	1[illegible]		
54/ 53			.9	1.2	.7													1[illegible]	13	2	1
52/ 51		.2	1.0	1.5	2.0													27	27	[illegible]	
50/ 49		.5	3.0	2.1	.5													2[illegible]	26	17	5
48/ 47		1.2	2.5	1.5														23	23	27	4
46/ 45	.5	4.4	2.5	.7	.2													37	37	41	11
44/ 43	.7	6.3	2.0	.3	.2													4[illegible]	5[illegible]	56	20
42/ 41	1.6	6.8	1.9															44	44	42	51
40/ 39	5.7	5.9	.7															44	45	62	73
38/ 37	2.9	3.5	.2	.2	.5													27	27	42	56
36/ 35	2.1	2.6	.7															23	23	25	57
34/ 33	1.4	1.6	1.2															18	18	23	27
32/ 31	4.[illegible]	1.2	.7															25	25	25	35
30/ 29	1.[illegible]	.2	.2															1[illegible]	11	17	13
28/ 27	3.[illegible]	.5																15	15	16	16
26/ 25	.7																	3	4	4	11
24/ 23	.[illegible]	.9																6	6	4	9
22/ 21																				2	2
20/ 19		.5																2	2		2
18/ 17		.7																3	3	3	2
16/ 15																				2	
14/ 13																					2
12/ 11																					2
10/ 9																					3
TOTAL	22.2	37.5	19.9	9.1	9.1	1.9	.2												431		427
																		427		427	

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.	2936079	34847	81.6	14.716	427							
Dry Bulb	785425	13038	41.9	8.423	431		113.9					744
Wet Bulb	681174	16806	39.4	6.803	427		127.2					744
Dew Point	579997	15491	36.3	6.501	427		174.2					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14813 STATION — BARAJAS (MADRID) SPAIN STATION NAME — 71-74 YEARS — JUL MONTH

PAGE 1 — 0300-0500 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
55/ 57				1.7														1	1		
52/ 51																				1	
49/ 47		1.7	3.4															3	3		
46/ 45		3.4	3.4															4	4	3	1
44/ 43	1.7	5.2																4	4	5	3
42/ 41	1.7	12.1	3.4															14	14	5	7
40/ 39	3.4	12.1																15	10	9	12
38/ 37		3.4																2	2	2	3
36/ 35	1.7	3.4	3.4															3	5	3	5
34/ 33	3.4	5.2																5	5	4	5
32/ 31	1.7	1.7																2	2	7	4
30/ 29	1.7	3.4																3	4	3	5
28/ 27	3.4	1.7																5	6	4	7
26/ 25																				1	2
24/ 23																					1
TOTAL	24.1	60.3	18.8	1.7														58	60	59	58

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	450619	5085	87.7	9.181	58							
Dry Bulb	90354	2298	38.3	6.299	60		18.6					93
Wet Bulb	81821	2155	37.2	5.543	58		24.1					93
Dew Point	73770	2044	35.2	5.520	58		30.5					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

14715 STATION — BARDENAS REALES RANGE SPAIN STATION NAME — 70-75 YEARS — JAN MONTH

PART I 0600-0600 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
58/ 57				1.4														1	1		
54/ 53																				1	
52/ 51		.5																1	1	2	
50/ 49		2.9	1.9	.5														11	11	1	1
48/ 47	.5	1.9	2.4	.5														11	11	7	6
46/ 45	1.4	2.9	1.0															11	11	12	7
44/ 43	1.4	6.3	2.4															22	22	16	7
42/ 41	4.3	11.1	1.4															35	35	27	23
40/ 39	1.9	6.2	1.0															23	23	36	24
38/ 37	5.3	3.4																19	19	27	39
36/ 35	1.0	5.3	1.0															15	15	15	21
34/ 33	2.4	4.3																14	14	22	14
32/ 31	0.5	2.4																14	19	20	29
30/ 29	5.3	1.0																13	10	14	10
28/ 27	3.4	.5																3	6	8	11
26/ 25	1.0																	2	2	3	5
24/ 23	.5																	1	1	1	2
22/ 21																					1
20/ 19																					1
16/ 15																			1		
14/ 13																			1		
TOTAL	35.3	50.7	11.5	2.4														207	213	207	207

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.	1677291	18539	89.6	9.066	207							
Dry Bulb	326645	8211	38.5	6.908	213		21.0					93
Wet Bulb	301037	7803	37.7	5.808	207		20.7					93
Dew Point	276276	7472	36.1	5.644	207		29.2					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

14718 STATION — BARDENAS REALES RANGE SPAIN STATION NAME — 70-75 YEARS — JAN MONTH

PAGE 1 — 0900-1100 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
58/ 57				.5														1	1		
56/ 55				.5														2	2		
54/ 53			2.3	.5	.5													3	3		
52/ 51			3.7	.9	.5													11	11	1	
50/ 49		1.4	1.8	1.4														10	10	5	1
48/ 47		3.2	5.0	.9														20	20	13	4
46/ 45	.5	5.5	6.4	1.4														30	30	21	15
44/ 43	3.2	4.1	2.7	1.4														25	25	30	14
42/ 41	3.2	11.4	3.2		.5													40	40	31	35
40/ 39	1.8	2.7	2.3															15	15	34	30
38/ 37	4.5	5.0	.9															23	33	24	33
36/ 35	.9	1.8																6	6	10	26
34/ 33	.9	1.4	.9															7	7	8	3
32/ 31	3.2	1.4	.5															11	12	13	21
30/ 29	2.3	.5																6	6	9	15
28/ 27	1.4																	3	5	6	6
26/ 25	.5																	1	1	1	2
24/ 23																					2
22/ 21																					1
18/ 17																			1		
TOTAL	22.4	33.4	29.7	7.8	1.8														223		219
																		219		219	

Element (X)	Σ_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.	1572128	18360	83.8	12.296	219							
Dry Bulb	402321	9357	42.0	6.612	223		10.4					93
Wet Bulb	357961	8777	40.1	5.333	219		11.0					93
Dew Point	314035	8213	37.5	5.259	219		20.0					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

14914 — STATION
[illegible] SCALES RANGE SPAIN — STATION NAME
70-75 — YEARS
[illegible] — MONTH

PAGE 1 — 1200-1400 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
66/ 6[illegible]					.8													1	1		
62/ 61					2.3													3	3		
60/ 59				1.6	.8													3	3		
58/ 57			.8	2.3	3.1	.8												6	9	1	
56/ 55			1.6	3.1	1.6													6	6	1	
54/ 53		1.6	3.9	4.7	1.6	1.6												17	17	8	
52/ 51		1.6	2.3	4.7	2.3	.8												15	15	10	2
50/ 49	.8	3.1	7.8	3.1	1.6													21	21	21	9
48/ 47	.8	.3	7.8	2.3	2.3													17	17	14	12
46/ 45		3.9	1.6	.8														6	6	22	12
44/ 43	.8	3.1	1.6															7	7	21	15
42/ 41	.8	5.5	.8															9	9	13	16
40/ 39		.3	1.6															3	3	5	22
38/ 37		1.6		.8														3	3	5	6
36/ 35		.8	.8															2	2	1	13
34/ 33	.8																	1	1	2	5
32/ 31	.8																	1	2	3	10
30/ 29																			1		
24/ 23																					1
22/ 21																					1
TOTAL	4.7	22.7	29.7	23.4	16.4	3.1													130		128
																		128		128	

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.	704945	9347	73.0	13.279	128							
Dry Bulb	320165	6394	49.2	6.637	130		2.1					93
Wet Bulb	265658	5796	45.3	5.026	128		2.2					93
Dew Point	217747	5231	40.9	5.592	128		8.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14013 STATION | BARDENAS REALES RANGE SPAIN STATION NAME | 72-75 YEARS | JAN MONTH

PART 1 1500-1700 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
66/ 65					2.1													1	1		
64/ 63							2.1											1	1		
62/ 61					2.1													1	1		
60/ 59				4.3	2.1	2.1		2.1										5	5	1	
58/ 57			2.1		4.3													3	3		
56/ 55		2.1	2.1	2.1		2.1	2.1											5	5	1	
54/ 53		4.3	2.1	2.1	6.6													9	9	3	1
52/ 51				2.1	4.3													3	3	4	1
50/ 49		2.1	2.1		4.3													4	4	5	3
48/ 47		2.1	2.1	6.4														5	5	4	3
46/ 45		6.4																3	3	3	3
44/ 43		4.3																2	2	12	4
42/ 41		4.3	4.3															4	4	2	9
40/ 39																				1	4
38/ 37		2.1																1	1	2	5
36/ 35																				1	6
34/ 33																					5
28/ 27																					1
TOTAL		27.7	14.9	17.0	29.8	4.3	4.3	2.1										47	47		47
																		47		47	

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.	228237	3197	68.0	15.346	47							
Dry Bulb	128060	2436	51.8	6.260	47							93
Wet Bulb	102946	2188	46.6	4.362	47							93
Dew Point	80883	1929	41.0	6.100	47		2.0					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/ AC

PSYCHROMETRIC SUMMARY

14913 PARLEMAS ANALES RANGE SPAIN 71-74 FEB

STATION STATION NAME YEARS MONTH

PAGE 1 0000-0500

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
48/ 47			3.9	2.0														[illegible]	3		
46/ 45		3.9																[illegible]	2	2	
44/ 43		3.9			2.0													[illegible]	3	3	
42/ 41		17.6	9.8	5.9														17	17	5	4
40/ 39		11.6																6	5	6	5
38/ 37		9.8	2.0															6	6	11	6
36/ 35		2.0	2.0															2	2	[illegible]	5
34/ 33		11.6																6	5	2	7
32/ 31		2.0																1	1	7	2
30/ 29	3.9																	2	2	3	9
28/ 27	3.9																	2	2	2	6
26/ 25	2.0																	1	1	1	3
TOTAL	9.3	62.7	17.6	7.8	2.0														51		51
																		51		51	

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.	348204	4186	82.1	9.616	51							
Dry Bulb	77585	1971	38.6	5.313	51		9.9					84
Wet Bulb	69198	1864	36.5	4.627	51		21.4					84
Dew Point	58616	1714	33.6	4.499	51		32.9					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14012 BARDENAS REALES RANGE SPAIN 71-75 [illegible]
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]
HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
50/ 45		.5	1.4																5		
43/ 47	.5	1.9	2.4	.5														11	11	4	2
46/ 45		5.3	1.5		.5	.5												[illegible]	16	[illegible]	
44/ 43		5.3	2.4	.5														17	17	14	10
42/ 41		11.7	5.4	.5														32	32	19	10
40/ 39	1.[illegible]	9.7	6.3															39	29	35	23
38/ 37	1.5	7.3	1.9															22	22	30	25
36/ 35	2.4	3.9	1.5	.5														17	17	25	27
34/ 33	1.9	5.5	1.5															13	18	23	29
32/ 31	2.4	1.9	1.5															11	11	16	32
30/ 29	1.9	.5																5	5	13	18
28/ 27	2.4																	6	6	5	14
26/ 25	2.4																	5	5	5	7
24/ 23	1.5																	2	2	2	6
TOTAL	1[illegible].5	53.9	25.2	1.9	.5	.5													206		206
																		206		206	

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.	1499578	17452	84.7	10.143	206							
Dry Bulb	314473	7967	38.7	5.569	206		11.6					84
Wet Bulb	285063	7593	36.9	5.032	206		15.9					84
Dew Point	249062	7086	34.4	5.093	206		31.4					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

14018 STATION — GARDENAS SALES RANGE SPAIN STATION NAME — 71-75 YEARS — FEB MONTH

PART 1 (0900-1100) 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
60/ 57						.4												1	1		
56/ 53				1.8	.4													2	2		
52/ 51			.9	.9	.4		.4											3	3		
50/ 49		.9	3.6	1.8	1.8	.4												17	17		
48/ 47		.9	7.3	1.8														29	29	1	1
46/ 45		6.0	4.8	1.8	.9	.4												32	32	29	1
44/ 43		4.4	3.6	5.7	1.8													34	34	27	10
42/ 41	1.8	11.8	7.6	2.6														30	30	34	37
40/ 39	.9	3.9	4.7	.9														24	24	39	26
38/ 37		1.8	3.2	.4														12	12	37	31
36/ 35	1.8	1.8	.9															6	6	21	29
34/ 33	.9	2.2																7	7	15	24
32/ 31	.9	.4																3	3	10	25
30/ 29	.4	.4																2	2	3	17
28/ 27	1.8																	3	3	3	15
26/ 25	.9																	1	1	1	6
24/ 23																					3
22/ 19																					1
TOTAL	7.9	33.3	36.4	10.7	4.4	1.8	.4											228	228	228	228

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.	1367125	17401	76.3	13.121	228							
Dry Bulb	423006	9748	42.8	5.241	228		3.3					84
Wet Bulb	361703	9023	39.6	4.437	228		5.9					84
Dew Point	293803	8101	35.5	5.128	228		24.7					84

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

14013 [illegible] 71-75

STATION | STATION NAME | YEARS | MONTH

PAGE 1 1200-1400

HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
66/ 6[illegible]							.7											1	1		
62/ 61					.7	.7												2	2		
60/ 5[illegible]					1.4	.7		1.4										4	5		
58/ 57					1.4	2.0	.7	.7										4	5		
56/ 55			.7	2.2	4.3	3.6	.7	1.4										17	18		
54/ 53		.7	1.4	5.0	5.8	2.2												22	22	4	
52/ 51		.7	5.1	2.2	4.3	1.4	1.4											21	21	5	
50/ 49		2.2	10.0	.7	7.2	.7												30	30	15	4
48/ 47		1.4	4.3	2.2														11	11	31	4
46/ 45		2.2	1.4	.7														6	6	30	14
44/ 43		1.4	3.6															7	7	2[illegible]	21
42/ 41		2.2	1.4	1.4														7	7	20	16
40/ 39																				[illegible]	12
38/ 37																				3	24
36/ 35																				1	10
34/ 33																					10
32/ 31																					9
30/ 29																					6
28/ 27																					3
26/ 25																					1
22/ 21																					2
TOTAL		10.9	29.0	15.2	25.4	12.3	3.6	3.6											138		138
																		138		138	

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.	592874	8802	63.8	15.154	138							
Dry Bulb	367053	7087	51.4	4.757	138							84
Wet Bulb	286530	6270	45.4	3.537	138							84
Dew Point	212721	5351	38.8	5.704	138		12.8					84

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

DATA PROCESSED BY [illegible]
USAF ETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

14732 — STATION
[illegible] — STATION NAME
73-75 — YEARS
[illegible] — MONTH
[illegible] — 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
68/ 65							2.0											1	1		
64/ 61							2.0											1	1		
62/ 61										2.0								1	1		
60/ 59						2.0	2.0	2.0										3	3		
58/ 57			2.0	2.0		4.0												4	4		
56/ 55				3.0	3.0	3.0	2.0											5	5	1	
54/ 53			3.0	3.0	3.0	5.0	2.0											11	11	1	
52/ 51			3.0			2.0	3.0											6	6	2	
50/ 49			2.0	3.0	2.0													4	4	6	1
48/ 47			2.0	11.0														13	13	12	2
46/ 45				2.0														1	1	11	3
44/ 43				2.0														2	2	4	3
42/ 41			2.0															1	1	7	6
40/ 39																				5	4
38/ 37																				1	5
36/ 35																					5
34/ 33																					6
32/ 31																					5
30/ 29																					5
28/ 27																					4
26/ 25																					1
24/ 23																					1
22/ 21																					1
TOTAL		19.0	17.0	25.5	17.0	18.7	3.9		2.0									51	51	51	51

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.	170521	2845	55.8	15.372	51							[illegible]
Dry Bulb	144169	2701	53.0	4.737	51							[illegible]
Wet Bulb	105742	2314	45.4	3.673	51							[illegible]
Dew Point	71257	1675	36.8	6.816	51		19.8					[illegible]

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

14[illegible] [illegible] STATION NAME 73-78 YEARS MONTH

Page 1 (83) 1-(92)

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
56/ 56					1.6													1	1	
50/ 48		1.3	1.[illegible]															[illegible]	[illegible]	
47/ 47			2.[illegible]		1.6													[illegible]	[illegible]	[illegible]
46/ 46	1.3			1.6														[illegible]	[illegible]	[illegible]
44/ 43		3.6	1.[illegible]															[illegible]	[illegible]	[illegible]
42/ 41	1.3	5.9	5.4															[illegible]	[illegible]	[illegible]
40/ 38		[illegible].1	3.6															[illegible]	[illegible]	[illegible]
38/ 37		3.5	[illegible].[illegible]															[illegible]	[illegible]	[illegible]
35/ 35	1.6		7.[illegible]															[illegible]	[illegible]	[illegible]
34/ 33	3.3	5.3	1.[illegible]															[illegible]	[illegible]	[illegible]
32/ 31		1.3	1.3															[illegible]	[illegible]	[illegible]
30/ 29																			[illegible]	[illegible]
28/ 27																				[illegible]
26/ 25																				[illegible]
24/ 23	1.3																	1	1	1
TOTAL	1[illegible].3	32.7	50.[illegible]	1.6	3.3													[illegible]	55	[illegible]
																		[illegible]		[illegible]

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.	352327	4359	79.3	11.268	55							
Dry Bulb	87717	2175	39.5	5.620	55		5.1					93
Wet Bulb	76983	2039	37.1	5.077	55		13.6					93
Dew Point	63617	1845	33.5	5.653	55		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

14[illegible] BARDENAS REALES RANGE SPAIN 70-75 [illegible]

STATION | STATION NAME | YEARS | MONTH

PAGE 1 [illegible]-[illegible]

HOURS [illegible]

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
50/ 55					.4													1	1		
52/ 51				.4														1	1		
50/ 49		4.5	3.9	.4	.4													21	21	4	3
48/ 47	.4	2.1	1.3	.9														11	11	11	5
46/ 45	.4	3.0	2.1	1.3														17	17	17	10
44/ 43	.4	4.3	3.5	1.3														24	24	14	6
42/ 41	1.7	11.6	6.4	.9														48	48	19	19
40/ 39	.4	3.4	3.0	.4														18	18	47	16
38/ 37	1.9	5.6	6.4	.4														32	32	29	23
36/ 35	.4	2.1	4.7	.4														15	16	21	35
34/ 33	.4	5.2	1.3															17	17	31	21
32/ 31	2.1	4.7	.9															19	19	22	30
30/ 29		1.3																2	3	15	28
28/ 27	.4																	1	1	1	15
26/ 25	.4	.4																2	3	2	13
24/ 23	.4																	1	2	1	5
22/ 21																					1
TOTAL	10.7	46.1	33.9	6.4	.9														235		233
																		233		233	

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.	1572640	18958	81.4	11.405	233							
Dry Bulb	383933	9403	40.0	5.752	235		10.7					93
Wet Bulb	340534	8822	37.9	5.297	233		16.4					93
Dew Point	290432	8104	34.8	6.076	233		37.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14013 BARDENAS REALES RANGE SPAIN 70-75 YEARS MAR MONTH

PAGE 1 0001-1100 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
62/ 61							.4											1	1		
60/ 54			.7			.7												6	4		
58/ 57			.4	.4	.4	.7	.4											5	6		
56/ 55		.4	1.1	.7	2.2	.7	.4											13	15	2	
54/ 53			1.1	1.9	1.5													13	12	2	1
52/ 51		1.5	1.1	2.6	1.5													16	19	4	2
50/ 49		2.6	3.0	4.5	1.9	.7												35	45	13	6
48/ 47		2.2	3.3	2.6	1.5	.4												27	27	23	10
46/ 45	.7	4.5	2.2	3.7	2.2	.4												33	36	36	9
44/ 43		2.6	4.1	3.7	.4													29	29	33	13
42/ 41	.7	5.4	6.3	3.7	1.1													47	46	38	42
40/ 39	.4	1.1	3.3	.7	.4													15	15	43	41
38/ 37		1.9	1.5	.4														10	10	28	27
36/ 35		.7	.4	.4														4	4	23	25
34/ 33		1.1	.4															4	4	9	29
32/ 31		.7																2	2	7	22
30/ 29																				3	19
28/ 27																			1		12
26/ 25																					9
24/ 23																					6
22/ 21																					1
20/ 19																					1
TOTAL	1.9	25.7	29.0	25.7	13.0	3.7	1.1												270		269
																		269		269	

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.	13877[illegible]	18961	70.5	13.6*1	269							
Dry Bulb	581615	12432	46.0	5.845	270		1.0					93
Wet Bulb	477710	11254	41.8	5.058	269		3.5					93
Dew Point	372842	9856	36.7	6.404	269		24.5					93

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

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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
74/ 71									.6									1	1		
72/ 69								1.2	1.2									4	4		
70/ 67								1.2										3	3		
68/ 65						.6	.6											2	2		
66/ 63					.6	.6	.6											2	3		
64/ 61				.6	2.4	.6	2.9	1.2										13	13		
62/ 59			1.2	2.9	1.2	4.7	1.8											24	23	1	
60/ 57		1.2		.6	1.8	2.9	2.4											15	15		
58/ 55			1.2	1.8	2.4	5.9	1.2	.6	.6									23	23	14	
56/ 53			.6	.6	3.6	1.8	1.8											14	13	11	2
54/ 51			4.7	4.7	2.9		.6											23	22	11	4
52/ 49			1.2	1.8	5.3	1.8												17	17	22	13
50/ 47		.6	2.4	1.2	2.9	1.8												15	15	22	5
48/ 45		1.8	.6	.6		1.2												7	7	34	5
46/ 43			.6	1.2	1.2													5	5	19	16
44/ 41			.6		.6													2	2	23	22
42/ 39																				5	20
40/ 37																				7	15
38/ 35																				2	13
36/ 33																				1	22
34/ 31																					14
32/ 29																					5
30/ 27																					5
28/ 25																					4
26/ 23																					2
24/ 21																					1
22/ 19																					3
TOTAL		.6	12.9	15.9	27.1	21.8	11.8	4.7	2.4									170	170	170	170

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.	549147	9371	55.1	13.894	170							
Dry Bulb	511773	9269	54.5	6.151	170			4.4	.5			93
Wet Bulb	374216	7930	46.6	5.047	170							93
Dew Point	254737	6471	38.1	7.090	170		18.6					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

1413 BARDENAS REALES RANGE SPAIN 70-71,73-75
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
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/ 73											.9							1	1		
72/ 71										.9								1	1		
68/ 67							.9	.9										2	2		
66/ 65							.9	.9	.9									3	3		
64/ 63					1.9	.9	.9											4	4		
62/ 61			.9		1.9			2.8										5	5		
60/ 59			1.9	.9		7.5	1.9	5.6	1.9	1.9								23	23		
58/ 57				1.9	2.8	.9	5.6	1.9	.9									13	13	2	
56/ 55				1.9	2.8	2.8	.9											8	9	7	
54/ 53			1.9	1.9	3.7	1.9												10	10	7	2
52/ 51			1.9	1.9	.9		1.9											7	7	4	1
50/ 49				3.7	4.7	3.7												12	12	10	3
48/ 47			.9		4.7	.9												6	7	10	5
46/ 45		.9		.9	.9													3	3	10	6
44/ 43				.9														1	1	10	8
42/ 41		.9	.9															2	2	13	11
40/ 39																				10	9
38/ 37																				1	6
36/ 35																					12
34/ 33																					9
32/ 31																					12
30/ 29																					8
28/ 27																					6
26/ 25																					3
24/ 23																					3
16/ 15																					1
14/ 13																					2
TOTAL		1.9	3.4	14.0	24.3	18.7	13.1	12.1	3.7	2.8	.9							107	107	107	107

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.	330157	5413	50.6	15.761	107							
Dry Bulb	336033	5951	55.7	6.104	107			3.5	.9			93
Wet Bulb	235631	4995	46.7	4.811	107							93
Dew Point	149992	3912	36.6	8.107	107		30.4					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

[illegible] STATION | [illegible] STATION NAME | 71-75 YEARS | [illegible] MONTH

PAGE 1 [illegible] 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
58/ 57			2.1	2.1	4.2													4	4		
56/ 55				2.1														1	1		
54/ 53		4.2			2.1													3	3	1	
52/ 51		2.1	6.2															4	4	3	2
50/ 49		4.2																2	2	4	1
48/ 47		4.2	8.2															6	6	5	1
46/ 45		6.3	2.1															4	3	3	4
44/ 43		6.3	2.1	2.1														6	7	5	7
42/ 41		8.3	14.6	2.1														13	12	5	10
40/ 39		2.1																1	1	5	7
38/ 37																				7	2
36/ 35		2.1																1	1	1	6
34/ 33	2.1	4.2																3	3	2	6
32/ 31																				2	3
30/ 29																					1
28/ 27																					2
TOTAL	2.1	47.9	35.4	8.3	6.2														49		48
																		48		48	

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.	306859	3809	79.4	9.892	48							90
Dry Bulb	104408	2242	45.8	6.166	49							90
Wet Bulb	39810	2060	42.9	5.461	48		3.7					90
Dew Point	77322	1906	39.7	5.903	48		11.2					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

14913 BARDENAS REALES RANGE SPAIN 73-75 APR
STATION STATION NAME YEARS MONTH

PART 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
60/ 56			.4	1.2	.4													5	0		
58/ 57			1.6	.8	1.2	.4												11	10		
56/ 55		.4	1.2	2.0	.4													10	10	2	
54/ 53		1.2	2.4	2.4	.8													17	17	11	
52/ 51	.4	3.1	2.7	.8														17	15	14	7
50/ 49	.4	3.9	5.9	2.4	.4													33	36	27	20
48/ 47	.4	3.5	5.7	2.0														32	33	27	19
46/ 45	.4	4.3	4.3	.8														25	25	25	22
44/ 43		5.1	3.1	1.2														24	24	34	21
42/ 41	.4	7.1	4.7	1.2														34	34	32	21
40/ 39		5.5	3.5															17	18	25	24
38/ 37		2.6	.8															8	9	23	20
36/ 35		.8	.8															4	4	13	24
34/ 33		1.2																3	3	9	24
32/ 31	1.2	.8																5	5	6	19
30/ 29	.4	.4																4	4	3	12
28/ 27																				1	2
26/ 25																					3
TOTAL	4.0	38.6	38.6	14.6	3.5	.4												254	256	254	254

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.	1599387	19989	78.7	10.199	254							
Dry Bulb	557695	11833	46.2	6.491	256		3.7					90
Wet Bulb	482698	10974	43.2	5.820	254		3.5					90
Dew Point	413227	10123	39.9	6.218	254		12.8					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

14713 MORÓN AB SPAIN 70-75 PART I (0700-1100)
STATION STATION NAME YEARS MONTH 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	Wet Bulb	Dew Point
72/ 71								.4										1		1		
70/ 69							.4	.4										1		1		
68/ 67				.4		.4	.4											1		1		
66/ 65						.4	1.0											1		1		
64/ 63					.8	.8	.8											2		1	1	
62/ 61				2.0	.8	2.1		1.2										14		10		
60/ 59			.4	3.8	2.0	1.2	1.2	.8										25		25	1	1
58/ 57		2.1	3.2	1.6	1.6	.4	.4											23		23	4	
56/ 55	.4	1.2	4.5	4.0	2.0													32		33	1	
54/ 53		2.0	4.1	1.6	1.2													23		23	2	1
52/ 51		2.7	3.7	2.0														20		22	2	7
50/ 49	.4	2.7	4.1	3.2														25		27	24	23
48/ 47	2.1	3.7	2.1	2.1														24		24	43	16
46/ 45	1.6	2.1	1.6	.4														14		14	42	26
44/ 43	2.1	.8	.4	.4														4		4	29	29
42/ 41	1.2	2.0																5		5	24	35
40/ 39	.4																	1		1	9	24
38/ 37	.4																	1		1	3	21
36/ 35																					1	21
34/ 33																						22
32/ 31																						14
30/ 29																						1
28/ 27																						2
TOTAL	5.6	21.0	30.0	21.4	10.7	4.9	3.3											245		245		243
																		243		243		

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.	1035196	15550	64.0	12.876	243							
Dry Bulb	712766	13122	53.6	6.390	245			2.2				90
Wet Bulb	553338	11532	47.5	5.007	243							60
Dew Point	421871	10023	41.2	5.910	243		6.3					90

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

DATA PROC STING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14015 BARDENAS ETALES RANGE, SPAIN 70-75 [illegible]

STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400

HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
84/ 83												.5						1	1		
82/ 81												.5						1	1		
80/ 79								.5										1	1		
78/ 77								.5										1	1		
76/ 75							.5		1.0									1	1		
74/ 73						.5	.5	1.5		.5								3	3		
72/ 71							1.5	2.0	1.0									4	4		
70/ 69						3.0	1.0	2.0	.5									15	15		
68/ 67					.5	3.5	3.0	2.0	1.5	1.0								22	23		
66/ 65				.5	1.5	2.0	2.0	1.5										13	15	2	
64/ 63			.5	1.0	2.5	.5	2.5	1.0	.5									17	17	2	
62/ 61			.5	1.5	1.0	2.5	3.0	1.5	.5									21	21	5	
60/ 59			1.5	1.5	1.5	4.0	3.5	1.5										27	27	19	
58/ 57		.5	1.0	2.5	2.5	2.5	1.5											21	22	20	2
56/ 55			.5	.5	3.5	.5												10	10	25	6
54/ 53			.5	1.5	3.5	.5												12	12	22	9
52/ 51			.5	1.0	2.0													7	8	23	11
50/ 49		.5	.5	1.5	1.5													3	8	27	34
48/ 47			.5	.5	1.0													4	4	27	10
46/ 45																				17	16
44/ 43		.5																1	1	4	20
42/ 41																				5	24
40/ 39																				2	22
38/ 37																					11
36/ 35																					11
34/ 33																					14
32/ 31																					9
30/ 29																					1
28/ 27																					2
TOTAL		1.5	5.9	11.9	20.8	19.3	16.3	14.9	5.0	1.5		1.0							204		202
																		202		202	

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.	579176	10496	52.0	12.968	202							
Dry Bulb	790570	12616	61.8	7.143	204			26.0	5.7	.9		90
Wet Bulb	538082	10564	52.3	5.286	202							90
Dew Point	389979	8771	43.4	6.742	202		5.3					90

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

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
86/ 85													1.1					1	1		
84/ 83													1.1					1	1		
82/ 79										1.1								1	1		
78/ 77									1.1	1.1								2	2		
76/ 75								2.1		1.1								3	3		
74/ 73								2.1		2.1								4	4		
72/ 71										2.1	1.1							3	3		
70/ 69								1.1	4.3									5	5		
68/ 67					2.1			1.1		3.2								6	6		
66/ 65				1.1		1.1		3.2										5	5		
64/ 63					3.2	1.1	4.3	2.1	2.1									12	12		
62/ 61			1.1		1.1	1.1	2.1	2.1										7	7	8	
60/ 59			1.1		2.1	5.3	3.2	2.1										13	13	4	
58/ 57			1.1	1.1	1.1	3.2	1.1											7	7	3	
56/ 55				1.1	2.1	2.1												5	5	6	3
54/ 53		1.1			2.1													3	3	11	2
52/ 51				3.2	3.2													6	6	15	2
50/ 49		1.1		1.1	2.1													4	4	12	10
48/ 47			1.1	1.1	2.1													4	4	14	4
46/ 45		2.1																2	2	13	2
44/ 43																				5	5
42/ 41																				2	18
40/ 39																				1	10
38/ 37																					11
36/ 35																					14
34/ 33																					7
32/ 31																					3
30/ 29																					1
TOTAL		4.3	4.3	8.5	21.3	13.6	10.6	16.0	7.4	10.6	1.1		2.1					94	94	94	94

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.	243275	4541	48.3	16.043	94							
Dry Bulb	366848	5816	61.9	8.675	94			24.9	11.5	1.9		90
Wet Bulb	249020	4812	51.2	5.375	94							60
Dew Point	161056	3846	40.9	6.305	94		5.7					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

14[illegible] [illegible] REALES RANGE SPAIN 71-73 [illegible]

STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]-[illegible]

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
[illegible]			6.4	2.1	4.3													[illegible]	[illegible]		
[illegible]			2.1	4.3	4.3													[illegible]	[illegible]	1	
56/ 53			4.3	6.4														[illegible]	[illegible]	[illegible]	1
54/ 53		2.1	6.4	4.3														[illegible]	7	[illegible]	2
52/ 51	2.1	6.4	4.3															[illegible]	6	7	1
50/ 49		6.5																[illegible]	4	12	3
48/ 47		6.4	2.1															[illegible]	[illegible]	[illegible]	9
46/ 45		4.3	2.1															[illegible]	[illegible]	[illegible]	12
44/ 43		4.3	2.1															[illegible]	3	4	4
42/ 41	2.1	4.3	2.1															4	4	3	8
40/ 39		2.1																[illegible]	1	2	2
38/ 37																				[illegible]	3
36/ 35																					1
34/ 33																					1
TOTAL	4.3	3.3	31.9	17.0	8.5														48		47
																		47		47	

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.	300624	3728	79.3	10.344	47							
Dry Bulb	127532	2460	51.3	5.662	48							93
Wet Bulb	108993	2253	47.9	4.646	47							93
Dew Point	95859	2111	44.9	4.763	47							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-13 BARDENAS ANGELES RANGE SPAIN 70-75

STATION STATION NAME YEARS MONTH

[illegible] HOURS [illegible]

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
70/ 69						.4												[illegible]	1		
69/ 67					.4		.4											[illegible]	[illegible]		
66/ 63				.4	.4	1.2												[illegible]	5		
64/ 63		.4	1.2	1.5		.4	.6											11	11		
62/ 61		1.2	1.5	.6	2.7	.6												[illegible]	16	[illegible]	
60/ 59		1.2	2.3	4.6	2.3	.4												[illegible]	[illegible]	[illegible]	[illegible]
58/ 57		1.9	1.5	2.7	1.2	1.2												22	22	[illegible]	[illegible]
56/ 55		1.5	5.0	3.1	2.3													31	31	[illegible]	[illegible]
54/ 53	.4	3.5	4.2	4.6														34	35	34	21
52/ 51	1.2	3.3	5.0	.6														[illegible]	[illegible]	43	[illegible]
50/ 49		3.4	5.0	1.2														[illegible]	21	[illegible]	44
48/ 47		1.9	4.6	.4	.4													[illegible]	19	45	[illegible]
46/ 45		1.2	3.1															11	11	21	32
44/ 43	.6	.2	.4	.4														[illegible]	6	[illegible]	29
42/ 41		.3	.4	.4														4	4	[illegible]	[illegible]
40/ 39		2.3	1.2															[illegible]	[illegible]	[illegible]	13
38/ 37		.4																1	1	1	14
36/ 35																				[illegible]	[illegible]
34/ 33																					[illegible]
32/ 31																					[illegible]
30/ 29																					1
TOTAL	2.7	26.2	35.4	20.8	9.6	4.2	1.2												[illegible]		[illegible]
																		[illegible]		[illegible]	

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.	1525149	19665	75.6	12.080	260							
Dry Bulb	767423	14113	53.7	6.206	263			1.1				93
Wet Bulb	648495	12912	49.7	5.297	260							93
Dew Point	557332	11944	45.9	5.777	260		1.4					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

[illegible] [illegible] [illegible] [

DATA PROCESSING DIV. CH
USAFETAC
AIR WEATHER SERVICE / AC

PSYCHROMETRIC SUMMARY

14 [illegible] [illegible] RANGE SPAIN 70-75 [illegible]
STATION STATION NAME YEARS MONTH

PART 1 1200-1400
HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
88/ 87													.5					2	2		
86/ 85										.5	.5		.5					3	3		
84/ 83										.9								2	3		
82/ 81								.5	.5	.5		.5	.5					4	5		
80/ 79								.5	2.2	.9	.5	.9						11	12		
78/ 77							1.4	2.5	1.4	.5	.9							14	14		
76/ 75						.9	3.2		1.8	2.5	.5							19	19		
74/ 73						.5		3.7	.9	1.8								18	18		
72/ 71						2.3	1.8	1.8	.5	2.7								20	20		
70/ 69				.5	.9	.5	.5	3.2	2.3	.5								19	19		
68/ 67				.5	.9	2.3	3.7	2.3	.9									22	23	2	
66/ 65			.5	.5	1.4	.9	2.3	.5										13	13	13	
64/ 63		.5	.5	.9		1.4		.5										5	6	21	
62/ 61			.9	2.3	1.4	1.8	2.3	.5										20	20	15	
60/ 59		.5	.9	1.8	1.4	4.1	2.3	.5										25	25	27	9
58/ 57		.5	.5	.5	.9	2.3	1.4											13	13	27	9
56/ 55			1.4		.5		.5											5	5	36	19
54/ 53																				27	16
52/ 51			.5			.5												2	2	15	12
50/ 49		.5																1	1	21	23
48/ 47																				2	26
46/ 45																				3	17
44/ 43																				1	23
42/ 41																				1	16
40/ 39																					21
38/ 37																					10
36/ 35																					5
34/ 33																					1
32/ 31																					4
30/ 29																					2
TOTAL		1.8	5.0	6.3	7.3	17.4	19.2	16.0	10.5	10.5	2.3	1.4	1.8						222		219
																		219		219	

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.	545820	10474	47.8	14.359	219							
Dry Bulb	1058095	15225	68.6	7.944	222			56.6	31.0	7.1		93
Wet Bulb	707930	12393	56.6	5.271	219			1.3				93
Dew Point	492347	10273	46.9	6.925	219		2.5					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

14718 STATION — BARBERS POINT NAS STATION NAME — 71-75 YEARS — MAY MONTH

PART A 1500-1700 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
90/ 80														1.2				1	1		
88/ 67													1.2					1	1		
86/ 85												1.2	1.2	1.2				3	3		
84/ 83										1.2		1.2		1.2				3	3		
82/ 81										2.3	1.2	2.3						6	6		
80/ 79							1.2	1.2		1.2	1.2	1.2						6	6		
78/ 77							1.2	1.2	2.3	1.2	1.2	1.2						11	11		
76/ 75						1.2	1.2	2.3	2.3	1.2								11	11		
74/ 73				1.2			1.2		1.2									3	3		
72/ 71						1.2	2.3		2.3									6	6		
70/ 69							2.3	3.5	1.2									7	7		
68/ 67							2.3	2.3										4	4	2	
66/ 65				1.2		2.3	1.2	1.2										5	5	2	
64/ 63					2.3	1.2												3	3	3	1
62/ 61			1.2				1.2	1.2	1.2									6	4	5	
60/ 59		1.2			2.3	3.5	1.2											8	8	15	1
58/ 57		1.2			2.3	1.2	1.2											6	6	13	3
56/ 55																				12	4
54/ 53		1.2																1	1	8	5
52/ 51	1.2																	1	1	4	5
50/ 49																				9	4
48/ 47																				4	11
46/ 45																				1	14
44/ 43																					10
42/ 41																					12
40/ 39																					8
38/ 37																					4
36/ 35																					2
34/ 33																					2
32/ 29																					2
TOTAL	2.3	3.5	2.3	7.0	11.6	12.8	12.8	9.3	20.9	4.7	7.0	2.3	3.5					85	88	85	90

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.	172014	3678	42.6	15.505	86							
Dry Bulb	457584	6296	71.5	9.055	88			63.4	47.6	20.1		93
Wet Bulb	282855	4913	57.1	5.082	86			2.2				93
Dew Point	182109	3919	45.6	6.436	86		2.2					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

14017 — STATION
BARBERAS REALES RANGE SPAIN — STATION NAME
75-75 — YEARS
[illegible] — MONTH
PAGE 1 — [illegible] HOURS [illegible] 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
66/ 63					2.2		2.2											[illegible]	2		
64/ 63		2.2			2.2													[illegible]	2		
62/ 61		2.2	2.2	2.2														[illegible]	3	[illegible]	
60/ 59		20.0	15.6	2.2														17	17	1	[illegible]
58/ 57	2.2		2.2															[illegible]	2	14	3
56/ 55	2.2	2.2	2.2	2.2														4	4	7	3
54/ 53	2.2	13.3																[illegible]	7	[illegible]	7
52/ 51			2.2	2.2														[illegible]	2	7	7
50/ 49			2.2	2.2														[illegible]	2	1	[illegible]
48/ 47		2.2																1	1	[illegible]	1
46/ 45		2.2																1	1	[illegible]	2
44/ 43		2.2	2.2															[illegible]	2	1	3
42/ 41																				1	2
40/ 39																				1	2
38/ 35																					1
TOTAL	[illegible]	46.7	28.9	11.1	4.4		2.2												45		45
																		45		45	

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.	306992	3622	81.6	1.404	45							
Dry Bulb	144963	2543	56.5	5.341	45							90
Wet Bulb	130063	2409	53.5	5.003	45							90
Dew Point	118079	2291	50.9	5.724	45							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

14[illegible]13 STATION — [illegible]RDOBAS (WHEELUS) RANGE SPAIN STATION NAME — 70-74 YEARS — JUN MONTH

PAGE 1 (0000-0700) 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						.5	.5											1	1		
70/ 69			.5		1.0		.5	.5										2	2		
68/ 67			.5	3.7	1.6	3.1												17	17	1	
66/ 65			2.1	3.1		1.0												12	12		1
64/ 63		2.1	2.1	4.2	1.0	.5	1.0											21	21	5	
62/ 61	.5	3.1	2.6	3.7	2.1													23	23	17	3
60/ 59		6.3	3.1	5.8	.5	.5												41	41	22	13
58/ 57	1.0	.5	1.6	2.1	.5													11	11	33	17
56/ 55	1.0	7.9	1.0	1.5	1.0													24	24	32	22
54/ 53	.5	3.7	1.6	1.6	1.0													10	10	50	26
52/ 51			1.0	3.1														5	5	13	32
50/ 49			2.1	.5														3	3	9	20
48/ 47		1.0	1.0															4	4	5	9
46/ 45		.5	.5															2	2	11	5
44/ 43																				2	3
42/ 41																				1	11
40/ 39																					7
38/ 37																					3
TOTAL	3.7	25.1	24.6	29.3	8.9	5.6	2.1	.5										191	191	191	191

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.	1124650	14458	75.7	12.656	191							
Dry Bulb	681170	11360	59.5	5.394	191			11.3				90
Wet Bulb	584860	10530	55.1	4.775	191			.5				90
Dew Point	513925	9845	51.5	5.895	191							90

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

DATA PROCESSING BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14013 BARDENAS REALES NAMOF SPAIN 70-74
STATION STATION NAME YEARS MONTH

PART 1 0900-1100
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									.6									1	1		
80/ 79								.5	1.3		.6							3	4		
78/ 77					.6	1.3	2.5	.6	.5	.5	.6							11	11		
76/ 75						1.3	1.3	1.9										7	7		
74/ 73					1.3	3.1	2.5	1.9	1.3	.6								17	17		
72/ 71				.6	1.9	2.5	3.1	1.3		.5								16	16		
70/ 69					5.0	1.9	1.3	.6	.6									15	15	1	
68/ 67				.6	1.9	3.1	1.9	1.3										14	14	5	
66/ 65	.5		2.5	3.8	2.5	2.5	1.9	1.9										25	25	15	2
64/ 63			2.5	1.3	2.5	1.9	.6											14	14	13	1
62/ 61		.6	1.9	.5	.6	1.9												9	9	24	4
60/ 59		.6		1.9	1.3	1.9												9	9	29	16
58/ 57	.6	4.4	1.3	.6	1.3													13	13	22	19
56/ 55	.6	.6			.6													3	3	21	23
54/ 53		1.3																2	2	15	21
52/ 51																				9	16
50/ 49																				5	20
48/ 47																				1	6
46/ 45																					5
44/ 43																					7
42/ 41																					12
40/ 39																					6
TOTAL	1.9	7.5	8.1	9.4	19.4	21.3	15.0	10.0	4.4	1.9	1.3								160		160
																		160		160	

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.	602544	9500	59.4	15.557	160							
Dry Bulb	735877	10801	67.5	6.512	160			47.8	22.5	1.7		90
Wet Bulb	555504	9400	58.8	4.524	160			3.4				90
Dew Point	440043	8335	52.1	6.061	160							90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] BARDENAS REALES RANGE SPAIN 70-74

STATION STATION NAME YEARS

[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91												.7		.7				[illegible]	2		
90/ 89												.7						1	1		
88/ 87										.7	1.4							[illegible]	3		
86/ 85									1.4	1.4	5.1	2.0	.7					17	17		
84/ 83							1.4	.7	.7	2.7		.7	.7					1[illegible]	1[illegible]		
82/ 81							.7	2.0	.7	2.7	.7	.7	.7					1[illegible]	12		
80/ 79						1.4	1.4	2.0	2.7	.7	2.0							1[illegible]	15		
78/ 77						1.4	1.4	1.4	2.0	.7								1[illegible]	1[illegible]		
76/ 75						.7	2.7	1.4	2.0	2.0	.7	.7						15	15		
74/ 73						.7	2.0	2.0	.7	2.0	.7							1[illegible]	12		
72/ 71					2.0		2.0	2.0	.7	.7								11	11	[illegible]	
70/ 69			.7	1.4	1.4	3.4	.7	3.4	.7									17	17	11	
68/ 67			.7	.7	1.4	2.7	.7	.7										1[illegible]	10	12	
66/ 65					.7													1	1	28	2
64/ 63			1.4		.7	2.0												[illegible]	[illegible]	19	7
62/ 61					.7	.7												[illegible]	2	18	8
60/ 59				1.4														2	2	21	17
58/ 57		.7																1	1	15	11
56/ 55																				10	14
54/ 53																				3	19
52/ 51																				1	14
50/ 49																					16
48/ 47																					10
46/ 45																					9
44/ 43																					7
42/ 41																					8
40/ 39																					3
38/ 37																					1
36/ 35																					1
TOTAL		.7	2.7	3.4	6.8	12.9	12.9	15.6	11.6	13.6	11.6	5.4	2.0	.7					147		147
																		147		147	

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.	334052	6700	45.6	14.015	147							
Dry Bulb	859221	11191	76.1	7.370	147			82.7	59.4	31.5		90
Wet Bulb	571893	9144	62.2	4.611	147			15.9				90
Dew Point	412938	7730	52.6	6.650	147							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

14[illegible]13 — STATION
BARDENAS REALES RANGE SPAIN — STATION NAME
70-74 — YEARS
MONTH
PAGE 1 — 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
96/ 95																	1.6	1	1		
94/ 93																	1.6	1	1		
92/ 89											1.6		7.8					6	6		
88/ 87											1.6	3.1	1.6					4	4		
86/ 85										1.6		1.6						2	2		
84/ 83									3.1		1.6	1.6						6	4		
82/ 81							1.6	1.6	1.6	4.7		1.6						7	7		
80/ 79								1.6	1.6		1.6							3	3		
78/ 77							1.6	3.1	3.1	1.6	1.6	1.6						8	8		
76/ 75								1.6	3.1	1.6	1.6							5	5		
74/ 73						1.6		3.1										3	3		
72/ 71					1.6		1.6	3.1										4	4		
70/ 69						3.1	4.7											8	5	2	
68/ 67			1.6			1.6	3.1											4	4	3	
66/ 65			3.1			1.6												3	3	11	
64/ 63			1.6		1.6													2	2	10	1
62/ 61						1.6												1	1	6	1
60/ 59			1.6															1	1	12	3
58/ 57																				9	11
56/ 55																				4	3
54/ 53																					7
52/ 51																				1	13
50/ 49																					5
48/ 47																					7
46/ 45																					5
44/ 43																					1
42/ 41																					3
40/ 39																					3
36/ 35																					1
TOTAL			7.8		3.1	9.4	12.5	14.1	12.5	9.4	9.4	9.4	9.4				3.1	64	64	64	64

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.	127891	2693	42.1	15.210	64							
Dry Bulb	388404	4956	77.4	8.567	64			80.2	61.9	38.0	2.8	90
Wet Bulb	247433	3971	62.0	4.072	64			15.5				90
Dew Point	169777	3275	51.2	5.395	64							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

14013 — STATION
BARDENAS REALES RANGE SPAIN — STATION NAME
70-73 — YEARS
JUL — MONTH
PAGE 1 — 300-0500 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
70/ 69			3.8	7.7														[illegible]	3		
68/ 67				3.8														[illegible]	1		
66/ 63			3.8		3.8													[illegible]	2	1	
64/ 63			11.5	7.7														[illegible]	[illegible]	3	
62/ 61		3.8	7.7															[illegible]	[illegible]	[illegible]	1
60/ 59		11.5	11.5	11.5														[illegible]	[illegible]	5	7
58/ 57			3.8	3.8														[illegible]	2	[illegible]	5
56/ 55																				5	2
54/ 53			3.8															1	1	2	5
52/ 51																				1	1
50/ 49																				1	3
46/ 45																					2
TOTAL		15.4	46.2	34.6	3.8														26		26
																		26		26	

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.	156856	2010	77.3	7.688	26							
Dry Bulb	100921	1617	62.2	4.079	26			14.3				93
Wet Bulb	88173	1511	58.1	3.798	26							93
Dew Point	79360	1432	55.1	4.426	26							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

14018 — STATION
BARLOWAS REALES RANGE SPAIN — STATION NAME
70-74 — YEARS
JUL — MONTH
PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81								.9										1	1		
80/ 79								.9										1	1		
76/ 76							2.8	.9										4	4		
72/ 71				.9	1.9	1.9												5	5		
70/ 69				6.5	4.7	.9		.9										14	14		
68/ 67			1.9	7.5	5.6	3.7												20	20	1	
66/ 65		1.9		4.7	2.8													10	10	4	
64/ 63		1.9	7.5	4.7	.9	.9												17	17	22	5
62/ 61		1.9	3.7	8.4	.9													16	16	14	7
60/ 59		2.8	4.7	4.7	.9													14	14	23	15
58/ 57				.9														1	1	20	19
56/ 55			.9	.9														2	2	13	14
54/ 53			1.9															2	2	4	22
52/ 51																				4	8
50/ 49																				2	15
48/ 47																					4
46/ 45																					2
TOTAL		8.4	20.6	39.3	17.8	7.5	2.8	3.7											107		107
																		107		107	

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.	547727	7571	70.8	10.651	107							
Dry Bulb	455929	6963	65.1	5.152	107			39.1	5.2	.9		93
Wet Bulb	377592	6344	59.3	3.709	107			.9				93
Dew Point	327510	5904	55.2	4.053	107							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14018 BARDENAS REALES RANGE SPAIN 70-74 JUL

STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100

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
88/ 87										2.2								2	2		
86/ 85										2.2								2	2		
84/ 83								1.1										1	1		
82/ 81							1.1	2.2	1.1									4	4		
80/ 79						1.1		3.2	2.2	1.1								7	7		
78/ 77						1.1	6.5	2.2	3.2		1.1							13	13		
76/ 75						4.3	1.1	2.2										7	7		
74/ 73				1.1		2.2	6.5	5.4	1.1									15	15		
72/ 71					5.4	3.2	6.5		1.1									15	15		
70/ 69					1.1	6.5	3.2	3.2										13	13	5	
68/ 67						4.3												4	4	10	
66/ 65						3.2												3	3	15	1
64/ 63						3.2	1.1											4	4	12	2
62/ 61			2.2															2	2	15	6
60/ 59		1.1																1	1	19	10
58/ 57																				9	10
56/ 55																				7	10
54/ 53																				1	13
52/ 51																					15
50/ 49																					8
48/ 47																					7
46/ 45																					1
44/ 43																					2
42/ 41																					2
TOTAL		1.1	2.2	1.1	6.5	29.0	25.8	19.4	8.6	5.4	1.1								93		93
																		93		93	

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.	259505	4819	51.8	10.320	93							
Dry Bulb	504649	6831	73.5	5.615	93			83.0	51.0	14.0		93
Wet Bulb	360043	5775	62.1	3.948	93			15.0				93
Dew Point	277156	5056	54.4	4.993	93							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14015 — STATION
[illegible] RANGE SPAIN — STATION NAME
70-74 — YEARS
[illegible] — MONTH
PAGE 1 — 1200-1400 HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
98/ 97														2.3		1.1		[illegible]	3		
96/ 95													1.1	1.1				[illegible]	2		
94/ 93													1.1	1.1				[illegible]	2		
92/ 91												2.3	1.1	1.1				4	4		
90/ 89										2.3	1.1	3.4						[illegible]	5		
88/ 87								1.1			4.5	3.4	1.1					[illegible]	9		
86/ 85							1.1	2.3	2.3	2.3	2.3	3.4						12	12		
84/ 83								1.1		1.1	3.4	1.1						[illegible]	5		
82/ 81							2.3	3.4		3.6	1.1	1.1						14	14		
80/ 79						2.3		4.5	2.3	1.1								[illegible]	9		
78/ 77							2.3		1.1	1.1								4	4		
76/ 75						1.1	4.5	1.1	2.3	2.3								10	10		
74/ 73							1.1		1.1									2	2	3	
72/ 71								1.1	1.1									2	2	3	
70/ 69							1.1											1	1	15	
68/ 67							1.1											1	1	15	3
66/ 65																				13	3
64/ 63																				17	4
62/ 61																				7	6
60/ 59																				2	10
58/ 57																				5	7
56/ 55																				2	12
54/ 53																					9
52/ 51																					13
50/ 49																					10
48/ 47																					3
46/ 45																					3
44/ 43																					4
TOTAL						3.4	13.8	14.9	10.3	15.4	12.6	14.9	4.6	5.7		1.1			87		87
																		87		87	

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.	138845	3377	38.8	9.501	87							
Dry Bulb	606168	7240	83.2	6.530	87			93.0	88.7	66.3	7.5	93
Wet Bulb	378713	5729	65.9	4.113	87			43.8	3.2			93
Dew Point	266650	4790	55.1	5.832	87			3.2				93

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

DATA PROCESSED BY
USAF ETAC
AIR WEATHER SERVICE

PSYCHROMETRIC SUMMARY

[redacted] STATION | [redacted] STATION NAME | 72-74 YEARS | JUL MONTH

Part 1 1200-1700 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.	Dry Bulb	Wet Bulb	Dew Point
97/ 97													3.0		2.0			3	2		
96/ 95														3.0				1	1		
95/ 94													3.0	3.0				2	2		
94/ 93									3.0		0.1							3	3		
93/ 92										3.0	3.0		3.0					4	3		
92/ 91										3.0	3.0	2.0						4	4		
91/ 90											0.1							2	2		
90/ 89									3.0		12.1							5	5		
89/ 88										0.1								2	2		
88/ 87									3.0									1	1		
87/ 86									3.0									1	1	2	
86/ 85								0.1	3.0									3	3	3	
85/ 84																				4	1
84/ 83																				12	2
83/ 82																				2	2
82/ 81																				3	3
81/ 80																				3	1
80/ 79																				1	1
79/ 78																					6
78/ 77																					11
77/ 76																					5
76/ 75																					6
75/ 74																					1
TOTAL							9.1	12.1	12.1	24.2	24.2	9.1	6.1	3.0	2.0			35	33	33	33

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.	36272	1074	32.5	6.245	33							
Dry Bulb	236197	2733	84.5	6.840	33			91.0	94.5	73.3	8.5	93
Wet Bulb	138613	2134	64.7	4.371	33			31.0	5.6			93
Dew Point	89494	1710	51.8	5.259	33							93

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

[illegible]
USAFETAC
[illegible]

PSYCHROMETRIC SUMMARY

14[illegible] [illegible] 7[illegible]
STATION STATION NAME YEARS MONTH

[illegible] [illegible]
HOURS [illegible] S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 7[illegible]						1.5												1	1		
74/ 7[illegible]					1.5		4.0											[illegible]	3		
72/ 7[illegible]			1.[illegible]	1.5	1.5													[illegible]	3		
7[illegible]/ 6[illegible]			1.[illegible]	4.5	1.5	3.[illegible]												7	7		
6[illegible]/ 6[illegible]			1.[illegible]	1.5	3.[illegible]	1.[illegible]												[illegible]	5	1	
6[illegible]/ 6[illegible]		1.5	1.5	6.1														[illegible]	[illegible]	[illegible]	1
6[illegible]/ 6[illegible]	[illegible]	[illegible]	4.5	1.5														7	7	[illegible]	[illegible]
6[illegible]/ 61	[illegible]		4.5	4.5		1.5												[illegible]	[illegible]	12	[illegible]
6[illegible]/ 5[illegible]		4.5	10.5	10.6														17	17	[illegible]	[illegible]
5[illegible]/ 57		1.5	4.5	1.5														[illegible]	5	11	11
5[illegible]/ 5[illegible]			1.5	3.0														[illegible]	3	1[illegible]	[illegible]
5[illegible]/ 5[illegible]																				[illegible]	[illegible]
5[illegible]/ 5[illegible]																				[illegible]	[illegible]
5[illegible]/ 4[illegible]																				2	5
4[illegible]/ 4[illegible]			1.5															1	1		[illegible]
4[illegible]/ 4[illegible]																				1	2
44/ 4[illegible]																					1
42/ 41																					1
TOTAL	[illegible]	10.[illegible]	33.3	34.6	7.6	7.6	[illegible]												66		66
																		66		66	

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.	373425	4917	74.5	10.458	66							
Dry Bulb	266614	4180	63.3	5.379	66			26.8	5.0			93
Wet Bulb	227733	3865	58.6	4.585	66			1.4				93
Dew Point	201338	3630	55.0	5.096	66							93

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

[illegible]
USAF ETAC
[illegible]

PSYCHROMETRIC SUMMARY

[illegible] STATION NAME [illegible] YEARS [illegible]

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0-1	1-4	5-6	7-8	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
[illegible]				.4		1.1											[illegible]	4		
[illegible]			.5	1.5	.4	.5											[illegible]	[illegible]		
[illegible]			.5	3.4	1.1	1.1	.5										[illegible]	[illegible]		
[illegible]		[illegible]	2.7	4.2	.5												[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	2.3	1.5												[illegible]	[illegible]		1
[illegible]	1.1	[illegible]	1.[illegible]	1.1													24	24	21	[illegible]
[illegible]	[illegible]	[illegible]	5.7	[illegible]	.4												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	5.7	1.1													[illegible]	29	37	[illegible]
[illegible]	[illegible]	[illegible]	4.5	.4													32	32	24	43
[illegible]	1.1	[illegible]	.4	.4													17	17	[illegible]	[illegible]
[illegible]	[illegible]	1.1	1.5	.4													11	11	41	[illegible]
[illegible]		[illegible]	.3														4	4	24	[illegible]
[illegible]	.4	1.1															4	4	[illegible]	[illegible]
[illegible]	.4																1	1	[illegible]	[illegible]
[illegible]	.3																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				4
[illegible]																				[illegible]
[illegible]																				[illegible]
TOTAL	1.[illegible]	[illegible].727	[illegible]	[illegible]	4.2	3.1	[illegible]											262		262
																	262		262	

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.	1436479	19203	73.3	10.535	262							
Dry Bulb	1086335	16805	64.1	5.687	262			37.3	4.5			93
Wet Bulb	918170	15460	59.0	4.757	262			3.2				93
Dew Point	808064	14436	55.3	5.227	262			.4				93

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

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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. Dry Bulb	TOTAL Wet Bulb Dew Point
87/ 87											.5							1	1
86/ 86									.5		.5							1	1
85/ 85						.5	.5	1.4	.5	.5								3	3
84/ 84					.5	.5	1.4	.5	.5	.5								4	10
83/ 83				.5		.5	.5	4.5	.5									11	11
82/ 82					1.4	4.1	2.3	1.4		.5								21	21
81/ 81				.5	2.3	3.6	3.2	.5										23	23
80/ 80				1.4	2.7	.5	.5	3.2	.5	.5								23	23
79/ 79				1.4	4.1	2.3	1.4	1.4										25	25
78/ 78			1.4	.5	2.7	3.6	3.6	.5										25	25
77/ 77		.5	.5	1.3	1.4	3.2	1.4	.5										21	21
76/ 76			.5	.5	2.3	3.6												17	17
75/ 75				.5	2.3	.5												3	3
74/ 74	.5		1.4		.5	.5												7	7
73/ 73		.5		.5	1.3													2	2
72/ 72		.5			.5													1	1
71/ 71																			
70/ 70																			
69/ 69																			
68/ 68																			
67/ 67																			
66/ 66																			
65/ 65																			
64/ 64																			
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49/ 49																			
48/ 48																			
47/ 47																			
46/ 46																			
45/ 45																			
44/ 44																			
43/ 43																			
42/ 42																			
41/ 41																			
40/ 40																			
TOTAL	.5	2.3	4.1	5.5	21.6	24.1	14.1	10.5	3.0	2.7	1.4							220	220

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.	765587	12653	57.5	12.251	220							
Dry Bulb	1155056	15882	72.2	6.248	220			75.2	45.7	12.3		93
Wet Bulb	363732	13746	62.5	4.769	220			23.4	.6			53
Dew Point	596455	12311	56.0	5.873	220			2.1				33

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

14715 SANDBERG (CALIF.) RANGE SPAIN 70-74 APR
STATION STATION NAME YEARS MONTH

DATA 1200-1400
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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
100/ 98																.5		1	1		
98/ 96															.5	.5		1	1		
96/ 94												.5	.5	.5				2	2		
94/ 92												.5		.5		.5		3	3		
92/ 90								.5			1.4	1.4	1.4	.5				17	12		
90/ 88							.5	.5	.5		2.4	1.4	.5	.5				14	14		
88/ 86					.5			.5	.5	2.4	1.9	.5						14	14		
86/ 84							1.4	3.3	1.9	3.3	1.9	1.4						31	30		
84/ 82							.9	2.4	2.8	1.9	1.4	.5						25	22		
82/ 80							2.8	.9		1.4	.5							12	12		
80/ 78						.5	.5	2.4	1.9	4.3		.5						29	22	2	
78/ 76						.5	1.9	.5	5.7	1.4	.5							23	23	1	
76/ 74							1.9	3.8	4.3	.5								22	22	3	1
74/ 72					.5		.9	.9	1.4									5	5	9	-
72/ 70					.5	.5	.5		.5									4	4	22	
70/ 68					.9			.5										3	3	34	4
68/ 66			.5	.5														2	2	32	5
66/ 64						.5	.5											2	2	19	9
64/ 62	.5	.5					.5											3	3	25	25
62/ 60		.5																1	1	35	13
60/ 58		.5																2	2	14	29
58/ 56		.5																1	1	3	16
56/ 54																				1	16
54/ 52																				2	17
52/ 50																					22
50/ 48																					20
48/ 46																					12
46/ 44																					7
44/ 42																					3
42/ 40																					2
TOTAL	.5	2.4	.5	.5	1.9	3.3	12.3	16.1	19.9	15.6	10.4	8.1	3.3	2.8	.5	1.9		211		211	
																		211		211	

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.	426951	9039	42.8	13.752	211							
Dry Bulb	1425879	17269	81.8	7.722	211			89.0	45.1	55.1	6.2	93
Wet Bulb	923059	13919	66.0	4.814	211			45.8	6.6			93
Dew Point	674114	11846	56.1	6.556	211			4.4	1.2			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

14[illegible] [illegible] RANGE SPAIN 72-74

STATION | STATION NAME | YEARS | MONTH

[illegible] 1[illegible]-17[illegible]

HOURS [illegible]

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
102/101														.[illegible]	.						
100/ 99															1.7	.5			[illegible]		
98/ 97												.6		.[illegible]	.[illegible]	1.7					
96/ 95											.6	1.7	1.7	3.3	.[illegible]			1	1[illegible]		
94/ 93												.[illegible]	3.3	.[illegible]		.6		1[illegible]	13		
92/ 91											.6	.6	1.7	.3				[illegible]	[illegible]		
90/ 89												1.7						[illegible]	[illegible]		
88/ 87									1.7		2.5	.6						[illegible]	[illegible]		
86/ 85									.6	4.1	1.7		1.7					1[illegible]	1[illegible]		
84/ 83								.3	3.3	.8	4.1	.3	.3					13	13		
82/ 81							.6	.6	.6		2.5	.6						7	7		
80/ 79								1.7	1.7	2.5	2.5							1[illegible]	1[illegible]		
78/ 77								.8	5.0	5.0	1.7							1[illegible]	1[illegible]		
76/ 75							.8	5.0	.6									[illegible]	[illegible]	3	
74/ 73					.6			1.7		.8								4	4	5	
72/ 71									2.5									3	3	12	
70/ 69			.5															[illegible]	1	22	
68/ 67				.8				.6										[illegible]	2	1[illegible]	1
66/ 65																				8	2
64/ 63		.5																1	1	10	6
62/ 61																				27	7
60/ 59		.5																1	1	5	10
58/ 57																				4	20
56/ 55																				3	15
54/ 53																				1	3
52/ 51																					16
50/ 49																					11
48/ 47																					10
46/ 45																					7
44/ 43																					5
42/ 41																					7
TOTAL		1.7	.8	.5	.6		1.7	11.6	16.5	13.2	16.5	8.3	14.0	6.6	4.1	3.3			121		121
																		121		121	

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.	169613	4303	35.5	11.758	121							
Dry Bulb	873992	10230	84.5	8.704	121			91.5	86.9	61.5	25.4	93
Wet Bulb	523334	7936	65.6	4.880	121			46.1	6.1			93
Dew Point	351528	6478	53.5	6.268	121			.8				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

14013 BARDENAS REALES RANGE SPAIN 70-73 [illegible]

STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]

HOURS [illegible]

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
70/ 68			1.5															1	1		
68/ 67			1.5															1	1		
66/ 65		1.5	1.5	4.5	1.5													[illegible]	6	3	
64/ 63			2.0															2	2	1	2
62/ 61		5.0	6.0															[illegible]	3	4	1
60/ 59	1.5	6.0	1.5	9.0		1.5												13	13	12	[illegible]
58/ 57		4.5	6.0	1.5														[illegible]	6	4	10
56/ 55		1.5	7.5	2.0		1.5												[illegible]	9	5	3
54/ 53		3.0	1.5	6.0														7	7	10	2
52/ 51		4.0	3.0	1.5														[illegible]	5	[illegible]	5
50/ 49																				6	6
48/ 47		3.0	4.5															[illegible]	5	5	5
46/ 45		1.5																1	1	5	3
44/ 43		1.5																1	1	3	6
42/ 41																					7
40/ 39																					2
38/ 37																					1
TOTAL	1.5	31.5	37.3	25.4	1.5	3.0													67	67	67

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.	426712	5302	79.1	10.402	67							
Dry Bulb	221839	3837	57.3	5.706	67			2.7				90
Wet Bulb	195196	3596	53.7	5.764	67							90
Dew Point	175484	3400	50.7	6.682	67							90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] PANCEMAS REALES FANCE SPAIN 70-74 [illegible]

STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]

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				.4														1	1		
70/ 69		.4	.6															[illegible]	3	1	
68/ 67		.4	2.1	2.3	2.1	.4												19	19	1	1
66/ 65		1.7	2.1	1.3			.4											13	15	[illegible]	2
64/ 63		2.5	3.8	1.7														19	19	[illegible]	5
62/ 61		3.3	4.2	1.5	.6													24	24	24	7
60/ 59	.4	3.6	4.2	3.8	.4	.4												31	31	26	25
58/ 57	.4	2.5	3.5	4.6														30	30	22	21
56/ 55		1.5	3.5	3.8	1.3	.4												24	24	24	16
54/ 53		2.1	3.3	2.9	.6													22	22	32	21
52/ 51		3.3	2.7	.4														14	16	22	17
50/ 49		2.9	3.3															15	15	25	43
48/ 47	.4	1.5	.4															5	5	21	21
46/ 45		4.2																10	10	10	21
44/ 43	.4	.8																3	3	13	14
42/ 41	.4																	1	1	2	15
40/ 39		.4																1	1	1	7
38/ 37		.8																2	2	1	2
36/ 35																				1	2
TOTAL	2.1	33.5	34.3	23.0	5.4	1.3	.4												239		239
																		239		239	

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.	1535116	19002	79.5	10.112	239							
Dry Bulb	797810	13722	57.4	6.473	239			3.7				90
Wet Bulb	703422	12684	53.9	6.106	239			.8				90
Dew Point	633075	12200	51.0	6.583	239			.4				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

14718 — STATION

BARBERS POINT NAS/KALAELOA AP, HI — STATION NAME

70-74 — YEARS

SEP — MONTH

0000-2300 — 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	Wet Bulb	Dew Point
82/ 81								.5	1.5									2		2		
80/ 79						.5	.5	.5										2		2		
78/ 77		.5				1.5	1.5	.5	1.5									4		6		
76/ 75					.5	.5	1.5	.5										5		5	1	1
74/ 73					2.5	2.5	1.5	1.5										13		13		
72/ 71			.5	1.5	1.5	.5	1.5	.5	.5									12		12		
70/ 69			1.5	1.5	2.5	.5												11		11	1	
68/ 67			1.5	2.5	2.5	2.5	1.5											21		21	2	1
66/ 65		1.5	.5	1.5	2.5	2.5	1.5	.5										15		15	14	
64/ 63		2.5	1.5	3.5	2.5	1.5	.5											24		24	25	5
62/ 61		1.5	.5	2.5	3.5	3.5	.5											22		22	28	14
60/ 59		2.5	2.5	4.5	3.5	1.5												31		31	17	23
58/ 57		1.5		.5	3.5													10		10	21	16
56/ 55			.5	2.5	1.5													4		4	24	12
54/ 53	.5	1.5	1.5	1.5														5		5	29	21
52/ 51		1.5	1.5															4		4	19	17
50/ 49																					15	22
48/ 47																					9	15
46/ 45																						18
44/ 43		.5																1		1	1	20
42/ 41																						13
TOTAL	.5	16.5	18.0	31.5	26.5	20.7	7.6	3.5	2.9									204		204		204

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.	903929	13295	65.2	13.587	204							
Dry Bulb	864510	13200	64.7	7.155	204			33.5	15.0	2.6		90
Wet Bulb	684354	11758	57.6	5.776	204			5.7	.4			90
Dew Point	586951	10669	52.3	6.041	204			.9	.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

14[illegible] [illegible] SPAIN 7[illegible]-74 [illegible]
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91											.6							1	1		
90/ 89								.6		1.1								2	3		
88/ 87									1.1	1.1	.6							3	5		
86/ 85							.6	1.1	1.7	2.2	.6	1.7						14	14		
84/ 83								1.1	.6	1.1	1.7							[illegible]	6		
82/ 81						.6	.6	3.3	.6	1.7	1.1		.6					15	15		
80/ 79						.6	1.1	2.8	2.8									13	13		
78/ 77						2.2	.6	1.1	1.1			.6						10	10		
76/ 75					.6	.6	1.7	1.1	1.1									9	9	1	
74/ 73					.6	2.2	3.9	4.4		.6								21	21	3	
72/ 71				1.1	2.2		2.8	4.4	2.2									23	23	5	
70/ 69				.6	1.7	2.2	3.3	2.2	.6									14	19	1[illegible]	2
68/ 67			.6		1.1	2.8	3.3	1.1										15	15	21	1
66/ 65		.6	1.1	.6	.6	1.1	1.7											10	10	19	4
64/ 63				1.1	2.2	1.7												9	9	27	13
62/ 61					.6	1.1												3	3	13	16
60/ 59				.6														1	1	23	20
58/ 57																				23	10
56/ 55		.6																1	1	15	12
54/ 53																				11	16
52/ 51																				2	15
50/ 49																					38
48/ 47																					6
46/ 45																					7
44/ 43																					6
42/ 41																					4
40/ 39																					2
38/ 37																					1
34/ 33																					1
TOTAL		1.1	1.7	3.9	9.4	14.9	19.3	23.2	11.6	7.7	4.4	2.2	.6						181		181
																		181		181	

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.	463810	8912	49.2	11.785	181							
Dry Bulb	1016062	13496	74.6	7.361	181			73.1	49.2	26.4		90
Wet Bulb	705334	11258	62.2	5.322	181			20.9	3.0			90
Dew Point	530939	9727	53.7	6.752	181			1.5				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14718 — STATION — MORON/LOS ALCAZARES RANGE SPAIN — STATION NAME — 72-74 — YEARS — JUL — MONTH

PAGE 1 — 1500-1700 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
94/ 93												1.0						1	1		
92/ 91											1.0							1	1		
90/ 89										1.0	2.0	1.0						4	4		
88/ 87										2.0	3.1							5	5		
86/ 85						1.0				2.0						1.0		4	4		
84/ 83						1.0			2.0				1.0	1.0		1.0		6	6		
82/ 81									1.0	1.0	1.0							3	3		
80/ 79						1.0		3.1										4	4		
78/ 77					1.0		2.0	1.0	2.0			1.0						7	7		
76/ 75							2.0	5.1	2.0	1.0	1.0							11	11	1	
74/ 73							3.1	7.1	2.0	2.0								14	14	1	
72/ 71					6.1	1.0		5.1	4.1									16	16	3	
70/ 69							1.0	6.1	3.1									10	10	3	2
68/ 67								1.0										1	1	5	
66/ 65			2.0			1.0		1.0										4	4	5	1
64/ 63			2.0		1.0	2.0												5	5	11	2
62/ 61						1.0												1	1	13	2
60/ 59					1.0													1	1	11	17
58/ 57																				11	10
56/ 55																				17	6
54/ 53																				5	5
52/ 51																				3	2
50/ 49																					11
48/ 47																					10
46/ 45																					8
44/ 43																					4
42/ 41																					10
40/ 39																					3
38/ 37																					2
36/ 35																					1
34/ 33																					2
TOTAL			4.1		9.2	6.2	8.2	29.6	16.3	9.2	8.2	3.1	1.0	1.0		2.0		98	98	98	98

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.	206240	4304	43.9	13.372	98							
Dry Bulb	562730	7390	75.4	7.505	98			79.9	55.1	23.9	.9	90
Wet Bulb	371552	6010	61.3	5.552	98			20.2	1.8			90
Dew Point	261440	4990	50.9	8.799	98		1.8	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

14015 PARDENAS ANGELES RANGE SPAIN 70-73 OCT

STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]

HOURS [illegible]

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
60/ 59		5.9	1.7	5.2														[illegible]	[illegible]	[illegible]	2
58/ 57		5.9	3.4															[illegible]	5		
56/ 55		5.2	1.7															[illegible]	4	7	[illegible]
54/ 53			6.9	1.7														[illegible]	[illegible]	[illegible]	[illegible]
52/ 51	1.7	3.4	3.4															[illegible]	[illegible]	[illegible]	[illegible]
50/ 49		3.4	1.7															[illegible]	[illegible]	[illegible]	[illegible]
48/ 47		3.4	5.9	3.4														[illegible]	[illegible]	[illegible]	[illegible]
46/ 45		1.7	1.7	1.7														[illegible]	[illegible]	4	[illegible]
44/ 43		5.2	1.7															4	4	[illegible]	4
42/ 41	1.7	5.6																[illegible]	[illegible]	7	[illegible]
40/ 39		6.9	3.4															[illegible]	6	[illegible]	[illegible]
38/ 37																				[illegible]	[illegible]
36/ 35																				[illegible]	2
34/ 33																					2
32/ 31																					1
30/ 29																					1
TOTAL	3.4	51.7	32.6	12.1															53		58
																		58		58	

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.	408917	4639	83.4	9.546	58							
Dry Bulb	146972	2894	49.9	6.717	58							93
Wet Bulb	132943	2751	47.4	6.570	58							93
Dew Point	120491	2611	45.0	7.195	58		3.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] BARKSDALE FIELD, LA/GR SPAATI 70-74 OCT
STATION STATION NAME YEARS MONTH

Page 1 0001-0000
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
64/ 63			1.0															2	2		
62/ 61		.5	1.0	1.0														3	0		
60/ 59		2.9	.5	.5	.5													5	7	5	5
58/ 57	.5	4.9	1.0															11	11	12	5
56/ 55	.5	3.4	1.5	.5														12	12	11	14
54/ 53	.5	1.5	3.4	2.0														14	14	11	7
52/ 51	.5	3.9	3.9															17	17	11	9
50/ 49	1.5	3.4	3.9	1.0														31	31	21	23
48/ 47	1.0	2.5	4.9		.5													15	16	13	11
46/ 45		5.4	3.9	.5														20	20	23	16
44/ 43	.5	6.4	1.0															14	15	22	20
42/ 41	2.0	4.9	1.0															15	15	22	20
40/ 39	1.0	4.9	1.0															14	14	15	23
38/ 37		3.4																11	11	9	20
36/ 35		2.5	.5															5	5	11	11
34/ 33		.5																1	1	5	9
32/ 31																				1	9
28/ 27																					1
TOTAL	7.8	51.5	33.8	5.9	1.0														204		204
																		204		204	

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.	1475945	17245	84.5	9.456	204							
Dry Bulb	402630	9824	48.2	6.872	204							93
Wet Bulb	438961	9369	45.9	6.537	204		.5					93
Dew Point	398659	3907	43.7	6.949	204		4.6					93

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

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

PSYCHROMETRIC SUMMARY

14[illegible] BARRENAS [illegible] RANGE SPAIN 7[illegible]-74 [illegible]
STATION STATION NAME YEARS MONTH

P[illegible] [illegible]-11[illegible]
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						.5												1	1		
70/ 69				.5														1	1		
68/ 67					1.4	.5												4	4		
66/ 65			.5	2.3	.5													7	7		
64/ 63			1.[illegible]	.9	.9	.9	.9											12	12	2	
62/ 61		.9	3.2	1.8	1.4	.9												1[illegible]	13	[illegible]	
60/ 59		1.5	3.2	.5	2.8	1.4												21	21	17	4
58/ 57		1.4	1.[illegible]	.5	2.8	2.3												20	20	12	10
56/ 55		1.4	1.4	2.3	3.2	.5												19	19	15	15
54/ 53		2.8	4.1	6.5	1.4													32	32	17	13
52/ 51		2.8	2.[illegible]	4.6														22	22	1[illegible]	[illegible]
50/ 49		.9	3.7	1.8	.5													15	15	33	22
48/ 47	.5	2.3	5.1	1.4														20	20	35	16
46/ 45		2.8	1.4															9	9	30	13
44/ 43		.9	2.[illegible]															[illegible]	[illegible]	15	21
42/ 41		1.4	1.4															6	6	6	47
40/ 39		.9																2	2	10	21
38/ 37																				3	10
36/ 35																					14
TOTAL	.5	20.3	33.2	23.0	14.7	7.4	.9												217		217
																		217		217	

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.	1165793	15691	72.3	12.018	217							
Dry Bulb	653263	11821	54.5	6.568	217			2.6				93
Wet Bulb	545606	10810	49.8	5.733	217							93
Dew Point	458198	9874	45.5	6.422	217							93

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

DATA PROCESSING OFFICE
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14733 — STATION — [illegible] RUNWAYS TORREJON RANGE SPAIN — STATION NAME — 73-74 — YEARS — OCT — MONTH

DAILY — 1200-1400 — 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. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81										.7	.7							2		
81/ 79							.7											1	1	
79/ 77								.7										1	1	
78/ 76					1.5	.7	.7	1.5										3	3	
76/ 74						1.5	2.2	2.2	.7									6	7	
75/ 73					.7	1.5	2.2	.7	.7	.7								6	6	
73/ 69				.7	3.7	2.2	.7	.7	1.5									13	13	
69/ 67				.7	2.2	3.0	2.2											11	11	4
68/ 66			.7	1.5	2.2	1.5	3.0	2.2										15	13	
66/ 64		.7	2.2		.7	3.7	3.0	.7										18	15	11 1
65/ 63			.7	1.5	.7	3.7	3.0											13	13	17 5
63/ 61				2.2	2.2	2.2												6	9	14 6
61/ 59			1.5	.7	3.7	1.5	.7											11	11	13 9
60/ 58			.7	.7	1.5	.7												3	3	9 12
58/ 56		.7		1.5	.7													4	4	15 10
56/ 54			.7	1.5		.7												4	4	12 11
55/ 53		.7	1.5	1.5														5	5	12 14
53/ 51																				8
52/ 50		.7		.7														2	2	8 16
50/ 48																				8 12
49/ 47																				11 11
47/ 45																				14
45/ 43																				4
44/ 42																				0
43/ 41																				4
42/ 41																				1
TOTAL	3.0	5.1	13.3	20.0	23.0	16.5	8.9	3.0	1.5	.7								135	135	135

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.	451000	7600	56.3	13.143	135							
Dry Bulb	504020	8566	64.2	7.594	135			35.8	13.1	2.1		93
Wet Bulb	416325	7453	55.2	6.325	135			2.8				93
Dew Point	314712	6444	47.7	7.299	135		.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

14013 BARDENAS REALES RANGE SPAIN 70,72-74 [illegible]

STATION STATION NAME YEARS MONTH

[illegible] 1 [illegible]-1730

HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/77								.9										[illegible]	1		
76/7[illegible]							.9			.9	.9							[illegible]	[illegible]		
74/73						.9				1.8								[illegible]	[illegible]		
72/71					.9		1.8	2.7											[illegible]		
70/69				.9	4.5		.9	2.7	5.4									[illegible]	10		
68/67					.9	.9	2.7	.9	2.7									[illegible]	[illegible]		
66/65			.9	.9	1.8	.9	4.5	2.7	.9									[illegible]	14		
64/63			1.8	2.7	.9	2.7	2.7	2.7	1.8									[illegible]	17	[illegible]	
62/61			.9	2.7	.9	4.5	4.5											[illegible]	15	7	
60/59		.9	.9	4.5	1.8		1.8											11	11	[illegible]	4
58/57			.9	.9	1.8	.9													[illegible]	[illegible]	[illegible]
56/55				.9	.9	.9												[illegible]	[illegible]	17	[illegible]
54/53				2.7														[illegible]	[illegible]	[illegible]	9
52/51				.9														1	1	15	4
50/49			.9	1.8														[illegible]	3	[illegible]	[illegible]
48/47				.9														1	1	[illegible]	10
46/45																				1	12
44/43																				2	12
42/41																				1	12
40/39																					[illegible]
38/37																					10
36/35																					7
32/31																					2
TOTAL		.9	6.3	19.8	14.4	11.7	19.3	12.6	10.8	2.7	.9								111		111
																		111		111	

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.	333637	5869	52.9	14.560	111							
Dry Bulb	459592	7112	64.1	5.963	111			31.8	5.9			93
Wet Bulb	330208	6032	54.3	4.684	111							83
Dew Point	237198	5074	45.7	6.913	111		1.7					93

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

[illegible]

PSYCHROMETRIC SUMMARY

[illegible] STATION NAME [illegible] YEARS [illegible] MONTH [illegible] HOURS [illegible]

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
[illegible]				2.[illegible]														[illegible]	2		
[illegible]		[illegible]		1.4														[illegible]	[illegible]		
[illegible]																				[illegible]	1
[illegible]				1.4														1	1	[illegible]	
[illegible]	1.4	[illegible]	2.[illegible]															7	7		1
[illegible]	[illegible]																	[illegible]	[illegible]		7
[illegible]	[illegible]	4.2	2.[illegible]															7	7	7	[illegible]
[illegible]		[illegible].9																[illegible]	7	[illegible]	[illegible]
[illegible]	1.4	11.3																[illegible]	[illegible]	11	5
[illegible]	[illegible]	11.[illegible]	7.[illegible]	1.4														1[illegible]	1[illegible]	[illegible]	1[illegible]
[illegible]	[illegible]	[illegible].4	1.4															[illegible]	4	[illegible]	10
[illegible]	1.4	2.[illegible]	1.4															4	4	7	[illegible]
[illegible]	[illegible]		2.[illegible]															4	4	[illegible]	6
[illegible]		1.4																1	1	1	2
[illegible]		1.4																1	1	[illegible]	2
[illegible]	1.4																	1	1	1	4
[illegible]	1.4																	1	1	1	2
[illegible]																					1
[illegible]																					1
TOTAL	[illegible]	[illegible]	18.[illegible]	7.[illegible]															71		71
																		71		71	

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.	332640	6216	87.5	10.976	71							
Dry Bulb	139379	3113	43.8	6.425	71		[illegible].8					90
Wet Bulb	123943	2995	42.2	6.100	71		7.6					90
Dew Point	118372	2860	40.3	6.774	71		12.7					90

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

DATA [illegible]
USAF ETAC
AIR [illegible] SERVICE / AC

PSYCHROMETRIC SUMMARY

14[illegible] [illegible] [illegible] [illegible] [illegible]-74

STATION | STATION NAME | YEARS | MONTH

[illegible] | [illegible]

HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]				.5														[illegible]	[illegible]		
[illegible]		1.4	.5															[illegible]	[illegible]	[illegible]	
56/ 55		.9	.	.5														[illegible]	[illegible]	1	[illegible]
54/ 53			2.7	.5														7	7	[illegible]	
52/ [illegible]		[illegible]	1.[illegible]															[illegible]	12	7	2
50/ 49	[illegible]	[illegible]	4.1															[illegible]	31	[illegible]	[illegible]
48/ 47	1.[illegible]	5.[illegible]	[illegible]	.5														[illegible]	24	1	12
46/ 45	[illegible]	3.6																14	14	27	[illegible]
44/ 43	[illegible]	6.3	.5	.5														2[illegible]	22	[illegible]	19
42/ 41	[illegible]	4.1	2.[illegible]		.5													[illegible]	26	[illegible]	34
40/ 39	2.7	6.3	1.[illegible]		.5													[illegible]	[illegible]	[illegible]	12
38/ 37	[illegible]	3.2	.5															[illegible]	10	[illegible]	20
36/ 35	1.4	1.4	1.4	1.4														12	12	[illegible]	12
34/ 33	[illegible]	.9																7	7	12	14
32/ 31	2.[illegible]	.9																[illegible]	7	11	15
30/ 29	1.4	.9																[illegible]	[illegible]	7	[illegible]
28/ 27	.																	1	1	1	5
26/ 25	.[illegible]																	1	1	1	1
24/ 23																					2
22/ 21																					3
TOTAL	[illegible]	42.1	19.[illegible]	4.5	.9														221		221
																		221		221	

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.	1761076	19572	88.6	11.233	221							
Dry Bulb	429803	9631	43.6	6.773	221		3.7					90
Wet Bulb	399775	9291	42.0	6.461	221		8.1					90
Dew Point	369771	8905	40.3	7.033	221		14.3					90

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

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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
54/ 5					.4													1			
5 / 5			1.	.2	.4																
52/ 51		1.3	2.2	1.3	1.3													16	14	1	
50/ 49		.4	1.	4.4	.4	.4												15	15	7	3
48/ 47		1.3	4.	3.3	.4													21	21		6
46/ 45	1.1	2.2	4.															17	17	17	9
44/ 43	.7	2.7	0.1	.3	.4													25	25	32	17
42/ 41		4.3	3.1	2.3	2.2	.4												27	27	22	17
40/ 39	1.	4.0	1.		.7													15	16	27	23
38/ 37	.7	3.3	1.3	.4														11	11	23	17
36/ 35	3.3	4.0	4.0	.4	.4													32	32	36	35
34/ 33	.7	2.7	.9	.9														12	12	13	14
32/ 31		.4		.9														3	3	13	15
30/ 29	.4	.7	.4															2	2	4	13
28/ 27	1.3	.4																4	4	13	13
26/ 25	.4																	1	1	3	10
24/ 23	.4																	1	1	1	4
22/ 21	.3																	1	1	1	3
20/ 19																					2
18/ 17																					2
TOTAL	1.	29.6	30.	15.	7.1	.4													226		226
																		226		226	

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.	1491315	13093	58.1	13.798	226							
Dry Bulb	516556	10770	47.3	6.554	226		1.2					90
Wet Bulb	452630	10026	44.4	5.925	226		2.0					90
Dew Point	393724	9310	41.2	6.733	226		11.5					90

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

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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/ 54						.7												1	1		
69/ 67					.7	.7		.7										3	3		
66/ 58				2.2	2.9	.7	.7											6	6		
64/ 60						3.6	.7											5	6		
62/ 61		.7	2.7	2.2	1.5	.7												11	11		
60/ 59			2.4	1.2	3.6	.7												8	12		
57/ 57		1.5	6.3	4.4	1.5	.7	.7											15	20	13	1
55/ 55			2.4	6.6	1.5	2.2	.7											13	13	12	4
53/ 52			2.4	2.9	1.5	.7												7	11	27	9
51/ 51		1.5	3.1	.7	.7	.7												14	13	17	13
50/ 49		2.2	3.6	2.2	.7	.7												13	15	14	20
48/ 47		.7	2.9		.7													7	7	14	22
46/ 46			1.5	.7														3	5	13	15
44/ 43			1.5	.7	.7													4	4	6	15
42/ 41			.7															1	1	5	12
41/ 39																					6
39/ 38																					5
37/ 37																				1	3
34/ 33																					4
32/ 31																					4
31/ 27																					3
29/ 29																					1
TOTAL	0	6	31	42	9	10	11	2.4	2.7	.7									139		137
																		137		137	

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.	642422	9224	67.3	12.529	137							
Dry Bulb	440010	7778	56.3	5.085	139			2.6				90
Wet Bulb	230823	6897	50.3	5.200	137							88
Dew Point	282981	6163	45.0	6.494	137		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

14[illegible] BARDENAS REALES RANGE SPAIN 70-74

STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700

HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
66/ 6[illegible]					2.0	2.0												2	2		
64/ 6[illegible]					3.9		2.0											3	3		
62/ 61			5.[illegible]			7.[illegible]												7	7		
60/ 5[illegible]		2.0	2.0	11.0	2.0	3.9		2.0										12	12	2	
58/ 57				2.0	2.0	2.0	2.0											4	4	5	1
56/ 55			2.0	5.9		2.0												5	5	2	3
54/ 5[illegible]			3.9	5.9	2.0	2.0												7	7	10	1
52/ 51						3.9												2	2	5	2
50/ 49			2.0	2.0														2	2	7	4
48/ 47			3.9	2.0	2.0													4	4	5	7
46/ 45		2.0			2.0													2	2	5	4
44/ 4[illegible]																				4	5
42/ 41					2.0													1	1	3	6
40/ 3[illegible]																				1	2
38/ 37																				1	2
36/ 35																				1	3
34/ 33																					2
32/ 2[illegible]																					4
28/ 27																					1
24/ 2[illegible]																					1
TOTAL		3.9	19.6	29.4	17.0	23.5	3.9	2.0											51		51
																		51		51	

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.	201792	3138	61.5	13.2[illegible]1	51							90
Dry Bulb	163473	2873	56.3	5.7[illegible]5	51							90
Wet Bulb	127385	2533	49.7	5.620	51							90
Dew Point	96859	2197	42.9	7.855	51		10.0					90

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

[illegible]
USAF ETAC
AIR WEATHER SERVICE/[illegible]

PSYCHROMETRIC SUMMARY

14[illegible] [illegible] [illegible] [illegible] 70-73 [illegible]

STATION | STATION NAME | YEARS | MONTH

[illegible] [illegible]

HOURS [illegible]

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
46/ 4[illegible]			3.[illegible]															1	1		
44/ 4[illegible]		1[illegible].7																[illegible]	4	[illegible]	
42/ 4[illegible]	[illegible]	1[illegible].7	3.[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
4[illegible]/ 3[illegible]	1[illegible].7	[illegible]																[illegible]	4	[illegible]	6
3[illegible]/ 37	[illegible]	7.1																[illegible]	[illegible]	[illegible]	[illegible]
3[illegible]/ 3[illegible]		7.1	[illegible]															[illegible]	3	[illegible]	[illegible]
34/ 3[illegible]	[illegible]		3.[illegible]															[illegible]	[illegible]	[illegible]	2
3[illegible]/ 31	3.[illegible]																	[illegible]	1	2	[illegible]
3[illegible]/ 2[illegible]	3.[illegible]																	1	2	2	1
2[illegible]/ 27	7.[illegible]	[illegible]																[illegible]	3	[illegible]	2
2[illegible]/ 2[illegible]																					1
24/ 2[illegible]	3.[illegible]																	1	1	1	3
2[illegible]/ 1[illegible]		3.[illegible]																1	1		
1[illegible]/ 17																				1	
1[illegible]/ [illegible]																					1
TOTAL	[illegible]	[illegible]	4[illegible]	[illegible]															30		2[illegible]
																		2[illegible]		2[illegible]	

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.	226478	2502	89.4	10.375	28							
Dry Bulb	40671	1087	36.2	6.658	30		24.8					93
Wet Bulb	35546	982	35.1	6.400	28		29.9					93
Dew Point	32422	932	33.3	7.200	28		36.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14015 BARDENAS [illegible] RANGE SPAIN 70-74 [illegible]

STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]

HOURS [illegible]

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
52/ 51			1.5																2	2		
50/ 49		.7		.7															2	2		
48/ 47		2.2	2.2																[illegible]	[illegible]	[illegible]	
46/ 45		6.5	1.5																11	11	4	2
44/ 43	1.5	8.5	3.7																19	19	12	10
42/ 41	.7	6.6	1.5																12	12	12	10
40/ 39	7.0	8.5	1.5																24	24	27	23
38/ 37	1.5	3.7																	7	7	17	19
36/ 35	2.2	1.5	1.5																8	8	7	14
34/ 33	.7	4.4	2.2																10	10	10	9
32/ 31	5.5	2.9	1.5																15	15	14	18
30/ 29	3.7																		5	5	9	8
28/ 27	4.4	.7																	7	7	7	8
26/ 25	2.2																		3	4	3	7
24/ 23		1.5																	2	2	1	3
22/ 21																					1	1
20/ 19		.7																	1	1		1
18/ 17		1.5																	2	2	2	
16/ 15																					1	
12/ 11																						2
10/ 9																						1
TOTAL	31.6	50.7	16.9	.7																137		136
																			135		135	

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.	1080792	12048	88.6	9.993	136							
Dry Bulb	201065	5161	37.7	6.989	137		24.4					93
Wet Bulb	186339	4959	36.5	6.422	136		26.0					93
Dew Point	169133	4709	34.6	6.713	136		33.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] BARDENAS [illegible] RANGE SPAIN 70-74

STATION | STATION NAME | YEARS | MONTH

PAGE 1 0900-1100

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
54/ 53				2.7	.7													7	5		
52/ 51		.7	2.7	.7														6	6		
50/ 49			2.7	1.4	1.4													8	8	2	1
48/ 47		1.4	3.4	3.4														12	12	7	
46/ 45	.7	5.4	2.7	.7														14	14	12	4
44/ 43	1.4	6.6	3.4	2.0														20	20	26	9
42/ 41	1.4	6.6	2.7															19	19	14	19
40/ 39	1.4	5.4	.7															11	11	21	23
38/ 37	3.4	5.4	.7	.7														15	15	19	20
36/ 35	5.4	4.1																11	11	15	24
34/ 33	2.0	.7	.7															5	5	3	14
32/ 31	4.1	.7	.7															8	8	8	14
30/ 29	1.4	.7	.7															4	4	4	4
28/ 27	3.4																	5	5	6	5
26/ 25																				1	2
24/ 23	.7	1.4																3	3	2	3
22/ 21																				1	1
20/ 19																					1
18/ 17		.7																1	1		1
16/ 15																				1	
14/ 13																					1
10/ 9																					1
TOTAL	23.1	42.2	21.1	11.6	2.0														147		147
																		147		147	

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.	1049233	12283	83.6	12.535	147							
Dry Bulb	251405	5989	40.7	7.121	147		13.3					93
Wet Bulb	224566	5676	38.6	6.083	147		14.6					93
Dew Point	195084	5280	35.9	6.101	147		20.9					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

14015 BARDENAS [illegible] RANGE SPAIN 70-74 DEC

STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400

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
62/ 61			1.2															1	1		
60/ 59						2.3												2	2		
58/ 57					1.2	2.3												3	3	1	
56/ 55			3.5	2.3	9.3	1.2												14	14		
54/ 53			4.7		2.3													5	5	2	1
52/ 51			1.2	7.0	9.3													15	15	4	
50/ 49		1.2	3.5	5.3														14	14	11	4
48/ 47			2.3	2.3														4	4	10	4
46/ 45	1.2	1.2	3.5	3.5														6	6	22	5
44/ 43		2.3		1.2	1.2													4	4	12	5
42/ 41	2.3	4.7																6	6	9	17
40/ 39	1.2	4.7																6	6	5	20
38/ 37					1.2													1	1	2	10
36/ 35		1.2																1	1	1	13
34/ 33	1.2																	1	1	2	2
32/ 31	1.2																	1	1	1	3
30/ 29																				1	
28/ 27																					1
26/ 25																					1
24/ 23																					
TOTAL	7.0	15.1	25.6	22.1	24.4	5.8													87		86
																		86		86	

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.	453333	6111	71.1	14.989	86							
Dry Bulb	213026	4270	49.1	6.336	87		1.1					93
Wet Bulb	173242	3838	44.6	4.802	86		2.2					93
Dew Point	138028	3414	39.7	5.423	86		5.4					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14[illegible] [illegible] AS [illegible] [illegible] 72-74 [illegible]
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
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
62/ 61							3.3											1	1		
60/ 59						6.7												2	2		
58/ 57					10.0	3.3												4	4		
56/ 55					15.7													5	5		
54/ 53				3.3	3.3													2	2		
52/ 51					13.3													4	4	2	
50/ 49			3.3	3.3														2	2	4	
48/ 47			3.3															1	1	7	
46/ 45		3.3	3.3		3.3													3	3	3	
44/ 43		3.7	3.3															3	3	6	2
42/ 41	3.3		3.3															2	2	3	12
40/ 39																					7
38/ 37					3.3													1	1	2	4
36/ 35																					3
30/ 29																				1	
28/ 27																					1
18/ 17																					1
TOTAL	3.3	10.0	15.7	6.7	50.0	10.0	3.3												30		30
																		30		30	

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.	126193	1903	63.4	13.745	30							
Dry Bulb	79259	1531	51.0	6.234	30							93
Wet Bulb	61431	1351	45.0	4.514	30		3.1					93
Dew Point	45330	1156	38.5	5.204	30		6.2					93

USAFETAC FORM JUL 64 0-26-5 (OL A) 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

14013 — STATION
BARDENAS REALES RANGE SPAIN — STATION NAME
70-75 — YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
03-05	MEAN	38.3	38.6	39.5	45.8	51.3	56.5	62.2	63.3	57.3	49.0	43.8	36.2	48.6
	S D	6.299	5.313	5.620	6.166	5.662	5.341	4.079	5.379	5.706	6.717	6.425	6.658	10.671
	TOTAL OBS	50	51	55	49	48	45	26	66	67	59	71	30	626
06-08	MEAN	38.5	38.7	40.0	46.2	53.7	59.5	65.1	64.1	57.4	48.2	43.6	37.7	49.3
	S D	6.908	5.569	5.752	6.491	6.208	5.394	5.152	5.687	6.473	6.872	6.773	6.949	11.232
	TOTAL OBS	213	206	235	256	263	191	107	262	239	204	221	137	2534
09-11	MEAN	42.0	42.3	46.0	53.6	62.1	67.5	73.5	72.2	64.7	54.5	47.3	40.7	54.4
	S D	6.612	5.241	5.845	6.390	6.668	6.512	5.615	6.248	7.155	6.568	6.654	7.121	12.605
	TOTAL OBS	223	228	270	245	207	160	93	220	204	217	226	147	2440
12-14	MEAN	49.2	51.4	54.5	61.8	68.6	76.1	83.2	81.8	74.6	64.2	56.0	49.1	65.1
	S D	6.637	4.757	6.151	7.143	7.944	7.300	6.530	7.722	7.361	7.594	5.888	6.336	13.309
	TOTAL OBS	130	138	170	204	222	147	87	211	181	135	139	87	1851
15-17	MEAN	51.8	53.0	55.7	61.9	71.5	77.4	84.3	84.5	75.4	64.1	56.3	51.0	67.1
	S D	6.260	4.737	6.104	8.675	9.055	8.567	6.840	8.704	7.505	5.963	5.705	6.234	13.486
	TOTAL OBS	47	51	107	94	88	64	33	121	98	111	51	30	895
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	42.6	43.7	46.9	53.8	61.5	67.3	73.5	73.1	65.5	55.6	48.2	41.9	56.2
	S D	8.090	7.454	8.576	9.540	10.026	10.010	9.972	10.665	10.233	9.440	8.181	8.423	14.213
	TOTAL OBS	673	674	837	848	828	607	346	880	789	725	708	431	8346

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14013 BARDENAS REALES RANGE SPAIN 70-75
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
03-05	MEAN	37.2	36.5	37.1	42.9	47.9	53.5	58.1	58.6	53.7	47.4	42.2	35.1	45.9
	S D	5.543	4.627	5.077	5.461	4.646	5.003	3.798	4.585	5.764	6.570	6.100	5.400	9.607
	TOTAL OBS	56	51	55	48	47	45	26	66	67	58	71	69	620
06-08	MEAN	37.7	36.9	37.9	43.2	49.7	55.1	59.3	59.0	53.9	45.9	42.0	36.5	46.4
	S D	5.808	5.032	5.297	5.820	5.297	4.775	3.709	4.767	6.106	6.537	6.461	6.422	9.769
	TOTAL OBS	207	206	233	254	260	191	107	262	239	204	221	136	2520
09-11	MEAN	40.1	39.6	41.8	47.5	53.7	58.8	62.1	62.5	57.6	49.8	44.4	38.6	48.9
	S D	5.333	4.437	5.068	5.007	4.788	4.524	3.948	4.709	5.726	5.733	5.925	6.083	9.702
	TOTAL OBS	213	228	269	243	204	160	93	220	204	217	226	147	2430
12-14	MEAN	45.3	45.4	46.6	52.3	56.6	62.2	65.9	66.0	62.2	55.2	50.3	44.6	55.0
	S D	5.026	3.537	5.047	5.286	5.271	4.611	4.113	4.814	5.322	6.025	5.200	4.802	9.011
	TOTAL OBS	128	138	170	202	219	147	87	211	181	135	137	86	1841
15-17	MEAN	46.6	45.4	46.7	51.2	57.1	62.0	64.7	65.6	61.3	54.3	49.7	45.0	55.1
	S D	4.862	3.873	4.811	5.375	5.082	4.072	4.371	4.880	5.552	4.684	5.620	4.514	8.648
	TOTAL OBS	47	51	107	94	86	64	33	121	98	111	51	30	893
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	40.5	40.2	42.0	47.5	53.2	58.4	62.1	62.4	57.7	50.2	45.0	39.4	49.9
	S D	6.305	5.640	6.284	6.543	6.032	5.591	4.821	5.622	6.692	6.953	6.795	6.803	10.158
	TOTAL OBS	659	674	834	841	816	607	346	880	789	725	706	427	8304

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14913 (STATION) BARCELONAS REALES RANGE SPAIN (STATION NAME) 70-75 (YEARS)

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
03-05	MEAN	35.2	33.6	33.5	39.7	44.9	50.9	55.1	55.0	50.7	45.0	40.3	33.1	43.2
	S D	5.521	4.499	5.653	5.903	4.763	5.724	4.426	5.096	6.582	7.195	6.704	7.200	9.709
	TOTAL OBS	54	51	55	48	47	45	26	66	67	58	71	28	520
06-08	MEAN	36.1	34.4	34.3	39.9	45.9	51.5	55.2	55.3	51.0	43.7	40.3	34.6	43.5
	S D	5.644	5.093	6.976	6.218	5.777	5.835	4.053	5.227	6.583	6.939	7.233	6.713	9.603
	TOTAL OBS	207	206	233	254	260	191	107	262	239	204	221	136	2520
09-11	MEAN	37.5	35.5	36.7	41.2	46.5	52.1	54.4	56.3	52.3	45.5	41.2	35.9	43.9
	S D	5.253	5.128	6.404	5.910	5.845	5.061	4.993	5.873	6.541	6.422	6.733	6.101	9.264
	TOTAL OBS	219	228	269	243	204	160	93	220	204	217	226	147	2430
12-14	MEAN	40.9	38.8	38.1	43.4	48.9	52.6	55.1	56.1	53.7	47.7	45.0	39.7	46.8
	S D	5.592	5.704	7.080	6.742	6.925	6.650	5.332	6.566	6.752	7.298	6.494	5.423	9.025
	TOTAL OBS	126	138	170	202	219	147	87	211	181	135	137	96	1841
15-17	MEAN	41.1	38.8	38.6	43.0	48.6	51.2	51.8	53.5	50.9	45.7	42.9	38.5	45.2
	S D	6.100	6.816	8.107	6.305	6.436	5.895	5.259	6.268	8.709	6.913	7.955	5.204	9.396
	TOTAL OBS	47	51	107	94	86	64	33	121	98	111	51	30	893
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	37.9	35.8	36.2	41.2	46.2	51.9	54.6	55.4	51.9	45.4	41.7	36.3	44.5
	S D	5.875	5.596	6.776	6.388	6.153	6.103	5.009	5.916	7.015	6.993	7.070	6.501	9.429
	TOTAL OBS	653	674	834	841	816	607	346	880	789	725	706	427	8304

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DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14013	BARBERAS TALES RANGE SPAIN	70-75	ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
JAN	ALL	100.0	100.0	100.0	99.1	96.6	89.4	76.7	57.9	29.4	80.4	859
FEB		100.0	99.6	99.1	95.0	86.0	74.9	63.3	38.0	12.1	72.5	674
MAR		100.0	99.4	98.1	91.2	78.4	66.9	46.5	27.4	11.2	67.4	934
APR		100.0	100.0	96.9	87.7	75.5	58.0	43.1	23.1	5.6	64.5	841
MAY		100.0	99.5	93.6	79.3	65.6	50.5	38.4	19.6	5.3	60.6	316
JUN		100.0	99.4	91.0	80.5	64.1	50.0	38.8	22.4	8.1	60.9	607
JUL		100.0	99.8	86.4	65.5	51.9	39.6	28.6	10.3	1.5	54.2	346
AUG		100.0	99.1	89.8	73.6	58.3	44.9	31.8	11.4	3.7	56.7	350
SEP		99.6	99.1	97.6	86.1	69.9	55.8	43.1	23.0	7.0	63.4	789
OCT		100.0	100.0	99.0	93.1	82.4	70.3	54.6	32.8	15.1	69.9	725
NOV		100.0	100.0	100.0	98.7	91.8	82.8	68.7	45.1	26.2	77.0	706
DEC		100.0	100.0	100.0	99.8	96.4	84.1	69.2	52.4	34.5	79.2	427
TOTALS		100.0	99.7	96.0	87.5	76.4	63.9	50.2	30.4	13.3	67.2	8304

USAFETAC FORM JUL 64 0-87-5 (OL A)

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ AC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
1[illegible]	BARSTOWS [illegible]ALES RANGE SPAIN	70-7[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
JAN	0[illegible]-0[illegible]											
	0[illegible]-0[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	96.6	[illegible]	44.[illegible]	[illegible]7.7	[illegible]
	0[illegible]-08	100.0	100.0	100.0	100.0	100.0	100.0	97.6	[illegible]	52.2	[illegible]9.6	207
	0[illegible]-11	100.0	100.0	100.0	100.0	99.1	97.3	97.2	[illegible]	35.6	[illegible]	219
	1[illegible]-14	100.0	100.0	100.0	100.0	96.9	83.6	59.4	[illegible]	12.[illegible]	73.[illegible]	12[illegible]
	1[illegible]-17	100.0	100.0	100.0	95.7	87.2	66.0	42.6	[illegible]	[illegible]2.1	[illegible]	[illegible]7
	1[illegible]-20											
	2[illegible]-23											
TOTALS		100.0	100.0	100.0	99.1	96.6	89.4	76.7	57.9	29.4	80.4	559

USAFETAC FORM JUL 64 0-87-5 (OL A)

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DATA PROCESSING BRANCH
FTDC/USAF
AIR WEATHER SERVICE/TAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14-13	BARBERAS MEALES RA OF SPAIN	71-7[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
FEB	0[illegible]-02											
	0[illegible]-05	1[illegible]0.0	100.0	100.0	100.0	100.0	93.0	88.2	[illegible].7	1[illegible].7	[illegible]2.1	[illegible]1
	[illegible]-08	100.0	100.0	100.0	100.0	99.[illegible]	98.5	[illegible]1.7	67.[illegible]	3[illegible].1	[illegible]4.7	[illegible]
	0[illegible]-11	1[illegible]0.0	100.0	99.6	99.1	97.4	89.0	69.7	3[illegible].5	15.4	75.3	22[illegible]
	1[illegible]-14	1[illegible]0.0	100.0	97.6	93.5	76.3	55.8	43.5	14.5	1.4	63.[illegible]	1[illegible]
	1[illegible]-17	1[illegible]0.0	93.0	98.0	[illegible].4	54.9	33.3	23.5	7.[illegible]		55.3	[illegible]1
	[illegible]											
	[illegible]											
			[illegible]	99.1	95.0	86.0	74.9	63.3	3[illegible].8	12.1	72.5	674

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ATA PROCESSING BRANCH
TTAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14[illegible]	[illegible] RANGE SPAIN	70-7[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	96.4	76.4	41.[illegible]	21.[illegible]	79.[illegible]	[illegible]
	06-08	100.0	100.0	100.0	100.0	100.0	96.6	79.4	55.7	26.2	81.4	233
	09-11	100.0	100.0	100.0	99.3	91.4	76.6	46.8	[illegible]	7.8	70.5	[illegible]
	12-14	100.0	100.0	96.[illegible]	81.8	55.9	34.1	18.[illegible]	5.2		55.1	17[illegible]
	15-17	100.0	97.2	91.[illegible]	74.8	44.9	30.8	11.2	4.7		50.5	107
	18-20											
	21-23											
TOTALS		100.0	99.4	98.1	91.2	78.4	66.9	46.5	27.4	11.2	67.4	834

USAFETAC FORM JUL 64 0-87-5 (OL A)

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DATA PROCESSING BR [illegible]
PTAC/USAF
[illegible] THER SERVIC [illegible]

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14014	BARLEMAS [illegible]	70-7[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
[illegible]	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	93.8	79.2	52.1	12.5	79.4	[illegible]
	06-08	100.0	100.0	100.0	100.0	100.0	94.9	80.[illegible]	44.1	15.0	78.7	[illegible]
	09-11	100.0	100.0	100.0	96.3	82.7	59.7	35.[illegible]	11.9	1.2	64.[illegible]	243
	12-14	100.0	100.0	97.5	79.2	52.0	22.3	11.4	3.[illegible]		52.[illegible]	202
	15-17	100.0	100.0	87.2	62.8	42.6	19.1	9.6	4.3	1.1	48.3	94
	18-20											
	21-23											
TOTALS		100.0	100.0	96.9	87.7	75.5	58.0	43.1	23.1	5.6	64.5	841

USAFETAC FORM JUL 64 0-87-5 (OL A)

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14[illegible]	BARDENAS [illegible] RANGE SPAIN	70-75	MAY
STATION	STATION NAME	PERIOD	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											
	03-05	100.0	100.0	100.0	100.0	100.0	95.7	83.0	4[illegible].9	12.8	79.3	47
	06-08	100.0	100.0	100.0	100.0	98.1	88.8	71.5	34.6	10.8	75.6	260
	09-11	100.0	100.0	100.0	88.7	68.6	39.7	21.6	6.4	2.5	59.1	2[illegible]4
	12-14	100.0	100.0	92.2	68.5	37.0	17.8	8.7	3.2	.5	47.8	219
	15-17	100.0	97.7	75.6	41.9	24.4	10.5	7.0	4.7		62.0	86
	18-20											
	21-23											
TOTALS		100.0	99.5	9[illegible].6	79.3	65.6	50.5	38.4	19.6	5.3	60.6	816

USAFETAC FORM JUL 64 0-87-5 (OL A)

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DATA PROCESSING BRANCH
STAC/CCAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14[illegible]	BARBERAS MEALES RANGE SPAIN	70-74	JUL

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%		
JUL	00-02											
	03-05	100.0	100.0	100.0	100.0	97.8	95.6	86.7	57.8	22.2	81.3	45
	06-08	100.0	100.0	100.0	100.0	97.4	88.0	70.2	38.2	13.1	75.7	191
	09-11	100.0	100.0	98.8	92.5	70.0	42.5	22.5	12.5	4.4	59.4	160
	12-14	100.0	100.0	87.1	59.9	33.3	12.9	6.6	2.0	.7	45.6	147
	15-17	100.0	96.9	71.9	50.0	21.9	10.9	7.8	1.6		42.1	64
	18-20											
	21-23											
TOTALS		100.0	99.4	91.6	80.5	64.1	50.0	38.8	22.4	8.1	60.9	607

USAFETAC FORM JUL 64 0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14015	3 PUERTAS REALES RANGE SPAIN	70-74	JUL

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%		
JUL	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	20.6	[illegible]	[illegible]	77.3	26
	06-08	100.0	100.0	100.0	100.0	95.3	84.1	57.9	18.7	2.8	70.8	107
	09-11	100.0	100.0	98.9	88.2	52.7	12.9	4.3	2.2	1.1	51.8	93
	12-14	100.0	98.9	81.6	33.3	11.5	1.1				38.9	87
	15-17	100.0	100.0	51.5	6.1						32.5	33
	18-20											
	21-23											
TOTALS		100.0	99.8	86.4	65.5	51.9	39.6	28.6	10.3	1.5	54.2	345

USAFETAC FORM JUL 64 0-87-5 (OL A)

1 DATA PROCESSING BRANCH
2 ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14015 BARDENAS REALES RANGE SPAIN 70-74 AUG
STATION STATION NAME PERIOD 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											
	03-05	100.0	100.0	100.0	100.0	100.0	89.4	74.2	22.7	9.1	74.5	66
	06-08	100.0	100.0	100.0	100.0	98.9	90.1	64.1	24.4	5.0	73.3	262
	09-11	100.0	100.0	99.5	95.5	47.3	34.5	13.6	5.0	1.8	57.5	220
	12-14	100.0	98.6	85.8	47.9	20.4	6.6	3.8	3.3	2.0	42.9	211
	15-17	100.0	96.7	63.6	24.8	5.0	4.1	3.3	1.7		35.6	121
	18-20											
	21-23											
TOTALS		100.0	99.1	89.8	73.6	58.3	44.9	31.8	11.4	3.7	56.7	860

DATA PROCESSING BRANCH
FTAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14013	BARDENAS REALES RANGE SPAIN	70-74	SEP

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											
	03-05	100.0	100.0	100.0	100.0	98.5	95.5	85.1	47.8	11.9	79.1	67
	06-08	100.0	100.0	100.0	100.0	99.2	96.7	85.6	43.5	16.3	79.5	259
	09-11	100.0	100.0	100.0	99.0	87.7	58.8	36.3	14.7	5.9	55.2	204
	12-14	100.0	99.4	96.1	78.5	37.6	16.0	4.4	2.2	1.1	49.2	181
	15-17	98.0	95.9	91.3	53.1	26.5	12.2	4.1	2.0		43.9	93
	18-20											
	21-23											
TOTALS		99.6	99.1	97.6	86.1	69.9	55.8	43.1	23.0	7.0	63.4	789

USAFETAC FORM JUL 64 0-87-5 (OL A)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14015 (STATION) BARBERS SCALES RANGE SPAIN (STATION NAME) 70-74 (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											
	03-05	100.0	100.0	100.0	100.0	100.0	96.6	91.4	83.1	31.0	83.4	58
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	96.1	84.7	36.0	84.5	204
	09-11	100.0	100.0	100.0	100.0	96.8	81.1	58.1	27.6	6.0	72.3	217
	12-14	100.0	100.0	96.3	95.5	83.7	37.8	14.6	5.7	.7	56.3	135
	15-17	100.0	100.0	96.4	75.7	51.4	36.9	12.6	2.7	.9	52.9	111
	18-20											
	21-23											
TOTALS		100.0	100.0	99.0	93.1	82.4	70.3	54.6	32.8	15.1	69.9	725

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

14013 BARBERAS SCALES RANGE SPAIN 70-74 [illegible]
STATION STATION NAME PERIOD 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											
	03-05	100.0	100.0	100.0	100.0	100.0	96.8	93.0	77.5	47.9	87.5	71
	06-08	100.0	100.0	100.0	100.0	99.1	96.8	94.0	74.6	54.3	88.6	221
	09-11	100.0	100.0	100.0	99.6	96.2	91.2	77.9	58.4	27.4	80.1	226
	12-14	100.0	100.0	100.0	97.8	89.1	72.3	44.6	13.1	1.6	67.3	137
	15-17	100.0	100.0	100.0	96.1	72.5	54.9	33.3	7.8		61.5	51
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	98.7	91.8	82.8	68.7	45.1	26.2	77.0	705

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / AF

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
14013	CARDENAS REALES RANGE SPAIN	70-7[illegible]	[illegible]

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											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	92.9	82.1	57.1	89.4	[illegible]
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	92.6	79.4	53.7	88.6	[illegible]
	09-11	100.0	100.0	100.0	100.0	100.0	95.9	81.6	62.6	37.4	83.6	147
	12-14	100.0	100.0	100.0	98.8	95.3	74.4	48.8	24.4	17.4	71.1	[illegible]
	15-17	100.0	100.0	100.0	100.0	86.7	50.0	30.0	13.3	6.7	63.4	[illegible]
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	99.8	96.4	84.1	69.2	52.4	34.5	79.2	427

USAFETAC FORM JUL 64 0-87-5 (OL A)

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.

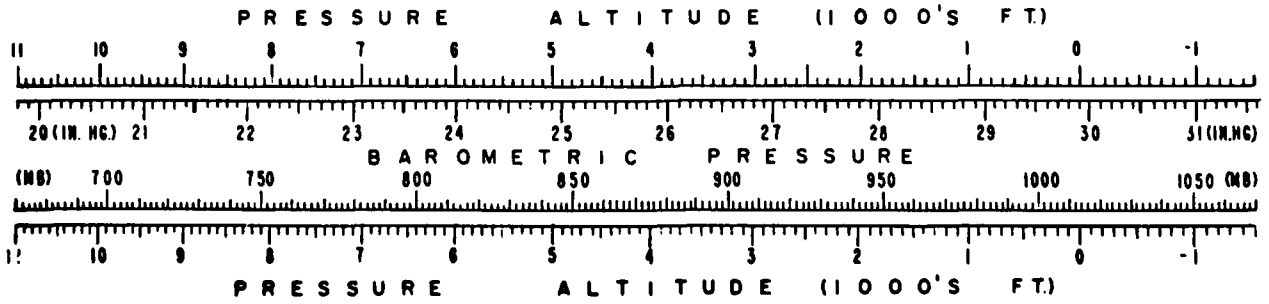
NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

DATA NOT AVAILABLE

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

14013 BARDENAS REALES RANGE SPAIN 72-75
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN													
	S D													
	TOTAL OBS													
04	MEAN													
	S D													
	TOTAL OBS													
07	MEAN	29.126	28.971	28.942	28.961	28.950	29.018	29.002	29.030	28.998	28.987	29.118	29.232	29.023
	S D	.223	.252	.196	.162	.170	.111	.103	.087	.103	.175	.167	.127	.186
	TOTAL OBS	54	57	60	56	57	30	26	65	58	56	58	39	616
10	MEAN	29.150	29.009	28.967	28.976	28.975	29.030	29.004	29.042	29.027	29.015	29.167	29.246	29.045
	S D	.220	.267	.197	.165	.200	.098	.094	.088	.104	.199	.179	.124	.193
	TOTAL OBS	50	55	60	57	56	29	26	65	54	56	53	36	597
13	MEAN	29.100	29.033	28.865	28.962	28.957	29.025	28.994	28.996	29.015	28.999	29.114	29.258	29.007
	S D	.171	.164	.217	.194	.251	.106	.081	.091	.077	.142	.211	.102	.187
	TOTAL OBS	19	19	26	36	38	11	17	43	21	19	19	13	281
16	MEAN			28.905	28.925	28.938	28.959	28.902	28.981	28.953	28.950			28.941
	S D			.181	.193	.211	.092	.093	.086	.105	.173			.154
	TOTAL OBS			47	30	17	17	10	41	31	46			239
19	MEAN													
	S D													
	TOTAL OBS													
22	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	29.133	28.996	28.930	28.960	28.959	29.011	28.988	29.017	29.001	28.988	29.137	29.242	29.017
	S D	.220	.247	.197	.174	.203	.104	.098	.090	.103	.180	.179	.122	.187
	TOTAL OBS	123	131	193	179	168	87	79	214	164	177	130	88	1733

USAFETAC FORM JUL 64 0-89 5 (OL1)

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