

AD-A138 281 ZARAGOZA AIR BASE SPAIN REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 09 DEC 83
UNCLASSIFIED USAFETAC/DS-83/051 S01-AD-E850 504 F/G 4/2

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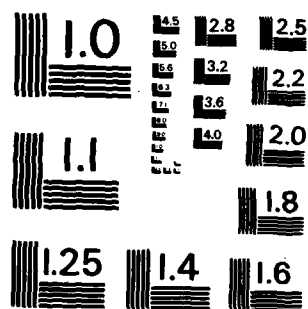
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USAFETAC/DS-83/051 S01-AD-E850 504

DEC 83
F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
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AD A138281

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**DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

ZARAGOZA AB SP MJC #081605
N 41 40 W 001 02 ELEV 863 FT LEZG
PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z
PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 73 - DEC 81
SUMMARY OF DAY DATA: JUL 57 - DEC 74, NOV 79 - DEC 81
TIME CONVERSION GMT TO LST: +1

DEC 09 1983

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-83/051	2. GOVT ACCESSION NO. A1 254281	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- ZARAGOZA AIR BASE, SPAIN		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE DEC 83															
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18. SUPPLEMENTARY NOTES SUPERSEDES REPT. NO. USAFETAC/DS-80/089, AD-A088 963, JUL 79.																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for ZARAGOZA AIR BASE, SPAIN It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

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

*ZARAGOZA AB

* SPAIN

SPO81605

*ZARAGOZA AIR BASE

*ZARAGOZA

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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



Accession For	
NTIS	☒
DTIC	☐
Unannounced	☐
Justification	☐
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

One additional note concerning the Ceiling Versus Visibilities tables: using Spanish civilian observations presents a problem because of the use of "CAVOK". To avoid unrepresentative table values, all ceilings above 5000 feet were surpressed into the 5000 foot category and all visibilities greater than 5 miles were surpressed into the 5 mile category.

The Summary of Day (SOD) for the period Jan 67-Dec 74 was manually extracted from the Spanish Civilian Airport by Det 16, 31WS personnel. Det 16s evaluation of this data extracted from ltr 6 Dec 82 is:

Several points should be made concerning the enclosed Spanish weather data. First, they were taken from the Spanish civilian airport by Spanish civilian weather personnel. This location is approximately one-half mile east of the USAF observation site. Secondly, we have no reason to dispute the accuracy of the temperature and precipitation data; however the wind data is, in our judgment, clearly inaccurate and unrepresentative, especially the wind speeds. The wind recorder the Spanish have been using during this period, and continue to use, for extracting the peak winds records higher speeds (anywhere from a few knots to 10 knots or more) when compared to their other wind set whose sensors are at the same height and location or our own USAF wind equipment. This wind speed data will definitely overstate climatological wind speeds and probably should not be used.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
081605		ZARAGOZA AB, SPAIN		N 41 40		W 001 02		863 ft		LEZG		08160	
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	Zaragoza AB Spain	Spanish Gov't	Jan 71	Mar 76	N 41 40	W 001 01	863 ft	N/A	18				
2	Same	Same	Apr 76	26 Apr 77	Same	Same	Same	Same	24				
3	Same	Same	27 Apr 77	Nov 79	Same	W 001 02	Same	Same	18-20				
4	Same	AB	Dec 79	Dec 81	Same	Same	Same	Same	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Jan 71	Not available.	GMQ-20	RO-362	13 ft	AF station closed 13 Apr 67. Spanish Gov't operating station since 14 Apr 67. USAF Reactivated Station 15 Nov 79							
2	Oct 79	Same	Same	Same	Same								
3	15 Nov 79	Same	Same	Same	Same								

U S AIR FORCE
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A

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.

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

1957 1 APR 30 28 AB SP 73-81 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	0-10		5.9		.2		6.2	18.3	11.8			22.4	816
	11-20		6.1		.4		6.4	20.3	10.0			27.7	827
	21-30		5.4		.7	.1	6.2	22.3	10.6			22.8	828
	31-40		3.8		1.1		4.7	21.2	10.9			41.6	836
	41-50		3.7		.4		3.1	25.5	15.9		.2	47.6	835
	51-60		5.2		.2		5.4	14.4	15.9			29.9	832
	61-70		6.2		.5		6.6	13.9	16.8			37.3	837
	71-80		7.1		.2		7.1	16.1	12.0			27.7	837
	81-90												
	91-100												
TOTALS			5.3		.5	.1	5.7	20.3	13.0		.0	32.7	6635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

091605 ZARAGOZA AB SP

73-81

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	0-02		5.3				5.3	3.8	8.1			11.7	741
	3-05		3.6			.1	3.7	5.5	10.0			15.4	747
	06-08		5.5				5.5	10.5	13.3			23.6	750
	09-11		4.6	.1		.1	4.9	20.7	18.6			38.2	759
	12-14		7.5				7.5	9.4	20.2		.1	29.3	757
	15-17		7.2		.1		7.2	3.2	14.1			17.0	754
	18-20	.5	7.4		.3	.1	7.7	4.4	13.5			17.3	757
	21-23		7.8		.4		7.9	2.4	10.3			12.7	755
TOTALS		.1	6.1	.0	.1	.0	6.2	7.5	13.5		.0	20.7	6729

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

001605
STATION

ZAPAGOZA AB SP
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	0-22		7.4				7.4	.9	9.6			10.3	815
	03-25		7.5				7.5	2.0	9.5			11.3	812
	26-28		7.0		.1		7.1	10.4	15.0			24.4	828
	29-31		4.5			.1	4.6	15.9	21.1			35.2	824
	12-14		3.7				3.7	6.0	21.8			27.5	830
	15-17		4.9				4.9	1.6	14.3		.1	15.8	831
	18-20		5.5				5.5	.7	14.7			15.4	824
	21-23	.1	5.6				5.6	.5	9.5			9.8	824
TOTALS		.0	5.8		.0	.0	5.8	4.8	14.4		.0	19.7	6588

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1505
STATION

ZAPAGOZA AB SP
STATION NAME

73-81

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		6.6				6.6	.6	6.5			6.8	793
	03-05		6.8				6.8	1.4	8.7			10.0	779
	06-08		7.5				7.5	9.9	18.3			26.4	799
	09-11		4.7				4.7	8.8	23.9			31.6	803
	12-14	.1	4.2				4.2	2.7	17.1			19.4	803
	15-17	.9	7.4				7.4	.6	9.8			10.4	795
	18-20	1.1	7.5				7.5	.9	9.1			9.8	804
	21-23	.7	8.2				8.2		8.2			8.2	805
TOTALS		.4	6.6				6.6	3.1	12.7			15.3	6378

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

73-81
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAY	00-02	.4	4.0				4.0	1.1	3.7			4.8	827
	03-05		3.9				3.9	2.6	5.9			8.5	813
	06-08	.2	5.6				5.6	10.2	22.8			32.7	826
	09-11	.1	5.3				5.3	4.7	27.1			31.4	831
	12-14	.5	3.6				3.6	1.3	12.6			13.9	826
	15-17	1.1	5.9				5.9	.2	4.7			5.0	824
	18-20	1.2	7.4				7.4	.2	4.8			5.0	819
	21-23	1.1	6.6				6.6	.7	4.9			5.5	821
TOTALS		.6	5.3				5.3	2.6	10.8			13.4	6587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

81605
STATION

PARAGOZA AB SP
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.9	2.4				2.4	1.0	3.2			4.1	779
	03-05	.8	3.9				3.9	1.0	5.5			6.6	777
	06-08	.4	4.9				4.9	10.4	23.9			32.8	795
	09-11	.5	4.4			.1	4.5	5.5	26.8			31.2	798
	12-14	.4	3.6				3.6	1.5	15.2			16.6	797
	15-17	2.4	4.7				4.7	.5	7.1			7.5	802
	18-20	3.0	5.4			.1	5.5	.8	6.5			7.1	799
	21-23	3.7	4.3				4.3	1.3	5.2			6.3	790
TOTALS		1.5	4.2			.0	4.2	2.8	11.7			14.0	6337

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

0-1605
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUL	00-02	.7	1.2				1.2		2.6			2.6	816
	03-05	.6	1.2			.1	1.4		3.9			3.9	803
	06-08	.6	1.0				1.0	7.3	28.0			34.1	825
	09-11	.5	.8				.8	4.0	27.7			30.8	824
	12-14	.1	1.1				1.1	1.1	14.1			14.8	824
	15-17	1.7	1.7				1.7	.2	5.3			5.6	827
	18-20	4.1	3.0				3.0	.2	2.7			2.8	829
	21-23	3.3	3.6				3.6	.2	4.1			4.4	824
TOTALS		1.5	1.7			.2	1.7	1.6	11.1			12.4	6572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

CP 1635 STATION NAME 73-81 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	2.5	2.6			.1	2.8	.4	3.5			3.7	832
	03-05	1.3	2.1				2.1	.6	4.7			5.3	927
	06-08	.7	1.8				1.8	8.4	24.2			31.1	834
	09-11	.5	1.4				1.4	5.1	28.6			33.2	931
	12-14	.8	1.2				1.2	.5	18.2			19.7	825
	15-17	1.9	2.4				2.4		6.3			6.3	830
	18-20	4.3	3.8				3.8		6.7			6.7	832
	21-23	4.0	2.9				2.9		3.6		.1	3.7	832
TOTALS		2.0	2.3			.0	2.3	1.9	12.0		.0	13.6	6643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

051505 ZARAGOZA AB SP 73-81 SEP
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	1.0	1.7				1.7	.2	3.0			3.2	901
	03-05	.9	1.7				1.7	1.4	5.6			6.8	805
	06-08	.6	1.0				1.9	13.8	22.2			34.7	876
	09-11	.6	2.6				2.6	14.2	29.6			42.8	801
	12-14	.5	2.2				2.2	3.5	22.0			25.3	803
	15-17	1.5	2.4			.1	2.5	.6	7.8			8.4	806
	18-20	1.9	2.5				2.5	.6	6.6			7.2	803
	21-23	1.7	2.0				2.0	.2	3.2			3.5	805
TOTALS		1.1	2.1			.0	2.1	4.3	12.5			16.5	6430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

51505
STATION

ZARAGOZA AB SP
STATION NAME

73-81

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02	.1	3.4				3.4	.7	7.4			8.1	828
	03-05		3.6			.1	3.6	3.2	8.5			11.3	824
	06-08	.1	4.1				4.1	12.3	14.3			26.2	827
	09-11		4.2				4.2	17.4	21.4			37.8	833
	12-14	.1	3.4			.1	3.5	6.0	16.4			22.2	827
	15-17	.1	3.1				3.1	2.4	8.5			10.5	828
	18-20	.5	3.6				3.6	1.0	7.3			8.3	833
	21-23		2.8				2.8	.7	7.4			8.0	833
TOTALS		.1	3.5			.0	3.5	5.4	11.4			16.6	6633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1575 2ARAGOZA AB SP 73-81 NCV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NCV	00-02		3.6		.4		4.0	14.6	10.7			25.3	801
	03-05		3.1		.3		3.4	16.1	11.1			27.2	799
	06-08		4.3		.1		4.4	22.2	12.3			34.0	799
	09-11	.1	4.2			.1	4.4	29.0	15.9			44.2	803
	12-14		3.8		.3		4.0	17.8	19.9			37.1	800
	15-17		4.0		.4		4.4	9.6	20.0		.2	29.6	803
	18-20	.2	3.2		.4	.1	3.7	11.1	15.1			25.9	802
	21-23		2.4		.4		2.7	11.8	11.9			23.7	807
TOTALS		.0	3.6		.3	.0	3.9	16.5	14.6		.0	30.9	6414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

AF 16-75
STATION

PARAGOZA AB SP

STATION NAME

73-81

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	0-02		5.1		.1		5.2	18.4	6.5			24.3	831
	3-05		6.4				6.4	16.8	5.5			21.9	825
	06-08		7.6				7.6	20.8	6.7			27.3	827
	09-11	.1	6.2		.4	.1	6.6	29.1	10.3			38.4	828
	12-14		7.5		.4		7.8	22.4	12.8			34.6	829
	15-17		6.5				6.5	17.6	10.8			27.6	837
	18-20		7.7		.1		7.8	15.8	13.4			28.4	828
	21-23		5.5				5.5	14.7	9.6			23.8	832
TOTALS		.0	6.5		.1	.0	6.6	19.5	9.5			28.3	6637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1965 ZARAGOZA AB SP 73-81 ALL
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		5.3		.5	.0	5.7	20.3	13.0		.0	32.7	6635
FEB		.1	6.1	.0	.1	.0	6.2	7.5	13.5		.0	20.7	6029
MAR		.0	5.8		.0	.0	5.8	4.8	14.4		.0	19.7	6588
APR		.4	6.6				6.6	3.1	12.7			15.3	6378
MAY		.6	5.3				5.3	2.6	10.8			13.4	6580
JUN		1.5	4.2			.0	4.2	2.8	11.7			14.0	6337
JUL		1.5	1.7			.0	1.7	1.6	11.1			12.4	6572
AUG		2.0	2.3			.0	2.3	1.9	12.0		.0	13.6	6643
SEP		1.1	2.1			.0	2.1	4.3	12.5			16.5	6430
OCT		.1	3.5			.0	3.5	5.4	11.4			16.6	6633
NOV		.0	3.6		.3	.0	3.9	16.5	14.6		.0	30.9	6414
DEC		.0	6.5		.1	.0	6.6	19.5	9.5			28.3	6630
TOTALS		.6	4.4	.0	.1	.0	4.5	7.5	12.3		.0	19.4	77869

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS** X
ATMOSPHERIC PHENOMENA

01505 ZARAGOZA AB SP

57-67, 79-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.3	34.7	2.2	3.6		36.6	43.3	45.5	.3		57.2	363
FEB		.3	33.2	.3	2.7	.3	34.7	39.3	48.9			56.8	331
MAR		.8	36.8		.8	.3	36.8	23.1	33.8			39.6	364
APR		4.4	33.2			.3	33.0	15.9	26.5			31.6	339
MAY		12.6	34.3			.6	34.3	10.6	17.3			22.9	341
JUN		12.4	24.8			.3	24.8	5.8	13.9			16.4	330
JUL		12.7	16.8			1.1	16.8	2.4	13.2		.3	14.6	377
AUG		12.1	16.8			.3	18.8	5.1	19.6		.5	21.8	372
SEP		15.3	28.6				28.6	22.2	37.2			43.3	367
OCT		2.7	31.5		.3	.3	31.5	35.2	38.2			47.8	372
NOV		.5	35.1		.5		35.1	41.0	38.6			52.7	368
DEC		.5	38.6	.3	2.8		40.6	37.3	31.0			44.4	394
TOTALS		6.0	30.5	.2	.9	.3	31.0	23.4	30.3	.0	.1	37.4	4304

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 0-16-5 PARAGUAY AB SP STATION NAME

57-64, 66-74, 79-81 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	60.8	17.5	4.0	7.0	4.0	4.2	1.7	.8						21.7	526	.76	1.70	TRACE
FEB	62.6	14.2	3.3	7.3	4.0	5.4	2.1	1.0						23.2	479	.87	1.98	.07
MAR	59.4	17.1	3.8	5.1	5.5	4.7	2.5	.9	.9					23.5	527	1.23	4.44	.04
APR	65.9	10.6	3.7	6.1	4.3	3.7	3.1	2.2	.4					23.5	510	1.33	3.74	.01
MAY	61.1	15.2	2.7	7.2	2.8	5.5	3.4	1.7	.4					23.7	527	1.38	3.96	.06
JUN	65.5	11.0	1.5	4.0	3.7	4.6	4.0	2.3	.4					20.4	480	1.40	2.89	.16
JUL	60.1	7.9	2.3	3.8	1.1	3.6	.8	.4						12.1	522	.48	1.25	.00
AUG	78.1	10.3	1.3	3.4	2.1	2.3	1.3	.8	.7		.2			11.6	526	.95	5.48	.04
SEP	71.7	10.7	.9	3.3	2.8	5.2	2.2	2.0	1.1					17.6	540	1.48	5.85	TRACE
OCT	67.7	10.8	2.3	5.9	2.7	5.6	2.7	1.1	1.3					21.5	557	1.46	4.90	.07
NOV	59.9	15.6	5.3	4.4	4.2	5.1	3.6	1.3	.4	.2				24.5	526	1.54	4.10	TRACE
DEC	63.1	14.2	2.3	8.2	4.3	4.7	1.8	1.1	.4					22.8	558	1.00	3.65	.01
ANNUAL	66.6	12.9	2.8	5.5	3.5	4.5	2.4	1.3	.5	.0	.0			20.5	6278	13.88		

USAFETAC FORM 0-15-3 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

001605 PARAGUAY AFB SP

57-64, 66-74, 79-81

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57						*	.20	.09	TRACE	1.45	.10	.01	
58	.99	.05	.19	.12	.24	.29	.13	.14	.36	.29	.15	1.38	1.38
59	.74	.57	1.37	.73	1.50	1.15	.40	.13	.44	.58	2.49	.10	2.49
60	.26	.23	.29	.01	.50	.60	.45	.05	1.72	1.31	.17	.55	1.72
61	.51	.18	.38	1.00	.73	.89	.53	5.20	.96	.51	1.42	.18	5.20
62	.76	.30	.16	.79	.91	.39	.03	.11	1.32	.83	.33	.46	1.32
63	.49	.35	.33	.41	.05	.45	.12	1.03	1.04	.17	.50	.40	1.04
64	.12	.64	.54	.48	.40								
66									.55	1.17			
67	* .12	.19	.03	.35	.08	.13	.24	.13	.22	1.15	.91	.04	1.15
68	.07*	.12	.56	.79	.45	.68	.09	.33	.09	.03	2.76	.11	2.76
69	.21	.57	.44	1.04	.44	.37	.15	.04	.92	1.04	.31	.15	1.04
70	.38	.13	.26	.01	.45	.80	.04	.91	TRACE	1.14	.27	1.56	1.56
71	.30	.21	.41	.35	1.44	.53	.30	.10	.11	.57	.56	.81	1.44
72	.41	.14	.32	.13	.60	.52	.17	.36	1.48	.26	.78	.20	1.48
73	.10*	.15	.06	.41	.61	1.29	.24	.17	.21*	.14	.49	.65	1.29
74	.10	.36	1.33	.61	.77	.11	.88	.98	.76	.29	.23	.04	1.33
79											*TRACE	.18	
80	.09	.75	.64	.29	.89	.58	.24	.69	.33	.32	.95	.75	.95
81	TRACE	.66	.06	1.39	.15	.69	.38*	.27	.79	.19	TRACE	.58	1.39
MEAN	.313	.355	.434	.559	.606	.592	.274	.654	.628	.661	.731	.414	1.746
S D	.272	.225	.388	.391	.428	.327	.218	1.262	.526	.464	.802	.454	1.160
TOTAL OBS	528	479	527	510	527	480	522	526	540	557	526	548	6278

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-60-5 (OLA)

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

57-64, 66-74, 79-81
YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION

ZARAGOZA AB SP

STATION NAME

57-67, 79-81

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	96.1	3.2	.3		.3									.6	310	.2	1.9	.7
FEB	96.8	1.8		.7	.4			.4						1.4	283	.8	4.7	.3
MAR	99.7	1.0													310	TRACE	TRACE	.3
APR	100.0														310	.0	.0	.0
MAY	100.0														310	.0	.0	.0
JUN	100.0														300	.0	.0	.0
JUL	100.0														341	.0	.0	.0
AUG	100.0														340	.0	.0	.0
SEP	100.0														330	.0	.0	.0
OCT	100.0														341	.0	.0	.0
NOV	100.0														346	.0	.0	.0
DEC	97.7	1.6	.3	.5	.3	.3								1.3	372	.6	3.6	.7
ANNUAL	99.1	.6	.7	.1	.1	.0		.0						.3	3883	1.6		

USAF ETAC FORM 0-88-5 (OLA)
JUL 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

031645

ZARAGOZA AB SP

57-67, 79-81

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.03	04-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	97.7	2.8	.3											.3	363			
FEB	98.7	.9	.5			.3								.9	331			
MAR	100.0														364			
APR	100.0														339			
MAY	100.0														341			
JUN	100.0														330			
JUL	100.0														372			
AUG	100.0														371			
SEP	100.0														360			
OCT	100.0														372			
NOV	100.0														369			
DEC	98.7	.5	.8	.5	.3									1.5	395			
ANNUAL	99.4	.3	.1	.0	.3	.3								.2	4307			

(FROM DAILY OBSERVATIONS)

STATION MAPAGOZA AB SP STATION NAME

57-67, 72-6: _____ YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
57													
58													
59													
60		TRACE										TRACE	
61													
62													
63	TRAC												
64													
65													
66													
67	*	*	0*	0*									
68													
69													
70	TRAC												TRAC
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S.D.	.101	1.214	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.000
TOTAL OBS.	36	331	364	339	341	330	372	271	361	372	369	305	43

NOTE * BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

0-1605 PARAGOZA A3 SP
STATION STATION NAME

58-74, 78-81 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
53											NNW*25NNW	40	
59	NNW 45W	38NNW*39				N*37SSW	35NW	26NW	*25N	37N	35NW	40	
60	NNW 45W	39NNW	36NNW	43NW	33W	34NW	40NNW	29W	*49W	35W	35NNW	45	W *49
61	S* 41NW	44SW	29NW	42NW	34W	NNW*32W	37W	34E	42N	43W	48W	35	W 49
62	NNW 42W	43W	36W	41W	34W	41W	28SSW	33W	30W	32W	38W	34	W 43
63	NNW 33W	30W	44W	33W	42W	39W	32N	35W	31W	33W	40W	37	NW 40
64	W 34W	37W	42W	34W	34SE	32WSW	35W	33W	35W	41W	29W	49	NW 49
65	NNW 54W	47W	40W	42W	37SSW	53W	31E	32W	36E	32W	38W	37	W 56
66	NNW 38W	40W	38W	42W	40W	34W	34W	37W	36W	42W	*36W	*48	W *48
67	27/	4425/	4729/	6327/	5632/	4532/	4429/	4132/	4332/	4727/	4329/	4932/	51
68	32/	6027/	4732/	5432/	3932/	5432/	4132/	4932/	3729*	3727/	3932/	4529/	49
69	29/	4529/	4932/	4725/	5129/	4329/	4532/	4127/	5118/	4332/	4534/	5134/	59
70	32/	4332/	5234/	5134/	5129/	4325/	3732/	4529/	4132/	3732/	4734/	4132/	45
71	27/	4327/	4732/	5432/	3732/	4729/	4732/	3532/	35	9/	4332/	3732/	41
72	32/	5232/	5629/	4732/	5434/	4332/	3734/	4532/	4334/	4132/	4332/	4932/	35
73	32/	5134/	5434/	6734/	5132/	4732/	4332/	3532/	4729/	45	5/	4329/	4932/
74	27/	4127/	5229/	5629/	4929/	4127/	4129/	4527/	4732/	3929/	5232/	4732*	47
79											32*	3432/	39
81	32/	4232/	3732/	4433/	5233/	3232/	3132/	3431/	3231/	2833/	4133/	4233/	54
81	32/	4133/	4135/	4034/	3533/	4433/	3534/	3934*	3233/	2833/	3633/	3425/	42
MEAN	44.6	44.4	45.9	44.2	40.9	39.6	37.8	37.4	37.5	39.7	42.1	43.6	53.5
S.D.	6.956	6.905	9.317	7.434	5.825	5.943	5.659	6.919	6.151	5.624	6.495	7.414	6.235
TOTAL OBS.	551	503	554	578	526	526	557	555	521	555	563	674	6523

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (OEA)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

81575
STATION

PARAGOZA AB SP
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	6.0
NNE	.1											.1	2.0
NE	.1	.5										.6	4.2
ENE	.1	.6										.7	4.8
E	1.4	2.7	.5	.4								4.9	5.1
ESE	.6	1.4	1.0	.7								3.7	6.9
SE	.9	2.6	.7	.1	.1							4.4	5.8
SSE	.5	.4										.9	3.7
S	1.1	.4	.1	.1								1.7	4.1
SSW	.4	.4	.1	.1								1.0	5.0
SW	.4	.9	.1		.1							1.5	5.6
WSW	.6	1.8	1.2	.7	.4	.5	.4					5.7	10.8
W	2.5	2.9	5.2	4.1	1.7	1.0						17.3	10.1
WNW	1.0	3.4	6.9	4.7	1.7	.6						18.3	10.5
NW	.4	.9	2.2	5.2	4.5	1.0						14.1	14.5
NNW	.1	.1	.1	.2	.4	.4	.2	.1				1.7	19.3
VARBL	.6	.5	.2									1.4	4.0
CALM												21.9	
	17.7	19.5	18.4	16.3	9.0	3.4	.6	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

814

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ZAPAGOZA AB SP STATION NAME 77-81 YEARS JAN
 MONTH 0300-1500
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				.1								.1	11.0
NE		.5	.2									.5	6.0
ENE	.1	.5	.1									.7	5.0
E	.5	2.4	1.0	.4								4.3	6.6
ESE	1.5	1.8	1.3	.2								4.9	5.7
SE	.4	1.7	.1	.2	.1							2.6	6.1
SSE	.6	.7	.1	.2	.1							1.8	6.0
S	.6	.4										1.0	2.8
SSW		.4										.4	4.0
SW	.2	.5		.1	.1	.2						1.2	10.1
WSW	.9	1.2	.5	.7	.7	.6	.1					4.8	11.2
W	1.7	2.7	5.6	4.6	1.8	.2						16.7	10.1
WNW	1.7	4.3	6.3	4.5	1.2	.2						17.5	9.4
NW	.6	.6	3.3	3.9	4.1	1.3	.1					14.0	14.2
NNW	.4	.1		.2	.7	.1	.1	.1				1.9	16.3
VARBL	.4	.2										.6	3.4
CALM												27.2	
	3.8	17.8	18.6	15.3	9.7	2.8	.4	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

191605 ZARAGOZA AB SP 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
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	.1	.3										.4	3.3
NE	.2		.4									.6	5.9
ENE	.1	.4										.5	4.3
E	.2	3.3	1.5	.5	.2							5.7	7.1
ESE	.8	2.7	.5	.6								4.6	5.7
SE	.8	1.6	.7	.4	.1							3.6	6.6
SSE	.4	.3	.1									1.3	4.2
S	.2	.4	.4									1.0	4.9
SSW	.1	.1										.2	3.0
SW		.7	.2		.2							1.2	6.4
WSW	.8	1.1	1.1	.7	.5	.4	.1					4.7	10.3
W	1.7	2.8	2.9	4.2	1.3	.4	.2					13.5	10.6
WNW	1.3	5.4	6.4	4.2	1.2	.6						19.2	9.2
NW	.6	1.7	2.2	6.2	3.5	1.7	.1	.1				16.1	14.2
NNW	.5	.5	.1	.4	.2	.1						1.8	8.5
VARBL	.4	.6										1.3	3.2
CALM												24.2	
	3.8	22.2	16.4	17.2	7.4	3.1	.5	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 827

0
2

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME PARAGOZA AB SP

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

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	.4	.1	.1								1.0	5.5
NNE			.1									.1	7.0
NE	.7	.2	.7									.7	5.2
ENE	.4	1.1	.1	.2								1.8	5.5
E	1.6	3.3	1.3	.5	.1							6.8	5.7
ESE	1.1	2.9	.6	.7								5.3	6.0
SE	.6	1.6	.7	.2	.1							2.8	5.8
SSE	.1	.4		.7								.7	7.8
S	.1											.1	2.0
SSW	.1	.1	.1									.4	4.7
SW	.4	.4	.7	.2	.5	.1	.1	.1				2.0	14.2
WSW	.2	.4	.5	.8	.2	.2						2.4	12.1
W	1.0	1.6	3.9	5.3	1.8	1.7	.2					14.7	12.0
WNW	.7	2.6	4.8	5.0	1.3	.5	.2					15.2	11.0
NW	2.4	1.7	3.7	6.1	4.4	2.4	.5	.1				20.2	14.1
NNW	1.0	.7	.2	.7	.5	.4						3.5	10.0
VARBL	.7	.1	.1									1.0	3.1
CALM												21.4	
	17.5	16.6	16.4	20.2	9.0	4.5	1.1	.2				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

836

6
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	ZARAGOZA AB SP	73-81	JAN
STATION NAME	ALL WEATHER	YEARS	NORTH
CLASS			1200-1400
CONDITION			HOURLY (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	.5	.5										1.0	3.8
NNE		.2	.1									.4	6.0
NE	.1	.4	.2	.1								.8	6.3
ENE	1.1	1.9	.4									3.4	4.5
E	1.3	4.4	1.9	.4	.4							8.4	6.4
ESE	.6	2.6	2.4	1.1	.1		.1					7.0	7.8
SE	.5	.7	.4	.2	.2	.1						2.2	8.0
SSE	.1											.1	2.0
S													
SSW	.1											.1	3.0
SW			.1	.4	.6	.4						1.4	17.7
WSW	.7	.4	.6	.6	.2	.7						2.8	14.1
W	.6	.8	1.8	4.8	1.4	1.4	.5	.2				11.6	15.0
WNW	.6	.8	2.9	2.9	1.9	.8	.7					10.7	13.9
NW	1.7	1.9	2.9	6.8	6.4	4.0	.8	.2				24.7	15.2
NNW	1.2	2.7	2.4	1.2	1.8	2.8	.8					12.2	14.3
VARBL	1.4											1.4	1.9
CALM												11.8	
	11.1	16.8	16.1	18.5	13.1	10.2	3.0	.5				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

4-6-75 STATION 2ARAGOZA AB SP YEARS 73-81 MONTH JAN
 STATION NAME ALL WEATHER CLASS CONDITION
 1500-1700 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	.1	.5	.2	.1	.1	.2						1.4	10.0
NNE	.1		.2									.4	6.3
NE	.1	.1	.5									.7	6.7
ENE	.7	1.7										1.7	3.6
E	1.8	3.9	1.3	.8	.2							8.1	6.2
ESE	.8	4.5	1.2	.5	.1							7.2	5.9
SE		1.7	.5	.4		.4						2.5	10.0
SSE		.4										.4	6.0
S					.1							.1	20.0
SSW			.1									.1	10.0
SW		.1		.2		.1						.5	14.3
WSW	.2	.6	1.1	1.0	.2	.1	.1					3.4	11.0
W	.2	1.4	1.8	3.5	1.6	.7	.2					9.9	12.7
WNW	.5	2.4	2.4	3.0	2.6	.5	.6					12.0	12.9
NW	1.2	3.1	5.8	5.8	5.8	3.0	1.1	.2				26.0	14.2
NNW	.8	1.9	2.4	2.6	2.3	2.3	1.0	.1				13.7	14.8
VARBL	.4	.4										.7	3.2
CALM												11.2	
	7.1	22.1	17.6	17.9	13.4	7.3	3.0	.4				170.0	10.5

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 19105 STATION NAME ZARAGOZA AB SP YEARS 73-81 MONTH JAN
CLASS ALL WEATHER MONTH 1900-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	8.0
NNE		.1										.1	5.0
NE	.1	.4	.4									.8	6.3
ENE	.5	.8	.2									1.6	4.3
E	1.1	1.9	.5	.7	.1							4.3	6.2
ESE	1.7	2.3	.6	.1	.1							4.8	4.8
SE	.7	1.7	.4	.7		.4						3.9	8.0
SSE	.2	.2										.5	3.0
S	.6	.2										.8	2.6
SSW	.2	.7	.1									1.1	4.2
SW	.4	1.2	.4		.2							2.2	6.2
WSW	1.0	4.3	1.2	.7	.1	.5						7.8	7.2
W	2.2	5.8	5.4	3.9	1.0	.8		.1				19.1	9.3
WNW	.7	3.7	4.6	5.1	1.0	.7	.2					16.0	10.7
NW	.2	2.2	3.7	7.0	2.6	2.0	.2	.1				18.2	13.9
NNW	.4	.4		1.1	1.6	.6	.4					4.3	16.6
VARBL	.4											.4	2.0
CALM												14.0	
	10.3	26.0	17.6	19.3	6.7	5.1	.8	.2				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

186675
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1	.1								.2	11.0
NNE	.1											.1	2.5
NE	.1	.8										1.0	5.3
ENE	.1	.5	.1									.7	4.3
E	1.0	1.1	.8	.5								3.4	6.4
ESE	1.1	3.2	.8	.4								5.5	5.4
SE	.5	1.1	.7	.6		.4						3.2	9.1
SSE	.6	.4										1.0	2.8
S	.8	.4	.2									1.4	4.0
SSW	.6	.2										.8	2.6
SW	.6	1.2	.2	.1		.2						2.4	7.0
WSW	1.7	3.2	1.7	1.2	.7	.2	.1					7.7	8.3
W	1.9	5.4	5.5	4.6	1.1	.4	.2					19.1	9.3
WNW	1.4	3.4	6.2	5.5	1.1	.6						18.3	10.0
NW	.8	1.1	2.9	6.0	3.8	2.0	.4					17.1	14.6
NNW	.4	.4	.1	.1	.5	.7	.2					2.4	16.1
VARBL	.2	.2										.5	3.5
CALM												15.1	
	11.3	22.6	19.6	19.1	6.7	4.6	1.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

06-575
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.1	.0	.0	.0						.5	7.2
NNE	.1	.1	.1	.0								.2	5.3
NE	.1	.3	.2	.0								.7	5.7
ENE	.4	.8	.1	.0								1.4	4.5
E	1.1	2.0	1.1	.5	.1							5.7	6.2
ESE	1.1	2.7	1.1	.5	.0		.0					5.4	6.1
SE	.5	1.5	.5	.4	.1	.2						3.1	7.3
SSE	.3	.4	.0	.1	.0							.8	4.7
S	.4	.2	.1	.0	.0							.8	4.0
SSW	.2	.2	.1	.0								.5	4.1
SW	.0	.6	.2	.1	.2	.1	.0	.0				1.6	9.8
WSW	.6	1.6	1.0	.8	.3	.4	.1					4.9	9.9
W	1.5	3.0	4.0	4.4	1.5	.7	.2	.0				15.2	10.8
WNW	.9	3.3	5.1	4.4	1.5	.6	.2					15.9	10.7
NW	1.1	1.6	3.3	5.9	4.4	2.2	.4	.1				18.8	14.4
NNW	.6	.8	.7	.8	1.0	.9	.3	.0				5.2	14.5
VARBL	.6	.3	.0									.9	3.1
CALM												18.3	
	9.7	27.5	17.6	18.0	9.3	5.1	1.3	.2				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

6625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

021605
STATION

ZARAGOZA AB SP

73-81

FEB

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

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	.1										.3	3.5
NNE													
NE	.1											.1	2.0
ENE	.1	.8	.1									1.1	4.5
E	1.5	2.7	.8	.3								4.6	5.2
ESE	.7	3.2	1.5	.8								6.2	6.5
SE	.3	1.2	1.1	.1								2.7	6.7
SSE	.5	.3	.3									1.1	4.4
S	.5	.7	.3									1.5	4.5
SSW	.8		.4	.3								1.5	6.7
SW	.4	.4		.5	.1							1.5	8.6
WSW	1.6	2.6	.9	.9	.4	1.1	.1					7.7	9.7
W	1.9	6.2	3.0	4.1	2.7	1.6	.5					20.3	11.1
WNW	.3	3.1	5.7	3.9	1.4	.4						14.7	10.6
NW	.1	1.4	3.7	5.1	3.5	.5	.3					13.9	13.4
NNW	.3	.5	.3	1.1	1.6	1.2	.5	.1				5.7	17.9
VARBL	.4	.5										.9	3.1
CALM												16.4	
	9.7	23.1	17.3	17.2	9.7	4.9	1.5	.1				100.3	8.7

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

021605

ZARAGOZA AB SP

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N						.3						.3	22.0
NNE													
NE		.1	.4									.5	7.5
ENE	.4	.4	.3	.1								1.2	5.4
E	.9	2.7	.9		.1							4.7	5.5
ESE	.5	2.7	1.5	.5	.3							5.5	7.0
SE	.9	1.5	.9	.1								3.5	5.3
SSE	1.2	1.3	.1									2.7	3.6
S	.4	.9	.4									1.7	5.0
SSW	.9	.1	.1									1.2	2.9
SW	.7	1.2	.3	.5	.1	.1						2.9	8.0
WSW	.8	2.9	.8	.8	.4	.3	.5					6.6	9.6
W	.8	5.4	2.7	2.8	2.8	1.6	.4					16.5	11.8
WNW	.9	5.1	6.4	3.5	1.5	.7	.1					17.8	9.9
NW	.5	1.6	2.5	5.6	1.6	1.2	.4					13.5	13.3
NNW	.3	.5	.4	.5	1.1	.9	.5					4.3	17.2
VARBL	.7	.1										.8	2.3
CALM												16.2	
	11.1	26.7	17.4	14.6	7.9	5.1	2.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

746

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605

ZARAGOZA AB SP

73-81

FEB

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

CONDITION

NORTH

0600-0800

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1				.1	.1					.7	11.6
NNE													
NE		.1										.1	4.3
ENE	.4	.7	.4									1.6	4.3
E	1.7	1.8	1.5	.1								5.1	5.2
ESE	1.3	1.8	.9	.5	.3	.1						5.0	7.0
SE	.8	1.8	.8									3.4	5.0
SSE	.8	.9	.3									2.0	4.1
S	.4	.8	.1									1.3	4.3
SSW	.3	.1	.1	.1								.7	5.8
SW	.8	.7	.7	.4	.3	.1						2.9	8.4
WSW	1.2	2.1	1.3	.7	.7	.3						6.2	8.6
W	1.8	5.1	2.4	3.0	2.9	1.6	.3					17.2	11.3
WNW	3.1	3.7	5.8	4.5	1.6	.5	.1					18.3	9.8
NW	.7	1.6	3.2	4.2	2.6	.8	.3					13.3	12.9
NNW	.3	.5	.1	1.1	.9	1.2	.4					4.5	17.3
VARBL	.8	.1										.9	2.7
CALM												16.8	
	13.7	22.2	17.5	14.6	9.2	4.7	1.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1605 ZARAGOZA AB SP 73-81 FEB
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4		.1								.8	5.5
NNE	.3											.3	1.5
NE													
ENE	.3	1.2	.8	.3								2.5	6.7
E	1.7	4.6	2.1	.3								8.7	5.3
ESE	1.3	3.4	1.8	.8	.1							7.9	6.1
SE	.5	1.7	.8	.4	.1							3.6	6.9
SSE	.3	.3	.3	.1								.9	6.4
S		.1	.1									.3	7.0
SSW	.3		.3									.5	5.3
SW		.1	.3	.4	.3	.1						1.2	15.1
WSW	.4	1.3	.7	.8	.4	.4	.1					4.1	10.7
W	.8	2.7	2.2	3.6	1.3	1.2						11.1	12.0
WNW	.3	2.1	3.7	4.3	1.6	1.4	.9					14.4	13.5
NW	.7	1.7	2.5	7.4	4.5	1.3	.3					18.3	14.2
NNW	.9	1.1	1.3	.5	1.6	1.7	.8					7.9	15.4
VARBL	.5	.1										.7	2.8
CALM												17.0	
	8.4	20.6	16.9	19.0	9.9	6.2	2.1					170.0	9.2

TOTAL NUMBER OF OBSERVATIONS 759

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

181635 2ARAGOZA AB SP 73-81 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLAS
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	.5	.5	.4	.4	.3							2.1	8.4
NNE		.5										.3	5.0
NE	.7	.1	.4									.8	6.7
ENE	.3	.5	.4	.5								1.7	8.0
E	1.5	.4	3.4	.7								9.5	6.4
ESE	.4	2.4	3.6	2.6	.1	.4						9.5	9.2
SE	.1	.5	1.3	.7	.1							2.8	9.4
SSE	.1	.1										.3	2.5
S													
SSW		.1										.1	4.0
SW			.1	.1								.3	11.5
WSW	.1	.4	.8	1.1	.9	.4						3.7	13.4
W	.1	.9	2.1	2.9	.7	1.7						8.3	14.3
WNW	.4	1.7	2.1	2.1	2.1	2.4	1.2	.3				12.3	16.2
NW	2.0	3.2	3.7	6.9	3.7	2.3	.5	.1				22.4	13.1
NNW	.8	2.7	2.4	3.3	4.1	2.9	2.3	.3				18.0	16.6
VARBL	1.2	.7		.1								2.0	3.9
CALM												5.8	
	7.8	17.4	27.8	21.5	12.1	10.1	4.0	.7				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 755

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1575	ZARAGOZA AB SP	73-81	FEB
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.4	.4	.3	.4	.4	.1				3.6	12.7
NNE	.1	.1										.3	3.5
NE		.3	.1									.4	5.3
ENE	.3	.3	1.1	.3								1.9	8.1
E	.7	1.1	4.3	.9	.1							9.1	7.5
ESE	.1	2.3	3.7	2.1	.9							9.2	9.9
SE	.4	.9	1.2	.9	.1							3.6	8.5
SSE	.1	.1		.1								.4	6.3
S		.1		.3								.4	9.3
SSW			.1	.1								.3	11.0
SW	.1	.1		.3	.3	.1						.9	14.4
WSW	.1	.4	.9	.8	.7	.5						3.5	13.5
W	.3	.8	3.2	1.6	.4	.5						6.8	11.0
WNW	.3	1.9	1.9	2.0	2.3	2.4	1.1	.1				11.9	16.3
NW	1.2	4.1	4.3	5.9	3.1	2.0	.5	.4				21.4	13.0
NNW	.3	3.3	3.1	5.1	2.9	4.7	1.1	.4				20.8	15.7
VARBL	1.2	.4	.1									1.7	3.1
CALM												4.0	
	6.7	19.0	24.4	20.8	11.1	10.7	3.1	1.1				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 751

0
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

PERIODS	ZARAGOZA AB SP	73-81	FEB
STATION	STATION NAME	YEARS	NORTH
	ALL WEATHER		1800-2000
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.3	.4	.1	.1					1.2	16.3
NNE		.1										.1	6.4
NE	.2	.3										.5	3.5
ENE		.3	.4	.1								.8	8.3
E	.5	1.2	1.2	.7	.4							4.3	8.4
ESE	.8	2.3	1.7	1.2	.1							6.9	7.3
SE	1.1	2.4	2.4	.1	.1							5.3	6.3
SSE	.4	1.3	.3	.1								2.1	5.3
S	.7	.8	.1	.3								1.8	5.0
SSW	.5	.5		.1		.1						1.3	6.0
SW	.7	1.7	.8	.5	.5							4.2	8.3
WSW	1.7	5.7	.5	.8	.4	.1						8.6	6.3
W	1.8	4.5	2.0	1.6	1.1	1.2	.1					12.0	9.5
WNW	1.5	3.7	4.4	2.8	2.5	.8	.9	.3				16.8	11.7
NW	1.2	1.6	3.7	5.2	3.4	1.3	.3	.1				16.1	13.5
NNW	.1	1.1	.5	2.8	1.6	1.8	.9	.1				9.0	17.3
VARBL	.4	.5										.9	3.4
CALM												8.3	
	11.6	27.5	17.0	16.5	10.6	5.5	2.4	.5				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 757

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION CP1605 PARAGOZA AB SP 73-81 FEB
STATION NAME YEARS
CLASS ALL WEATHER
CONDITION

2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1					.1						.3	12.7
NNE													
NE		.1	.1	.1								.4	8.7
ENE	.1	.1	.3									.5	6.8
E	.5	1.3	.8	.7								3.3	6.8
ESE	2.4	1.3	1.6	.9								6.2	5.9
SE	.5	1.6	1.1	.3								3.4	6.4
SSE	.5	.5	.5	.3								1.9	6.1
S	.3	.5	.5		.1							1.5	6.4
SSW	.7	.4	.4	.3								1.7	6.4
SW	.9	1.6	.4	1.1	.1	.1						4.2	7.8
WSW	1.1	5.7	1.3	.7	.4	.4						9.5	7.1
W	2.5	6.0	5.8	3.8	1.7	1.3	.4					19.6	9.9
WNW	.7	2.5	5.6	5.3	1.3	.7	.3					16.3	11.2
NW	.1	1.1	3.6	5.6	4.1	1.9	.1					15.9	14.7
NNW	.1	.3	.3	.4	.7	.9	.5					3.2	18.3
VARBL	.5	.3	.1									.9	4.1
CALM												11.1	
	11.1	23.3	20.4	18.8	8.5	5.4	1.3					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 755

0
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1916 JS	STATION NAME BARAGOZA AB SP	YEARS 73-81	MONTH FEB
ALL WEATHER			ALL
CLASS			HOURS (L & T)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.1	.1	.1	.1	.1	.0				1.1	11.4
NNE	.0	.1										.1	3.7
NE	.1	.1	.1	.0								.4	5.8
ENE	.2	.5	.5	.2								1.4	6.6
E	1.1	2.6	1.9	.4	.1							6.1	6.3
ESE	.9	2.6	2.7	1.2	.2	.1						7.1	7.6
SE	.6	1.4	1.1	.3	.1							3.5	6.7
SSE	.5	.6	.2	.1								1.4	4.8
S	.3	.5	.2	.1	.0							1.1	5.3
SSW	.4	.2	.2	.1		.0						.9	5.8
SW	.4	.7	.3	.5	.2	.1						2.3	9.0
WSW	.9	2.6	.9	.8	.5	.4	.1					6.2	9.1
W	1.3	3.8	2.7	2.9	1.7	1.3	.2					13.9	11.2
WNW	.8	3.1	4.4	3.6	1.8	1.2	.6					15.3	12.1
NW	.8	2.0	3.2	5.7	3.3	1.4	.3	.1				16.9	13.5
NNW	.4	1.2	1.0	1.8	1.8	1.9	.9	.1				9.2	16.5
VARBL	.7	.3	.7	.0								1.1	3.3
CALM												11.9	
	9.8	22.5	19.7	17.9	9.9	6.6	2.2	.3				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 6020

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1955.5 ZARAGOZA AB SP 73-81 MAR
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-2200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1			.2						.5	14.0
NNE				.1								.1	14.0
NE													
ENE	.2	.5	.2									1.0	5.5
E	1.2	1.8	1.2	.1								4.4	5.4
ESE	.7	.7	.6	.1								2.2	5.9
SE	.5	1.1	1.2	.2								3.1	6.6
SSE	1.1	.4	.1									1.6	3.1
S	.7	.2	.2	.1								1.4	4.5
SSW	.4	.1	.1		.4							1.0	9.8
SW	1.1	1.4	.2	.9	.6							4.2	8.4
WSW	2.1	2.5	1.6	2.0	.6							8.8	7.7
W	1.0	4.8	5.2	5.2	1.7	.9						18.7	10.2
WNW	.2	2.7	5.3	4.3	2.0	.6	.1	.1				15.4	11.6
NW	.9	1.1	2.6	5.8	3.6	1.7	.1	.1				15.9	14.4
NNW	.1	.2	.2	1.1	.6	.9	.4					3.6	17.5
VARBL	.5	.1	.1									.7	4.0
CALM												17.4	
	11.0	17.8	19.2	20.0	9.5	4.3	.6	.2				120.0	8.6

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP

73-81

MAP

STATION NAME

YEARS

NORTH

ALL WEATHER

0300-0500

CLASS

HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1					.1						.2	12.0
NNE	.1	.1										.2	3.0
NE													
ENE	.4	.5	.1									1.0	3.9
E	.6	2.1	2.0	.2								4.9	6.4
ESE	.9	1.5	.5	.1								3.0	5.4
SE	1.0	1.4	.5									2.8	4.6
SSE	.6	.6										1.2	3.3
S	1.2	.7	.2									2.2	3.6
SSW	.4	.2		.1								.7	5.2
SW	.4	.9	1.0	.5								2.7	7.6
WSW	2.0	2.8	1.1	1.1		.2						7.3	6.3
W	1.6	4.7	5.1	4.3	2.3	.4						18.4	9.9
WNW	.9	4.1	6.0	4.7	1.2	.9	.1					17.9	10.2
NW	.4	1.4	2.8	7.0	2.5	1.4	.1					15.5	13.7
NNW	.4	.1	.4	.4	.5	1.2	.4					3.3	17.6
VARBL	.5	.1										.6	2.8
CALM												17.9	
	11.3	21.2	19.7	18.5	6.5	4.2	.6					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

191605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-1800
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 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	.1	.1									.5	4.0
NNE		.2										.2	6.0
NE		.1										.1	6.0
ENE	.6	.5										1.1	3.6
E	1.0	1.1	1.0	.2								3.3	5.3
ESE	1.5	1.1	1.2	.1								3.9	5.3
SE	1.3	1.7	.2	.1								3.4	4.5
SSE	1.1	.4	.2		.1							1.8	4.7
S	1.1	.1	.2	.1								1.6	4.2
SSW	.5	.2	.1									.8	4.0
SW	.5	.4	.5	.4	.1		.1					1.9	9.3
WSW	2.1	1.8	1.7	1.6	.1		.2					7.5	7.7
W	1.8	4.2	4.8	4.4	1.1	.4						16.7	9.3
WNW	1.1	4.2	6.4	4.6	1.1	.7						18.2	9.9
NW	1.1	1.2	2.5	5.9	2.5	2.2	.2	.1				15.9	14.1
NNW	.6	.2	.2	.4	.5	.7	.1					2.8	14.4
VARBL													
CALM												20.3	
	14.4	17.7	19.4	17.8	5.6	4.0	.7	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

826

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605 ZARAGOZA AB SP 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAR
MONTH
0900-1100
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	.4	.5	.1									1.0	4.4
NNE	.2	.1										.4	3.0
NE	.4	.5										.9	3.3
ENE	1.1	1.7	.2	.1								2.4	4.2
E	1.5	3.9	1.1	.6								7.1	5.6
ESE	1.5	2.9	1.9	.7								7.1	6.2
SE	.7	.5	.2									1.5	4.9
SSE	.5	.1	.2									.9	4.4
S	.1	.1		.1								.4	6.0
SSW			.2		.1							.4	15.3
SW		.1	.5	.4	.2	.1						1.3	12.7
WSW		.2	.5	.7	.5	.4						2.3	14.1
W	.7	1.1	3.0	3.9	1.8	1.0						11.6	12.6
WNW	.4	1.2	3.3	4.4	2.2	1.3	.1					12.9	13.2
NW	1.3	2.7	4.4	7.2	4.9	2.4	.1					23.0	13.4
NNW	1.2	1.5	1.2	2.1	3.4	2.8	.4					12.5	15.5
VARBL	.6	.1										.7	2.3
CALM												13.8	
	10.6	16.6	16.6	20.7	13.2	8.0	.6					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

191605
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLS (L.S.T.)

COAST

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	1.0	.5	.6	.2						3.7	10.7
NNE	.5	.1	.1									.7	3.7
NE	.2	.2										.5	3.3
ENE	.5	1.1	.5									2.1	4.8
E	1.1	2.9	3.3	1.1								8.4	7.5
ESE	.7	1.3	3.1	2.2	.1							7.5	9.4
SE	.2	.4	.6	.2								1.5	7.7
SSE		.1	.2									.4	8.0
S													
SSW	.1	.1	.1	.1	.1							.6	9.6
SW	.1	.2	.2	.4	.1							1.1	9.3
WSW	.1	.2	.2	1.0	.7	.1						2.4	13.7
W	.2	1.6	2.2	3.1	1.2	1.5						9.3	12.6
WNW	.7	1.3	2.0	2.9	1.8	3.3	.7					12.9	15.9
NW	.4	2.7	3.8	6.6	4.3	2.7	.5	.1				21.1	14.2
NNW	.6	2.3	2.6	5.6	3.5	5.3	1.3					21.3	16.5
VARBL	1.6	1.1										2.7	3.1
CALM												4.4	
	7.3	16.6	20.0	23.7	12.6	12.6	2.6	.1				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

1605 ZARAGOZA AB SP 73-81 MAR
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1500-1700
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	.4	1.7	.5	1.2	.6	.7	.5	.1				5.7	13.6
NNE													
NE	.2	.1										.4	3.0
ENE	.1	.7	.2	.1								1.2	5.7
E	.6	2.5	3.4	1.3								7.9	7.7
ESE	.2	2.9	3.2	1.6	.2							8.1	8.4
SE	.2	.7	1.5	.5	.1							3.0	8.5
SSE	.2	.1		.2								.6	7.0
S			.1									.1	8.0
SSW		.4	.4	.4	.2							1.3	10.8
SW	.1		.1	.6	.1	.1						1.1	14.3
WSW	.1	.1	.4	.8	.4	.4						2.2	14.4
W	.4	1.3	2.4	1.5	.7	.2						6.6	10.4
WNW	.2	1.8	1.3	3.3	1.8	2.4	.8	.4				12.1	16.5
NW	.5	1.7	5.9	4.2	3.4	3.3	.6	.1				19.8	14.7
NNW	.5	1.7	4.0	4.1	3.6	5.1	1.8	.4				21.2	17.1
VARB	2.4	1.3	.2									4.0	3.6
CALM												4.6	
	6.3	17.2	23.7	19.9	11.3	12.3	3.8	1.0				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081505
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.4	.5	.4	.2	.2					2.7	12.4
NNE	.1	.1										.2	3.0
NE	.1											.1	2.0
ENE		1.1	.1									1.1	5.0
E	.6	1.8	1.3	.5								4.3	6.5
ESE	1.3	2.2	2.4	1.3								7.3	7.4
SE	.6	1.9	.7	.4	.1							3.8	6.5
SSE	1.2	.7	.4	.1	.1							2.6	5.0
S	.9	.9		.2								1.9	4.4
SSW	.6	.4		.2								1.2	5.1
SW	.1	.6	.9	.9		.1						2.6	9.5
WSW	1.2	3.3	1.1	.9	.5	.1						6.9	7.2
W	1.1	4.0	2.4	2.7	.4	.4						10.9	8.6
WNW	.7	2.7	2.9	2.2	1.5	1.7	.1	.1				11.9	12.7
NW	.9	2.9	3.5	4.6	3.6	2.4	.4	.1				18.5	13.7
NNW	.2	2.2	2.6	2.8	3.9	3.5	1.5	.1				16.3	16.4
VARBL	.5	.1	.1	.1								.9	5.1
CALM												6.9	
	17.7	25.3	18.7	17.4	10.4	8.0	2.2	.4				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

SURFACE WINDS

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

DATE 15 STATION ZAPAGOZA AB SP YEARS 73-81 MAP NORTH
STATION NAME CLASS ALL WEATHER
CONDITION 2100-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1	.1								.4	8.3
NNE		.1										.1	4.0
NE		.1										.1	4.0
ENE	.1	.1	.1									.4	4.7
E	.6	1.5	.7	.2								3.7	5.9
ESE	.2	.9	1.2	.7								3.0	8.2
SE	.6	1.8	1.6									4.0	6.1
SSE	.9	.4	.5									1.7	4.3
S	1.0	1.6	.5	.1								3.2	4.5
SSW	.2	.6	.7	.2								1.8	7.4
SW	.6	2.8	1.3	.9	.1	.1						5.8	7.4
WSW	1.8	5.8	2.3	1.8	.5	.1	.1					12.5	7.4
W	1.2	5.0	3.9	4.4	1.0	1.1						16.6	10.1
WNW	.2	2.4	5.5	3.4	.9	1.7	.4					14.5	11.9
NW	.2	1.8	2.1	5.8	5.1	2.7	.4					18.1	15.4
NNW	.4	.1	.5	.6	1.3	.9	.1	.1	.1			4.1	18.1
VARBL	.2	.5										.7	3.7
CALM												9.7	
	8.5	25.6	21.1	18.4	8.9	6.6	1.0	.1	.1			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/HAC

SURFACE WINDS

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

061605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
SOURCE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.3	.3	.2	.2	.1	.0				1.3	11.6
NNE	.1	.1	.1	.0								.3	4.3
NE	.1	.1										.3	3.4
ENE	.4	.7	.2	.0								1.3	4.6
E	.9	2.2	1.8	.5								5.4	6.4
ESE	.8	1.7	1.8	.9	.0							5.2	7.3
SE	.7	1.2	.8	.2	.0							2.9	6.1
SSE	.7	.4	.2	.0	.0							1.3	4.5
S	.6	.5	.2	.1								1.3	4.4
SSW	.3	.3	.2	.2	.1							1.0	7.9
SW	.4	.8	.6	.6	.2	.1	.0					2.6	8.9
WSW	1.2	2.1	1.1	1.2	.4	.2	.0					6.2	8.2
W	1.0	3.3	3.6	3.7	1.3	.7						13.6	10.3
WNW	.6	2.6	4.1	3.7	1.6	1.6	.3	.1				14.5	12.4
NW	.7	1.9	3.5	5.9	3.7	2.3	.3	.1				18.5	14.2
NNW	.5	1.1	1.5	2.1	2.2	2.5	.7	.1	.0			10.7	16.6
VARBL	.8	.4	.1	.0								1.3	3.5
CALM												11.9	
	10.0	19.7	19.8	19.5	9.7	7.5	1.5	.2	.0			170.0	9.8

TOTAL NUMBER OF OBSERVATIONS

6554

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

81605 ZAPAGOZA AB SP 73-81 APR
STATION MONTH
0000-1200
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3		.1	.4								.8	9.0
NNE		.3										.3	5.0
NE	.3											.3	2.5
ENE	.4	.1	.1	.3								.9	6.4
E	1.4	1.5	1.0	.8								4.7	6.4
ESE	1.3	1.6	1.5	1.3	.3							6.0	8.0
SE	.4	1.3	.4									2.0	5.3
SSE	.4	.5										.9	3.3
S	.3	.3	.3									.8	5.2
SSW	.1	.1	.5	.3								1.0	8.8
SW	.3	.5	.5	.4	.3							1.9	9.2
WSW	.6	1.1	.5	.6	.1							3.0	7.3
W	.9	4.8	3.3	4.2	1.9	2.2	.1					17.4	11.6
WNW	1.3	3.6	6.7	4.2	1.5	.8	.1					18.1	10.3
NW	.5	.3	5.2	11.5	5.7	1.6						24.9	14.1
NNW		.5	.6	3.8	1.9	.4		.1				7.4	15.1
VARBL			.1									.1	8.0
CALM												9.6	
	8.2	16.5	20.9	27.7	11.7	4.9	.3	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

20605

ZARAGOZA AB SP

73-81

APR

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

0300-0500

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	3.0
NNE													
NE													
ENE	.4	.3	.4		.1							1.2	6.7
E	.9	1.3	1.2	.6								4.0	6.2
ESE	1.4	2.1	1.3	.5	.3	.1						5.7	6.6
SE	.3	.8	.1	.1								1.3	5.1
SSE	.8	.3										1.0	2.9
S	.4	.8		.1								1.3	4.9
SSW	.3	.1	.3	.4								1.0	8.0
SW	.4	.5	.1	.3								1.3	6.1
WSW	.6	1.7	1.4	.8								4.5	7.1
W	1.7	4.0	3.9	4.5	1.4	.6						16.1	10.2
WNW	2.1	5.7	6.5	4.6	1.8	1.0	.1					21.8	9.9
NW	.5	1.2	6.7	8.3	4.8	.6	.1	.1				22.3	13.2
NNW	.3	.4	1.3	3.0	.9	.4						6.2	13.3
VARBL	.3											.3	2.0
CALM												11.9	
	10.3	19.0	23.1	23.2	9.3	2.8	.3	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

775

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1605 ZARAGOZA AB SP 73-81 APP 0600-0800
STATION NAME YEARS MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1				.1							.3	10.5
NNE	.1											.1	2.0
NE			.1									.1	8.0
ENE	.4	.5										.9	3.3
E	1.0	.9	.8	.4								3.0	6.7
ESE	1.5	2.3	1.5	.6	.1							6.1	6.2
SE	.5	1.1	.6									2.3	5.1
SSE	.9	.1										1.0	2.4
S	.1	.1	.3	.1								.6	7.6
SSW	.3	.3	.3	.1	.1							1.0	8.4
SW	.4	.5	.3	.3								1.4	6.2
WSW	.5	.8	.6	.8	.1							2.8	8.5
W	1.5	3.7	2.3	4.5	1.6	.8	.1					14.5	10.9
WNW	2.0	4.5	9.0	5.3	1.4	2.7	.5					24.7	10.8
NW	1.0	1.5	5.7	9.6	4.4	.8						23.0	12.8
NNW	.6	.3	.8	1.5	1.0	.5						4.7	13.3
VARIABLE													
CALM												13.6	
	11.0	16.5	22.1	23.2	9.0	4.7	.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

81505
STATION

LARAGOZA AB SP
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	.4	.5	.1	.3	.1					3.6	9.2
NNE		.1										.1	6.3
NE	.3	.3		.1								.5	5.3
ENE	.5	.1	.1	.1								.9	5.1
E	1.4	1.4	2.4	.8	.3	.1						6.8	7.3
ESE	.3	2.7	1.5	1.8	.1							5.7	8.5
SE	.1	.5	.4	.3	.3							1.5	9.6
SSE		.1	.3	.3								.6	10.0
S	.3	.3	.1									.6	5.0
SSW				.3								.3	13.0
SW			.1			.1						.3	17.5
WSW		.3	.1	.3		.1	.1	.1				1.0	16.3
W	.3	.5	1.3	2.3	2.3	.9	.3					7.7	15.2
WNW	.1	2.5	2.6	2.0	2.6	2.1	1.3	.1	.1			13.7	15.7
NW	.4	3.8	6.2	8.7	7.8	2.1	.3	.1				29.3	13.8
NNW	1.0	2.0	2.8	6.3	4.2	2.6	.5					19.4	14.6
VARBL	1.1	.3										1.4	2.5
CALM												6.5	
	6.2	16.5	19.2	23.5	17.6	8.4	2.5	.4	.1			170.0	12.1

TOTAL NUMBER OF OBSERVATIONS

795

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

316.5
STATION

CARAGOZA AB SP
STATION NAME

73-81
YEARS

APP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	.6	.8	.5	.3						3.7	13.3
NNE	.4	.8										1.1	4.3
NE		.2			.1							.4	9.7
ENE	.6			.1	.3							1.0	8.1
E	.6	2.5	2.0	2.0	.4							7.6	8.6
ESE	.4	1.1	1.5	1.6	.6							5.3	13.0
SE	.7	.3	.8	.4	.1							1.8	8.9
SSE				.4								.4	15.0
S		.1	.3									.4	8.0
SSW				.1								.1	12.0
SW		.1	.3	.1								.5	10.0
WSW				.4		.3						.6	19.2
W	.1	.6	.6	1.1	1.1	1.5	.1					5.3	16.2
WNW	.7	1.6	.8	2.4	3.0	2.9	1.5	.3				12.8	16.2
NW	.5	2.9	2.8	6.7	5.9	2.4	1.0	.1	.1			22.5	15.3
NNW	.9	4.2	4.7	6.3	7.3	3.4	.5	.1				27.4	14.4
VARBL	3.0	2.4	.1									5.6	3.3
CALM												3.5	
	7.5	18.1	14.4	22.5	19.5	10.7	3.2	.5	.1			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

791

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

071505
STATION

ZAPAGOZA AB SP
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	1.0	.6	.5	.4						4.1	10.3
NNE	.1	.1										.3	4.5
NE		.9										.3	4.3
ENE	.1	.4	.4		.1	.3						1.3	11.1
E	.8	3.1	1.8	1.8	.6	.3						8.4	9.2
ESE	.4	.9	1.7	2.6	.5							6.1	10.6
SE	.1	.5	.3	.8								1.7	9.2
SSE	.1	.4		.3								.8	7.8
S		.1	.3	.1		.1						.6	12.2
SSW		.1	.1									.3	7.0
SW		.1	.4	.1		.1	.1					.9	13.9
WSW	.1	.4	.3	.3	.3							1.4	9.5
W	.1	1.7	.9	2.2	1.0	1.3						6.6	14.1
WNW	.6	.9	1.3	2.3	1.9	2.2	.8	.1				10.2	16.4
NW	.5	1.8	2.2	6.2	5.9	4.6	1.0	.4		.1		22.8	17.1
NNW	1.2	2.3	4.5	6.8	7.5	3.0	.6	.4				26.3	15.1
VARBL	1.9	3.1	.4									5.4	3.9
CALM												2.2	
	6.8	17.1	15.5	24.1	18.4	12.2	2.6	.9		.1		100.0	13.3

TOTAL NUMBER OF OBSERVATIONS

776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 5 LARAGOZA AB SP YEARS 73-81 APP MONTH 1800-2000
STATION NAME ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6	.3	.3	.4	.1					3.5	9.6
NNE	.1	.1	.1									.4	5.3
NE	.1	.2	.1									.4	4.3
ENE	.4	.4	.1	.1	.3							1.3	8.3
E	.6	.9	1.1	.8	.6							4.0	9.2
ESE	.5	2.4	1.6	1.4	.9							6.8	9.5
SE	.8	2.1	1.4	.6	.1							5.7	6.9
SSE	.3	.3	.1	.1								.8	5.8
S	.4	.4	.5	.3								1.5	7.1
SSW		.3	.1	.4								.9	9.8
SW	.1	.5	.1	.1	.1							1.5	7.9
WSW	.6	.8	.6	.4								2.4	6.2
W	1.3	2.1	.9	1.0	1.5	.9	.1					7.8	11.2
WNW	.5	2.4	2.1	3.1	1.8	1.6	.8					12.3	13.9
NW	.4	2.0	4.6	7.0	5.9	2.5	.6					23.4	14.5
NNW	.4	2.3	1.5	7.0	6.4	3.3	.6	.3				21.7	16.2
VARBL	.9	.1		.1								1.1	3.6
CALM												6.5	
	8.3	18.3	15.8	22.7	17.8	8.6	2.3	.3				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

101635 ZARAGOZA AB SP 73-81 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CORDITION
2130-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.1	.2	.4							1.2	10.6
NNE													
NE			.1									.1	10.0
ENE	.1	.4				.1						.6	8.0
E	1.5	.7	.9	1.2	.1							4.5	7.1
ESE	.9	1.0	.7	2.0								4.6	8.8
SE	.7	2.0	.6	.6								4.0	5.8
SSE	.5	1.7	.4	.1								2.0	5.6
S	.1	.7	.2									1.1	4.8
SSW	.2	.4	.5	.2								1.4	7.2
SW	.4	1.0	.5	.2			.1					2.2	7.3
WSW	.7	3.7	.6	.9	.1	.1						6.2	6.7
W	1.0	3.1	2.0	2.9	1.9	1.1	.2					12.2	11.8
WNW	.4	3.6	5.4	3.5	2.5	.9	.1					16.3	11.4
NW	.1	2.0	3.9	12.2	6.2	1.4	.2					26.1	14.2
NNW		.6	.6	3.4	1.7	1.4	.1	.1				8.0	16.3
VARBL	.4	.1										.5	3.5
CALM												8.9	
	7.4	20.7	16.6	27.6	13.0	5.0	.9	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

781505

ZARAGOZA AB SP

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.4	.3	.2	.2	.0					2.2	9.8
NNE	.1	.2	.0	.0	.0							.3	4.6
NE	.1	.2	.0	.0	.0							.3	5.5
ENE	.4	.3	.1	.1	.1	.0						1.0	7.3
E	1.0	1.6	1.4	1.0	.3	.0						5.4	7.8
ESE	.8	1.7	1.4	1.5	.3	.0						5.8	8.5
SE	.4	1.1	.6	.3	.1							2.5	6.8
SSE	.4	.3	.1	.1								.9	5.6
S	.2	.3	.2	.1		.0						.9	6.5
SSW	.1	.2	.2	.2	.0							.7	8.5
SW	.2	.4	.3	.2	.0	.0	.0					1.2	8.5
WSW	.4	1.1	.5	.5	.1	.1	.0	.0				2.8	8.0
W	.9	2.5	1.9	2.8	1.6	1.2	.1					10.9	12.0
WNW	.9	3.1	4.3	3.4	2.1	1.7	.6	.1	.0			16.2	12.6
NW	.5	1.9	4.7	8.8	5.8	2.0	.4	.1	.0	.0		24.3	14.3
NNW	.5	1.6	2.1	4.8	3.9	1.9	.3	.1				15.1	15.0
VARBL	.9	.7	.1	.0								1.8	3.5
CALM												7.8	
	8.2	17.8	18.3	24.3	14.5	7.1	1.6	.3	.0	.0		100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

6318

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

JP1605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-2200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4		.1								.7	5.3
NNE	.4	.1										.5	2.5
NE	.1	.6	.6									1.3	6.5
ENE	.2	1.0	.6									1.8	5.7
E	1.1	3.6	1.7	.9								7.2	6.2
ESE	1.1	2.3	2.5	.9								6.7	7.0
SE	1.5	.4	.4									2.2	3.8
SSE	.5	.5										1.0	3.1
S	.2		.1									.4	4.0
SSW	.1	.5	.5		.1							1.2	7.5
SW	.5	.6	.5									1.6	5.0
WSW	1.0	1.7	1.2	1.2								5.2	7.2
W	1.2	4.2	3.4	4.4	2.1	.2						15.6	10.1
WNW	.9	4.7	5.6	4.4	1.3	1.1	.2					18.3	10.6
NW	.5	2.3	5.6	8.3	2.5	.5						19.8	11.9
NNW	.1	.4	.7	.6								1.8	9.6
VARBL	.6											.6	2.2
CALM												14.0	
	10.3	23.2	23.6	20.9	6.0	1.8	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

815

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

SURFACE WINDS

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

061615

ZAPAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.1	.1										.2	3.0
NE	.1	.1	.1									.4	4.7
ENE	.1	.9	.6									1.6	6.2
E	1.2	2.0	1.0	.2								4.5	5.3
ESE	.9	3.0	2.5	1.0								7.3	6.9
SE	.9	1.7	.2	.1								3.0	4.5
SSE	.7	.6										1.4	3.5
S	.5		.2	.1								.9	5.7
SSW	.6	.2	.5	.2								1.6	6.6
SW	.2	.5	.1	.1								1.0	6.0
WSW	1.0	2.7	.2	.7								4.0	5.8
W	1.7	3.0	5.0	5.5	.4	.1						15.7	9.3
WNW	1.5	5.9	7.5	4.4	1.5	.6						21.3	9.1
NW	.2	2.4	6.5	6.7	1.2	.5	.2					17.8	11.5
NNW	.1		.1	.9	.2		.1					1.5	14.3
VARBL	.2											.2	2.0
CALM												17.4	
	10.5	22.4	24.7	20.0	3.4	1.2	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

873

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.1								.1	16.0
NNE	.1											.1	2.0
NE	.4	.2	.1									.7	4.5
ENE	.7	1.2	.7									2.7	5.1
E	1.1	2.6	1.0									4.7	5.0
ESE	.7	3.7	1.2	.6								6.3	6.0
SE	1.2	1.0	.9	.4								3.4	5.5
SSE	.2	.1	.4									.7	5.7
S	.4	.1	.1	.1								.7	4.8
SSW	.2	.5	.1		.1	.1						1.1	7.7
SW	.2	.2										.5	3.5
WSW	.5	1.1	.5	.6		.1						2.8	7.2
W	1.8	3.3	4.0	3.9	.7	.2	.1					14.2	9.4
WNW	2.1	5.6	6.4	4.4	1.3	.6						20.5	9.1
NW	.9	3.4	5.8	6.3	2.1	.6						19.0	11.0
NNW	.2	.6	.2	1.3	.9	.4						3.7	13.2
VARBL	.1	.1										.2	3.0
CALM												18.4	
	11.0	23.9	21.5	17.8	5.2	2.1	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

SURFACE WINDS

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

CR1605

ZARAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

MOUSE (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			.1		.1						1.2	5.9
NNE	.5	.1										.6	2.6
NE	.2	.5	.2									1.0	5.4
ENE	1.2	1.7	1.4	.4								4.7	5.6
E	1.5	4.6	2.8	1.1	.1							10.1	6.6
ESE	.5	1.8	1.8	1.6	.1							5.9	8.4
SE	.2	.6	1.1	.2								2.2	7.3
SSE	.2	.1	.1	.1								.6	6.6
S		.1										.1	6.0
SSW					.2							.2	18.7
SW		.2	.2	.4	.1	.1						1.1	11.9
WSW		.2	.4	.6								1.2	10.9
W	.2	.9	1.2	3.5	1.0	.6						7.4	12.8
WNW	.6	1.5	2.1	5.2	2.6	1.2						13.2	13.5
NW	.9	3.7	5.9	8.0	2.8	.6						21.2	11.8
NNW	1.0	3.5	4.8	6.0	3.0	1.2	.1					19.6	12.0
VARBL	2.1	.9										3.0	2.8
CALM												6.5	
	10.2	19.7	22.2	27.3	10.0	3.9	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081675
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.1	1.0	.6	.7							5.3	8.5
NNE	.4	.6	.1									1.1	4.4
NE	.2	1.1	.5									1.9	5.6
ENE	.7	1.4	1.2	.2								3.6	6.2
E	1.1	3.1	3.2	2.9	.2	.1						15.7	8.6
ESE	.5	1.1	2.6	2.0	.2	.2						6.7	9.9
SE	.1	.2	.7	.5			.1					1.7	10.4
SSE		.6										.6	4.4
S	.2		.2									.5	5.5
SSW		.1	.4	.2								.7	8.8
SW	.1		.4	.2								.7	9.5
WSW		.4	.5	1.1		.1						2.1	11.5
W		.5	1.1	1.9	.6	.2						4.3	12.5
WNW	.9	.7	2.7	4.3	3.0	1.4						13.0	13.5
NW	.1	1.6	2.0	5.1	3.2	.9						12.9	13.5
NNW	.9	2.5	4.8	7.1	5.5	.7	.4					21.8	13.2
VARBL	4.7	5.2	.7	.1								10.8	3.9
CALM												1.7	
	10.5	21.3	22.3	26.3	13.5	3.7	.5					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

GP1505 ZARAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

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	.6	2.1	1.4	2.1	.6		.1					7.0	9.7
NNE	.4	.9										1.2	4.0
NE	.6	1.4	.2	.1								2.4	4.8
ENE	1.0	2.6	1.1	.5								5.2	6.0
E	1.0	3.1	3.5	3.4	.4	.1						11.4	8.9
ESE	.1	2.0	1.9	2.5	.4	.2						7.1	10.2
SE	.1	.6	.6	.6	.2							2.2	9.4
SSE	.1	.5	.4	.1								1.1	7.0
S		.5	.1									.6	6.2
SSW	.1	.1	.5									.7	7.7
SW	.1	.1	.5	.9		.1						1.7	11.6
WSW		.5	.9	.7	.1							2.2	9.8
W	.4	1.0	.7	.2	.6	.2	.1					3.8	10.7
WNW	.2	1.1	2.7	3.5	2.5	1.2						11.3	13.9
NW	.7	2.1	1.6	4.2	2.6	1.4						12.7	13.1
NNW	.4	1.0	5.3	5.2	6.2	1.2	.5					19.9	14.4
VARBL	2.9	3.6	.5		.1							7.1	4.2
CALM												2.6	
	8.8	23.3	22.0	24.1	13.8	4.6	.7					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

CE1615

ZARAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLAS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.7	1.2	.1	.1						5.9	7.9
NNE	.2	.4										.6	3.0
NE	.5	.6	.2									1.4	4.1
ENE	.6	1.7	.6	.6								2.9	6.9
E	1.2	3.7	2.4	1.5	.5	.1						9.4	7.9
ESE	.7	3.0	2.4	1.9	.5							8.4	8.4
SE	1.2	1.5	1.4	.9	.4	.1						5.5	8.7
SSE	.5	.6		.1								1.2	4.5
S	.1	.1	.1	.1								.5	7.0
SSW			.4	.4								.7	10.7
SW	.1	.5	.1	.6								1.4	9.3
WSW	.6	.2	1.1	.2								2.2	7.3
W	.5	1.4	1.0	2.2	.7	.2						6.1	11.3
WNW	.7	1.1	1.4	2.9	2.0	1.5	.2					9.8	14.1
NW	.7	3.5	3.1	4.3	3.2	1.1						16.0	12.2
NNW	.7	1.9	3.7	6.6	3.0	1.5	.2					17.6	13.2
VARBL	1.1	.7	.4									2.2	4.1
CALM												8.2	
	10.9	21.8	20.0	23.5	10.4	4.7	.5					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

191535
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.2	3.5
NNE				.1								.1	14.0
NE	.4	.2	.5									1.1	5.8
ENE	.4	.5	.4	.4	.1							1.8	7.4
E	1.3	2.0	2.8	1.8	.1							8.1	7.9
ESE	1.1	3.4	2.5	.6	.2							7.8	6.6
SE	.6	1.7	.9	.2								3.4	5.6
SSE	.9	.6	.5									2.0	4.2
S	1.0	.0	.6	.1								2.6	5.1
SSW	.4	.2	.4	.1								1.1	5.6
SW	1.1	.6	.5	.2	.1							2.6	5.8
WSW	2.0	3.4	.6	.7	.1							6.9	5.4
W	1.3	3.6	2.0	4.5	1.8	.1						13.4	10.3
WNW	.9	2.8	5.1	2.0	1.5	1.0						13.2	10.4
NW	.4	1.8	5.8	8.5	2.5	.1	.2	.1				19.4	12.1
NNW	.4	.6	1.1	2.2	.6							4.9	11.2
VARBL	.2	.1										.4	3.3
CALM												11.0	
	12.5	22.7	23.5	21.6	7.1	1.2	.2	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

001605 ZARAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (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	.8	.5	.5	.2	.0	.0					2.5	8.4
NNE	.3	.3	.0	.0								.6	3.8
NE	.3	.6	.3	.0								1.3	5.2
ENE	.6	1.3	.8	.3	.0							3.0	6.1
E	1.2	3.1	2.3	1.5	.2	.0						8.3	7.4
ESE	.7	2.5	2.2	1.4	.2	.1						7.0	7.9
SE	.7	1.1	.8	.4	.1	.0	.0					3.0	6.7
SSE	.4	.5	.2	.0								1.1	4.7
S	.3	.2	.2	.1								.8	5.4
SSW	.2	.2	.3	.1	.1	.0						.9	7.9
SW	.3	.4	.3	.3	.0	.0						1.3	7.9
WSW	.6	1.2	.7	.8	.0	.0						3.3	7.3
W	.9	2.2	2.3	3.3	1.0	.3	.0					10.0	10.3
WNW	1.0	2.9	4.2	3.9	2.0	1.1	.1					15.1	11.3
NW	.6	2.5	4.5	6.4	2.5	.7	.1	.0				17.4	12.0
NNW	.5	1.3	2.6	3.7	2.4	.6	.2					11.3	13.0
VARBL	1.5	1.3	.2	.0	.0							3.1	3.8
CALM												10.0	
	19.6	22.3	22.5	22.7	8.7	2.9	.4	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

6477

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

181605 ZARAGOZA AB SP 73-81 JUN NORTH
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1			.1							.3	11.0
NNE				.1								.1	11.0
NE		.1	.1									.3	8.0
ENE	.1	.4	.4									.9	6.7
E	.2	2.6	2.2	.3								5.6	6.5
ESE	.8	1.6	.5	.4								3.2	5.1
SE	.6	.8	.5	.4								2.3	5.9
SSE	.1	.1	.3									.5	5.0
S	.5	.6										1.2	3.2
SSW	.1	.3		.1								.5	6.3
SW	.3	.5			.1							.9	6.1
WSW	1.4	1.9	.3	.3								3.9	4.8
W	1.6	3.4	2.7	4.4	2.1	1.2						15.3	11.2
WNW	.8	4.7	7.1	8.0	2.3	.4	.1					23.4	10.7
NW	.4	2.1	5.0	7.9	4.4	.4						20.2	12.7
NNW	.2	.6	.6	2.2	1.7	.6						6.1	14.3
VARBL	.8	.3	.4									1.4	4.6
CALM												14.0	
	9.3	20.1	20.2	24.1	10.7	2.6	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 773

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

31675
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				.1								.1	12.0
NE													
ENE		.1										.1	4.0
E	.5	2.2	1.2	.1								4.0	5.8
ESE	.7	1.7	.7									2.3	5.1
SE		.5	.5									1.3	6.2
SSE	.4	.4										.8	3.3
S	1.2	.7	.1									2.0	3.3
SSW	.7	.1										.8	2.7
SW	.5	.9		.3								1.7	5.4
WSW	2.1	2.0	.3	.3								4.6	4.5
W	3.1	4.6	3.0	5.1	.9	.1						16.8	8.6
WNW	.5	5.1	7.7	5.1	2.0	.3	.3					20.8	10.3
NW	.9	4.4	6.4	9.0	2.5	.3	.1					23.5	10.9
NNW		.3	.4	2.7	.9	.5						4.8	14.5
VARBL	.9	.5										1.4	2.7
CALM												15.0	
	11.4	23.0	20.2	22.6	6.2	1.2	.4					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

769

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1575
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.3	.3	.1	.1								.8	6.7
NNE													
NE	.3	.1										.4	2.3
ENE		.3										.3	5.0
E	2.2	2.2	1.0	.1								5.4	4.6
ESE	1.3	1.0	.9	.1								3.3	5.0
SE	.4	.6	.4	.1								1.5	5.4
SSE	.8		.3									1.0	3.9
S	.4	.1		.1								.6	4.8
SSW	.4	.1										.5	2.8
SW	.8	.3										1.0	2.8
WSW	.9	1.1	.3	.3								2.5	5.0
W	1.4	3.3	3.4	2.4	.5							11.0	8.2
WNW	1.1	4.9	7.2	6.3	1.9	.4						21.9	10.1
NW	.3	5.2	9.1	8.0	3.0	.1	.1					25.9	10.7
NNW	.1	1.1	2.2	3.4	1.0							7.9	11.5
VARBL	.9	.3										1.1	2.6
CALM												14.8	
	11.3	20.9	24.8	21.0	6.5	.5	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

789

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.7	.8	.8								3.7	7.1
NNE	.3											.3	2.5
NE		.5										.5	4.5
ENE	.6	1.7	.9	.1								2.7	6.7
E	1.0	2.5	1.5	.8								5.8	6.2
ESE	.3	1.5	1.9	.5								4.2	7.4
SE	.5	.6	.4	.4								1.9	6.7
SSE		.1	.1									.3	5.5
S													
SSW													
SW			.1									.1	9.0
WSW		.1	.8	.3	.1							1.3	10.2
W	.1	1.1	1.4	1.6	.8	.3	.1					5.4	12.0
WNW	.6	2.9	2.1	4.4	2.1	.9						13.1	12.1
NW	.3	3.7	6.7	8.1	4.9	1.0						24.6	12.4
NNW	.6	3.5	7.3	7.6	3.3	.5						22.9	11.4
VARBL	5.1	2.5	.1									7.7	3.2
CALM												5.7	
	9.5	22.2	24.1	24.5	11.2	2.7	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

01605 ZARAGOZA AB SP 73-81 JUN

STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400

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	2.4	1.5	.8	.6							6.2	7.8
NNE	.5	.6	.1									1.3	3.9
NE	.5	.3	.4									1.1	4.3
ENE	.4	1.9	.5	.1								2.9	5.5
E	.5	3.2	3.8	1.5								9.0	7.8
ESE		1.5	2.0	.9	.1	.1						4.7	8.9
SE	.3	.1	.3	.5								1.1	8.3
SSE		.1										.1	4.0
S		.1										.1	4.0
SSW		.1	.1									.3	6.0
SW	.1	.3		.1	.1							.6	9.4
WSW		.1	.8	.3								1.1	9.7
W	.1	1.7	1.4	.8	.4	.4	.1					4.2	11.5
WNW	.3	1.4	1.9	3.2	1.8	.9						9.4	13.0
NW	.5	1.0	3.6	5.8	1.8	1.1						14.7	12.4
NNW	.8	3.4	6.2	7.6	4.9	.9						23.9	12.2
VARBL	4.1	8.8	3.3	.4								16.5	5.2
CALM												2.7	
	8.9	27.3	25.9	22.0	9.8	3.4	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605 ZARAGOZA AB SP 73-81 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
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	.8	2.7	2.4	1.6	.3	.1						7.8	8.5
NNE	.5	1.0										1.6	3.4
NE	.5	.8										1.3	3.7
ENE	.8	1.9	1.7	.5	.1							4.3	6.7
E	1.0	4.6	1.9	1.8								9.2	6.9
ESE	.3	1.9	1.1	2.0	.1	.3						5.7	9.9
SE		.5	.5	.5								1.5	9.4
SSE	.1	.3	.4	.1								.9	8.0
S	.3	.1	.3	.3			.1					1.0	10.4
SSW			.3	.1								.4	10.7
SW					.1							.1	18.0
WSW		.3	.3	.6								1.1	9.8
W		.8	.5	1.6	.8	.4						4.0	13.7
WNW	.5	1.3	1.9	3.4	2.4	.6	.1					10.2	13.1
NW	.1	1.4	2.4	4.4	2.7	.9	.1					12.0	13.8
NNW	.4	3.5	5.9	6.7	6.2	1.8						24.5	13.1
VARBL	1.9	5.7	3.7	.4								11.6	5.8
CALM												2.5	
	7.2	26.5	22.5	24.1	12.6	4.0	.4					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605

ZAPAGOZA AB SP

73-81

JUN

STATION

STATION NAME

YEARS

MOUTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	1.6	.5	.4							4.9	7.9
NNE	.6	.4	.1	.1								1.3	4.6
NE	.5	.6										1.1	3.3
ENE	.6	1.9	.4									2.9	4.9
E	1.4	1.9	1.3	1.4	.1							6.1	7.7
ESE	.6	1.6	1.6	2.2	.1	.4						6.6	9.9
SE	.1	1.1	1.1	.1								2.5	6.8
SSE		1.3	.9	.3								2.4	7.1
S	.1	.1	.5	.1	.1							1.2	9.1
SSW			.1			.1						.3	16.0
SW		.4	.4	.5	.1	.1						1.5	11.8
WSW		.9	.4	.5								1.8	8.6
W	.3	1.1	1.1	2.7	.4	.4						6.0	11.4
WNW	.5	.3	1.8	3.5	1.3	1.1	.1					8.6	13.9
NW	.5	3.5	3.4	6.5	3.5	1.5						19.0	12.8
NNW	.6	2.3	5.2	8.4	4.9	2.7						23.4	13.5
VARBL	1.9	2.3	.8	.3								5.2	4.9
CALM												5.3	
	8.2	21.8	20.8	27.0	11.0	5.7	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

789

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

081505

ZARAGOZA AB SP

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

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	.3	.3	.1								.9	6.4
NNE	.1	.1	.1									.4	5.3
NE	.1											.1	2.0
ENE	.1	.3	.3									.6	6.4
E	1.1	1.8	.9	1.0	.1							5.0	7.3
ESE	.5	1.9	2.3	.8	.1	.1						5.7	7.8
SE	.8	1.1	.5	.4								2.8	6.1
SSE	.9	.6										1.5	3.3
S	.5	1.1										1.7	3.9
SSW	.1	.6	.3									1.3	4.9
SW	.5	1.4	.5									2.4	4.5
WSW	.9	3.7	.3									4.8	4.1
W	1.5	2.4	2.8	2.8	1.0	.5						11.1	10.0
WNW	.5	4.3	4.1	5.0	2.8	.9	.3					17.9	11.6
NW	.5	3.1	4.7	9.7	4.1	.9	.3					23.2	12.7
NNW	.4	1.0	1.9	2.3	2.4	.9						8.9	13.4
VARBL	1.1	.4	.8									2.3	4.7
CALM												9.6	
	10.1	24.2	19.6	22.1	10.6	3.3	.5					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

784

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

1605	ZARAGOZA AB SP	73-81	JUN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			ALL
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	1.2	.8	.5	.2	.0						3.1	7.9
NNE	.3	.3	.0	.0								.6	4.3
NE	.2	.3	.1									.6	3.9
ENE	.3	1.0	.4	.1	.7							1.8	5.9
E	1.0	2.6	1.7	.9	.0							6.3	6.7
ESE	.5	1.5	1.4	.9	.1	.1						4.5	8.0
SE	.3	.7	.5	.3								1.9	6.7
SSE	.3	.4	.2	.0								.9	5.4
S	.4	.4	.1	.1	.0		.0					.9	5.3
SSW	.2	.2	.1	.0		.0						.5	5.8
SW	.3	.5	.1	.1	.1	.0						1.1	6.6
WSW	.7	1.3	.4	.3	.0							2.6	5.8
W	1.0	2.2	2.0	2.7	.8	.4	.0					9.2	10.2
WNW	.6	3.1	4.2	4.9	2.1	.7	.1					15.6	11.4
NW	.4	3.2	5.2	7.4	3.4	.8	.1					20.4	12.1
NNW	.4	2.0	3.7	5.1	3.2	.9						15.4	12.7
VARBL	2.1	2.6	1.1	.1								5.9	4.8
CALM												8.7	
	9.4	23.3	22.3	23.4	9.8	2.9	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 6275

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

061605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		.1								.7	6.2
NNE		.2										.2	4.5
NE		.1										.1	4.0
ENE	.1	.6	.5	.1								1.4	6.7
E	1.4	2.3	2.5									6.2	5.8
ESE	.6	2.8	1.2	.2		.1						5.0	6.4
SE		.4	.6									1.0	6.5
SSE		.2										.2	4.0
S	.2	.2										.5	4.0
SSW	.2		.2									.5	.5
SW		.4	.4	.2								1.0	8.0
WSW	.6	.4	.1	.4	.4							1.8	9.1
W	.4	2.3	4.1	3.8	1.7	.4						12.7	11.3
WNW	.4	2.7	7.9	8.6	3.1	1.7	.1					24.5	12.4
NW	.2	2.1	6.8	14.3	6.2	1.4						30.9	13.5
NNW	.1	.4	1.1	3.2	.9	.2						5.9	13.5
VARBL	.1	.4										.5	4.0
CALM												6.9	
	4.4	16.2	25.3	31.0	12.2	3.8	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

061635

ZARAGOZA AB SP

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

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		.1								.3	7.5
NNE	.1		.1									.3	6.0
NE	.3											.3	2.5
ENE		.5										.5	5.0
E	.4	1.5	1.1									3.0	5.3
ESE	.6	2.3	.9	.3								4.5	5.6
SE	.1	1.0	.6	.6								2.4	7.7
SSE	.4	.1	.1									.6	4.0
S	.5	.1										.6	3.0
SSW	.3											.3	1.5
SW	.1	.4	.1									.6	4.4
WSW	.9	.1	.1	.3	.3							1.5	7.5
W	2.3	4.6	3.9	7.8	1.6	.3						20.4	10.0
WNW	.4	5.8	10.1	7.1	1.6	1.1						26.1	10.4
NW	.5	.3	5.8	12.8	4.3	.5						24.0	13.3
NNW	.3	.4	1.5	3.4	.6							6.1	11.9
VARBL	.4	.3										.6	3.0
CALM												8.5	
	7.3	17.4	24.4	32.3	8.4	1.9						170.0	9.5

TOTAL NUMBER OF OBSERVATIONS

800

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

091605

ZARAGOZA AB SP

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

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	.1										.2	4.0
NNE	.1											.1	2.0
NE	.2	.1										.4	3.0
ENE	.4	.4	.1									.9	3.7
E	1.3	1.8	.5									3.7	4.6
ESE	.6	1.1	.9	.2								2.8	6.1
SE	.2	1.0	.2	.5								2.0	7.3
SSE	.5	.5										1.0	3.1
S	.2	.1										.4	2.7
SSW	.2											.2	2.5
SW	.4											.4	2.3
WSW	.2	.5		.2								1.0	6.1
W	1.1	2.7	4.1	5.5	.5	.1						14.0	9.9
WNW	.2	5.0	10.2	8.5	1.7	.9						26.8	10.6
NW	.4	2.0	7.0	11.7	3.9	.2						25.1	12.4
NNW	.1	1.0	1.0	5.1	1.0	.4						8.5	12.9
VARBL		.4										.4	4.0
CALM												12.2	
	6.5	16.8	24.0	31.8	7.1	1.6						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

FR1505
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

CLASS

2900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.6	.5	.1	.1						3.7	7.7
NNE	.9	.2										1.1	2.8
NE	.1	.7										.9	4.1
ENE	.7	1.3										2.1	4.1
E	.5	3.9	3.3	.4								8.3	6.6
ESE	.4	1.3	2.6	.5								4.8	7.7
SE	.1		.4	.4								.9	10.4
SSE			.1									.1	10.0
S	.2											.2	2.0
SSW		.1										.1	4.0
SW					.1							.1	18.0
WSW					.2							.2	18.0
W		.6	.7	.9		.1						2.3	10.3
WNW	.2	2.2	3.5	6.0	2.3	1.1						15.4	12.7
NW	1.2	2.9	6.5	17.2	4.1	1.1	.1					26.2	12.2
NNW	1.0	3.0	5.5	9.6	6.2	.5	.2	.2				26.3	13.3
VARBL	2.0	1.1	.2									3.3	3.6
CALM												4.9	
	8.0	18.5	23.4	28.4	13.2	2.9	.4	.2				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM 1971 OBSERVATIONS)

121605
STATION

PARAGOZA AB SP

73-81

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.P.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.4	1.7	.4	.7							5.6	8.3
NNE	.1	.7	.1		.1							1.1	6.8
NE	.5	1.8	.1									2.4	4.4
ENE	.4	7.2	1.3									4.9	5.6
E	.9	4.0	4.8	2.4	.1							12.2	7.9
ESE	.1	.7	1.5	1.3								3.7	9.7
SE		.1	.1	.1								.4	9.3
SSE													
S													
SSW			.1									.1	8.0
SW				.1								.1	16.0
WSW		.5		.2	.2	.2						1.0	15.6
W	.1	.2	.2	.4	.1							1.1	10.0
WNW	.7	.6	2.1	2.8	1.7	1.1						9.0	13.1
NW	.5	2.5	2.8	5.9	1.8	1.2	.2					15.0	12.3
NNW	1.0	3.2	7.0	12.2	4.4	2.1	.5	.1				30.4	13.1
VARBL	2.3	5.7	1.6	.2								9.9	5.0
CALM												3.2	
	7.0	25.6	23.4	26.1	9.3	4.6	.7	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

820

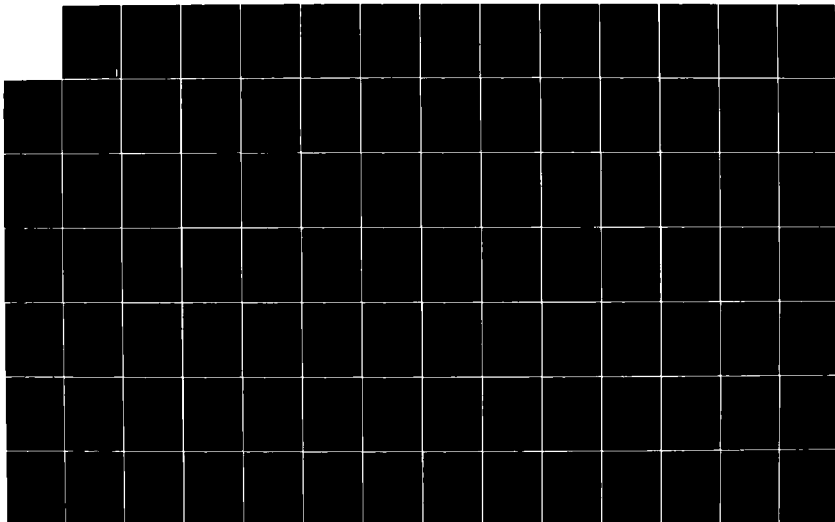
AD-A138 281

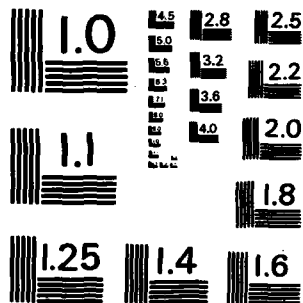
ZARAGOZA AIR BASE SPAIN REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. . 09 DEC 83
USAFETAC/DS-83/051 SBI-AD-E850 504 F/G 4/2

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UNCLASSIFIED

NL





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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

JUL

MONTH

ALL WEATHER

1500-1700

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	1.9	1.2	1.5	.6	.6	.2					6.8	11.0
NNE	.6	.8	.2									1.7	4.5
NE	.5	.8	.2									1.7	4.4
ENE	.4	3.0	1.5	.1								5.0	6.0
E	.2	5.0	5.9	2.7	.1							14.0	8.3
ESE	.6	1.1	2.1	.8	.1							4.7	8.2
SE	.4	.2	.7	.2	.2							1.8	8.9
SSE		.1		.2								.4	10.0
S		.1	.1	.1								.4	8.7
SSW	.2			.1								.4	7.0
SW				.1								.1	14.0
WSW				.1								.1	12.0
W	.1	.1	.2	.7								1.2	10.6
WNW	.1	.5	2.4	2.4	1.5	1.2	.4					8.5	14.7
NW	.5	1.7	2.5	4.2	2.4	1.5						12.9	13.4
NNW		3.5	5.0	10.7	5.6	2.1	.6					27.4	13.9
VARBL	2.5	5.2	3.0	.7								11.5	5.7
CALM												1.5	
	7.0	24.3	25.2	24.9	10.6	5.3	1.2					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

CR1605

ZARAGOZA AB SP

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	1.0	1.5	1.0	.2						7.3	9.8
NNE	.5	.1										.6	2.6
NE	.4	.7	.2									1.3	4.3
ENE	.5	1.2	.2									1.9	4.6
E	1.0	4.4	2.7	2.5								10.5	7.8
ESE	1.0	1.3	2.1	1.9	.5							6.8	9.2
SE	.4	.8	.2	.8	.4							2.7	9.0
SSE	.1	.4	.1	.6								1.2	8.7
S	.1	.1	.2	.2								.7	7.8
SSW	.1		.1	.1								.4	8.3
SW			.2	.6								.8	12.1
WSW		.2	.2	.4	.1	.1						1.1	12.8
W	.6	.4	.5	.5	.1	.1						2.2	8.8
WNW		2.4	2.7	3.8	2.3	1.3	.6	.1				13.2	13.9
NW	.2	2.8	2.9	4.0	3.9	1.7						15.5	13.4
NNW	.4	2.1	3.4	9.9	5.8	2.7	.1	.1				24.5	14.5
VARBL	1.2	1.8	.4									3.4	4.4
CALM												5.9	
	7.1	20.7	18.2	26.9	14.0	6.2	.7	.2				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1			.1							.5	7.3
NNE		.1	.1									.2	7.0
NE	.1				.1							.2	10.0
ENE		.5	.4									.8	6.0
E	.4	1.7	1.9	.5								4.5	7.3
ESE	.5	1.8	2.9	1.3	.1							6.7	8.2
SE	.5	1.7	1.5	.4								4.0	7.0
SSE	.4	.8	.4	.4								1.9	6.8
S	.7	.4	.1									1.2	3.6
SSW	.4	.7	.1									1.2	4.7
SW	.4	1.5	.4	.1	.1	.1						2.5	7.3
WSW	.6	1.3	.7	.2	.1	.1						3.2	7.1
W	.5	2.3	1.8	2.2	1.2	.6						8.6	10.9
WNW	.9	2.4	4.4	5.9	2.8	1.2	.1					17.7	12.2
NW	.6	1.5	5.9	10.4	6.2	1.9		.1				26.7	14.0
NNW	.4	1.2	2.3	5.3	2.4	1.1	.1					12.9	13.8
VARBL		.5	.1									.6	5.6
CALM												6.4	
	6.4	18.6	23.1	26.8	13.2	5.1	.2	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

181535

ZARAGOZA AB SP

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.7	.5	.3	.1	.0					3.1	9.3
NNE	.2	.3	.1		.0							.7	4.5
NE	.3	.5	.1		.0							.9	4.4
ENE	.3	1.3	.5	.0								2.2	5.4
E	.7	3.1	2.8	1.1	.7							7.8	7.2
ESE	.5	1.6	1.8	.8	.1	.0						4.8	7.8
SE	.2	.7	.5	.4	.1							1.9	8.0
SSE	.2	.3	.1	.2								.7	6.4
S	.3	.1	.1	.0								.5	4.6
SSW	.2	.1	.1	.0								.4	5.2
SW	.1	.3	.1	.2	.0	.0						.7	8.1
WSW	.3	.4	.2	.2	.2	.1						1.2	9.2
W	.6	1.6	1.9	2.7	.7	.2						7.8	10.4
WNW	.4	2.7	5.4	5.6	2.1	1.2	.2	.0				17.6	12.0
NW	.5	2.7	5.0	9.2	4.1	1.2	.0	.0				22.0	13.1
NNW	.4	1.8	3.3	7.5	3.4	1.1	.2	.1				17.8	13.5
VARBL	1.1	1.9	.7	.1								3.8	5.0
CALM												6.2	
	6.7	19.8	23.4	28.5	11.0	3.9	.4	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

6547

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

091505

ZARAGOZA AB SP

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0200

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5		.2	.1							.8	9.4
NNE	.1	.2										.4	4.7
NE		.5										.5	5.8
ENE	.2	.7	.1									1.1	4.6
E	.5	4.1	2.5	.5								7.7	6.4
ESE	.8	2.5	3.7	.8	.1							8.1	7.2
SE	.2	1.7	.6	.4	.1							3.0	6.4
SSE	.2	.5	.1	.1								1.0	5.3
S	.5	.2	.2	.1								1.2	5.0
SSW	.1	.1		.1								.4	7.3
SW	.2	.2										.5	3.8
WSW	1.2	.8	.6									2.6	4.7
W	1.1	2.4	3.0	4.4	3.0	1.6						15.5	12.7
WNW	.4	3.7	3.8	7.2	3.4	1.8	.1					20.4	12.7
NW	.1	1.4	6.1	17.8	3.0	1.6	.2					23.3	13.3
NNW	.1	.5	1.3	2.0	.5	.4	.1					4.9	12.7
VARBL	.6	.2		.1								1.0	3.9
CALM												7.7	
	6.7	27.4	22.2	26.9	10.2	5.3	.5					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

SURFACE WINDS

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

091605

ZARAGOZA AB SP

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

CONDITION

0300-0500

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.3
NNE													
NE													
ENE		.5	.2									.7	7.0
E	1.2	3.3	.5	.2								5.2	5.0
ESE	.9	4.0	1.2	.1								6.2	5.5
SE	.9	1.9	.5		.1							3.4	5.4
SSE	1.1	.5										1.6	2.9
S	.9	.5		.1								1.5	3.8
SSW	.2	.1		.2								.6	6.8
SW		.4	.1	.1								.6	6.8
WSW	.5	1.7	.4	.6								3.2	6.6
W	1.1	4.6	5.1	6.3	1.6	.6						19.3	10.5
WNW	.6	4.7	7.2	4.4	1.9	1.1						20.0	10.6
NW	.4	3.2	7.7	7.7	4.0	.5						23.4	11.7
NNW	.1	.1	1.1	1.3		.1						2.8	11.3
VARBL	.4	.4										.7	3.7
CALM												10.5	
	8.5	25.9	24.0	21.2	7.7	2.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

73-81
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.2	3.5
NNE	.1											.1	3.0
NE	.5	.5										1.5	3.8
ENE	.5	.6										1.1	3.3
E	1.0	2.9	.6									4.6	4.7
ESE	1.6	2.9	1.1		.1							5.6	5.0
SE	.2	1.3	.4									1.9	4.9
SSE	.4	.1										.5	2.8
S	.4	.1										.5	3.0
SSW	.1	.2										.4	3.3
SW	.4	.7		.4								1.4	6.2
WSW	1.2	.7	.1	.1								2.2	4.0
W	1.4	4.6	4.7	7.3	1.0	.2						19.2	10.0
WNW	1.0	6.0	7.0	6.4	1.3	.5		.1				22.2	9.9
NW	.7	3.6	7.1	7.5	1.7							20.6	10.4
NNW	.2	.4	1.0	1.9	.2	.1						3.8	11.1
VARBL	.2	.1										.4	3.0
CALM												14.4	
	10.0	24.9	21.9	23.6	4.3	.8		.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

791605 ZAPAGOZA AB SP 73-81 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
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	.6	1.1	.7	.4	.1	.1						3.0	7.4
NNE	.2		.1									.4	4.7
NE	.2	.5										.7	3.3
ENE	1.1	1.2	.6									2.9	4.6
E	1.3	5.7	5.4	.5								12.9	6.3
ESE	.4	2.7	2.2	.8								5.4	7.4
SE		.5	.6	.2								1.3	8.4
SSE	.1	.2	.4									.7	6.2
S	.1											.1	3.0
SSW			.1									.1	8.0
SW	.1											.1	2.0
WSW	.1											.1	3.0
W	.1	1.2	1.3	2.2	.2							5.1	10.5
WNW	.2	2.2	3.7	6.4	1.9	2.0	.1					16.6	13.4
NW	.6	3.5	7.1	6.6	2.6	.6	.4					21.4	11.6
NNW	.7	4.5	5.2	7.3	2.8	.7						21.2	11.0
VARBL	3.2	.8	.2									4.3	3.1
CALM												3.6	
	9.3	23.3	27.7	24.4	7.7	3.5	.5					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

091605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	3.4	1.6	.5	.1	.1	.1					6.5	6.9
NNE	.7	1.1										1.8	3.5
NE	.7	1.2	.1									2.1	4.1
ENE	.2	4.1	2.5	.2								7.2	6.5
E	.8	5.7	8.1	3.3								17.2	8.0
ESE	.2	1.5	1.8	.6	.1							4.2	8.0
SE	.1	.2	.6	.4	.1							1.5	9.3
SSE	.1											.1	2.0
S	.1											.1	3.3
SSW													
SW													
WSW	.1		.1	.1								.4	8.0
W		.4	.8	1.3		.1						2.7	11.0
WNW	.7	1.5	2.3	2.3	1.8	2.2	.7					11.5	14.9
NW	.4	1.9	2.7	5.2	2.8	.6						13.6	12.4
NNW	.7	3.2	7.4	6.1	2.2	1.1	.2					20.8	11.4
VARBL	2.9	4.6	1.2	.4								9.1	4.5
CALM												1.2	
	9.7	28.0	29.3	20.4	7.2	4.1	1.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

181605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.4	1.4	.7	.1							6.9	6.5
NNE	.8	.7										1.6	3.2
NE	.4	1.4	.4									2.2	4.9
ENE	.6	4.3	1.1	.1								6.2	5.7
E	1.7	7.1	9.0	2.3	.2							20.4	7.6
ESE	.2	1.2	3.4	1.4	.2							6.5	9.1
SE	.1	1.1	.7	.8								2.8	8.2
SSE		.2	.4	.1								.7	9.0
S			.1									.1	8.0
SSW					.1							.1	18.0
SW	.1	.1		.2	.1							.6	11.0
WSW			.1									.1	9.0
W		.5	.1	1.0	.5							2.1	12.8
WNW	.2	.6	2.8	1.8	1.3	2.2	.7	.1				9.8	16.2
NW	.2	1.7	1.4	4.1	1.7	.6	.1					9.9	13.0
NNW	.2	3.4	6.2	5.4	4.3	2.7						22.2	13.1
VARBL	1.7	2.9	1.1	.4								6.0	5.1
CALM												1.9	
	7.6	28.7	28.2	18.5	8.7	5.4	.8	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

SURFACE WINDS

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

061605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	1.1	.2	.2							2.9	7.9
NNE	.4	.1										.5	2.3
NE	.6	.6	.1									1.3	3.7
ENE	1.3	1.9	.1	.2								3.6	4.7
E	.8	4.8	2.9	1.6								10.1	7.0
ESE	.7	2.3	3.4	2.9	.2	.1						9.6	9.0
SE	.4	1.4	1.6	1.8	.2							5.4	9.5
SSE	.5	.6	.7	.5	.1							2.4	8.0
S	.1	1.1	.7	.2	.2							2.4	6.3
SSW		.4	.1	.1								.6	7.2
SW	.2	.1	.1	.1	.1							.7	7.8
WSW	.1		.2									.4	6.7
W	.2	.5	.8	1.2	.5	.1	.1					3.5	11.9
WNW	.5	1.4	2.9	2.5	1.3	2.0	.5					11.2	14.1
NW	.4	1.8	4.3	7.8	1.9	.6						16.8	12.0
NNW	.4	3.5	4.1	6.5	3.4	1.9						19.7	12.9
VARBL	1.0	.6	.6	.1								2.3	5.1
CALM												6.6	
	7.9	22.1	23.8	25.8	8.3	4.8	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

91635
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.2									.5	6.7
NNE	.2	.2	.1									.6	4.4
NE													
ENE	.2	.2	.6	.1								1.2	7.1
E	.1	4.1	2.2	1.1								7.5	7.1
ESE	.4	2.9	4.1	2.0	.1							9.5	8.5
SE	.4	2.4	1.0	.4								4.1	6.3
SSE	1.0	.6	.5									2.0	4.4
S	.5	1.7	.2	.1								2.5	4.9
SSW	.2	.5	.1	.1								1.0	5.1
SW	.6	1.2	.1									1.9	4.2
WSW	.4	2.8	.7	.1	.1							4.1	5.6
W	.5	3.1	2.3	4.1	.6	.7						11.3	10.8
WNW	.4	1.5	4.4	5.3	3.1	1.4	.1					17.3	12.7
NW		2.3	6.0	8.9	3.7	1.1						22.0	12.6
NNW		.4	1.6	3.2	1.6	.6						7.3	14.1
VARBL	.4	.5	.1									1.0	4.0
CALM												6.2	
	5.3	25.5	24.3	25.5	9.3	3.8	.1					170.0	9.6

TOTAL NUMBER OF OBSERVATIONS

832

1
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)161635
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

AUG

MONTH

ALL WEATHER

CLASS

ALL

NOV9 (L.B.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	.6	.3	.1	.7	.0					2.7	6.9
NNE	.3	.3	.0									.7	3.5
NE	.3	.6	.1									1.0	4.3
ENE	.5	1.7	.7	.1								3.0	5.6
E	.9	4.6	3.9	1.2	.0							10.7	7.0
ESE	.6	2.4	2.6	1.1	.1	.0						6.9	7.6
SE	.3	1.3	.7	.5	.1							2.9	7.3
SSE	.4	.3	.3	.1	.0							1.1	5.6
S	.3	.5	.2	.1	.0							1.1	5.6
SSW	.1	.2	.0	.1	.0							.4	6.5
SW	.2	.3	.0	.1	.0							.7	6.0
WSW	.5	.8	.3	.1	.0							1.6	5.5
W	.6	2.2	2.3	3.5	.9	.4	.0					9.8	11.0
WNW	.5	2.8	4.3	4.5	2.0	1.7	.3	.0				16.1	12.6
NW	.3	2.4	5.3	7.3	2.7	.7	.1					18.9	12.1
NNW	.3	2.7	3.5	4.2	1.9	.9	.7					12.9	12.2
VARBL	1.3	1.3	.4	.1								3.1	4.4
CALM												6.5	
	8.0	24.9	25.2	23.3	7.9	3.8	.5	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

6635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	10.0
NNE		.1	.1									.3	6.0
NE		.5										.5	4.5
ENE	.5	.4	.1									1.0	4.3
E	1.3	4.1	2.1	.3								7.8	5.7
ESE	1.4	4.6	2.5	.8								9.5	6.1
SE	.6	2.4	.8									3.8	4.7
SSE	.3	.4										.6	4.0
S	.8	.1	.4									1.3	4.1
SSW	.5	.4	.3									1.1	3.8
SW	.3	1.0										1.3	4.4
WSW	1.4	2.4	.6	1.1								5.5	6.5
W	.9	3.0	2.9	4.6	2.9	3.1						17.4	13.5
WNW	1.3	3.5	4.4	5.8	1.0	.6						16.5	10.4
NW	.3	1.5	5.8	4.4	1.0	.1						13.0	10.5
NNW	.1	.5	.5	1.0	.1							2.3	10.2
VARBL	.5	.1										.6	2.4
CALM												17.6	
	9.9	25.3	20.5	17.9	5.0	3.9						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

19605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	2.0
NNE	.2											.2	3.0
NE	.1											.1	2.7
ENE	.1	.2	.1									.5	5.5
E	.3	3.7	.4									3.1	4.2
ESE	1.9	2.7	1.2	.2								6.1	4.9
SE	1.9	1.7	.4	.1								4.1	4.2
SSE	.5	.4										.9	3.3
S	1.2	.6	.2									2.1	3.6
SSW	.5	.7	.1	.1		.1						1.6	6.1
SW	.9	1.7	.2	.1								3.0	4.4
WSW	1.4	2.4	.6	1.1								5.1	6.7
W	1.6	4.9	3.4	5.3	2.5	1.5						19.2	11.1
WNW	.7	4.2	6.6	3.0	.5	1.1						16.2	9.5
NW	.6	3.4	4.2	4.0	.6	.1						12.9	9.3
NNW	.2	.6	.6	.5								2.0	7.9
VARBL	.6	.5										1.1	3.3
CALM												18.5	
	14.4	27.9	18.2	14.6	3.6	2.9						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

CR 1555
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4		.1									.5	4.0
NNE	.1											.1	2.7
NE													
ENE	.2	.1										.4	3.0
E	2.1	2.4	.4									4.9	3.9
ESE	1.9	2.4	1.0	.1								5.4	4.7
SE	1.0	.9	.4	.2								2.5	5.2
SSE	1.0	.6										1.6	3.3
S	.7	.1		.1	.1							1.1	5.2
SSW	.7	.2	.1		.1							1.2	5.3
SW	.6	.7										1.4	3.5
WSW	1.5	1.4	.6	.7	.1							4.4	6.3
W	2.4	5.5	4.4	6.6	1.6	.6						21.0	9.8
WNW	1.0	5.0	4.2	3.0	.9	.4	.1					14.6	9.2
NW	.5	3.4	4.5	2.0	.5	.6	.1					11.6	9.6
NNW	.4	.7	1.1	.6	.1	.1						3.1	9.2
VARBL	.6	.2										.9	2.9
CALM												25.4	
	15.2	23.7	16.8	13.4	3.5	1.7	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 853

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

PR1505 ZARAGOZA AB SP

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

3900-1100

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0		.1								1.8	4.2
NNE	.4											.4	2.7
NE	.1	.3										.4	3.7
ENE	1.1	1.4	.1									2.6	3.6
E	2.1	6.9	3.9	.1								13.0	5.5
ESE	1.0	1.8	3.0	1.8								7.5	7.9
SE	.3	.8	.9	.3								2.1	7.0
SSE	.3											.3	2.5
S	.1	.1										.3	3.5
SSW													
SW				.1								.1	12.0
WSW		.3		.1								.4	7.7
W	.4	2.1	1.6	4.4	2.3	.5	.3					11.5	13.1
WNW	.4	1.6	4.3	3.3	2.0	1.1	.1					12.8	12.5
NW	.9	2.6	5.4	4.4	2.8	.6	.3	.1				17.0	11.6
NNW	1.8	4.6	3.4	3.5	1.8	1.0		.1				16.1	10.2
VARBL	2.0	1.0	.3									3.3	3.2
CALM												10.5	
	11.6	24.2	22.8	18.0	8.8	3.3	.6	.3				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

021605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.6	.4	.2							3.7	6.3
NNE	.6	.6		.1								1.4	4.1
NE	.5	.7	.2									1.5	4.1
ENE	.9	3.5	1.1	.2								5.7	5.5
E	1.4	4.7	7.0	1.7								14.8	7.4
ESE	.1	1.4	3.0	1.6	.1							6.2	9.1
SE	.2	.4	.2	.1	.1							1.1	8.1
SSE	.1	.1	.1									.4	5.3
S		.1										.1	6.0
SSW		.1										.1	6.0
SW		.2	.2									.5	7.0
WSW		.2	.2	.1	.1							.7	10.0
W	.2	1.2	.9	2.4	1.0	.4	.1					6.2	12.9
WNW	.6	2.9	2.1	3.2	2.1	1.7	.1					12.8	12.9
NW	.7	2.7	3.6	2.7	1.1	1.2	.5					12.7	11.6
NNW	1.0	2.4	4.6	6.2	2.4	.7	.5					17.8	12.1
VARBL	3.5	4.7	.9	.2	.1							9.5	4.6
CALM												4.5	
	11.0	27.7	24.9	19.2	7.4	4.1	1.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

061605
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

SEP

MONTH

ALL WEATHER

1500-1700

HOUS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.1	1.7	.9	.9	.5	.2						4.3	10.1
NNE	.7	.7										1.5	3.3
NE	.9	.9										1.7	3.4
ENE	.9	4.1	1.4	.1								6.5	5.3
E	1.7	8.2	5.0	1.1								16.0	6.3
ESE	.4	2.1	3.1	1.2	.4	.4						7.6	9.0
SE	.1	.6	.9	.7	.1	.2						2.7	10.1
SSE	.2	.1	.1	.1								.6	6.0
S	.1	.1	.1	.1								.5	7.3
SSW					.1							.1	20.0
SW		.1					.1					.2	17.0
WSW		.1	.5	.5	.1							1.2	10.7
W	.2	1.1	1.7	1.9	.9	.1						6.0	11.3
WNW	.2	1.2	2.4	3.7	2.0	1.2	.6					11.4	14.5
NW	.6	1.9	2.7	2.7	.6	.6	.5					9.7	11.7
NNW	.5	2.7	3.9	5.2	2.7	.7	.5					15.5	12.9
VARBL	3.4	4.2	1.6	.1	.1							9.4	4.7
CALM												4.8	
	10.2	29.3	24.2	18.5	7.6	3.6	1.7					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081505

ZARAGOZA AB SP

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLS (L.P.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.6	.6	.7	.1	.1						3.7	7.3
NNE	.1	.1	.1									.4	5.0
NE		.1										.1	4.0
ENE	.9	.6	.1									1.6	3.5
E	2.7	5.1	1.2									8.4	4.8
ESE	1.2	3.7	3.7	1.2	.4							9.6	7.7
SE	.7	3.1	1.5	.9	.5							6.7	7.5
SSE	.7	1.0	.5	.1		.1						2.5	6.2
S	.7	1.1	.4	.1								2.4	4.5
SSW	.4	.2										.6	3.0
SW	.2	1.1	.4	.2	.2							2.2	7.7
WSW	.6	2.5	.4	.2								3.7	5.2
W	.6	2.6	3.1	2.0	1.0	.4	.1					9.9	10.0
WNW	.7	1.6	2.1	1.7	1.0	1.5	.2					8.5	12.0
NW	1.1	3.6	3.5	3.6	1.4	.7	.2	.1				14.3	10.9
NNW	.5	2.6	3.2	2.6	2.2							11.2	10.6
VARBL	.1	.2										.4	4.3
CALM												13.7	
	12.3	29.4	20.9	13.6	6.9	2.4	.6	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	10.0
NNE	.1											.1	2.0
NE													
ENE	.2	.5		.1								.9	5.6
E	2.1	3.2	1.4	.6								7.2	5.6
ESE	1.0	3.5	5.4	.5	.1							10.1	6.9
SE	.2	1.2	.9	.4	.2							3.0	7.8
SSE	1.1	1.0	.4									2.5	4.1
S	1.0	1.1	.1	.1	.2							2.6	5.8
SSW	.4	1.1	.7									2.2	5.3
SW	1.0	3.2	.4	.1	.1							4.8	4.9
WSW	1.5	4.8	.9	.7								8.0	5.7
W	1.2	5.1	2.9	2.5	4.2	1.2						17.1	11.5
WNW	.5	4.3	3.7	2.9	1.1	.6	.1					13.3	10.0
NW	.1	1.7	3.9	5.7	1.2	.5						13.2	11.8
NNW	.4	.6	.7	1.4	.2							3.4	9.8
VARBL	.2	.1										.4	2.7
CALM												11.2	
	11.1	31.7	21.0	15.0	7.6	2.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605 ZARAGOZA AB SP 73-81 SEP
STATION STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.3	.3	.1	.1						1.8	7.4
NNE	.3	.2	.0	.0								.5	3.7
NE	.2	.3	.1									.5	3.8
ENE	.6	1.4	.4	.1								2.4	4.9
E	1.8	4.8	2.7	.5								9.8	5.8
ESE	1.1	2.7	2.8	.9	.1	.7						7.7	7.1
SE	.6	1.4	.7	.3	.1							3.3	6.6
SSE	.5	.5	.1	.0		.3						1.2	4.6
S	.6	.4	.2	.1	.0							1.3	4.8
SSW	.3	.4	.2	.0	.0	.0						.9	5.3
SW	.4	1.1	.2	.1	.0		.0					1.7	5.4
WSW	.7	1.8	.5	.6	.0							3.6	6.4
W	1.0	3.2	2.6	3.7	2.0	1.0	.1					13.5	11.5
WNW	.7	3.1	3.7	3.3	1.3	1.0	.2					13.3	11.2
NW	.6	2.6	4.2	3.7	1.2	.6	.2	.0				13.1	10.9
NNW	.6	1.8	2.3	2.6	1.2	.3	.1	.0				8.9	11.2
VARBL	1.4	1.6	.3	.0	.0							3.2	4.3
CALM												13.3	
	12.7	27.4	21.2	16.3	6.3	3.0	.6	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 6420

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

091405

CAPASOZA AB SP

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLAS

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.0
NNE		.1										.1	4.0
NE													
ENE	.4	.6	.5									1.5	5.2
E	1.2	4.0	2.2	.7								8.1	6.2
ESE	1.1	2.1	1.8	1.2								6.2	6.9
SE	1.2	1.5	.6		.1							2.9	5.0
SSE	1.1	1.2	.5	.2								3.0	5.0
S	1.2	.7	.1	.4								2.4	4.9
SSW	.6	.6			.1							1.3	4.9
SW	.7	.8	.6	.2		.1						2.5	6.1
WSW	1.1	1.0	.5	.1								3.4	5.0
W	1.9	5.3	4.2	2.8	2.9	1.6						18.2	10.5
WNW	.4	3.1	3.9	4.1	1.1	.7	.1					13.4	10.8
NW	.6	2.1	4.2	6.9	2.5	.2						16.6	11.7
NNW		.1	.6	1.2	.1							2.1	11.6
VARB	.4											.4	2.0
CALM												16.7	
	12.2	23.7	19.7	17.9	6.9	2.7	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081505
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0300-0500

TIME (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	2.0
NNE		.1										.1	4.0
NE	.2	.4										.6	4.0
ENE		1.2										1.2	5.4
E	1.6	4.4	1.5	.5								7.9	5.3
ESE	.8	4.4	1.6	.6								7.4	5.9
SE	.8	2.2	.2	.1								3.4	4.4
SSE	1.3	1.2	.1									2.7	3.5
S	.7	1.0		.6								2.3	6.1
SSW	.4	.2	.1									.7	4.3
SW	.8	.2	.5									1.6	4.3
WSW	.8	1.7	.2	.2								3.0	5.1
W	1.5	4.5	3.2	2.5	2.1	1.2	.1					15.0	10.6
WNW	.6	4.2	4.9	4.5	.8	1.0	.2					16.3	10.4
NW	.5	2.1	4.9	6.1	1.2	.2						14.9	11.1
NNW	.2	.5	.5	.8	.4	.2						2.7	11.7
VARBL	.1											.1	3.0
CALM												19.8	
	10.8	28.3	17.6	16.0	4.5	2.7	.4					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION
151575

STATION NAME
ZARAGOZA AB SP

YEARS
73-81

MONTH
OCT

CLASS
ALL WEATHER

NUMBER OF HOURS (L.S.T.)
0600-1800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5		.1								.4	7.0
NNE													
NE		.4										.4	4.7
ENE		1.7										1.7	5.1
E	1.6	4.7	1.7	.4								7.6	5.6
ESE	.8	3.7	2.4	.2								7.3	6.1
SE	1.8	2.2	.4	.4								4.7	4.7
SSE	1.6	1.7	.2									2.8	3.5
S	.8	.5	.2									1.6	4.1
SSW	.5			.1								.6	4.0
SW	.6	.2	.4	.1	.1							1.5	7.1
WSW	.5	1.3	.4	.6	.1							2.9	6.7
W	.8	5.2	3.7	2.9	1.7	1.2	.4					16.0	10.7
WNW	.4	4.7	6.2	2.9	1.0	1.1	.4					16.6	10.5
NW	.8	1.9	3.6	6.2	1.8		.2					14.6	11.4
NNW	.4	.5	.2	.7	.2							2.1	9.4
VARBL		.1										.1	4.0
CALM												20.1	
	10.6	27.0	19.5	14.6	5.0	2.3	1.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 81635 ZARAGOZA AB SP STATION NAME 73-81 YEARS OCT MONTH 0907-1100
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.6	.1		.1						1.8	7.0
NNE	.5	.2										.7	2.8
NE	.2	.2										.5	3.3
ENE	.7	1.2	.4									2.3	5.1
E	1.1	7.5	4.1	.4								13.5	6.2
ESE	1.2	2.4	2.5	2.0	.5							8.7	8.3
SE	.5	.7	.5	.2	.1							2.9	6.9
SSE	.4		.2									.6	5.0
S	.4	.1										.5	2.8
SSW		.1										.1	5.0
SW		.1		.1								.2	9.5
WSW		.1	.2	.6								1.0	10.5
W	.6	1.2	1.4	2.5	1.1	.6	.6					8.1	13.2
WNW	.4	1.8	3.4	2.9	1.7	1.6	.8	.2				12.8	14.3
NW	.4	1.3	7.7	7.8	3.9	1.2						22.3	12.6
NNW	.7	1.7	2.3	3.0	1.7	.8						9.5	12.4
VARBL	.8	.2										1.1	2.8
CALM												14.9	
	9.3	18.8	23.3	19.7	8.9	4.3	1.4	.2				170.0	9.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 81505 ZARAGOZA AB SP 73-81 YEARS OCT
STATION NAME ALL WEATHER MONTH 1200-1400
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.9	1.0	.8	.2							4.8	7.5
NNE	.1	.2										.4	3.7
NE	.2	.2										.4	3.0
ENE		2.3	.6									2.9	5.5
E	1.1	4.4	5.9	3.1	.7							15.3	8.6
ESE	.4	1.1	3.1	4.0	.7	.2						9.6	10.8
SE	.2	.2	.4	.2								1.1	7.4
SSE				.1								.1	11.0
S			.2									.2	9.0
SSW	.1											.1	3.0
SW		.3	.4									.6	8.4
WSW		.1	.8	.7		.5						2.2	13.8
W	.2	.7	1.3	1.6	.6	1.1	.4	.1				6.1	14.7
WNW	.5	1.9	1.5	2.4	1.8	1.2	1.3					10.7	15.1
NW	.4	1.9	3.1	3.9	2.9	1.7	.5					14.4	14.0
NNW	.5	3.7	3.9	7.6	5.0	2.4	.5					22.9	13.9
VARBL	1.6	2.7	.4	.1								4.2	4.6
CALM												4.0	
	6.2	27.6	22.6	24.7	12.0	7.1	2.7	.1				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

061605
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1500-1700

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.2	1.3	.2							6.2	7.7
NNE	.1	.5										.6	4.2
NE	.5	1.1										1.6	4.1
ENE	.5	1.4	.2									2.2	4.3
E	1.4	4.6	5.4	3.3	.5	.5						15.7	8.8
ESE	.6	1.8	2.9	2.2	.1	.5						8.1	9.7
SE	.2	1.2	1.1	1.1	.1							3.7	8.8
SSE	.4	.2	.1									.7	4.0
S		.5	.1									.6	4.8
SSW		.1	.1									.2	8.0
SW	.1	.2	.4	.1								.8	7.4
WSW	.2	.4	1.1	1.2	.1	.4						3.4	11.9
W	.2	.4	1.0	1.0	.7	.2	.5					4.0	14.7
WNW	.4	1.3	1.1	2.4	1.4	1.7	1.4	.1				9.9	16.7
NW	.4	1.9	2.7	4.0	2.7	2.1	.5					14.1	14.3
NNW		2.9	4.7	7.9	2.8	2.8	.5					21.5	13.8
VARBL	1.0	1.0	.8									2.9	4.9
CALM												3.9	
	7.1	21.9	22.9	24.4	8.7	8.1	2.9	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

161605 PARAGOZA AB SP

73-81

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.2	.1	.1							1.2	7.4
NNE	.2											.2	2.0
NE	.1											.1	2.0
ENE	.4	.5										1.0	3.6
E	1.0	2.5	1.6	1.4	.6	.4						7.5	9.1
ESE	.8	4.4	1.7	1.7	.5	.5						9.6	8.6
SE	1.6	2.5	.6	.6								5.3	5.3
SSE	.7	.8	.2									1.8	4.1
S	.9	1.7	.2	.1								2.9	4.9
SSW	.5	1.7				.1						1.6	5.9
SW	.4	1.3	.4	.5	.1							2.6	6.8
WSW	.4	2.9	.6	.4	.2							4.4	6.5
W	1.2	3.7	1.0	2.2	1.1	.8	.5					10.5	10.8
WNW	.6	3.5	3.4	2.0	1.2	1.3	.8	.1				13.0	12.4
NW	.6	2.3	5.0	6.0	2.3	1.6						18.3	12.2
NNW	.7	1.3	2.2	3.4	1.7	.4						9.6	11.5
VARBL		.1	.2									.4	6.3
CALM												10.1	
	10.2	29.7	17.3	18.4	7.8	5.0	1.3	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

091505
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	6.0
NNE													
NE													
ENE	.2	.5	.1									.8	4.4
E	.7	2.5	1.9	1.1	.4							6.6	8.1
ESE	.6	2.9	1.9	2.2	.2							7.8	8.5
SE	2.0	1.8	.4	.4								4.6	4.6
SSE	1.0	1.0		.1								2.0	3.8
S	.2	.8	.2									1.3	4.9
SSW	.7	.7	.5									1.9	4.8
SW	1.3	1.4	.4	.2								3.4	4.9
WSW	1.1	4.1	.7	.6								6.5	5.7
W	.4	5.2	2.8	3.4	2.4	1.7	.1					15.8	11.6
WNW	.8	3.5	6.6	3.5	1.7	.6	.4	.1				17.2	10.7
NW	.7	1.4	4.4	7.7	2.3	.2						16.8	12.0
NNW	.2	.2	.4	1.2	.1							2.2	10.5
VARBL	.1	.2										.4	3.3
CALM												12.6	
	10.2	26.4	20.3	20.3	7.1	2.5	.5	.1				170.0	8.1

TOTAL NUMBER OF OBSERVATIONS

833

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

0605.5 JARAGOZA AB SP

73-81

0CT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLIM

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.4	.3	.1	.7						1.9	7.3
NNE	.1	.2										.3	3.4
NE	.2	.3										.5	3.8
ENE	.3	1.1	.2									1.6	5.9
E	1.2	4.2	3.0	1.4	.3	.1						10.2	7.4
ESE	.4	2.9	2.2	1.8	.3	.2						8.1	8.2
SE	1.1	1.5	.5	.4	.0							3.5	5.6
SSE	.8	.7	.2	.1								1.7	4.1
S	.5	.7	.2	.1								1.5	5.0
SSW	.3	.3	.1	.0	.0	.0						.8	5.0
SW	.5	.6	.4	.2	.0	.0						1.7	6.1
WSW	.5	1.6	.6	.6	.1	.1						3.4	7.4
W	.9	3.3	2.3	2.4	1.6	1.1	.3	.0				11.8	11.4
WNW	.5	3.0	3.8	3.1	1.3	1.1	.7	.1				13.7	12.2
NW	.5	1.9	4.5	6.1	2.4	.9	.2					16.5	12.4
NNW	.3	1.2	1.8	3.2	1.5	.8	.1					9.1	13.0
VARBL	.5	.5	.2	.0								1.2	4.3
CALM												12.8	
	9.5	24.5	27.4	19.5	7.6	4.3	1.3	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

5627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1							.1				.2	20.0
NNE													
NE		.4	.1									.5	6.3
ENE	.5	.5										1.0	3.5
E	1.9	1.9	.4									4.1	3.9
ESE	1.6	1.9	.2									3.7	3.7
SE	.9	2.5	.2									3.6	4.3
SSE	1.1	1.9	.2									2.4	3.6
S	2.0	.9		.1		.1						3.1	4.0
SSW	1.4	.2										1.6	2.8
SW	1.5	.9	.1									2.5	3.4
WSW	1.7	1.4	.9	.2	.1							4.4	5.6
W	1.7	3.2	3.2	4.5	1.6	1.0	.2					15.6	11.2
WNW	.5	4.4	5.6	3.5	1.2	1.6		.1				17.0	11.0
NW	.9	1.6	2.9	4.7	4.4	1.4	.4					16.2	13.9
NNW	.1	.5	.5	.2	.7	.5		.2				2.9	15.8
VARBL	.1											.1	3.7
CALM												21.0	
	16.1	21.2	14.5	13.4	8.1	4.6	.6	.5				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605

ZARAGOZA AB SP

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1300-1500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.5
NNE		.1										.1	4.0
NE		.6										.6	4.8
ENE	.4	.6										1.0	4.1
E	1.1	3.7	.4									4.4	4.2
ESE	1.1	2.1										3.3	3.8
SE	.6	.9	.3									1.8	4.4
SSE	1.3	1.5	.1									2.9	3.9
S	1.5	.5										2.0	2.7
SSW	.8											.8	2.0
SW	.4											.4	2.0
WSW	1.6	1.1	.6	.3								3.6	4.9
W	1.9	2.5	3.0	4.6	1.4	1.0						14.4	10.9
WNW	.6	3.6	5.5	4.3	1.3	1.3	.6					17.2	11.6
NW	.9	2.5	1.5	6.1	4.0	1.3	.4					16.7	13.8
NNW	.4	.4	.4	.8	1.3	.3	.1					3.5	14.2
VARBL	.4	.1										.5	2.8
CALM												26.7	
	13.0	14.7	11.8	16.0	7.9	3.8	1.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

191605 ZARAGOZA AB SP 73-81 NOV
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 CONDITION

0600-0800
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.1										.4	3.3
NNE													
NE	.1	1.0										1.1	4.1
ENE		.3	.3									.5	6.0
E	1.6	1.6	.3									3.5	3.7
ESE	.9	2.7	.5	.1								3.5	5.2
SE	.6	1.6	.1	.1								2.5	4.5
SSE	1.5	.6	.1									2.3	3.4
S	.8	.8										1.5	3.4
SSW	.6		.1									.8	3.3
SW	.8	.3	.1	.1	.1							1.4	5.5
WSW	.8	.8	.1	.3								1.9	5.3
W	1.5	3.5	3.3	4.6	2.1	.6	.1					15.8	10.6
WNW	.9	3.8	5.6	3.8	1.9	1.5	.1					17.5	11.4
NW	.8	1.4	3.3	5.3	3.1	1.5	.3					15.5	13.6
NNW	.5	1.0	.8	1.0	.3	.5						4.0	11.0
VARBL	.1											.1	3.0
CALM												27.7	
	11.7	18.7	14.5	15.3	7.5	4.1	.5					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

01635
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

NOV

MONTH

ALL WEATHER

0900-1100

CLASS

HOUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.2	.1								1.4	5.2
NNE	.1											.1	2.0
NE	.1	.6										.7	4.3
ENE	.5	.7	.4	.1								1.7	5.6
E	1.9	3.7	1.0	.1								6.7	4.7
ESE	2.0	1.6	.9	.4								4.9	5.3
SE	1.1	.6	1.0	.1								2.9	5.8
SSE	.4	.1										.5	2.8
S	.2	.2										.5	3.0
SSW			.1									.1	10.0
SW	.2					.1						.4	9.3
WSW	.1	.4	.2	.1	.2	.2						1.4	12.3
W	.6	3.0	1.1	3.6	1.6	.1	.2					10.4	11.4
WNW	1.2	2.5	2.2	5.1	3.9	1.1	.5	.1				16.7	13.4
NW	1.1	2.5	4.0	5.5	4.5	2.1						19.7	13.3
NNW	.5	1.1	1.0	1.5	2.0	1.5	.1					7.7	14.8
VARBL	.2											.2	2.5
CALM												23.8	
	11.1	17.6	12.2	16.7	12.2	5.2	.9	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

081605 PARAGOZA AB SP 73-81 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9	.6	.5	.6	.1						3.5	9.1
NNE	.5											.5	2.0
NE	.5	.1	.3	.3								1.1	5.9
ENE	.8	1.1	.3	.4								2.5	5.9
E	1.8	4.4	2.8	.8								9.7	6.1
ESE	1.5	2.3	1.9	.4								6.0	5.7
SE	.4	.5	.1	.1								1.1	5.4
SSE		.1										.1	4.0
S			.1	.3								.4	12.7
SSW			.1									.1	10.0
SW		.1	.1	.1								.4	9.0
WSW	.1		.1	.5	.1	.4						1.3	15.6
W	.4	2.0	1.3	1.9	1.3	.5	.1					7.4	11.8
WNW	.5	1.8	2.4	2.0	3.9	1.8	1.0	.1				13.4	15.5
NW	.8	2.5	2.1	4.5	5.5	3.6	.1					19.2	15.2
NNW	.9	3.1	1.8	3.1	5.0	3.0	1.4					18.3	15.6
VARBL	1.1	.7	.1									1.5	3.2
CALM												13.3	
	9.9	19.2	14.1	14.8	16.5	9.4	2.6	.1				170.0	10.6

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

091605

ZARAGOZA AB SP

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

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	.6	.6	.6		.7	.1						2.7	9.4
NNE		.1										.1	6.0
NE	.2	.7	.4									1.4	5.4
ENE	1.2	2.1	.2									3.6	4.2
E	2.9	3.5	1.9	.5	.1							8.8	5.5
ESE	1.5	2.5	1.2	.9								6.1	6.2
SE	.2	1.7	1.7	.5								2.7	7.5
SSE		.7										.7	5.2
S		.1	.2	.1								.5	9.7
SSW		.1	.1	.1		.1						.5	11.5
SW			.1	.1								.2	10.5
WSW		.1	.1	.4	.1							.7	12.3
W	.9	1.4	2.0	1.5		.1	.4					6.2	9.6
WNW	.9	2.4	1.2	3.5	2.6	2.1	.9	.1				13.7	14.8
NW	1.4	3.2	3.4	4.1	5.1	3.7	.6					21.5	14.5
NNW	1.6	1.5	2.9	4.4	3.5	3.7	1.5					18.3	15.3
VARBL	.7	.4										1.1	3.1
CALM												10.8	
	12.2	27.5	15.4	16.1	12.2	9.2	3.4	.1				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

081505
STATION

PARAGOZA AB SP
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	.1			.1		.2					.7	14.2
NNE													
NE	.1	.2	.1									.5	5.0
ENE	.1	.9	.2									1.2	4.8
E	2.3	2.7	.1	.1								4.2	3.7
ESE	1.1	1.2	.7	.1								3.2	5.2
SE	1.0	2.0	.4	.4	.1							3.9	5.6
SSE	.6	.7	.1									1.5	4.1
S	.9	1.1										2.0	3.4
SSW	.6	.9	.2									1.7	4.7
SW	.9	1.7	.7	.1								3.5	5.0
WSW	1.7	4.4	.9	.5								6.7	5.3
W	1.7	5.2	3.2	3.0	.5	.2	.1					13.3	8.7
WNW	.5	2.2	3.9	4.9	3.1	2.7	.2					16.8	13.5
NW	.6	1.9	3.1	4.1	4.1	3.4	.4					17.6	15.3
NNW	.6	.1	.2	2.5	1.4	.9	.6	.2				6.6	17.2
VARBL													
CALM												16.3	
	11.3	24.3	14.1	15.7	9.4	6.5	1.6	.2				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1635
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4						.1				.6	10.6
NNE													
NE		.2										.2	4.5
ENE	.2	1.7	.1	.1								1.5	5.6
E	1.0	1.7	.7									3.5	4.6
ESE	1.1	1.6	.2									3.0	4.1
SE	.5	.9	.2	.1								1.7	5.0
SSE	.6	.9	.1									1.6	3.6
S	.6	.2										.9	3.1
SSW	.7	.4			.1							1.2	4.4
SW	1.7	1.2	.2	.2	.1							3.6	5.0
WSW	2.1	3.4	1.0									6.5	4.3
W	1.6	4.3	3.6	4.6	1.1	.6	.4					16.3	10.0
WNW	.7	2.6	4.5	5.3	3.2	1.2	.2	.1				18.0	12.6
NW	.6	.7	2.2	8.1	2.2	1.9	1.1					16.9	15.2
NNW	.1	.4	.5	.7	1.2	.7	.1	.1				4.0	16.6
VARBL	.2	.1										.4	3.3
CALM												20.1	
	10.2	20.1	13.5	19.3	8.1	4.5	1.9	.4				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 81635 ZARAGOZA AB SP STATION NAME YEARS 73-81 MONTH NOV NORTH ALL HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.2	.1	.2	.7	.7	.0				1.2	9.2
NNE	.1	.0										.1	2.9
NE	.1	.5	.1	.7								.9	5.1
ENE	.5	.9	.2	.1								1.5	4.9
E	1.7	2.7	.9	.2	.7							5.6	4.9
ESE	1.4	1.9	.7	.2								4.2	5.1
SE	.7	1.2	.4	.2	.0							2.5	5.4
SSE	.7	.7	.1									1.5	3.8
S	.7	.5	.0	.1		.7						1.4	4.7
SSW	.5	.2	.1	.0	.0	.0						.7	4.4
SW	.7	.5	.2	.1	.7	.0						1.5	5.7
WSW	.9	1.4	.5	.3	.1	.1						3.3	6.1
W	1.2	3.2	2.6	3.5	1.2	.5	.2					12.4	10.5
WNW	.7	2.9	3.9	4.0	2.6	1.6	.5	.1				16.3	12.9
NW	.9	2.7	2.8	5.3	4.1	2.4	.4					17.9	14.3
NNW	.6	1.7	1.0	1.8	1.9	1.3	.5	.1				8.2	15.3
VARBL	.4	.1	.0									.5	3.1
CALM												10.0	
	17.2	20.2	13.8	15.9	10.2	5.9	1.6	.2				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 6404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

01675
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0000-2000

HOURLS (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	4.7
NNE	.1											.1	2.0
NE		.7	.7	.1								1.1	7.3
ENE	.1	1.0	1.2	.2								2.5	7.6
E	1.7	2.9	1.8	.1								6.5	5.5
ESE	.5	3.4	1.4	.4	.1							5.8	6.3
SE	.7	1.9	.7		.1							3.5	5.4
SSE	1.0	1.4	.1									2.7	3.5
S	.5	.7										1.2	3.7
SSW	.1	.4	.2	.2								1.0	7.9
SW	.6	.6	.4	.5	.4							2.4	8.9
WSW	.5	1.1	.5	1.7	.7	.2						4.7	11.1
W	1.7	2.5	4.5	7.0	2.8	.5		.1				16.4	11.9
WNW	1.1	3.6	8.2	4.8	1.4	.2	.1	.1				19.6	10.1
NW	.4	2.5	2.9	5.1	2.7	1.6	.1					15.2	13.1
NNW		.4	.2	1.0	.6	.7	.2	.2				3.4	18.7
VARBL	.5	.5			.1							1.1	5.3
CALM												10.7	
	9.9	23.5	22.5	21.1	8.9	3.4	.5	.5				170.3	9.0

TOTAL NUMBER OF OBSERVATIONS

830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 03005 STATION NAME ZARAGOZA AB SP YEARS 73-81 MONTH DEC
CLASS ALL WEATHER HOURS (L E T) 0300-2500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.7	3.5
NNE		.7										.1	4.7
NE		.6	.4									1.7	6.6
ENE	.7	.5	.8	.5								2.1	8.2
E	.7	4.4	2.5	.2								7.9	6.0
ESE	1.0	3.2	1.6	.5								6.2	6.2
SE	1.1	1.3	.7	.2	.1							3.0	5.7
SSE	.6	.6		.1								1.3	4.6
S	.8	.5	.2									1.6	3.9
SSW	.2	.6	.2									1.1	5.6
SW		.7	.2	.4								.8	9.7
WSW	.1	1.1	1.0	.6	.8	.4						4.0	11.7
W		2.9	3.4	4.4	2.3	1.3		.1				14.4	12.9
WNW	.7	5.3	8.0	4.5	1.6	1.2	.1	.2				21.7	10.6
NW	.8	2.1	3.3	4.0	3.6	1.0	.1					14.9	12.7
NNW	.2	.4	.2	.2	.7	.4	.4	.1				2.7	17.0
VARBL	.1	.4		.2								.7	6.8
CALM												15.7	
	7.2	24.5	22.2	15.9	9.2	4.2	.6	.5				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

81605
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1			.1							.5	7.0
NNE													
NE		.4	.2									.6	6.4
ENE		.5	.8	.2								1.6	7.9
E	1.2	3.6	2.8	.7	.1							8.5	6.7
ESE	.7	1.1	1.3	.8	.1							4.1	7.9
SE	.6	1.8	.6									3.7	4.9
SSE	.2	.5										.8	4.1
S	.7	.4	.1									1.2	3.7
SSW	.5			.1	.1							.7	7.0
SW	.7	.4	.1	.4	.1	.4						2.1	10.0
WSW	1.3	1.7	.8	1.2	.5	.4						5.2	9.7
W	1.5	3.0	3.9	4.2	1.3	1.1	.1	.1				16.1	10.7
WNW	1.1	3.5	7.6	5.8	1.9	1.6	.2	.2				22.0	11.4
NW	1.2	1.7	2.9	4.5	2.2	1.2						13.7	12.3
NNW	.2	.5	.6	.7	.6	.6	.2					3.5	14.7
VARBL	.2	.4										.6	3.4
CALM												15.7	
	17.5	19.7	21.9	18.8	7.1	5.2	.6	.4				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 091675 ZARAGOZA AB SP STATION NAME 73-81 YEARS DEC 0900-1100
STATION NORTH HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2			.1		.2						.6	13.0
NNE	.1	.1										.2	3.0
NE		.2	.6									.8	8.0
ENE	.2	.6	.7	.6	.2							2.4	9.0
E	1.3	3.7	2.4	.6	.1							8.2	6.3
ESE	1.2	3.3	.8	1.0	.2							6.5	7.3
SE	.4	.5	.4	.2								1.4	6.5
SSE	.5	.2										.7	2.8
S	.4	.5		.1								1.1	4.9
SSW	.4	.2	.1	.1								.8	5.7
SW	.1	.7	.1	1.0	.2							2.2	10.4
WSW	.1	.4	.6	1.0	.1	.4	.4					2.9	14.2
W	.6	2.5	3.6	4.3	2.4	1.9	.2					15.7	13.0
WNW	1.1	3.1	3.7	4.2	1.7	1.0		.1				15.0	11.3
NW	1.1	2.4	3.4	5.4	3.7	2.1	.1					18.2	13.3
NNW	.5	.6	.1	1.0	1.1	1.4	.1					4.8	16.0
VARBL													
CALM												18.2	
	9.2	19.3	16.7	19.7	9.9	7.0	.8	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

LP 1435
STATION

PARAGOZA AB SP
STATION NAME

73-81
YEARS

DEC
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7			.2	.1						1.4	7.8
NNE	.1											.1	2.7
NE	.2	.4	.6	.1								1.3	6.5
ENE	.5	.8	1.2	.1								2.7	6.6
E	1.9	4.1	4.3	1.3								11.7	6.8
ESE	.5	2.8	1.0	1.0	.1							5.3	7.2
SE	.1	.1	.2		.1							.6	8.6
SSE	.2	.6										.8	3.7
S		.1	.1									.2	6.0
SSW			.1	.4	.1	.1						.7	16.0
SW			.1	.2	.4							.7	14.7
WSW	.1	.1	.5	.8	.6	1.0	.2					3.4	17.1
W	.4	1.3	1.9	4.0	1.8	2.1	.6					12.1	15.2
WNW	.4	1.7	3.3	2.3	2.1	1.2	.4					11.2	13.0
NW	.7	2.7	3.9	5.4	3.6	3.7	.7	.1				20.9	14.8
NNW	1.0	1.4	1.0	3.6	3.6	3.1	.8	.4	.1			15.1	16.8
VARB	.7	.1										.8	2.6
CALM												10.7	
	7.2	17.0	18.2	19.3	12.7	11.4	2.8	.5	.1			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

828

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

051405
STATION

ZARAGOZA AB SP
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6			.1		.1					1.2	7.9
NNE	.2	.2										.5	3.0
NE		.6	.4									1.0	6.5
ENE	.4	2.4	.8	.2								3.9	5.9
E	1.2	5.3	2.4	.5	.1							9.5	6.1
ESE	1.0	2.7	1.9	1.1	.1							6.9	7.0
SE	1.0	1.1	.4	.2		.1						2.8	6.1
SSE	.1	.1										.2	3.0
S		.1				.1						.2	15.0
SSW		.7	.2	.2	.1							.8	10.6
SW	.1	.1	.1	1.0		.1						1.4	12.4
WSW	.7	.5	.5	.8	.5	.6	.1					3.3	14.2
W	.5	2.1	2.8	2.8	1.8	2.5	.4					12.8	14.1
WNW	1.3	1.2	2.2	3.0	2.4	.5	.5					11.1	12.8
NW	1.7	3.4	3.7	6.4	5.2	2.5	.4	.1				22.7	14.0
NNW	.5	1.2	1.7	3.5	3.6	2.7	.8	.1				14.1	16.5
VARBL	.4	.1										.5	2.8
CALM												7.0	
	8.2	22.1	17.1	19.8	14.0	9.2	2.3	.2				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

828

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14675 JARAGOZA AB SP STATION NAME 73-81 YEARS DEC MONTH
1900-2000
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1				.1			.1				.4	18.7
NNE		.4										.4	5.3
NE	.1	.5	.4									1.0	6.6
ENE	.6	1.2	.8	.1								2.8	5.6
E	1.6	3.4	2.1	.1								7.1	5.4
ESE	.8	2.3	2.2	.4	.1							5.8	6.7
SE	1.2	1.8	.5	.1	.1							3.7	5.5
SSE	.1	.2										.4	3.7
S	.1	.3	.1									1.1	5.0
SSW	.4	.4		.2	.2							1.2	8.4
SW	.6	.1	.8	.5	.4							2.4	9.1
WSW	1.2	2.5	1.3	1.3	.8	1.0	.1					8.3	10.6
W	1.1	5.2	3.9	4.6	2.1	1.3	.1					18.2	10.8
WNW	.8	4.1	4.5	5.3	1.9	.8						17.5	10.9
NW	.2	1.2	3.0	4.6	4.2	2.4	.6					16.3	15.4
NNW	.4	.1	.4	1.2	1.2	1.2	.1					4.6	16.8
VARBL	.5											.5	2.0
CALM												8.3	
	9.9	24.3	19.9	18.5	11.2	6.8	1.0	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 828

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

91605
STATION

ZAPAGOZA AB SP

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5				.4	.1					1.0	16.5
NNE		.1	.1					.1				.4	17.3
NE		.5	.4	.1								1.1	7.3
ENE	.7	1.1	.8	.2								2.4	6.8
E	1.6	3.5	1.9	.5								7.8	5.5
ESE	.8	2.5	1.6	.5	.1							5.5	6.4
SE	1.2	.6	.4	.1	.1	.1						2.3	7.1
SSE	.4	.3										1.2	4.1
S	.8	.4		.1								1.3	3.7
SSW	.1	.1	.1	.2	.1							.7	10.2
SW	.5	.6	.1	.6	.2							2.0	8.7
WSW	.7	1.3	.7	1.8	.6	.5						5.7	10.7
W	1.1	4.1	3.6	4.8	1.2	1.7	.5	.1				17.1	11.9
WNW	.6	3.5	6.9	5.4	2.8	.8	.2	.1				20.5	11.4
NW	.5	1.4	2.5	5.3	3.2	1.7	.1	.1				14.9	14.2
NNW	.6	.4	.4	.7	1.2	.4	.1					3.7	13.8
VARBL	.5	.5		.1								1.1	4.7
CALM												11.3	
	9.6	22.3	19.5	27.6	9.6	5.5	1.1	.5				170.0	9.4

TOTAL NUMBER OF OBSERVATIONS

831

0
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

041405 ZAPAGOZA AB SP 73-81 DEC

STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS ALL

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	.2	.3	.0	.0	.1	.1	.4	.0				.8	9.3
NNE	.1	.1	.5					.0				.2	6.3
NE	.7	.5	.4	.0								1.0	6.9
ENE	.3	1.0	.9	.3	.4							2.5	7.0
E	1.4	3.9	2.5	.5	.0							8.4	6.1
ESE	.8	2.7	1.5	.7	.1							5.8	6.8
SE	.8	1.1	.4	.1	.1	.4						2.5	5.8
SSE	.4	.5	.4	.0								1.0	3.8
S	.4	.5	.1	.0		.0						1.0	4.5
SSW	.2	.2	.1	.2	.1	.0						.9	8.6
SW	.3	.3	.3	.6	.2	.1						1.8	10.0
WSW	.5	1.7	.7	1.2	.6	.5	.1					4.7	11.9
W	.8	3.1	3.4	4.5	2.0	1.6	.2	.1				15.6	12.4
WNW	.6	1.3	5.5	4.4	2.0	.9	.2	.1				17.3	11.3
NW	.7	2.2	3.2	5.1	3.6	2.0	.3	.0				17.1	13.8
NNW	.4	.6	.6	1.5	1.6	1.3	.4	.1	.0			6.5	16.4
VARBL	.4	.2		.0	.0							.7	4.2
CALM												12.2	
	8.7	21.6	19.8	19.2	10.3	6.6	1.2	.3	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 6623

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

051635
STATION

PARAGOZA AB SP
STATION NAME

73-81
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.4	.3	.1	.1	.0	.0				1.9	8.7
NNE	.2	.2	.5	.0	.0			.0				.4	4.1
NE	.2	.4	.1	.0	.0							.7	5.0
ENE	.4	1.0	.4	.1	.0	.0						1.9	5.7
E	1.2	3.2	2.2	.8	.1	.0						7.5	6.6
ESE	.8	2.2	1.8	1.0	.1	.0	.0					6.0	7.4
SE	.6	1.2	.6	.3	.1	.0	.0					2.8	6.6
SSE	.5	.5	.1	.1	.0	.0	.0					1.1	4.7
S	.4	.4	.1	.1	.0	.0	.0					1.0	4.9
SSW	.3	.2	.1	.1	.0	.0	.0					.7	6.4
SW	.3	.5	.2	.2	.1	.0	.0	.0				1.5	7.8
WSW	.7	1.4	.6	.6	.2	.2	.0	.0				3.7	8.2
W	1.5	2.8	2.7	3.3	1.4	.8	.1	.0				12.0	11.1
WNW	.7	3.7	4.4	4.1	1.9	1.2	.3	.0	.0			15.6	11.9
NW	.6	2.2	4.1	6.4	3.4	1.4	.2	.0	.0	.0		18.5	13.2
NNW	.5	1.4	2.0	3.3	2.2	1.2	.3	.1	.0			10.8	14.0
VARBL	1.0	.9	.3	.0	.0							2.2	4.3
CALM												11.6	
	9.6	22.0	20.3	20.7	9.6	5.0	1.1	.2	.0	.0		100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 77525

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION
1505

STATION NAME
ARAGOZA AB SP

YEARS
73-81

ALL

MONTH

ALL

HOURLS (L.S.T.)

INSTRUMENT

CLASS

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

CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.1	.0								.6	4.6
NNE	.1	.1										.2	3.3
NE	.3	.7	.3	.0								1.3	4.9
ENE	1.3	2.5	.8	.2								4.7	4.9
E	4.4	9.2	3.6	.5	.1							17.9	5.3
ESE	2.5	5.5	3.3	1.5	.1							12.9	6.3
SE	1.3	2.0	1.0	.2								4.5	5.2
SSE	1.1	.7	.2									2.3	3.6
S	.8	.5	.1	.0								1.4	3.6
SSW	.3	.2	.0	.0								.5	3.9
SW	.3	.3										.6	3.4
WSW	.4	.3	.2	.1		.0						1.0	5.8
W	1.2	1.9	1.2	.7	.1	.1						5.2	6.9
WNW	1.3	2.8	1.3	.7	.1	.1		.0				6.3	6.6
NW	1.6	2.2	2.0	1.2	.4	.1	.1					7.5	7.9
NNW	.7	1.2	.4	.6	.2	.1	.0					3.2	7.9
VARBL	.7	.2										.9	2.9
CALM												29.2	
	18.4	30.7	14.5	5.7	1.1	.4	.1	.0				100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

3474

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	≥ 0
NO CEILING															
N 1800															
N 1500					91.0										92.6
N 1200															
N 1000															
N 900															
N 800															
N 700															
N 600															
N 500										97.4					98.1
N 400															
N 300															
N 200															
N 100															
N 0					95.4		96.9			98.3					100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5 LARAGUJA AB SP STATION NAME

73-81 YEARS

165

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1000-10000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 50																
≥ 20																
≥ 10																

TOTAL NUMBER OF OBSERVATIONS 789

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

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME: LAPASOZA AB SP

73-51

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2720-2800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
≥20000																
≥18000																
≥16000																
≥14000																
≥12000																
≥10000																
≥9000																
≥8000																
≥7000																
≥6000																
≥5000																
≥4500																
≥4000																
≥3500																
≥3000																
≥2500																
≥2000																
≥1800																
≥1600																
≥1400																
≥1200																
≥1000																
≥900																
≥800																
≥700																
≥600																
≥500																
≥400																
≥300																
≥200																
≥100																
≥0																

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

PRAGUE AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5500-7000
FOOT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.2	≥.1	≥.05	≥.02	≥.01
NO CEILING ≥ 70000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			60.3	72.2	73.8	74.7	75.2	75.7	75.7	75.8	75.9	76.6	76.8	77.1	77.1	79.3
≥ 4500 ≥ 4000			70.9	72.9	74.6	75.4	75.9	76.4	76.4	76.6	76.7	77.3	77.6	77.8	77.9	80.5
≥ 3500 ≥ 3000			71.1	73.7	75.6	76.4	76.9	77.4	77.4	77.6	77.7	78.3	78.6	78.8	78.8	81.5
≥ 2500 ≥ 2000			71.4	74.2	76.1	76.9	77.4	77.9	77.9	78.1	78.2	78.8	79.1	79.3	79.3	82.0
≥ 1800 ≥ 1500			71.9	74.8	76.7	77.6	78.1	78.9	78.9	79.1	79.2	79.8	80.0	80.3	80.7	83.2
≥ 1200 ≥ 1000			71.9	75.1	77.1	77.9	78.4	79.3	79.3	79.4	79.6	80.2	80.4	80.7	80.7	83.5
≥ 800 ≥ 600			72.9	76.1	78.2	79.1	79.6	80.5	80.5	80.7	80.8	81.4	81.7	82.0	82.0	84.9
≥ 400 ≥ 200			72.9	76.2	78.3	79.2	79.7	80.7	80.7	80.8	80.9	81.5	81.8	82.2	82.2	85.0
≥ 100			73.2	76.4	78.6	79.4	79.9	80.9	80.9	81.0	81.2	81.8	82.0	82.4	82.4	85.4
≥ 50			73.9	77.4	80.2	81.0	81.5	82.5	82.5	82.7	82.8	83.4	83.7	84.0	84.0	87.0
≥ 25			74.2	77.7	80.4	81.3	81.8	82.8	82.8	82.9	83.0	83.7	83.9	84.3	84.3	87.3
≥ 12.5			74.2	77.7	80.4	81.3	81.8	82.8	82.8	82.9	83.0	83.7	83.9	84.3	84.3	87.3
≥ 6.25			74.2	77.7	80.4	81.4	81.9	83.0	83.0	83.2	83.4	83.5	84.2	84.4	84.8	87.8
≥ 3.125			74.2	77.7	80.4	81.4	81.9	83.0	83.0	83.2	83.4	83.5	84.2	84.4	84.8	87.8
≥ 1.5625			74.2	77.7	80.4	81.5	82.3	83.8	83.9	84.2	84.3	85.0	85.7	86.3	86.5	89.9
≥ 0.78125			74.2	77.7	80.4	81.7	82.4	83.9	84.4	84.7	84.8	85.5	86.3	87.0	87.4	92.4
≥ 0.390625			74.2	77.7	80.4	81.7	82.4	83.9	84.4	84.7	84.8	85.5	86.2	87.0	87.4	92.4
≥ 0.1953125			74.2	77.7	80.4	81.7	82.4	83.9	84.4	84.7	84.8	85.5	86.2	87.0	87.4	92.4
≥ 0.09765625			74.2	77.7	80.4	81.7	82.4	83.9	84.4	84.7	84.8	85.5	86.2	87.0	87.4	92.4

TOTAL NUMBER OF OBSERVATIONS 802

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME CAPASOZAS SP

73-81

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

622-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.125	≥.0625	≥.03125
NO CEILING ≥ 20000																
≥ 18000 ≥ 6000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 50																

TOTAL NUMBER OF OBSERVATIONS 612

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGOZA AB SP

STATION NAME

72-81

YEAR

1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES																
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING ≥20000																	
≥18000																	
≥16000																	
≥14000																	
≥12000																	
≥10000																	
≥9000																	
≥8000																	
≥7000																	
≥6000																	
≥5000				63.3	67.4	69.5	72.6	72.2	74.0	74.4	75.2	75.4	76.2	76.7	77.4	77.4	78.1
≥4500				63.7	67.6	69.7	70.9	72.5	74.2	74.7	75.4	75.7	76.4	76.9	77.5	77.6	78.4
≥4000				65.1	68.7	70.9	72.1	73.7	75.8	76.3	77.0	77.4	78.1	78.5	79.4	79.4	80.1
≥3500				65.5	69.3	71.5	72.7	74.4	76.5	77.1	78.0	78.4	79.1	79.6	80.3	80.7	81.1
≥3000				65.6	69.7	71.9	73.1	74.8	76.9	77.5	78.5	78.9	79.9	80.3	81.1	81.1	81.8
≥2500				67.0	71.1	73.8	75.3	77.0	79.1	79.7	80.7	81.1	82.1	82.6	83.3	83.3	84.0
≥2000				67.6	71.7	74.4	75.9	77.6	80.0	80.6	81.6	81.9	82.9	83.4	84.2	84.2	84.9
≥1800				67.6	71.7	74.6	76.0	77.8	80.1	80.7	81.7	82.2	83.2	83.7	84.4	84.4	85.1
≥1500				67.6	71.7	74.6	76.0	77.8	80.2	80.9	81.8	82.3	83.3	83.8	84.5	84.5	85.1
≥1200				67.6	71.7	74.7	76.4	78.1	80.7	81.3	82.7	83.2	84.2	84.6	85.4	85.4	86.2
≥1000				67.6	71.9	74.9	76.8	78.6	81.4	82.1	83.4	83.9	84.9	85.4	86.1	86.1	87.0
≥900				67.6	71.9	75.2	77.3	79.1	82.1	82.7	84.0	84.5	85.6	86.1	86.9	86.9	87.7
≥800				67.8	72.4	75.8	78.1	80.0	82.9	83.5	84.9	85.4	86.5	87.0	87.7	87.7	88.6
≥700				67.8	72.4	75.8	78.3	80.1	83.0	83.7	85.0	85.5	86.6	87.1	87.8	87.8	88.7
≥600				67.8	72.4	76.7	78.6	80.6	84.2	84.8	86.1	86.6	87.8	88.3	89.1	89.1	89.9
≥500				67.8	72.4	76.0	78.7	80.8	84.5	85.5	86.9	87.3	88.7	89.2	89.9	89.9	90.8
≥400				67.8	72.4	76.0	78.7	81.2	84.9	86.0	87.7	88.2	89.8	90.5	91.6	92.0	93.0
≥300				67.8	72.4	76.7	78.9	81.4	85.3	86.6	88.3	88.9	90.9	91.8	93.0	93.4	94.7
≥200				67.8	72.4	76.7	78.9	81.4	85.3	86.6	88.3	89.1	91.0	91.9	93.5	94.7	95.9
≥100				67.8	72.4	76.0	78.9	81.4	85.3	86.6	88.3	89.1	91.0	92.0	93.7	94.2	97.1
≥0				67.8	72.4	76.0	78.9	81.4	85.3	86.6	88.3	89.1	91.0	92.0	94.1	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 814

USAF ETAC

FORM 10-64

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1510.5 BARABOZA AB SP STATION NAME

73-81

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000				68.2	71.7	73.6	75.2	76.7	76.7	77.7	77.8	78.2	78.2	79.2	79.3	79.7
≥ 4500				67.7	72.7	74.8	75.4	77.1	77.8	78.1	78.9	79.3	79.3	79.3	79.4	79.4
≥ 4000				71.3	75.0	77.1	78.9	79.8	80.8	81.7	81.9	82.3	82.3	82.3	82.4	82.5
≥ 3500				72.4	76.1	78.4	80.3	81.2	82.3	82.6	83.5	83.9	83.9	83.9	84.7	84.1
≥ 3000				74.3	78.6	81.2	83.0	83.9	85.1	85.5	86.6	87.1	87.1	87.1	87.2	87.3
≥ 2500				74.9	79.3	82.1	84.0	85.1	86.3	86.7	87.8	88.3	88.3	88.3	88.4	88.5
≥ 2000				75.7	79.6	82.5	84.7	85.8	87.2	87.6	88.7	89.2	89.3	89.3	89.4	89.5
≥ 1800				75.7	79.6	82.5	84.7	85.8	87.4	88.1	89.2	89.7	89.8	89.8	89.9	89.9
≥ 1500				75.7	79.6	82.8	85.2	86.5	88.4	89.7	90.1	90.6	90.8	90.8	90.9	91.0
≥ 1200				75.7	79.8	83.0	85.5	86.7	88.7	89.3	90.4	90.9	91.0	91.0	91.3	91.4
≥ 1000				75.7	80.3	84.1	86.6	87.8	89.8	90.4	91.5	92.7	92.7	92.7	92.9	93.1
≥ 900				75.7	80.5	84.6	87.3	88.5	90.5	91.1	92.2	92.7	92.9	92.9	93.1	93.3
≥ 800				75.7	80.7	85.0	87.8	89.2	91.1	91.7	93.0	93.5	93.6	93.6	93.8	94.1
≥ 700				75.7	80.7	85.0	87.8	89.3	91.4	92.7	93.2	93.8	94.0	94.0	94.2	94.5
≥ 600				75.7	80.7	85.0	87.8	89.3	91.6	92.2	93.5	94.1	94.2	94.3	94.5	94.8
≥ 500				75.7	80.7	85.0	87.8	89.3	91.6	92.2	93.5	94.1	94.3	94.5	94.8	95.1
≥ 400				75.7	80.7	85.0	87.8	89.4	91.9	92.5	93.7	94.3	94.6	94.7	95.3	95.7
≥ 300				75.7	80.7	85.0	87.8	89.4	92.0	93.7	94.6	95.1	95.4	95.6	96.3	96.9
≥ 200				75.7	80.7	85.0	87.8	89.4	92.0	93.7	94.6	95.2	95.6	95.8	96.9	97.3
≥ 100				75.7	80.7	85.0	87.8	89.4	92.0	93.7	94.6	95.2	95.7	95.9	97.2	97.7
≥ 0				75.7	80.7	85.0	87.8	89.4	92.0	93.7	94.6	95.2	95.7	95.9	97.5	98.4

TOTAL NUMBER OF OBSERVATIONS 812

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARACOA AB SP

STATION NAME

73-81

YEARS

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1970

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

TOTAL NUMBER OF OBSERVATIONS 836

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 1505 STATION NAME CAPAGOZA AB SP

73-81

YEARS

JAN 1981

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS

CEILING FEET	VISIBILITY STATUTE MILES													
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000														
≥18000														
≥16000														
≥14000														
≥12000														
≥10000														
≥9000														
≥8000														
≥7000														
≥6000														
≥5000			77.8	79.1	81.7	81.1	81.3	92.1	82.2	92.3	82.3	82.5	82.5	82.6
≥4500			77.8	79.6	81.2	81.6	81.8	82.6	82.7	82.8	82.8	83.7	83.7	83.1
≥4000			79.7	81.1	82.7	83.1	83.3	84.1	84.2	84.3	84.3	84.5	84.5	84.6
≥3500			77.2	81.6	83.2	83.6	83.8	84.6	84.7	84.8	84.8	85.0	85.0	85.1
≥3000			79.7	82.2	84.1	84.5	84.7	85.5	85.6	85.8	85.8	86.0	86.0	86.1
≥2500			87.7	82.7	84.6	85.1	85.3	86.1	86.2	86.5	86.5	86.6	86.6	86.7
≥2000			87.7	83.2	85.1	85.6	85.8	86.6	86.8	87.1	87.1	87.2	87.2	87.5
≥1800			87.9	83.3	85.2	85.7	86.7	86.7	87.7	87.2	87.2	87.3	87.3	87.6
≥1500			81.5	84.3	86.2	86.7	87.0	87.7	88.0	88.2	88.5	88.7	88.9	89.1
≥1200			82.1	85.3	87.2	87.7	88.0	88.7	89.7	89.2	89.5	89.7	89.8	90.1
≥1000			82.2	85.6	87.6	88.2	88.5	89.2	89.5	89.7	90.5	90.2	90.4	90.7
≥900			82.2	85.6	87.6	88.2	88.5	89.2	89.5	89.7	90.5	90.2	90.4	90.7
≥800			82.2	85.6	87.8	88.6	88.8	89.7	90.1	90.4	90.6	90.9	91.7	91.4
≥700			82.2	85.8	87.8	88.6	88.8	89.8	90.2	90.5	90.7	91.7	91.1	91.5
≥600			82.2	85.8	87.8	88.6	88.8	89.8	90.2	90.5	90.7	91.0	91.1	91.5
≥500			82.2	85.8	87.8	88.7	89.0	90.1	90.5	91.0	91.2	91.5	91.6	92.0
≥400			82.2	85.8	87.8	88.7	89.0	90.1	90.5	91.0	91.2	91.5	91.7	92.1
≥300			82.2	85.8	87.8	88.7	89.0	90.4	90.7	91.4	91.6	91.9	92.1	92.5
≥200			82.2	85.8	87.8	88.7	89.0	90.4	90.7	91.4	91.6	91.9	92.2	92.6
≥100			82.2	85.8	87.8	88.7	89.0	90.4	90.7	91.6	91.9	92.1	92.7	93.2
≥0			82.2	85.8	87.8	88.7	89.0	90.4	90.7	91.6	91.9	92.1	92.7	93.5

TOTAL NUMBER OF OBSERVATIONS 798

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME PHAGODA AB SP STATION NAME 73-81 YEARS 16

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 50																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 6424

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION LAGOZIA AB SP YEARS 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 73-81

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			97.7	93.2	93.5	93.6	93.6	93.6	93.9	93.3	93.8	93.9	93.9	93.9	93.9	94.1
≥ 4500			91.4	93.9	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.8
≥ 4000			91.8	94.4	94.6	94.8	94.8	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.2
≥ 3500			91.9	94.5	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.7
≥ 3000			92.5	95.1	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.9
≥ 2500			92.7	95.2	95.5	95.6	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.7
≥ 2000			93.8	96.3	96.6	96.8	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.2
≥ 1800			93.9	96.5	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.3
≥ 1500			94.2	96.8	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.6
≥ 1200			95.1	97.6	97.9	98.0	98.0	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.6
≥ 1000			95.3	97.9	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.9
≥ 900			95.3	97.9	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.9
≥ 800			95.3	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3
≥ 700			95.3	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3
≥ 600			95.3	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3
≥ 500			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6
≥ 400			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6
≥ 300			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6
≥ 200			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6
≥ 100			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6
≥ 0			95.3	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS 758

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

APASO, A AB SP

STATION NAME

73-81

YEAR

FEET

MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1330-2400
HOURS

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

TOTAL NUMBER OF OBSERVATIONS

710

USAF ETAC 1294 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1968
 STATION

LARAGONA AB SP

STATION NAME

73-61

YEAR

FEET
 METERS

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

522-500
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			70.4	85.1	86.8	88.2	88.2	89.1	89.7	89.7	89.5	90.2	90.2	90.4	90.4	90.4
≥ 4500			70.4	85.2	87.0	88.3	88.3	89.1	89.8	89.8	90.0	90.4	90.4	90.5	90.5	90.5
≥ 4000			81.3	86.7	88.5	90.0	90.0	90.8	91.5	91.6	91.8	92.2	92.3	92.4	92.4	92.4
≥ 3500			81.7	87.4	89.1	90.7	90.7	91.5	92.2	92.3	92.4	92.9	93.0	93.1	93.1	93.1
≥ 3000			82.1	88.7	90.5	92.0	92.0	92.9	93.5	93.7	93.8	94.2	94.4	94.5	94.5	94.5
≥ 2500			83.5	89.1	90.9	92.4	92.4	93.3	94.0	94.1	94.2	94.6	94.8	94.9	94.9	94.9
≥ 2000			85.3	91.1	93.0	94.5	94.5	95.3	96.0	96.2	96.3	96.7	96.8	97.0	97.0	97.0
≥ 1800			85.3	91.1	93.0	94.5	94.5	95.3	96.0	96.2	96.3	96.7	96.8	97.0	97.0	97.0
≥ 1500			85.3	91.1	93.0	94.5	94.5	95.3	96.0	96.2	96.3	96.7	96.8	97.0	97.0	97.0
≥ 1200			85.7	91.8	93.7	95.2	95.2	96.0	96.7	96.8	97.0	97.4	97.5	97.7	97.7	97.7
≥ 1000			85.9	91.9	94.0	95.5	95.5	96.3	97.0	97.1	97.3	97.7	97.8	97.9	97.9	97.9
≥ 900			85.9	91.9	94.0	95.5	95.5	96.3	97.0	97.1	97.3	97.7	97.8	97.9	97.9	97.9
≥ 800			85.9	92.0	94.1	95.6	95.6	96.4	97.1	97.3	97.4	97.8	97.9	98.1	98.1	98.1
≥ 700			85.9	92.0	94.1	95.6	95.6	96.4	97.1	97.3	97.4	97.8	97.9	98.1	98.1	98.1
≥ 600			85.9	92.2	94.2	95.7	95.7	96.6	97.3	97.4	97.5	97.9	98.1	98.2	98.2	98.2
≥ 500			85.9	92.3	94.5	96.0	96.0	96.8	97.5	97.7	97.8	98.2	98.4	98.5	98.5	98.5
≥ 400			85.9	92.3	94.5	96.0	96.2	97.0	97.7	97.8	97.9	98.4	98.5	98.6	98.6	98.6
≥ 300			85.9	92.3	94.5	96.0	96.2	97.0	97.7	97.8	97.9	98.4	98.5	98.6	98.6	98.6
≥ 200			85.9	92.3	94.5	96.0	96.2	97.0	97.7	97.8	97.9	98.4	98.5	98.6	98.6	98.6
≥ 100			85.9	92.3	94.5	96.0	96.2	97.0	97.7	97.9	98.2	98.6	98.9	99.2	99.2	99.2
≥ 50			85.9	92.3	94.5	96.0	96.2	97.0	97.7	97.9	98.2	98.6	98.9	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 728

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6-675
STATION

ARAGUATA AB SP

STATION NAME

72-91

YEAR

FEET
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

200-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥20000																
≥18000																
≥16000																
≥14000																
≥12000																
≥10000																
≥9000																
≥8000																
≥7000																
≥6000																
≥5000			65.7	73.1	76.7	76.8	79.5	82.8	84.7	84.8	85.2	86.1	86.2	86.5	86.7	87.0
≥4500			66.8	73.9	76.9	77.7	80.5	83.7	85.7	85.9	86.3	87.2	87.3	87.6	87.8	88.1
≥4000			68.3	75.7	78.8	79.6	82.7	86.2	87.4	88.5	88.9	89.8	89.9	90.2	90.4	90.7
≥3500			69.9	76.4	79.5	80.3	83.3	86.9	88.1	89.2	89.6	90.4	90.6	90.8	91.1	91.4
≥3000			69.4	76.9	80.2	81.0	84.2	88.4	89.8	91.1	91.7	92.6	92.8	93.0	93.3	93.7
≥2500			70.7	77.9	81.3	82.1	85.2	89.5	90.8	92.2	92.8	93.7	93.9	94.1	94.4	94.9
≥2000			70.9	78.6	82.1	83.1	86.2	90.6	91.9	93.3	93.9	94.6	94.9	95.2	95.5	95.2
≥1800			71.2	78.8	82.5	83.5	86.6	91.0	92.3	93.7	94.3	95.2	95.4	95.6	95.9	96.3
≥1500			71.3	79.0	82.8	83.7	86.9	91.5	92.9	94.3	94.8	95.8	95.9	96.2	96.4	96.9
≥1200			71.6	79.2	83.1	84.0	87.2	91.8	93.2	94.5	95.1	96.0	96.2	96.4	96.7	97.1
≥1000			71.7	79.4	83.2	84.2	87.6	92.5	93.9	95.2	95.8	96.7	96.9	97.1	97.4	97.8
≥900			71.9	79.5	83.3	84.3	87.7	92.6	94.0	95.4	95.9	96.9	97.0	97.3	97.5	98.0
≥800			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥700			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥600			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥500			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥400			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥300			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥200			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥100			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1
≥0			71.9	79.5	83.3	84.3	87.7	92.6	94.1	95.5	96.0	97.0	97.1	97.4	97.7	98.1

TOTAL NUMBER OF OBSERVATIONS 732

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: LARABOZA AB SP

73-51

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1952-1953

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 8000																
≥ 6000																
≥ 5000																
≥ 4500			71.9	77.8	81.5	82.1	83.4	84.6	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4000			77.2	79.0	81.7	83.2	84.6	86.0	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500			75.3	81.3	84.1	85.7	87.3	88.7	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000			77.5	83.7	86.4	88.0	89.6	91.0	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500			77.7	85.3	88.6	90.3	92.2	93.9	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000			77.8	86.1	89.8	91.6	93.5	95.1	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800			80.4	86.6	90.7	92.5	94.4	96.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500			80.6	87.2	91.1	92.9	94.8	96.5	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200			80.9	87.3	91.4	93.2	95.1	96.7	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500			80.9	87.5	91.7	93.5	95.4	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400			81.1	87.6	91.8	93.6	95.6	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300			81.1	87.6	91.8	93.6	95.6	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200			81.1	87.6	91.8	93.6	95.6	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100			81.1	87.6	91.8	93.6	95.6	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0			81.1	87.6	91.8	93.6	95.6	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

PARACOTA AB SP

STATION NAME

73-31

YEARS

FEET

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-2-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			79.9	82.9	83.7	83.9	84.1	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500			81.1	84.7	85.5	85.6	85.9	86.6	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000			84.3	87.8	88.6	88.8	89.3	90.0	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500			85.9	89.7	91.6	91.7	91.4	92.2	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000			88.9	92.6	93.7	93.8	94.5	95.5	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500			89.9	93.7	94.8	94.9	95.6	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000			91.7	95.1	96.3	96.4	97.1	98.1	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800			92.7	95.1	96.3	96.4	97.1	98.1	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500			92.7	95.1	96.3	96.4	97.1	98.1	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200			92.8	95.3	96.6	96.7	97.4	98.4	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3
≥ 1000			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6
≥ 900			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6
≥ 800			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6
≥ 700			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6
≥ 600			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6
≥ 500			92.8	95.3	96.6	96.7	97.4	98.5	99.2	99.2	99.3	99.5	99.5	99.6	99.7	99.7
≥ 400			92.8	95.3	96.6	96.7	97.4	98.5	99.3	99.3	99.5	99.7	99.9	100.0	100.0	100.0
≥ 300			92.8	95.3	96.6	96.7	97.4	98.5	99.3	99.3	99.5	99.7	99.9	100.0	100.0	100.0
≥ 200			92.8	95.3	96.6	96.7	97.4	98.5	99.3	99.3	99.5	99.7	99.9	100.0	100.0	100.0
≥ 100			92.8	95.3	96.6	96.7	97.4	98.5	99.3	99.3	99.5	99.7	99.9	100.0	100.0	100.0
≥ 0			92.8	95.3	96.6	96.7	97.4	98.5	99.3	99.3	99.5	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5-5 CARAGOZA AB SP

72-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1972-1981

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000				83.2	87.1	88.5	88.9	89.7	89.3	89.8	90.3	90.1	90.1	90.1	90.1	90.1
4500				84.2	87.5	89.0	89.4	89.6	90.0	90.5	90.7	90.8	90.8	90.8	90.8	90.8
4000				87.2	90.5	92.0	92.5	92.6	93.1	93.7	93.8	94.7	94.0	94.0	94.0	94.0
3500				88.1	91.5	93.0	93.4	93.6	94.1	94.7	94.8	94.9	94.9	94.9	94.9	94.9
3000				80.0	92.6	94.1	94.5	94.7	95.2	95.9	96.7	96.2	96.2	96.2	96.2	96.2
2500				90.3	93.8	95.3	95.7	95.9	96.4	97.1	97.3	97.4	97.4	97.4	97.4	97.4
2000				97.8	94.4	95.9	96.3	96.4	97.0	97.7	97.8	97.9	97.9	97.9	97.9	97.9
1800				91.2	94.8	96.3	96.7	96.8	97.4	98.1	98.2	98.4	98.4	98.4	98.4	98.4
1500				91.5	95.3	96.8	97.3	97.4	97.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9
1200				91.5	95.3	96.8	97.3	97.4	97.9	98.6	98.8	99.2	99.2	99.2	99.2	99.2
1000				91.6	95.5	97.0	97.4	97.5	98.1	98.8	98.9	99.3	99.3	99.3	99.3	99.3
900				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
800				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
700				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
600				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
500				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
400				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
300				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
200				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
100				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6
0				91.6	95.7	97.3	97.7	97.8	98.4	99.7	99.2	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BRAGAZA AS SP YEARS 72-81 MONTH 1-12

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			92.7	92.2	92.5	92.6	92.6	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4500			91.9	93.2	93.5	93.6	93.6	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000			92.6	95.2	95.3	95.4	95.4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3500			92.9	95.3	95.5	95.7	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000			93.5	95.8	96.1	96.2	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500			94.0	96.4	96.7	96.8	96.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000			94.4	96.8	97.2	97.5	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800			94.7	97.1	97.5	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500			94.8	97.2	97.6	97.9	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200			95.0	97.4	97.8	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000			95.1	97.5	97.9	98.2	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900			95.1	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800			95.1	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700			95.3	97.9	98.3	98.6	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600			95.3	98.1	98.5	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500			95.3	98.1	98.5	98.7	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400			95.3	98.1	98.5	98.7	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300			95.3	98.1	98.5	98.7	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200			95.3	98.1	98.5	98.7	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100			95.3	98.1	98.5	98.7	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9
≥ 0			95.3	98.1	98.5	98.7	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME PARAGUAY AB SP

73-81

FEET

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

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

TOTAL NUMBER OF OBSERVATIONS 5790

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5 WAPAQOZA AB SP

73-81

YEARS

MAP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500 ≥ 4000			94.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3500 ≥ 3000			96.2	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500 ≥ 2000			97.0	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800 ≥ 1500			97.5	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200 ≥ 1000			97.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900 ≥ 800			97.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600			97.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400			97.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			97.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0			97.9	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 767

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

PARAGOZA AB SP

STATION NAME

73-31

YEARS

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-2500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			94.4	95.9	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 4500			94.4	95.9	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 4000			95.3	96.8	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500			96.0	97.4	97.7	97.7	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3000			97.2	98.6	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500			97.3	98.7	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 773

USAF ETAC FORM 121-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

100

4A

~~622-2822~~

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

LARAGOZA AB SP

STATION NAME

73-81

YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

922-1100

000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			65.5	77.0	82.2	85.0	86.9	89.3	89.8	90.5	90.8	91.0	91.0	91.0	91.0	91.0
≥ 4500			65.7	78.0	83.2	86.0	87.9	90.3	90.8	91.5	91.8	92.0	92.0	92.0	92.0	92.0
≥ 4000			70.5	79.5	84.7	87.6	89.5	92.2	92.7	93.7	93.9	94.2	94.2	94.2	94.2	94.2
≥ 3500			71.2	80.2	85.3	88.2	90.1	92.8	93.4	94.4	94.7	94.9	94.9	94.9	94.9	94.9
≥ 3000			73.3	82.3	87.5	90.4	92.3	94.9	95.6	96.6	96.8	97.1	97.1	97.1	97.1	97.1
≥ 2500			73.5	82.4	87.6	90.5	92.4	95.1	95.7	96.7	97.0	97.2	97.2	97.2	97.2	97.2
≥ 2000			74.0	83.2	88.4	91.4	93.4	96.3	97.0	98.2	98.2	98.5	98.5	98.5	98.5	98.5
≥ 1800			74.0	83.2	88.4	91.4	93.4	96.3	97.0	98.0	98.2	98.5	98.5	98.5	98.5	98.5
≥ 1500			74.0	83.3	88.5	91.5	93.6	96.7	97.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9
≥ 1200			74.0	83.3	88.5	91.7	93.7	96.8	97.5	98.5	98.7	99.0	99.0	99.0	99.0	99.0
≥ 1000			74.0	83.3	88.5	91.7	93.7	96.8	97.5	98.5	98.7	99.0	99.0	99.0	99.0	99.0
≥ 900			74.0	83.3	88.5	91.7	93.7	97.0	97.6	98.6	98.9	99.2	99.2	99.2	99.2	99.2
≥ 800			74.0	83.3	88.5	91.7	93.7	97.0	97.6	98.6	98.9	99.2	99.2	99.2	99.2	99.2
≥ 700			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5
≥ 600			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.7	99.0	99.5	99.5	99.5	99.5	99.5
≥ 500			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6
≥ 400			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6
≥ 300			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6
≥ 200			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6
≥ 100			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.7	99.7	99.7	99.7	99.7
≥ 0			74.1	83.4	88.6	91.8	93.8	97.1	97.7	98.9	99.1	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGOZA AB SD

73-61

YEARS

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING																
≥20000																
≥18000																
≥16000																
≥14000																
≥12000																
≥10000																
≥9000																
≥8000																
≥7000																
≥6000																
≥5000			75.6	82.3	85.1	85.7	86.1	86.8	86.8	87.1	87.1	87.0	87.0	87.0	87.0	87.0
≥4500			76.9	83.7	86.5	87.2	87.6	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥4000			82.5	87.3	90.1	91.1	91.5	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥3500			82.6	89.7	92.5	93.5	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥3000			84.6	92.0	94.7	95.7	96.1	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥2500			84.7	92.1	94.9	95.9	96.2	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥2000			85.5	93.2	96.0	97.0	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1800			85.6	93.4	96.1	97.4	97.7	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1600			85.6	93.5	96.2	97.5	98.0	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1400			85.7	93.6	96.4	97.7	98.2	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥1200			85.7	93.6	96.4	97.7	98.2	99.0	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4
≥1000			85.7	93.6	96.4	97.7	98.2	99.0	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4
≥900			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥800			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥700			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥600			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥500			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥400			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥300			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥200			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥100			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥50			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥25			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥10			85.7	93.6	96.4	97.7	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 798

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73-61 STATION NAME LARAGOZA AB SP YEARS 1572-1772
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			85.6	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500			88.2	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000			89.7	92.6	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500			91.7	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000			94.1	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500			94.4	97.5	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000			95.4	98.6	98.9	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800			95.6	98.9	99.1	99.1	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100			95.9	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0			95.0	99.1	99.4	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

255
STATION

ARAGOZA AB SP

STATION NAME

73-81

YEARS

WAD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-7-1977
HOURLY

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

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1605
STATION

LARAGOZA AB SP

STATION NAME

73-61

YEAR

44
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
18000 16000																
14000 12000																
10000 9000																
8000 7000																
6000 5000			95.1	95.2	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
4500 4000			95.5	95.8	95.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
3500 3000			96.5	96.8	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2500 2000			97.7	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1800 1500			98.3	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1200 1000			98.5	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
900 800			98.7	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700 600			99.7	99.0	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500 400			99.7	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300 200			99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100 0			99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
			99.1	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			99.2	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 778

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ARAGONA AB SP YEARS 73-81 MAC ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			65.7	89.2	91.7	91.4	91.8	92.4	92.6	92.7	92.8	92.5	92.9	92.9	92.9	92.9
≥ 4500 ≥ 4000			85.3	89.9	91.4	92.1	92.5	93.1	93.7	93.4	93.5	93.5	93.6	93.6	93.6	93.6
≥ 3500 ≥ 3000			67.9	91.6	93.1	93.9	94.3	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500 ≥ 2000			89.9	92.6	94.1	94.9	95.3	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800 ≥ 1500			90.5	94.3	95.8	96.6	97.0	97.7	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2
≥ 1200 ≥ 1000			97.7	94.5	96.0	96.8	97.2	97.9	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900 ≥ 800			91.2	95.1	96.6	97.5	97.9	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥ 700 ≥ 600			91.2	95.2	96.7	97.6	98.0	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 500 ≥ 400			91.3	95.3	96.8	97.7	98.2	99.0	99.1	99.3	99.3	99.4	99.4	99.5	99.5	99.5
≥ 300 ≥ 200			91.4	95.4	96.9	97.8	98.3	99.0	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 0			91.4	95.4	96.9	97.9	98.3	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 0			91.4	95.5	97.0	97.9	98.3	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0			91.5	95.5	97.0	98.0	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5090

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

PARACOTA AB SP

STATION NAME

73-81

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

73-81

PERCENT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			93.7	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4500			94.3	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4000			95.5	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500			95.9	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000			97.1	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500			97.5	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000			98.2	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800			98.7	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500			98.7	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200			98.7	98.9	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400			98.7	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300			98.7	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			98.7	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			98.7	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			98.7	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 761

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME ARAPAHO AB SP

73-81

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

73-81
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
≥ 18000 ≥ 6000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9500																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500 ≥ 4000			92.3	93.2	93.6	93.8	93.8	93.5	93.9	93.7	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3500 ≥ 3000			92.2	93.8	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500 ≥ 2000			92.2	94.8	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800 ≥ 1500			94.4	95.8	96.7	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200 ≥ 1000			95.5	96.8	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900 ≥ 800			96.7	97.3	98.7	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700 ≥ 600			96.7	98.1	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500 ≥ 400			96.9	98.4	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300 ≥ 200			97.2	98.7	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 50			97.2	98.7	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 50			97.3	98.8	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 50			97.3	98.9	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 50			97.3	98.9	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 50			97.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 50			97.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 50			97.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 50			97.3	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 754

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGDOZA AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

632-7-8-77

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000			76.9	81.7	83.9	85.9	86.8	88.4	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9
4500			77.5	81.7	84.6	86.5	87.5	89.0	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5
4000			70.6	83.8	86.7	88.8	89.7	91.2	91.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9
3500			80.7	84.6	87.5	89.7	90.6	92.3	92.4	92.7	92.7	92.9	92.9	92.9	92.9	92.9
3000			82.2	86.7	89.5	91.8	92.7	94.5	94.6	95.1	95.1	95.3	95.3	95.3	95.3	95.3
2500			82.5	87.1	90.1	92.3	93.2	95.0	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8
2000			83.7	88.2	91.2	93.6	94.8	96.6	96.7	97.1	97.1	97.4	97.4	97.4	97.4	97.4
1900			83.5	88.4	91.4	93.7	94.9	96.7	96.9	97.3	97.3	97.5	97.5	97.5	97.5	97.5
1500			83.9	88.9	92.0	94.4	95.6	97.4	97.5	97.9	97.9	98.2	98.2	98.2	98.2	98.2
1200			84.2	89.2	92.3	94.6	95.8	97.6	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4
1000			84.3	89.3	92.5	95.0	96.2	98.0	98.2	98.6	98.6	98.8	98.8	98.8	98.8	98.8
900			84.3	89.3	92.7	95.2	96.3	98.2	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0
800			84.4	89.7	93.1	95.6	96.9	98.7	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5
700			84.7	89.9	93.5	95.9	97.3	99.1	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9
600			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
500			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
400			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
300			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
200			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
100			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
0			84.8	90.1	93.6	96.1	97.4	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 765

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5 LAPASOZA AB SP STATION NAME

73-61 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1922-1929
HOURS 51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			74.6	81.2	85.1	86.7	87.7	87.6	87.9	88.7	88.7	88.2	88.2	88.2	88.2	88.2
IV 4500			75.7	82.2	86.1	87.9	88.2	88.8	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3
IV 4000			77.7	84.3	88.3	90.1	90.3	91.7	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5
IV 3500			79.6	85.7	89.7	91.5	91.8	92.5	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.1
IV 3000			81.2	87.5	91.6	93.6	93.8	94.7	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV 2500			81.4	87.8	92.1	94.1	94.7	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1
IV 2000			81.1	88.7	93.1	95.7	95.6	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0
IV 1800			81.3	88.9	93.3	95.2	95.9	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3
IV 1500			81.9	89.7	94.1	96.7	96.7	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1
IV 1200			82.2	90.2	94.7	96.7	97.3	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7
IV 1000			82.6	90.6	95.2	97.3	97.9	98.8	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5
IV 900			82.6	90.9	95.5	97.6	98.2	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7
IV 800			82.6	90.9	95.5	97.6	98.2	99.2	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9
IV 700			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 600			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 500			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 400			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 300			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 200			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 100			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 0			82.8	91.0	95.6	97.7	98.3	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 777

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME CARACAZA AB SP

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-1-1422

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 703

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARAJOTA AB SP YEARS 73-81 APP 15-7-77
STATION NAME PARAJOTA AB SP HOURS 15

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			85.7	87.2	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500			86.3	88.6	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000			92.6	92.9	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500			93.1	95.4	96.4	96.4	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000			94.9	97.3	98.5	98.5	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500			95.7	97.4	98.6	98.6	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000			95.4	97.8	99.7	99.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800			95.4	97.8	99.7	99.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500			95.4	97.8	99.7	99.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200			95.4	97.8	99.7	99.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000			95.4	97.9	99.1	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			95.4	97.9	99.1	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800			95.4	97.9	99.1	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700			95.4	97.9	99.1	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			95.4	98.1	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 73

CEILING VERSUS VISIBILITY

4 p 2

1977-2000

TOTAL NUMBER OF OBSERVATIONS 778

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARAGUARI AB SP

72-81

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			92.8	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 4500 ≥ 4000			93.4	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3500 ≥ 3000			95.2	96.0	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500 ≥ 2000			96.1	96.9	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800 ≥ 1500			97.3	98.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200 ≥ 1000			97.4	98.2	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900 ≥ 800			97.5	98.4	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700 ≥ 600			97.5	98.4	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500 ≥ 400			97.7	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300 ≥ 200			97.7	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 0			97.7	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0			97.8	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0			97.9	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.9	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.9	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.9	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.9	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.9	99.0	99.5	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 768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

51605
STATION

ZARAGOZA AB SP

STATION NAME

73-61

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			85.6	88.1	89.4	89.9	90.1	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6
≥ 4500			86.5	89.1	90.4	90.9	91.1	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6
≥ 4000			87.1	91.5	92.8	93.4	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3500			90.2	92.9	94.3	94.9	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000			91.8	94.6	96.1	96.7	96.9	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500			92.7	94.9	96.5	97.2	97.4	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000			92.6	95.5	97.1	97.8	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
≥ 1800			92.7	95.6	97.2	97.9	98.2	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500			92.9	95.8	97.5	98.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200			93.1	96.0	97.6	98.3	98.6	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 1000			93.1	96.1	97.8	98.5	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900			93.1	96.2	97.9	98.6	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 800			93.2	96.3	98.0	98.8	99.1	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 700			93.3	96.4	98.1	98.8	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600			93.3	96.4	98.2	98.9	99.2	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500			93.3	96.5	98.2	98.9	99.2	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400			93.3	96.5	98.2	98.9	99.2	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300			93.3	96.5	98.2	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200			93.3	96.5	98.2	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100			93.3	96.5	98.2	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0			93.3	96.5	98.2	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5166

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73-81 LARAGOZA AB SP STATION NAME

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000			94.9	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
4500			95.7	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
4000			95.7	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
3500			96.3	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
3000			98.2	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2500			98.5	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1500			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900			98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0			99.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1965

VARAGOZA AB SP

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

330-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000																
≥ 18000 IV 16000																
≥ 14000 IV 12000																
≥ 10000 IV 9000																
≥ 8000 IV 7000																
≥ 6000 IV 5000				93.5	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 4500 IV 4000			94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥ 3500 IV 3000			95.3	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 2500 IV 2000			96.8	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 1800 IV 1500			97.8	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 1200 IV 1000			97.8	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 900 IV 800			98.1	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 700 IV 600			98.3	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500 IV 400			98.6	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 300 IV 200			98.6	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100 IV 0			98.6	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0-14-5
STATION

JARAGOZA AB SP

STATION NAME

73-81

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7622-7675
HOURS

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

TOTAL NUMBER OF OBSERVATIONS 607

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 151605 LARABOZA AB SP
STATION NAME

73-81

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1800
HOURS

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

TOTAL NUMBER OF OBSERVATIONS 613

USAF ETAC FORM 101-66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
165

ARAGOZA AS SP

73-81

YEARS

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000																
IV 18000 IV 16000																
IV 14000 IV 12000																
IV 10000 IV 9000																
IV 8000 IV 7000																
IV 6000 IV 5000			67.2	38.6	58.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 4500 IV 4000			68.8	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500 IV 3000			92.1	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500 IV 2000			93.5	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1800 IV 1500			96.3	98.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200 IV 1000			96.4	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900 IV 800			96.6	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700 IV 600			96.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 IV 400			96.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 IV 200			96.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 IV 0			96.7	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION LAPAGOLA AB SP

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING ≥ 20000																
≥ 18000 ≥ 6000																
≥ 14000 ≥ 2000																
≥ 12000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			86.0	97.3	97.0	88.0	98.7	98.0	98.7	98.0	98.7	98.0	98.7	98.0	98.7	98.0
≥ 4500 ≥ 4000			89.4	89.9	97.5	90.6	97.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3500 ≥ 3000			93.7	94.2	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500 ≥ 2000			94.0	95.4	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 2100 ≥ 1800			96.5	97.9	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 1700 ≥ 1500			96.5	97.9	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3
≥ 1300 ≥ 1000			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 900 ≥ 800			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 700 ≥ 600			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 500 ≥ 400			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 300 ≥ 200			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
≥ 100 ≥ 0			97.0	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS 11

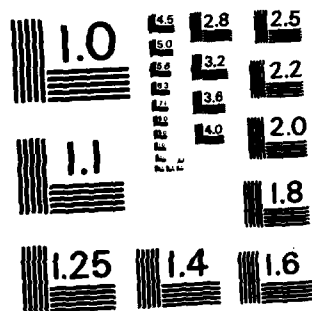
AD A138 281

ZARAGOZA AIR BASE SPAIN REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 DEC 83
USAFETAC/DS-83/051 SBI-AD-E850 504 F/G 4/2

3/5

NL

UNCLASSIFIED



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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

655

ZARAGOZA AB SP

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			88.6	90.1	91.4	92.6	93.6	94.8	95.8	96.8	97.8	98.8	99.8	99.8	99.8	99.8
≥ 4500			89.8	91.2	91.8	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4000			93.1	94.7	95.3	95.4	95.4	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500			94.2	95.8	96.4	96.5	96.5	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000			95.9	97.5	98.3	98.4	98.4	98.5	99.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500			96.2	97.9	98.9	99.0	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000			96.2	97.9	99.0	99.3	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800			96.2	97.9	99.0	99.3	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			96.2	98.0	99.1	99.4	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
CARAGOZA AB SP

73-81

YEARS

MONTHS
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			91.5	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
≥ 4500			92.0	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4000			93.4	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 3500			93.8	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000			95.6	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500			96.3	97.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000			97.3	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800			97.3	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500			97.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500			97.4	98.9	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400			97.5	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300			97.5	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			97.5	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			97.5	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			97.5	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 61635 PARAGOZA AB SP STATION NAME 73-81 YEARS MAY MONTH ALL HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS 6428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGOZA AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1963-1967

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 4500			96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 4000			97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 3500			97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 3000			98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 2500			98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 2000			99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 1800			99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 1500			99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 1200			99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 1000			99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 900			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 800			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 700			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 600			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0			99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 777

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73-81
STATION NAME

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000																
≥ 18000 IV 16000																
IV 14000 IV 12000																
IV 10000 IV 9000																
IV 8000 IV 7000																
IV 6000 IV 5000			94.7	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6
IV 4500 IV 4000			94.7	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6
IV 3500 IV 3000			96.1	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2
IV 2500 IV 2000			96.9	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
IV 1800 IV 1500			97.2	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
IV 1200 IV 1000			97.2	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
IV 900 IV 800			97.5	98.2	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 700 IV 600			97.5	98.2	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 500 IV 400			98.1	99.0	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV 300 IV 200			98.1	99.0	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV 100 0			98.1	99.0	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 775

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

61505
STATION

CARAGOZA AB SP
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-1800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 9000 ≥ 7000																
≥ 6000 ≥ 5000			77.7	89.2	91.9	93.1	94.7	94.5	94.5	94.6	94.6	94.6	94.7	94.8	94.8	94.8
≥ 4500 ≥ 4000			87.1	89.5	92.3	93.5	94.3	94.8	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 3500 ≥ 3000			87.7	90.2	92.9	94.1	95.1	95.6	95.6	95.7	95.7	95.7	95.8	96.7	96.7	96.7
≥ 2500 ≥ 2000			81.5	91.1	93.8	95.0	96.0	96.5	96.5	96.6	96.6	96.6	96.7	96.9	96.9	96.9
≥ 1800 ≥ 1500			82.1	91.7	94.6	96.0	97.0	97.5	97.5	97.6	97.6	97.6	97.7	97.9	97.9	97.9
≥ 1200 ≥ 1000			82.1	91.7	94.6	96.0	97.4	98.0	98.7	98.1	98.1	98.1	98.2	98.4	98.4	98.4
≥ 900 ≥ 800			82.2	91.8	94.7	96.1	97.6	98.2	98.2	98.4	98.4	98.4	98.5	98.6	98.6	98.6
≥ 700 ≥ 600			82.2	91.8	94.7	96.1	97.7	98.4	98.4	98.5	98.5	98.5	98.6	98.7	98.7	98.7
≥ 500 ≥ 400			82.2	92.1	95.0	96.3	98.0	98.6	98.6	98.7	98.7	98.7	98.9	99.0	99.0	99.0
≥ 300 ≥ 200			82.2	92.1	95.0	96.3	98.0	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.1
≥ 100 ≥ 0			82.2	92.1	95.0	96.3	98.0	98.6	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.2
			82.2	92.1	95.0	96.3	98.0	98.7	99.0	99.1	99.1	99.1	99.2	99.4	99.4	99.4
			82.7	92.2	95.1	96.5	98.1	98.9	99.1	99.2	99.2	99.2	99.4	99.5	99.5	99.5
			82.2	92.3	95.2	96.6	98.2	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6
			82.2	92.3	95.2	96.6	98.2	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.7
			82.2	92.3	95.2	96.6	98.2	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.7
			82.2	92.3	95.2	96.6	98.2	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 655 CARADOZA AB SP YEARS 73-81 MONTH JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1973-1981
 HOUR 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.1	≥.05	≥.01	≥.005	≥.001	≥0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1600																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

91605
STATION

LARAGOZA AB SP
STATION NAME

73-81
YEARS

1200-1400
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			91.3	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4500			91.8	93.7	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000			92.7	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 3500			93.1	95.1	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000			94.6	96.7	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500			95.0	97.2	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000			95.2	97.5	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800			95.2	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500			95.3	97.7	98.1	98.5	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200			95.5	97.9	98.2	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000			95.6	98.1	98.6	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900			95.7	98.2	98.7	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800			95.7	98.2	98.9	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700			95.7	98.2	98.9	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			95.8	98.4	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARACUZA AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1507-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000				87.7	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
4500				90.1	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
4000				94.4	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
3500				94.9	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
3000				96.1	97.1	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2500				97.1	98.1	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2000				97.1	98.1	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1800				97.2	98.2	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500				97.7	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200				97.9	98.9	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000				98.7	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900				98.0	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800				98.7	99.1	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700				98.7	99.1	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600				98.7	99.1	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0				98.7	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
13505

STATION NAME
ZARAGOZA AB SP

YEARS
73-81

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-2000
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			80.6	90.6	97.7	90.9	93.9	91.2	91.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4500			91.0	92.0	92.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 4000			94.4	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500			95.7	97.0	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3000			96.9	98.1	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2500			97.5	98.7	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800			97.7	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700			97.9	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600			97.9	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			97.9	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6-55 ARAGOZA AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21-2-2700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 4500			93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000			96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500			97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000			97.6	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500			99.2	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000			99.4	99.1	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800			99.4	99.1	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500			99.4	99.1	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400			99.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0			98.5	99.4	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 789

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 575 STATION NAME LARAGOZA AB SP

73-81

YEARS

MO. YR.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
MO. YR.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
W 18000 V 16000																
W 14000 V 12000																
W 10000 V 9000																
W 8000 V 7000																
W 6000 V 5000			87.9	92.3	92.9	93.1	93.2	93.3	93.3	93.4	97.4	93.4	93.4	93.4	93.4	93.4
W 4500 V 4000		91.5	92.9	93.5	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
W 3500 V 3000		92.3	94.8	95.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
W 2500 V 2000		92.9	95.5	96.2	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
W 2000 V 1800		93.9	96.5	97.1	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.2	98.2
W 1800 V 1500		94.2	96.9	97.6	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
W 1500 V 1200		94.5	97.2	97.9	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
W 1200 V 1000		94.5	97.2	98.0	98.4	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
W 1000 V 900		94.6	97.4	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
W 900 V 800		94.7	97.5	98.3	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
W 800 V 700		94.8	97.6	98.4	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
W 700 V 600		94.8	97.6	98.4	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
W 600 V 500		94.8	97.7	98.5	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
W 500 V 400		94.8	97.7	98.5	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
W 400 V 300		94.8	97.8	98.6	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
W 300 V 200		94.8	97.8	98.6	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
W 200 V 100		94.8	97.8	98.6	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
W 100 V 0		94.8	97.8	98.6	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5326

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

141605 LAPAZOLA AB SP

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			99.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500 ≥ 4000			99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3500 ≥ 3000			99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500 ≥ 2000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 114

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
51605

STATION NAME
LARGOZA AB SP

YEARS
73-61

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ 5/16	≥ .2	≥ 0
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			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
IV 4500			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
IV 4000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 0			100.0	100.0	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 802

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6-5 ARAGOZA AB SP

72-61

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

633-2822
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			97.6	96.7	97.6	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4500 ≥ 4000			91.1	97.2	98.0	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500 ≥ 3000			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500 ≥ 2000			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800 ≥ 1500			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200 ≥ 1000			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900 ≥ 800			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700 ≥ 600			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500 ≥ 400			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300 ≥ 200			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100 ≥ 0			91.6	97.7	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4405
STATION

VARAGOZA AB SP

73-81

YEARS

1977-1978

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1978

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

819

USAF ETAC

FORM 84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGOZA AB SP

77-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800
HOURS

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

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AD-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ECUS ARAGOZA AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 4500			97.9	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
IV 4000			98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3500			99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000			99.2	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
IV 2500			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 826

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ZARAGOZA AB SP

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING ≥ 20000																
≥ 18000 N 16000																
N 14000 N 12000																
N 10000 N 9000																
N 8000 N 7000																
N 6000 N 5000			95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4500 N 4000			96.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500 N 3000			97.7	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500 N 2000			98.3	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800 N 1500			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 N 1000			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 N 800			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 N 600			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 N 400			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 N 200			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 N 0			98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6605

PARAGOZA AB SP

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

210-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			95.5	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 4500			97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000			98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3500			98.7	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3000			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 655 PARAGOZA AB SP

73-81

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			95.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500 ≥ 4000			96.7	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500 ≥ 3000			97.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500 ≥ 2000			97.5	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800 ≥ 1500			97.7	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200 ≥ 1000			97.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800			97.7	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600			97.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400			97.8	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			97.8	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0			97.8	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6554

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

CARAGOZA AB SP

73-81

YEARS

AVG

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4500			97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 4000			99.8	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
IV 3500			98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3000			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
IV 2500			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
IV 2000			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
IV 1800			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
IV 1500			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
IV 1200			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
IV 1000			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
IV 900			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
IV 800			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
IV 700			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
IV 600			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
IV 500			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
IV 400			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
IV 300			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
IV 200			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
IV 100			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
IV 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

TOTAL NUMBER OF OBSERVATIONS

832

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-5

ARAGONA AB SP

73-81

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1322-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			97.9	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4500			97.9	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000			98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3500			98.4	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3000			98.7	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500			98.7	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000			98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800			99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

PARAGUAY AB SP

STATION NAME

73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1000
500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			83.7	92.1	94.2	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500 ≥ 4000			83.2	92.2	94.3	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500 ≥ 3000			84.7	93.4	95.5	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500 ≥ 2000			85.7	94.3	96.5	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800 ≥ 1500			85.4	94.8	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200 ≥ 1000			85.6	95.1	97.5	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900 ≥ 800			86.3	95.8	98.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700 ≥ 600			86.4	95.9	98.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400			86.5	96.0	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			86.5	96.0	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0			86.5	96.0	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ARAGUOZA AB SP STATION NAME

73-81 YEAR

AMC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

922-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256
NO CEILING ≥ 20000															
≥ 18000 ≥ 16000															
≥ 14000 ≥ 12000															
≥ 10000 ≥ 9000															
≥ 8000 ≥ 7000															
≥ 6000 ≥ 5000			85.1	93.4	94.8	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3
≥ 4500 ≥ 4000			85.7	93.5	94.9	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4
≥ 3500 ≥ 3000			85.4	93.6	95.0	95.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
≥ 2500 ≥ 2000			86.7	95.3	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
≥ 1800 ≥ 1500			87.3	96.0	97.5	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1200 ≥ 1000			88.2	97.2	98.9	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 900 ≥ 800			88.4	97.5	99.2	99.4	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 600			88.4	97.5	99.2	99.4	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400			88.6	97.7	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200			88.6	97.7	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100 U			88.6	97.7	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARAGUAY AB SP STATION NAME

73-81

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-1977

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			95.7	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 4500			96.1	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4000			96.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500			96.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000			97.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000			97.9	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0			97.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
 JEPETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME ARAGUATA AB SP

73-51

YEARS

LOC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000			95.2	96.1	96.1	96.1	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
4500			96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
4000			98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
3500			99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
3000			99.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.3
2500			99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2000			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800			99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500			99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200			99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000			99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100			99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0			99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 15-5

ARAGUAYA AB SP

STATION NAME

73-51

YEARS

DATE

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1900-2000
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING																
≥20000																
≥18000																
≥16000																
≥14000																
≥12000																
≥10000																
≥9000																
≥8000																
≥7000																
≥6000																
≥5000																
≥4500																
≥4000																
≥3500																
≥3000																
≥2500																
≥2000																
≥1800																
≥1600																
≥1400																
≥1200																
≥1000																
≥900																
≥800																
≥700																
≥600																
≥500																
≥400																
≥300																
≥200																
≥100																
≥50																

TOTAL NUMBER OF OBSERVATIONS 832

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARAGUAY AB SP YEARS 75-81 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21.0-2300
HOURS T.S.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7
≥ 4500 ≥ 4000			96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3500 ≥ 3000			98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500 ≥ 2000			99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7
≥ 1800 ≥ 1500			99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0			99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
655

STATION NAME
LARAJOZA AB SP

YEARS
73-81

ALL
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			93.1	95.7	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 4500			93.4	95.9	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 4000			94.6	97.3	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3500			95.1	97.9	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000			95.6	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2500			95.9	98.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000			96.1	98.9	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800			96.1	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500			96.1	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			96.2	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6633

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

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGOA AB SP

STATION NAME

73-81

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0000
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4500			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4000			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3500			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3000			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0			99.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME PARAGUETA AB SP

73-81

YEARS

SEP

729-7500
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4500 ≥ 4000			98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3500 ≥ 3000			98.3	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500 ≥ 2000			98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800 ≥ 1500			98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200 ≥ 1000			98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900 ≥ 800			98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700 ≥ 600			98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500 ≥ 400			98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300 ≥ 200			98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 0			98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 805

GLOBAL CLIMATOLOGY BRANCH
 JCETAC
 AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARACUZA AB SP

73-61

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1600-2000
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
18000 16000																
14000 12000																
10000 9000																
8000 7000																
6000 5000																
4500 4000			70.9	86.6	88.5	90.2	91.3	92.5	92.8	93.3	93.4	93.4	93.4	93.5	93.5	93.5
3500 3000			70.1	86.8	89.8	90.4	91.5	92.9	93.2	93.7	93.8	93.8	93.8	93.9	93.9	93.9
2500 2000			70.5	87.3	89.4	91.3	92.4	94.0	94.3	94.8	94.9	94.9	94.9	95.0	95.0	95.0
1800 1500			70.5	87.4	89.6	91.7	92.9	94.5	94.8	95.3	95.4	95.4	95.4	95.5	95.5	95.5
1200 1000			70.7	87.9	92.0	92.2	93.4	95.0	95.4	95.9	96.0	96.0	96.0	96.1	96.1	96.1
900 800			80.0	88.3	90.4	92.5	93.8	95.4	95.8	96.3	96.4	96.4	96.4	96.5	96.5	96.5
700 600			80.2	88.9	91.2	93.3	94.5	96.1	96.5	97.0	97.1	97.1	97.1	97.3	97.3	97.3
500 400			80.5	89.3	91.5	93.7	94.9	96.5	96.9	97.4	97.5	97.5	97.5	97.6	97.6	97.6
300 200			80.5	89.4	91.7	93.8	95.0	96.6	97.0	97.5	97.6	97.6	97.6	97.8	97.8	97.8
100 50			80.8	90.2	92.5	94.7	95.9	97.6	98.0	98.4	98.5	98.6	98.6	98.8	98.8	98.8
			81.0	90.3	92.8	94.9	96.1	97.9	98.3	98.8	98.9	98.9	98.9	99.0	99.0	99.0
			81.1	90.4	92.9	95.0	96.3	98.0	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.1
			81.1	90.4	92.9	95.0	96.3	98.0	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.1
			81.1	90.5	93.0	95.1	96.4	98.1	98.5	99.0	99.1	99.1	99.1	99.3	99.3	99.3
			81.1	90.5	93.0	95.1	96.4	98.1	98.5	99.0	99.1	99.1	99.1	99.3	99.3	99.3
			81.1	90.5	93.2	95.3	96.5	98.3	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6
			81.1	90.5	93.2	95.3	96.5	98.3	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6
			81.1	90.5	93.2	95.3	96.5	98.3	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6
			81.1	90.5	93.2	95.3	96.5	98.3	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 874

CEILING VERSUS VISIBILITY

432

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922-112

CEILING FEET	VISIBILITY STATUTE MILES																	
	10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	
NO CEILING 20000																		
18000 16000																		
14000 12000																		
10000 9000																		
8000 7000																		
6000 5000																		
4500 4000				75.5	85.0	89.4	90.5	90.6	91.6	92.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5	
3500 3000				75.5	85.0	89.4	90.6	90.8	91.8	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6	
2500 2000				76.7	86.4	91.0	92.3	92.5	93.5	93.9	94.1	94.1	94.4	94.4	94.4	94.4	94.4	
1800 1500				76.8	86.8	91.6	92.9	93.4	94.4	94.9	95.0	95.0	95.3	95.3	95.3	95.3	95.3	
1200 1000				77.2	87.6	92.6	94.0	94.5	95.6	96.0	96.3	96.3	96.5	96.5	96.5	96.5	96.5	
900 800				77.4	87.9	92.9	94.3	94.8	95.9	96.3	96.5	96.5	96.8	96.8	96.8	96.8	96.8	
700 600				77.7	88.6	94.0	95.5	96.0	97.1	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	
500 400				77.7	88.6	94.0	95.6	96.1	97.4	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	
300 200				78.0	89.3	94.9	96.6	97.0	98.3	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	
100				78.0	89.1	94.9	96.6	97.1	98.4	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	
50				78.0	89.1	94.9	96.6	97.1	98.4	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	
30				78.0	89.1	94.9	96.6	97.1	98.5	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	
20				78.0	89.1	94.9	96.6	97.1	98.5	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	
10				78.0	89.1	94.9	96.6	97.1	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	
5				78.0	89.1	94.9	96.6	97.1	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	
3				78.0	89.1	94.9	96.6	97.1	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	
2				78.0	89.1	94.9	96.6	97.1	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	
1				78.0	89.1	94.9	96.6	97.1	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS 601

USAF ETAC ^{Rev}_{Feb 64} 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME SARAGOZA AB SP

YEAR 73-81

DATE 12-2-1980

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			91.5	94.6	95.5	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4500 ≥ 4000			92.1	95.3	96.1	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3500 ≥ 3000			93.4	96.6	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2500 ≥ 2000			93.6	96.9	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800 ≥ 1500			94.4	97.4	98.4	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200 ≥ 1000			94.4	97.8	98.8	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900 ≥ 800			94.4	97.8	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700 ≥ 600			94.4	97.9	98.9	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400			94.4	98.0	99.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200			94.4	98.0	99.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 50			94.4	98.0	99.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0			94.4	98.0	99.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME LARABOJA AB SP

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1512-1722

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING ≥ 20000															
≥ 18000 ≥ 6000															
≥ 14000 ≥ 2000															
≥ 10000 ≥ 9000															
≥ 8000 ≥ 7000															
≥ 6000 ≥ 5000			96.5	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 4500 ≥ 4000			97.7	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500 ≥ 3000			98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500 ≥ 2000			98.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800 ≥ 1500			98.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000			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
≥ 800 ≥ 600			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
≥ 500 ≥ 400			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
≥ 300 ≥ 200			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			98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 15-00 ANAGORA AB SP STATION NAME 73-61 YEARS 1970-2000 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			96.1	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.1
4500			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	97.9
4000			98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
3500			98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
3000			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.7
2500			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2000			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1500			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0			98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 872

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

5
STATION

PARAGUZA AB SP

STATION NAME

73-81

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			97.7	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 4500 ≥ 4000			97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 3500 ≥ 3000			98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500 ≥ 2000			99.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 1800 ≥ 1500			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0			99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

805

USAF ETAC

FORM
1 JUL 64

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

GLOBAL CLIMATOLOGY BRANCH
ETAC/ITAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. APACOLA AB SD STATION NAME APACOLA AB SD

73-81

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			91.5	94.3	95.3	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4
≥ 4500			91.7	94.6	95.7	96.1	96.2	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 4000			92.7	95.5	96.6	97.1	97.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3500			92.9	95.8	96.9	97.4	97.5	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000			93.3	96.3	97.4	97.9	98.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500			93.4	96.4	97.5	98.1	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000			93.5	96.6	97.8	98.3	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800			93.5	96.7	97.9	98.4	98.6	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 1500			93.5	96.7	97.9	98.4	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 1200			93.6	96.9	98.1	98.7	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1000			93.6	96.9	98.2	98.8	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 900			93.7	96.9	98.2	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 800			93.7	96.9	98.2	98.8	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 700			93.7	97.0	98.2	98.8	99.0	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 600			93.7	97.0	98.3	98.8	99.0	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 400			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 300			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 0			93.7	97.0	98.3	98.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5425

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
14-5

PARAGUAY AFB SP

STATION NAME

73-21

YEARS

1971-1972

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			94.7	95.5	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.6	96.6	96.6
≥ 4500			94.1	95.7	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.7	96.7	96.7
≥ 4000			94.6	96.4	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.5	97.5	97.5
≥ 3500			95.7	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.3	98.7	98.7
≥ 3000			96.5	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2
≥ 2500			96.6	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.3	99.3	99.3
≥ 2000			96.7	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.4
≥ 1800			96.7	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.4
≥ 1500			96.7	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.4
≥ 1200			96.9	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.5
≥ 1000			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 900			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 800			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 700			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 600			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 500			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 400			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 300			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 200			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 100			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6
≥ 0			97.1	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 625

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5 CARAGODA AB SP STATION NAME

72-87

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72-87

MOON

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9500																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			97.1	94.3	94.7	95.1	95.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	96.7	96.4
≥ 4500			97.2	94.4	94.8	95.1	95.3	95.4	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.5
≥ 4000			97.9	95.1	95.5	95.9	96.0	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.8	97.2
≥ 3500			94.4	95.0	96.4	96.7	96.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1
≥ 3000			95.3	96.5	96.8	97.2	97.3	97.4	97.9	97.9	97.9	97.9	97.9	97.9	98.2	98.5
≥ 2500			95.3	96.5	96.8	97.2	97.3	97.4	97.9	97.9	97.9	97.9	97.9	97.9	98.2	98.5
≥ 2000			95.4	96.8	97.2	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.9
≥ 1800			95.4	96.8	97.2	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.9
≥ 1500			95.6	97.1	97.4	97.8	97.9	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.8	99.1
≥ 1200			95.6	97.2	97.6	97.9	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.3
≥ 1000			95.6	97.2	97.6	97.9	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.3
≥ 900			95.7	97.3	97.7	98.1	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.4
≥ 800			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 700			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 600			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 500			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 400			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 300			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 200			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 100			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6
≥ 0			95.7	97.3	97.7	98.1	98.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION LAGAJOZA AB SP YEAR 73-81 MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

610-7800
NOV 73

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			81.3	85.7	86.9	88.1	88.7	90.1	90.7	91.2	91.2	91.3	91.3	91.5	91.5	92.1
≥ 4500			81.5	85.8	87.0	88.1	88.8	90.2	90.8	91.2	91.2	91.4	91.4	91.5	91.8	92.0
≥ 4000			82.5	86.9	88.1	89.2	89.9	91.4	92.1	92.5	92.6	92.7	92.7	93.0	93.1	93.5
≥ 3500			83.5	87.9	89.1	90.2	90.9	92.4	93.1	93.5	93.6	93.7	93.7	93.9	94.1	94.5
≥ 3000			84.7	88.6	89.9	91.0	91.8	93.2	94.1	94.4	94.5	94.7	94.7	94.9	95.0	95.5
≥ 2500			84.7	89.1	90.4	91.5	92.2	93.7	94.5	94.9	95.0	95.2	95.2	95.4	95.5	96.0
≥ 2000			84.7	89.3	90.8	91.9	92.6	94.1	94.9	95.3	95.4	95.5	95.5	95.8	95.9	96.4
≥ 1800			84.8	89.5	91.0	92.1	92.8	94.4	95.3	95.6	95.8	95.9	95.9	96.1	96.2	96.7
≥ 1500			85.7	89.7	91.3	92.5	93.3	95.0	95.9	96.2	96.4	96.5	96.5	96.8	97.0	97.5
≥ 1200			85.7	89.8	91.4	92.6	93.5	95.2	96.0	96.4	96.5	96.6	96.6	97.0	97.1	97.5
≥ 1000			85.1	90.1	91.8	93.2	94.1	96.0	96.8	97.2	97.3	97.5	97.5	97.8	97.9	98.4
≥ 900			85.1	90.1	91.8	93.2	94.1	96.0	96.8	97.2	97.3	97.5	97.5	97.8	97.9	98.4
≥ 800			85.2	90.2	92.1	93.6	94.4	96.5	97.3	97.7	97.8	97.9	97.9	98.3	98.4	99.0
≥ 700			85.2	90.2	92.1	93.6	94.4	96.5	97.3	97.7	97.8	97.9	97.9	98.3	98.4	99.0
≥ 600			85.2	90.2	92.1	93.6	94.4	96.5	97.3	97.7	97.8	98.1	98.1	98.4	98.5	99.2
≥ 500			85.2	90.2	92.1	93.6	94.4	96.5	97.3	97.7	97.8	98.1	98.1	98.4	98.5	99.2
≥ 400			85.2	90.2	92.1	93.6	94.4	96.5	97.3	97.7	97.8	98.1	98.1	98.4	98.5	99.2
≥ 300			85.2	90.2	92.1	93.6	94.4	96.7	97.7	98.1	98.2	98.4	98.4	98.8	98.9	99.6
≥ 200			85.2	90.2	92.1	93.6	94.4	96.7	97.7	98.1	98.2	98.4	98.4	98.8	98.9	99.8
≥ 100			85.2	90.2	92.1	93.6	94.4	96.7	97.7	98.1	98.2	98.4	98.4	98.8	98.9	99.8
≥ 0			85.2	90.2	92.1	93.6	94.4	96.7	97.7	98.1	98.2	98.4	98.4	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 625

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 5 ARACORA AB SP

75-31

001

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1959

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO. CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000				70.9	79.1	81.3	83.4	84.1	85.4	86.3	86.5	86.8	86.8	87.0	87.1	87.2
≥ 4500				71.1	79.3	81.6	83.8	84.7	86.2	87.0	87.2	87.5	87.5	87.7	87.8	88.0
≥ 4000				70.2	80.5	82.8	85.0	85.9	87.5	88.3	88.6	88.8	88.9	89.2	89.3	89.4
≥ 3500				70.7	81.0	83.3	85.7	86.6	88.2	89.2	89.4	89.7	90.0	90.3	90.4	90.5
≥ 3000				73.7	81.6	84.0	86.4	87.5	89.5	90.5	90.7	91.0	91.3	91.7	91.9	92.1
≥ 2500				73.5	82.1	84.6	87.0	88.4	90.5	91.5	91.7	91.9	92.3	92.7	92.9	93.0
≥ 2000				72.9	82.6	85.4	88.0	89.7	91.7	92.7	92.9	93.3	93.6	94.0	94.2	94.3
≥ 1800				73.9	82.7	85.6	88.1	89.8	91.8	92.9	93.1	93.5	93.9	94.2	94.5	94.6
≥ 1500				74.7	82.9	85.9	88.7	90.5	92.7	93.7	94.0	94.3	94.7	95.1	95.3	95.4
≥ 1200				74.1	83.4	86.4	89.2	91.0	93.3	94.3	94.6	94.9	95.3	95.7	95.9	96.0
≥ 1000				74.1	83.4	86.5	89.4	91.3	93.7	94.9	95.2	95.5	95.9	96.3	96.5	96.6
≥ 900				74.1	83.4	86.5	89.4	91.3	93.7	95.1	95.3	95.7	96.0	96.4	96.6	96.8
≥ 800				74.1	83.4	86.6	89.5	91.5	94.1	95.4	95.7	96.0	96.5	96.9	97.1	97.2
≥ 700				74.1	83.4	86.6	89.5	91.5	94.1	95.4	95.7	96.0	96.5	96.9	97.1	97.2
≥ 600				74.1	83.4	86.6	89.5	91.5	94.1	95.4	95.7	96.0	96.5	96.9	97.1	97.2
≥ 500				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.2	98.0	98.3	98.6	98.7
≥ 400				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.5	98.2	98.6	98.8	98.9
≥ 300				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.5	98.2	98.7	98.9	99.0
≥ 200				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.5	98.2	98.8	99.0	99.2
≥ 100				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.5	98.2	98.8	99.0	99.2
≥ 0				74.1	83.4	86.6	89.5	92.1	94.9	96.3	96.9	97.5	98.2	98.8	99.0	99.2

TOTAL NUMBER OF OBSERVATIONS 671

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

8-5-15
STATION

LARAGONA AB SP

STATION NAME

73-81

YEARS

201
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ARAGUATA AB SP STATION NAME

73-81

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1502-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
IV 18000 ≥ 6000																
IV 14000 IV 12000																
IV 10000 IV 9000																
IV 8000 IV 7000																
IV 6000 IV 5000			97.0	93.5	94.2	94.2	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 4500 IV 4000			97.3	93.7	94.4	94.4	94.8	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2
IV 3500 IV 3000			93.8	95.5	96.3	96.3	96.6	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 2500 IV 2000			94.8	96.6	97.3	97.3	97.7	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800 IV 1500			95.4	97.2	97.9	97.9	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200 IV 1000			95.8	97.6	98.3	98.3	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
IV 900 IV 800			95.8	97.7	98.7	98.7	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 700 IV 600			96.1	97.9	98.9	98.9	99.3	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500 IV 400			96.1	97.9	98.9	98.9	99.3	99.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 300 IV 200			96.1	97.9	98.9	98.9	99.3	99.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100 IV 0			96.1	97.9	98.9	98.9	99.3	99.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 15 LAPASOZA AB SP

73-81

207

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1937-2000
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 8000																
≥ 6000 ≥ 5000			92.6	94.2	95.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4500 ≥ 4000			92.8	94.6	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3500 ≥ 3000			94.4	96.2	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500 ≥ 2000			95.3	97.1	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800 ≥ 1500			96.3	98.2	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200 ≥ 1000			96.5	98.4	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900 ≥ 800			96.5	98.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 600			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1			96.6	98.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 833

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FIGURE

ARAGUZA AB SP

43-61

CLT

STATION

STATION NAME

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21.5-23.00

HOURLY

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING ≥ 20000																
≥ 18000 ≥ 6000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500			94.5	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 4000			94.5	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 3500			95.4	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
≥ 3000			96.5	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 2500			97.5	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 2000			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1800			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1500			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1200			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1000			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 900			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 800			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 700			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 600			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 500			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 400			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 300			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 0			97.7	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 233

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME LARABOZA AB SP

73-81

207

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			87.8	91.8	92.3	92.6	93.0	93.3	93.4	93.5	93.5	93.6	93.6	93.7	93.9	
≥ 4500			88.7	91.0	92.0	92.5	92.9	93.3	93.6	93.7	93.8	93.8	93.9	94.0	94.1	94.2
≥ 4000			89.3	92.3	93.3	93.8	94.2	94.7	95.0	95.2	95.3	95.3	95.4	95.5	95.6	
≥ 3500			90.0	93.3	94.2	94.8	95.2	95.7	96.0	96.2	96.2	96.3	96.4	96.4	96.5	96.6
≥ 3000			91.7	94.2	95.2	95.7	96.1	96.7	97.1	97.2	97.3	97.3	97.4	97.5	97.6	97.7
≥ 2500			91.2	94.4	95.4	96.0	96.4	97.0	97.4	97.5	97.6	97.6	97.7	97.8	97.9	98.0
≥ 2000			91.3	94.6	95.8	96.4	96.8	97.4	97.8	97.9	98.0	98.1	98.1	98.2	98.3	98.4
≥ 1800			91.3	94.6	95.8	96.4	96.9	97.5	97.9	98.0	98.1	98.2	98.2	98.3	98.4	98.5
≥ 1500			91.4	94.8	96.0	96.6	97.1	97.7	98.1	98.2	98.3	98.4	98.5	98.6	98.6	98.6
≥ 1200			91.5	94.9	96.1	96.8	97.2	97.9	98.3	98.4	98.5	98.6	98.7	98.8	98.8	99.0
≥ 1000			91.5	94.9	96.2	96.9	97.4	98.1	98.5	98.6	98.7	98.8	98.9	99.0	99.0	99.2
≥ 900			91.5	95.0	96.2	96.9	97.4	98.1	98.5	98.7	98.7	98.9	98.9	99.0	99.1	99.3
≥ 800			91.5	95.0	96.3	97.0	97.5	98.3	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
≥ 700			91.5	95.0	96.3	97.0	97.5	98.3	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
≥ 600			91.5	95.0	96.3	97.0	97.5	98.3	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.5
≥ 500			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.1	99.3	99.4	99.4	99.5	99.7
≥ 400			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.1	99.3	99.4	99.5	99.5	99.7
≥ 300			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.2	99.3	99.4	99.5	99.6	99.8
≥ 200			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.2	99.3	99.5	99.5	99.6	99.8
≥ 100			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.2	99.3	99.5	99.5	99.6	99.9
≥ 0			91.5	95.0	96.3	97.0	97.6	98.4	98.8	99.0	99.2	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5624

CLIMATE CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ARAGONA AB SP

73-81

YEARS

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1959

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING ≥20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
305

STATION NAME
CARAGUZA AB SP

YEARS
73-81

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7307-7507
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS 700

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION APAGOIA AB SP STATION NAME

73-81

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

632-7800
FORM 1-57

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 8000																
≥ 6000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1500																
≥ 1000																
≥ 800																
≥ 600																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 50																
≥ 25																
≥ 15																
≥ 10																
≥ 5																
≥ 2.5																
≥ 1.5																
≥ 1																
≥ .5																
≥ .3																
≥ .2																
≥ .1																
≥ .05																
≥ .01																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
 COMETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 74-5

STATION NAME
 ARAGOZA AB SP

73-81

YEARS

MO
 000-000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-000
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			62.6	66.6	67.3	72.2	73.8	76.3	77.8	79.1	79.6	80.6	80.7	81.2	81.4	82.1
≥ 4500 ≥ 4000			62.3	66.9	69.5	72.4	74.1	77.1	78.1	79.3	79.8	80.9	81.0	81.5	81.6	82.4
≥ 3500 ≥ 3000			63.2	67.3	69.9	72.8	74.4	77.6	78.6	80.1	80.6	81.6	81.7	82.2	82.4	84.1
≥ 2500 ≥ 2000			63.2	67.4	70.2	73.0	74.7	77.8	78.8	80.4	80.9	81.9	82.0	82.6	82.7	84.5
≥ 1800 ≥ 1500			63.3	68.3	71.0	74.1	75.7	79.0	80.7	81.7	82.2	83.2	83.4	84.1	84.1	85.9
≥ 1200 ≥ 1000			64.0	68.4	71.2	74.2	75.9	79.5	80.5	82.2	82.7	83.9	84.7	84.6	84.9	86.9
≥ 900 ≥ 800			64.4	68.9	71.7	74.7	76.4	80.1	81.1	82.9	83.4	84.5	84.6	85.3	85.4	87.2
≥ 700 ≥ 600			64.4	68.9	71.9	74.9	76.7	80.4	81.4	83.1	83.6	84.8	84.9	85.5	85.6	87.4
≥ 500 ≥ 400			64.4	68.9	72.0	75.1	76.8	80.6	81.9	83.8	84.3	85.4	85.5	86.1	86.3	88.7
≥ 300 ≥ 200			64.4	68.9	72.2	75.2	77.0	80.7	82.7	84.4	84.9	86.1	86.1	86.9	86.9	88.7
≥ 100 ≥ 0			64.4	69.0	72.4	75.4	77.2	81.0	82.2	85.5	85.5	86.6	86.9	87.4	87.5	89.3
			64.4	69.1	72.5	75.6	77.3	81.2	82.6	85.5	86.7	87.2	87.3	87.9	88.7	89.8
			64.4	69.1	72.7	75.8	77.7	81.6	83.7	86.3	86.8	87.9	88.3	88.9	89.7	90.8
			64.4	69.1	72.8	75.9	78.3	82.5	83.9	87.3	87.8	88.9	89.3	89.9	90.1	91.9
			64.4	69.1	72.8	75.9	78.3	82.5	83.9	87.3	87.8	89.0	89.4	90.1	90.7	92.1
			64.4	69.1	72.8	75.9	78.5	83.0	84.5	87.9	88.5	90.1	90.4	91.7	91.4	93.5
			64.4	69.1	72.8	75.9	78.5	83.0	84.8	88.3	89.7	90.7	91.1	92.1	92.7	94.7
			64.4	69.1	72.8	75.9	78.5	83.1	84.9	88.7	89.7	91.8	92.7	94.3	95.7	99.1
			64.4	69.1	72.8	75.9	78.5	83.1	84.9	88.7	89.7	91.8	92.7	94.5	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 794

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION APAGO, AASD STATION NAME

70-51

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-1-1400

CEILING FEET	VISIBILITY STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000													
≥ 18000 ≥ 6000													
≥ 14000 ≥ 2000													
≥ 10000 ≥ 9000													
≥ 8000 ≥ 7000													
≥ 6000 ≥ 5000													
≥ 4500 ≥ 4000			67.5	73.4	75.6	77.1	79.4	81.4	82.2	83.4	83.8	84.2	84.5
≥ 3500 ≥ 3000			67.7	73.5	75.8	77.3	79.5	81.5	82.3	83.5	83.9	84.3	84.7
≥ 2500 ≥ 2000			67.9	74.2	76.8	78.3	80.5	82.5	83.2	84.7	85.1	85.4	85.8
≥ 1800 ≥ 1500			67.6	74.5	77.0	78.5	80.8	82.9	83.7	85.2	85.6	85.9	86.3
≥ 1200 ≥ 1000			67.5	75.5	78.3	79.9	82.2	84.4	85.2	86.7	87.1	87.4	87.8
≥ 900 ≥ 800			67.7	75.8	78.5	80.4	82.7	85.2	86.1	87.7	88.1	88.4	88.8
≥ 700 ≥ 600			70.4	76.5	79.4	81.3	83.5	86.3	87.3	88.9	89.3	89.7	90.1
≥ 500 ≥ 400			70.4	76.5	79.9	81.8	84.2	87.1	88.1	89.7	90.1	90.5	90.8
≥ 300 ≥ 200			70.5	77.0	80.4	82.3	84.7	87.7	88.8	90.7	91.1	91.5	91.8
≥ 100 ≥ 50			70.5	77.1	80.5	82.4	84.8	87.8	88.9	90.8	91.2	91.6	92.0
≥ 50 ≥ 20			70.5	77.3	80.7	82.7	85.2	88.3	89.6	91.6	92.0	92.5	93.0
≥ 10 ≥ 5			70.5	77.3	80.7	82.7	85.3	88.4	89.7	91.8	92.2	92.7	93.2
≥ 5 ≥ 2			70.5	77.3	80.9	83.0	85.8	89.1	90.3	92.8	93.2	93.7	94.2
≥ 2 ≥ 1			70.5	77.4	81.0	83.2	86.4	89.8	91.1	93.6	94.0	94.7	95.2
≥ 1 ≥ 0			70.5	77.4	81.0	83.3	86.6	90.2	91.5	94.0	94.5	95.2	95.7
≥ 0			70.5	77.4	81.0	83.3	86.7	90.6	91.9	94.3	94.8	95.7	96.6
≥ 0			70.5	77.4	81.0	83.3	86.7	90.8	92.1	94.8	95.4	96.2	97.1
≥ 0			70.4	77.5	81.2	83.4	86.8	91.0	92.3	95.1	95.6	96.6	97.5
≥ 0			70.4	77.5	81.2	83.4	86.8	91.0	92.3	95.1	95.6	96.6	97.7
≥ 0			70.6	77.5	81.2	83.4	86.8	91.0	92.3	95.1	95.6	96.6	97.7
≥ 0			70.6	77.5	81.2	83.4	86.8	91.0	92.3	95.1	95.6	96.6	97.7

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME LAPAGOZA AB SP

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1510-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			77.7	80.3	84.1	85.1	86.7	87.9	88.2	88.9	89.7	89.4	89.4	89.4	89.4	89.4
≥ 4500			77.7	80.3	84.3	85.3	87.1	88.2	88.6	89.3	89.4	89.8	89.8	89.8	89.8	89.8
≥ 4000			77.1	83.6	85.6	86.6	88.2	89.5	89.9	90.5	91.5	91.7	91.7	91.7	91.7	91.7
≥ 3500			76.5	83.9	86.3	87.0	88.7	90.0	90.4	91.7	91.2	91.5	91.5	91.5	91.5	91.5
≥ 3000			80.5	85.0	87.1	88.1	89.9	91.2	91.5	92.2	92.3	92.9	92.9	92.9	92.9	92.9
≥ 2500			87.7	85.1	87.5	88.5	90.3	91.8	92.2	92.8	92.9	93.6	93.6	93.6	93.6	93.6
≥ 2000			81.4	86.3	88.9	89.9	91.8	93.3	93.7	94.3	94.4	95.1	95.1	95.2	95.2	95.2
≥ 1800			81.4	86.3	89.0	90.0	91.9	93.4	93.8	94.4	94.6	95.2	95.3	95.4	95.4	95.4
≥ 1500			81.4	86.3	89.0	90.0	92.2	93.8	94.3	94.9	95.1	95.7	95.8	96.7	96.7	96.7
≥ 1200			81.4	86.5	89.1	90.1	92.4	94.3	94.9	95.6	95.7	96.3	96.5	96.6	96.6	96.6
≥ 1000			81.5	86.9	89.5	90.5	92.8	94.8	95.6	96.2	96.3	97.0	97.1	97.2	97.2	97.2
≥ 900			81.5	86.9	89.6	90.6	93.0	95.2	96.7	96.6	96.7	97.3	97.5	97.5	97.5	97.5
≥ 800			81.5	86.9	89.6	90.6	93.0	95.2	96.7	96.7	96.8	97.5	97.5	97.7	97.7	97.7
≥ 700			81.5	86.9	89.6	90.6	93.0	95.3	96.1	97.1	97.2	97.9	98.7	98.1	98.1	98.1
≥ 600			81.5	86.9	89.6	90.6	93.0	95.6	96.3	97.3	97.5	98.1	98.2	98.4	98.4	98.4
≥ 500			81.5	86.9	89.6	90.6	93.2	95.7	96.5	97.5	97.6	98.2	98.5	98.9	98.9	98.9
≥ 400			81.5	86.9	89.6	90.6	93.2	95.7	96.6	97.7	97.9	98.6	98.9	99.2	99.2	99.4
≥ 300			81.5	86.9	89.6	90.6	93.2	95.7	96.6	97.7	97.9	98.6	98.9	99.4	99.5	99.6
≥ 200			81.5	86.9	89.6	90.6	93.2	95.7	96.6	97.7	97.9	98.6	98.9	99.4	99.5	99.7
≥ 100			81.5	86.9	89.6	90.6	93.2	95.7	96.6	97.7	97.9	98.6	98.9	99.4	99.5	99.7
≥ 0			81.5	86.9	89.6	90.6	93.2	95.7	96.6	97.7	97.9	98.6	98.9	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ADAGOMA AB SP STATION NAME

72-81 YEARS

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18 2-2100 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			71.9	83.7	84.7	85.8	86.6	87.4	87.7	88.6	88.5	88.8	88.8	88.9	88.9	89.1
≥ 4500			71.1	83.9	84.9	86.1	86.8	87.7	87.9	88.8	88.8	89.1	89.1	89.2	89.2	89.7
≥ 4000			67.4	85.2	86.3	87.4	88.2	89.1	89.3	90.2	90.2	90.5	90.5	90.6	90.6	90.7
≥ 3500			81.1	85.9	86.9	88.1	88.8	89.7	89.9	90.8	90.8	91.1	91.1	91.2	91.2	91.3
≥ 3000			61.4	86.6	87.6	88.7	89.4	90.5	90.7	91.6	91.6	91.6	92.0	92.1	92.1	92.2
≥ 2500			61.6	86.8	87.8	88.9	89.7	90.8	91.2	92.1	92.1	92.5	92.6	92.7	92.7	92.8
≥ 2000			61.4	87.3	88.3	89.4	90.2	91.3	91.7	92.8	92.8	93.2	93.5	93.6	93.6	93.7
≥ 1800			61.9	87.3	88.3	89.4	90.2	91.3	91.7	92.8	92.8	93.2	93.5	93.6	93.6	93.7
≥ 1500			62.3	87.9	88.9	90.1	90.8	92.0	92.3	93.5	93.5	93.8	94.1	94.2	94.2	94.3
≥ 1200			62.3	87.9	88.9	90.1	90.8	92.1	92.5	93.6	93.6	94.0	94.2	94.3	94.3	94.5
≥ 1000			62.3	88.2	89.4	90.6	91.5	93.0	93.3	94.5	94.5	94.8	95.1	95.2	95.2	95.4
≥ 900			62.3	88.2	89.4	90.6	91.5	93.1	93.5	94.6	94.6	95.0	95.2	95.4	95.4	95.5
≥ 800			62.5	88.4	89.8	91.1	92.0	93.6	94.0	95.1	95.1	95.5	95.7	95.9	95.9	96.0
≥ 700			62.5	88.4	89.8	91.1	92.0	93.8	94.5	95.7	95.7	96.1	96.4	96.6	96.6	96.7
≥ 600			62.5	88.4	89.8	91.1	92.1	94.0	94.5	96.0	96.0	96.5	96.7	97.0	97.0	97.1
≥ 500			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.6	96.6	97.1	97.4	97.7	97.7	97.9
≥ 400			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.9	97.1	97.6	97.9	98.2	98.2	98.4
≥ 300			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.9	97.1	97.6	97.9	98.2	98.2	98.4
≥ 200			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.9	97.1	97.6	97.9	98.2	98.2	98.9
≥ 100			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.9	97.1	97.6	97.9	98.2	98.2	99.0
≥ 0			62.5	88.4	89.9	91.5	92.5	94.5	95.1	96.9	97.1	97.6	97.9	98.2	98.2	99.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PARAGUAY AB SP YEARS 73-81 MONTH V

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2107-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .125	≥ .0625	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			87.9	85.4	86.1	86.6	86.9	87.4	87.4	88.4	88.4	88.5	88.7	88.7	88.7	89.5
≥ 4500			81.4	86.1	86.7	87.2	87.5	88.0	88.7	89.7	89.7	89.2	89.3	89.3	89.3	90.0
≥ 4000			67.3	86.9	87.7	88.3	88.7	89.2	89.7	90.2	90.2	90.3	90.4	90.4	90.4	91.3
≥ 3500			82.6	87.2	88.0	88.7	89.0	89.5	89.5	90.5	90.5	90.7	90.8	90.8	90.8	91.7
≥ 3000			63.1	87.8	88.7	89.3	89.7	90.2	90.2	91.2	91.2	91.3	91.4	91.4	91.4	92.3
≥ 2500			63.2	87.9	88.9	89.5	89.9	90.4	90.4	91.4	91.4	91.5	91.7	91.7	91.7	92.5
≥ 2000			83.7	88.5	89.5	90.3	90.7	91.3	91.7	92.3	92.3	92.4	92.5	92.5	92.5	93.4
≥ 1800			67.9	88.8	89.8	90.5	90.9	91.5	91.5	92.5	92.5	92.7	92.8	92.8	92.8	93.6
≥ 1500			84.1	89.2	90.2	91.2	91.5	92.2	92.2	93.2	93.2	93.3	93.4	93.4	93.4	94.3
≥ 1200			84.4	89.8	90.8	91.8	92.2	92.8	92.8	93.8	93.8	93.9	94.7	94.7	94.7	94.9
≥ 1000			84.6	89.9	90.9	91.9	92.3	92.9	92.9	93.9	93.9	94.0	94.1	94.1	94.1	95.7
≥ 900			84.6	89.9	90.9	91.9	92.3	92.9	92.9	93.9	93.9	94.0	94.1	94.1	94.1	95.7
≥ 800			84.6	89.9	91.2	92.2	92.7	93.4	93.4	94.4	94.4	94.5	94.6	94.6	94.6	95.5
≥ 700			84.6	90.0	91.4	92.5	93.2	94.0	94.0	95.0	95.0	95.1	95.3	95.3	95.3	96.1
≥ 600			84.6	90.0	91.4	92.5	93.3	94.3	94.3	95.3	95.3	95.4	95.5	95.5	95.5	96.4
≥ 500			84.6	90.0	91.4	92.9	93.6	94.6	94.6	95.6	95.6	95.8	95.9	95.9	95.9	96.8
≥ 400			84.6	90.0	91.4	92.9	93.8	94.8	94.8	96.0	96.0	96.1	96.3	96.3	96.3	97.3
≥ 300			84.6	90.0	91.4	92.9	93.8	94.8	94.9	96.3	96.3	96.4	96.5	96.5	96.5	97.8
≥ 200			84.6	90.0	91.5	93.0	93.9	94.9	95.0	96.4	96.4	96.5	96.6	96.6	96.6	98.3
≥ 100			84.6	90.0	91.7	93.2	94.0	95.0	95.1	96.5	96.5	96.6	96.8	96.8	96.8	98.8
≥ 0			84.6	90.0	91.7	93.2	94.0	95.0	95.1	96.5	96.5	96.6	96.8	96.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 873

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ADAC02A AB SP

73-81

YEARS

NO.

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			74.9	79.1	81.7	81.8	83.7	84.3	84.9	85.9	86.2	86.4	86.5	86.7	86.8	87.2
≥ 4500 ≥ 4000			75.1	79.2	81.9	82.1	83.3	84.6	85.3	86.2	86.3	86.7	86.9	87.7	87.1	88.2
≥ 3500 ≥ 3000			75.8	81.2	81.7	82.9	84.1	85.5	86.1	87.1	87.3	87.7	87.8	87.9	88.2	89.2
≥ 2500 ≥ 2000			76.1	82.2	82.7	83.2	84.5	85.8	86.5	87.5	87.6	88.2	88.1	88.3	88.4	89.5
≥ 1800 ≥ 1500			75.5	82.8	82.7	83.9	85.2	86.6	87.7	88.3	88.4	88.9	89.2	89.2	89.3	90.4
≥ 1200 ≥ 1000			76.7	81.0	82.9	84.2	85.5	87.0	87.7	88.7	88.9	89.3	89.5	89.6	89.7	90.9
≥ 800 ≥ 600			77.1	81.6	83.6	84.9	86.2	87.8	88.6	89.7	89.8	90.3	90.5	90.7	90.8	91.9
≥ 400 ≥ 300			77.2	81.7	83.9	85.2	86.5	88.1	88.9	90.0	90.1	90.6	90.8	91.1	91.1	92.2
≥ 200 ≥ 100			77.3	82.0	84.1	85.5	87.0	88.6	89.5	90.6	90.8	91.3	91.4	91.6	91.8	92.9
≥ 50 ≥ 0			77.4	82.2	84.3	85.8	87.3	89.1	90.7	91.2	91.3	91.8	92.0	92.2	92.3	93.5
≥ 0			77.6	82.5	84.7	86.2	87.9	89.7	90.6	91.9	92.0	92.6	92.7	92.9	93.1	94.2
≥ 0			77.6	82.5	84.7	86.2	88.0	89.8	90.8	92.1	92.2	92.7	92.9	93.1	93.2	94.4
≥ 0			77.6	82.5	84.9	86.4	88.2	90.1	91.1	92.5	92.7	93.2	93.5	93.7	93.8	95.0
≥ 0			77.6	82.6	84.9	86.5	88.4	90.5	91.5	93.0	93.1	93.7	94.2	94.2	94.3	95.5
≥ 0			77.6	82.6	85.0	86.6	88.5	90.7	91.6	93.2	93.4	94.0	94.3	94.5	94.6	95.8
≥ 0			77.7	82.6	85.0	86.7	88.7	90.9	91.9	93.6	93.8	94.4	94.7	95.1	95.2	96.4
≥ 0			77.7	82.7	85.1	86.8	88.8	91.1	92.2	93.9	94.2	94.9	95.2	95.6	95.7	97.0
≥ 0			77.7	82.7	85.2	86.9	89.0	91.4	92.5	94.3	94.6	95.3	95.6	96.0	96.3	97.7
≥ 0			77.7	82.8	85.2	87.0	89.1	91.4	92.5	94.4	94.8	95.6	96.0	96.4	96.6	98.5
≥ 0			77.7	82.8	85.2	87.0	89.1	91.5	92.6	94.4	94.8	95.6	96.0	96.6	96.9	99.1
≥ 0			77.7	82.8	85.2	87.0	89.1	91.5	92.6	94.4	94.8	95.6	96.1	96.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6354

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73-51

STATION NAME

73-51

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1978
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000																
≥ 18000 ≥ 6000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500			75.4	79.3	80.5	81.1	81.5	82.3	82.8	82.8	82.9	82.9	82.9	82.9	83.2	83.7
≥ 4000			77.7	81.0	81.7	82.3	82.7	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.4	84.5
≥ 3500			74.1	81.5	82.2	82.8	83.2	84.0	84.5	84.5	84.6	84.6	84.6	84.6	85.0	85.8
≥ 3000			75.5	82.2	83.7	83.6	84.0	84.8	85.3	85.3	85.5	85.5	85.5	85.5	85.7	85.8
≥ 2500			75.7	82.3	83.2	83.8	84.1	85.0	85.5	85.5	85.6	85.6	85.6	85.6	85.8	85.9
≥ 2000			77.2	82.8	83.8	84.4	84.7	85.6	86.1	86.1	86.2	86.3	86.3	86.3	86.5	86.7
≥ 1800			77.4	83.0	84.1	84.7	85.1	85.9	86.4	86.4	86.5	86.7	86.7	86.7	86.9	87.0
≥ 1500			77.4	83.0	84.1	84.7	85.1	85.9	86.4	86.4	86.5	86.8	86.8	86.8	87.0	87.2
≥ 1200			77.6	83.5	85.0	85.6	85.9	86.8	87.3	87.3	87.4	88.0	88.0	88.0	88.2	88.4
≥ 1000			77.8	83.6	85.2	85.6	86.2	87.0	87.5	87.5	87.6	88.2	88.2	88.2	88.5	88.6
≥ 900			77.8	83.6	85.2	85.8	86.2	87.0	87.5	87.5	87.6	88.2	88.2	88.2	88.7	88.8
≥ 800			77.8	84.0	85.7	86.3	86.7	87.5	88.1	88.1	88.2	88.8	88.8	88.8	89.3	89.5
≥ 700			77.8	84.0	85.7	86.3	86.7	87.5	88.2	88.2	88.4	89.0	89.0	89.1	89.6	89.7
≥ 600			77.8	84.0	85.7	86.3	86.7	87.5	88.2	88.2	88.4	89.0	89.0	89.1	89.6	89.7
≥ 500			80.7	84.2	85.9	86.5	86.9	87.9	88.6	88.7	88.8	89.5	89.6	90.1	90.2	91.3
≥ 400			80.1	84.6	86.3	87.0	87.4	88.4	89.1	89.2	89.3	89.9	90.1	90.5	90.7	91.5
≥ 300			80.1	84.7	86.5	87.4	87.8	89.1	89.8	90.2	90.3	91.4	91.5	92.0	92.1	93.3
≥ 200			80.1	84.7	86.5	87.4	87.8	89.1	90.1	90.5	90.7	92.0	92.1	92.4	93.2	95.6
≥ 100			80.1	84.7	86.5	87.4	87.8	89.1	90.2	90.7	90.8	92.1	92.2	93.1	93.6	96.4
≥ 0			80.1	84.7	86.5	87.4	87.8	89.1	90.3	90.8	90.9	92.4	92.5	93.6	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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

CEILING VERSUS VISIBILITY

249

~~2350-2500~~

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1955
STATION

LARACOA AB SP

STATION NAME

73-81

YEARS

DEC
1955

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-2800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000			7 .1	72.6	73.9	74.5	75.7	76.3	76.5	76.6	76.6	76.8	77.3	77.9	77.9	80.1
≥ 4500 ≥ 4000			77.7	73.3	74.6	75.2	75.7	77.1	77.2	77.7	77.7	77.9	78.4	79.0	79.0	81.2
≥ 3500 ≥ 3000			71.8	74.4	75.7	76.5	77.7	78.3	78.5	79.7	79.7	79.3	79.8	80.5	80.5	82.7
≥ 2500 ≥ 2000			72.7	75.5	77.1	77.8	78.4	79.8	80.5	80.5	80.5	80.7	81.2	82.7	82.7	84.1
≥ 1800 ≥ 1500			73.7	76.0	77.7	78.5	79.3	80.9	81.1	81.6	81.6	82.7	82.4	83.2	83.2	85.4
≥ 1200 ≥ 1000			73.5	76.5	78.2	79.0	79.9	81.5	81.7	82.2	82.2	82.6	83.7	83.8	83.8	86.7
≥ 900 ≥ 800			74.1	77.3	79.0	79.9	80.7	82.3	82.6	83.7	83.7	83.4	84.7	84.9	84.9	87.1
≥ 700 ≥ 600			74.3	77.4	79.1	80.0	80.9	82.4	82.7	83.2	83.2	83.5	84.1	84.9	84.9	87.2
≥ 500 ≥ 400			74.3	77.6	79.3	80.1	81.0	82.7	82.9	83.4	83.4	83.9	84.5	85.2	85.2	87.6
≥ 300 ≥ 200			74.5	77.8	79.8	80.7	81.6	83.3	83.5	84.0	84.0	84.5	85.1	85.9	85.9	88.2
≥ 100 0			74.5	79.2	80.1	81.1	82.1	83.8	84.7	84.5	84.5	85.7	85.6	86.3	86.3	88.7
			74.6	78.4	80.4	81.3	82.3	84.0	84.3	84.8	84.8	85.2	85.9	86.6	86.6	88.9
			74.6	78.5	80.5	81.5	82.4	84.1	84.4	84.9	84.9	85.4	86.7	86.7	86.7	89.0
			74.8	78.8	80.7	81.7	82.7	84.4	84.6	85.2	85.2	85.7	86.3	87.2	87.2	89.5
			74.8	78.8	80.9	82.0	82.9	84.6	84.9	85.6	85.6	86.1	86.7	87.7	87.8	90.1
			74.9	79.0	81.2	82.4	83.4	85.1	85.5	86.2	86.3	86.8	87.6	88.5	88.7	91.0
			75.7	79.1	81.3	82.8	83.8	85.9	86.7	87.3	87.4	88.0	88.8	89.8	90.2	92.6
			75.7	79.3	81.6	83.0	84.0	86.1	86.8	87.8	87.9	88.5	89.3	90.4	90.9	93.7
			75.7	79.3	81.6	83.0	84.0	86.1	86.8	87.8	87.9	88.7	89.6	90.9	91.3	94.8
			75.7	79.3	81.6	83.0	84.0	86.1	87.7	87.9	88.7	88.9	90.2	91.5	92.7	96.0
			75.7	79.3	81.6	83.0	84.0	86.1	87.7	88.0	88.2	89.3	90.7	92.1	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS 820

CEILING VERSUS VISIBILITY

254

~~1907-1120~~

TOTAL NUMBER OF OBSERVATIONS 621

USAF ETAC ^{FORM}_{1 Jul 64} 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-5
STATION

PARACOLA AB SP

STATION NAME

73-61

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-1-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000			67.6	67.6	71.2	71.2	72.7	74.6	75.5	75.9	76.3	76.8	77.1	77.1	77.1	78.0
IV 4500			63.7	68.0	70.4	71.9	73.4	75.6	76.4	76.9	77.3	77.8	78.2	78.3	78.3	79.0
IV 4000			64.4	69.9	72.4	74.0	75.5	77.6	78.5	79.0	79.3	79.8	80.2	80.3	80.3	81.3
IV 3500			65.4	70.9	73.8	75.3	76.8	79.4	80.3	80.8	81.1	81.6	82.0	82.1	82.1	83.1
IV 3000			66.6	72.3	75.3	76.9	78.5	81.1	82.1	82.5	82.8	83.3	83.7	83.8	83.9	84.8
IV 2500			67.1	72.9	76.1	77.8	79.4	82.3	83.2	83.7	84.0	84.5	84.9	85.1	85.2	86.0
IV 2000			67.1	73.0	76.3	78.0	79.7	82.6	83.4	83.9	84.3	84.8	85.1	85.2	85.2	86.2
IV 1800			67.1	73.0	76.3	78.1	79.8	82.7	83.6	84.0	84.4	84.9	85.2	85.4	85.4	86.3
IV 1500			67.1	73.2	76.5	78.5	80.2	83.2	84.2	84.8	85.1	85.6	86.0	86.1	86.1	87.1
IV 1200			67.1	73.3	76.8	78.8	80.7	84.0	85.0	85.6	86.0	86.5	86.8	86.9	86.9	87.9
IV 1000			67.1	73.3	76.8	78.8	80.8	84.3	85.2	85.9	86.3	86.8	87.2	87.3	87.3	88.3
IV 900			67.1	73.3	76.8	78.8	81.0	84.6	85.6	86.2	86.7	87.2	87.5	87.8	87.8	88.8
IV 800			67.1	73.3	76.9	79.0	81.1	85.0	86.0	86.6	87.2	87.7	88.1	88.6	88.6	89.6
IV 700			67.2	73.4	77.3	79.4	81.7	85.6	86.6	87.2	87.8	88.3	89.0	89.5	89.5	90.4
IV 600			67.2	73.5	77.5	79.8	82.2	86.3	87.4	88.0	88.6	89.1	89.8	90.4	90.4	91.4
IV 500			67.2	73.6	77.6	80.0	82.5	86.7	87.9	88.5	89.1	89.6	90.4	91.1	91.1	92.1
IV 400			67.2	73.6	77.6	80.0	82.6	86.9	88.1	88.9	89.5	90.2	91.2	91.9	91.9	93.0
IV 300			67.2	73.6	77.6	80.0	82.7	87.2	88.5	89.2	89.8	90.8	91.8	92.9	93.1	94.7
IV 200			67.2	73.6	77.6	80.0	82.7	87.2	88.5	89.4	90.0	91.4	92.4	93.5	93.7	96.3
IV 100			67.2	73.6	77.6	80.0	82.7	87.2	88.5	89.4	90.1	91.8	93.1	94.6	94.8	97.9
IV 0			67.2	73.6	77.6	80.0	82.7	87.3	88.6	89.5	90.2	91.9	93.2	94.9	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS

627

USAF ETAC

FORM
JUL 64

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

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 0-14-5 PAPAGOZA AB SP STATION NAME

72-81 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15.00-17.00 HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING ≥ 20000															
IN 18000 IN 16000															
IN 14000 IN 12000															
IN 10000 IN 9000															
IN 8000 IN 7000															
IN 6000 IN 5000			67.6	70.8	73.8	75.2	76.5	77.6	78.1	78.1	78.4	79.7	79.7	79.3	79.5
IN 4500 IN 4000			67.6	71.8	74.8	76.1	77.6	78.8	79.3	79.3	79.6	80.2	80.2	80.5	80.7
IN 3500 IN 3000			71.2	74.4	77.5	79.8	80.4	81.7	82.2	82.2	82.5	83.2	83.2	83.4	83.6
IN 2500 IN 2000			72.6	76.0	79.2	80.5	82.2	83.6	84.1	84.1	84.5	85.1	85.1	85.3	85.6
IN 1800 IN 1500			73.3	77.6	81.0	82.5	84.2	85.7	86.2	86.2	86.5	87.2	87.3	87.5	87.8
IN 1200 IN 1000			74.4	78.2	81.7	83.4	85.1	86.5	87.2	87.2	87.6	88.2	88.4	88.6	88.8
IN 900 IN 800			75.1	78.8	82.3	84.1	85.8	87.3	87.9	87.9	88.4	89.2	89.3	89.7	89.9
IN 700 IN 600			75.1	78.9	82.4	84.2	85.9	87.4	88.7	88.7	88.5	89.3	89.5	89.8	90.1
IN 500 IN 400			75.0	78.9	82.8	84.6	86.3	88.1	88.7	88.7	89.2	90.5	90.5	90.8	91.3
IN 300 IN 200			75.1	79.0	83.2	85.0	86.8	88.6	89.2	89.2	89.7	90.7	90.7	91.0	91.3
IN 100 IN 0			75.1	79.0	83.2	85.1	86.9	88.7	89.3	89.3	89.8	90.7	90.7	91.3	91.5
			75.1	79.0	83.2	85.1	86.9	88.7	89.5	89.5	89.9	90.8	91.0	91.4	91.6
			75.2	79.2	83.6	85.6	87.5	89.3	90.3	90.4	90.9	91.9	92.1	92.5	92.7
			75.2	79.3	83.8	85.7	87.8	89.7	90.8	90.9	91.4	92.4	92.6	93.7	93.2
			75.2	79.4	83.9	85.9	88.0	89.9	91.2	91.4	92.7	93.0	93.2	93.6	93.8
			75.2	79.4	83.9	85.9	88.0	89.9	91.4	91.6	92.2	93.2	93.7	94.2	94.8
			75.2	79.4	83.9	85.9	88.0	90.1	91.6	92.0	92.7	93.9	94.5	95.3	96.4
			75.2	79.4	83.9	85.9	88.0	90.1	91.6	92.0	92.7	94.1	95.2	96.2	97.7
			75.2	79.4	83.9	85.9	88.0	90.1	91.6	92.0	92.7	94.1	95.3	96.5	97.3
			75.2	79.4	83.9	85.9	88.0	90.1	91.6	92.0	92.7	94.1	95.5	96.7	97.6

TOTAL NUMBER OF OBSERVATIONS 825

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
LAFAYETTE AB SP

73-61

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000																
IV 18000 6000																
IV 14000 12000																
IV 10000 9000																
IV 8000 7000																
IV 6000 5000				77.1	73.3	75.5	77.2	77.8	78.9	79.4	79.5	79.6	80.1	80.1	80.3	80.3
IV 4500 4000				71.7	74.9	77.1	78.8	79.4	80.5	80.9	81.1	81.2	81.7	81.7	81.9	81.9
IV 3500 3000				77.2	76.5	78.8	80.6	81.2	82.5	83.3	83.4	83.5	84.0	84.0	84.2	84.2
IV 2500 2000				74.4	79.0	80.5	82.3	83.7	84.3	85.1	85.2	85.3	85.8	85.8	86.0	86.0
IV 1800 1500				75.8	79.7	82.4	84.2	85.7	86.3	87.1	87.3	87.4	87.9	87.9	88.1	88.1
IV 1200 1000				76.5	80.5	83.3	85.2	85.9	87.4	88.2	88.3	88.5	89.0	89.0	89.2	89.2
IV 900 800				77.1	81.2	84.2	86.2	86.9	88.3	89.2	89.3	89.4	89.9	89.9	90.7	90.7
IV 700 600				77.1	81.2	84.2	86.2	86.9	88.3	89.2	89.3	89.4	89.9	89.9	90.2	90.2
IV 500 400				77.1	81.7	84.8	86.8	87.6	89.2	90.7	90.2	90.3	90.8	90.8	91.7	91.7
IV 300 200				77.1	81.8	85.2	87.1	88.1	89.8	90.7	90.8	90.9	91.4	91.4	91.6	91.6
IV 100 0				77.1	81.8	85.2	87.3	88.2	89.9	90.9	91.0	91.1	91.6	91.6	91.9	91.9
				77.2	81.9	85.3	87.4	88.5	90.3	91.4	91.5	91.6	92.1	92.1	92.4	92.4
				77.2	81.9	85.7	87.7	88.8	90.7	91.7	91.9	92.7	92.5	92.5	92.7	92.7
				77.2	81.9	85.7	87.7	88.8	90.7	91.7	91.9	92.7	92.5	92.5	92.7	92.7
				77.4	82.2	86.0	88.1	89.2	91.0	92.1	92.2	92.4	92.8	92.8	93.1	93.1
				77.4	82.2	86.0	88.1	89.2	91.0	92.1	92.4	92.5	93.1	93.1	93.3	93.3
				77.4	82.3	86.2	88.2	89.3	91.1	92.2	92.5	92.7	93.7	93.7	93.9	93.9
				77.4	82.3	86.2	88.2	89.3	91.3	92.5	92.8	93.1	94.2	94.3	94.5	94.5
				77.4	82.3	86.2	88.2	89.3	91.3	92.5	93.0	93.2	94.3	94.9	95.3	95.4
				77.4	82.3	86.2	88.2	89.3	91.3	92.5	93.0	93.2	94.4	95.1	95.5	95.6

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

APACOLA AB SD

STATION NAME

72-31

YEARS

FORM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-2720

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			75.3	78.9	81.3	81.7	81.1	81.5	81.7	81.7	81.8	81.8	81.8	82.1	82.1	83.1
≥ 4500			75.8	79.4	81.7	81.5	81.6	81.9	82.2	82.2	82.3	82.3	82.3	82.6	82.6	83.5
≥ 4000			73.7	80.9	82.2	82.9	83.0	83.5	84.7	84.7	84.1	84.5	84.6	84.6	84.8	85.3
≥ 3500			74.1	81.0	82.4	83.3	83.4	83.9	84.4	84.4	84.5	84.8	85.7	85.2	85.2	86.7
≥ 3000			73.7	81.6	83.0	83.9	84.7	84.5	85.0	85.0	85.1	85.4	85.6	85.8	85.8	86.3
≥ 2500			70.3	82.3	83.8	84.6	84.7	85.2	85.7	85.7	85.8	86.2	86.3	86.5	86.5	87.5
≥ 2000			72.9	83.3	84.5	85.3	85.4	85.9	86.4	86.4	86.5	86.9	87.0	87.2	87.2	88.2
≥ 1800			81.3	83.4	85.7	85.8	85.9	86.4	86.9	86.9	87.0	87.4	87.5	87.7	87.7	88.7
≥ 1500			67.3	83.6	85.3	86.2	86.3	86.8	87.2	87.2	87.4	87.7	87.8	88.1	88.1	89.7
≥ 1200			82.6	84.1	85.8	85.6	86.8	87.4	87.8	87.8	88.7	88.3	88.4	88.7	88.7	89.7
≥ 1000			82.7	84.2	85.9	86.9	87.7	87.7	88.3	88.4	88.6	88.9	89.7	89.7	89.4	92.4
≥ 900			80.9	84.4	86.2	87.1	87.4	88.1	88.9	88.9	89.7	89.4	89.5	89.8	89.9	91.9
≥ 800			61.2	84.7	86.5	87.5	87.7	88.4	89.2	89.3	89.4	89.8	89.9	90.1	90.3	91.2
≥ 700			81.3	85.0	86.8	87.7	88.0	88.7	89.4	89.5	89.7	90.0	90.1	90.4	90.5	91.5
≥ 600			61.5	85.1	86.9	87.8	88.1	88.8	89.5	89.7	89.8	90.1	90.3	90.5	90.6	91.6
≥ 500			81.6	85.2	87.7	88.0	88.2	89.0	89.8	89.9	90.0	90.4	90.5	90.7	90.9	91.8
≥ 400			61.6	85.2	87.1	88.3	88.6	89.5	90.3	90.9	91.1	91.5	91.6	91.8	91.9	92.9
≥ 300			61.6	85.6	87.8	89.2	89.4	90.4	91.1	91.7	92.2	92.5	92.7	92.9	93.7	94.2
≥ 200			81.6	85.6	87.8	89.3	89.5	90.5	91.2	91.8	92.3	92.8	93.1	93.4	93.5	95.8
≥ 100			81.6	85.6	87.8	89.3	89.5	90.5	91.2	91.9	92.4	93.7	93.8	93.7	93.6	96.6
≥ 0			81.6	85.6	87.8	89.3	89.5	90.5	91.2	91.9	92.4	93.0	93.5	94.1	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 6-5 PARADOZA AB SP

73-81

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ELL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9500																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000			64.6	73.1	74.8	75.8	76.5	77.8	79.3	78.5	78.7	79.1	77.2	79.5	79.5	79.5
≥ 4500			71.3	73.6	75.4	76.5	77.3	78.5	79.1	79.3	79.6	80.0	80.1	80.3	80.4	81.4
≥ 4000			71.6	75.2	77.7	78.2	79.1	80.3	80.9	81.2	81.5	81.9	82.1	82.4	82.4	83.5
≥ 3500			72.5	76.2	78.2	79.3	80.2	81.7	82.3	82.5	82.8	83.2	83.4	83.7	83.9	84.8
≥ 3000			73.7	77.1	79.3	80.5	81.4	82.9	83.5	83.8	84.7	84.5	84.7	85.1	85.1	86.1
≥ 2500			73.7	77.7	79.9	81.2	82.1	83.6	84.3	84.6	84.8	85.3	85.5	85.8	85.8	86.9
≥ 2000			74.1	78.3	80.5	81.8	82.8	84.3	84.9	85.2	85.5	86.0	86.2	86.5	86.6	87.6
≥ 1800			74.2	78.4	80.6	82.0	82.9	84.5	85.1	85.4	85.7	86.2	86.4	86.7	86.7	87.8
≥ 1500			74.2	78.4	80.8	82.2	83.2	84.8	85.5	85.8	86.1	86.7	86.9	87.2	87.3	88.3
≥ 1200			74.4	78.7	81.3	82.7	83.7	85.4	86.1	86.4	86.8	87.4	87.7	88.1	88.7	89.1
≥ 1000			74.4	78.9	81.6	83.1	84.1	85.8	86.6	86.9	87.2	87.8	88.1	88.4	88.5	89.5
≥ 900			74.5	78.9	81.6	83.1	84.2	86.0	86.7	87.1	87.4	88.1	88.3	88.6	88.7	89.8
≥ 800			74.5	79.0	81.8	83.3	84.4	86.2	87.1	87.4	87.8	88.5	88.8	89.1	89.2	90.3
≥ 700			74.6	79.1	82.1	83.5	84.7	86.6	87.5	87.8	88.2	88.9	89.2	89.6	89.7	90.8
≥ 600			74.6	79.2	82.2	83.7	84.9	86.9	87.8	88.2	88.6	89.3	89.6	90.1	90.2	91.7
≥ 500			74.7	79.4	82.4	84.0	85.2	87.2	88.3	88.7	89.1	89.8	90.2	90.7	90.7	91.9
≥ 400			74.8	79.5	82.6	84.2	85.5	87.6	88.7	89.2	89.7	90.5	90.9	91.4	91.7	92.8
≥ 300			74.8	79.6	82.7	84.5	85.7	87.9	89.1	89.7	90.2	91.2	91.7	92.3	92.6	94.1
≥ 200			74.8	79.6	82.8	84.5	85.8	88.0	89.3	89.9	90.4	91.6	92.2	93.1	93.4	95.8
≥ 100			74.8	79.6	82.8	84.5	85.8	88.0	89.3	90.0	90.5	91.7	92.6	93.6	94.1	97.1
≥ 0			74.8	79.6	82.8	84.5	85.8	88.0	89.4	90.1	90.6	91.9	92.9	94.1	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6589

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

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION LAHAGUA AB SP

73-81

YEAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500			84.4	97.5	88.4	89.7	89.4	89.2	92.1	90.3	90.4	90.5	92.5	90.6	97.5	92.9
≥ 4000			85.7	87.9	89.7	89.6	97.7	90.5	97.8	91.9	91.7	91.1	91.2	91.3	91.3	91.6
≥ 3500			86.4	89.4	91.6	91.2	91.6	92.2	92.4	92.6	92.7	92.7	92.9	92.9	93.7	93.3
≥ 3000			87.7	90.2	91.4	92.7	92.4	93.3	93.3	93.5	93.5	93.7	93.7	93.5	93.8	94.1
≥ 2500			87.9	91.2	92.4	93.1	93.5	94.2	94.4	94.6	94.7	94.9	94.9	95.7	95.7	95.7
≥ 2000			88.7	91.5	92.8	93.5	93.9	94.6	94.9	95.1	95.2	95.4	95.4	95.5	95.5	95.8
≥ 1800			88.6	91.9	93.3	94.0	94.5	95.2	95.5	95.7	95.8	95.9	96.7	96.7	96.7	96.4
≥ 1500			88.6	92.0	93.4	94.1	94.6	95.3	95.6	95.8	95.9	96.1	96.1	96.2	96.2	96.5
≥ 1200			88.7	92.2	93.6	94.3	94.8	95.5	95.8	96.1	96.2	96.3	96.4	96.5	96.5	96.8
≥ 1000			88.8	92.3	93.8	94.5	95.0	95.8	96.1	96.3	96.4	96.6	96.7	96.8	96.8	97.1
≥ 900			88.9	92.4	93.9	94.7	95.2	96.0	96.3	96.6	96.7	96.9	97.7	97.7	97.7	97.4
≥ 800			88.9	92.5	94.7	94.7	95.3	96.1	96.4	96.7	96.8	97.7	97.7	97.7	97.7	97.5
≥ 700			89.7	92.5	94.0	94.8	95.4	96.2	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600			89.7	92.5	94.1	94.9	95.5	96.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500			89.7	92.6	94.1	94.9	95.5	96.4	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400			89.7	92.6	94.2	95.0	95.6	96.5	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300			89.7	92.6	94.2	95.0	95.6	96.5	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200			89.7	92.6	94.2	95.1	95.7	96.7	97.1	97.5	97.6	97.9	98.1	98.3	98.4	99.7
≥ 100			89.7	92.6	94.2	95.1	95.7	96.7	97.1	97.5	97.6	98.7	98.2	98.4	98.5	99.3
≥ 0			89.7	92.6	94.2	95.1	95.7	96.7	97.1	97.5	97.7	98.7	98.2	98.5	98.6	99.7

TOTAL NUMBER OF OBSERVATIONS 76677

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 CR1605 LARAGOZA AB SP
 STATION STATION NAME

DAILY TEMPERATURES

57-74, 79-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105						1.9	3.1	2.4	.7				.3
100					.2	6.0	19.6	13.9	1.5				.7
95					3.7	18.4	43.8	36.1	11.3	.2			3.5
90					10.7	32.1	62.5	55.6	28.0				9.7
85			.2		23.8	54.2	83.3	77.6	51.0	6.3			16.0
80			.3	1.8	41.9	75.4	95.3	96.3	72.8	19.1	.2		25.2
75			2.4	9.5	66.0	92.3	99.5	99.7	90.2	44.9	1.8	.2	34.8
70		.9	9.7	25.1	84.0	98.6	100.0	99.8	97.3	66.9	7.7	1.2	44.5
65	.3	5.0	22.6	47.0	96.9	99.8		100.0	99.7	88.7	31.2	9.2	52.8
60	7.1	20.9	49.9	74.7	99.5	100.0			100.0	97.1	62.7	27.9	65.0
55	27.4	51.2	75.4	91.6	100.0					99.8	84.7	56.2	77.7
50	56.0	77.0	92.9	98.1						100.0	96.1	79.8	88.7
45	81.5	91.2	98.1	100.0							99.0	90.0	95.5
40	91.2	98.1	100.0								99.8	97.2	98.2
35	96.8	99.6									100.0	100.0	99.4
30	99.8	100.0											100.0
25	100.0												100.0
20													
15													
10													
5													
0													
MEAN	50.0	54.2	59.5	64.5	73.4	80.8	87.3	86.0	79.5	68.1	56.2	50.0	67.5
S D	7.153	6.762	7.236	7.158	8.304	8.392	7.463	7.204	7.809	7.053	6.591	7.306	15.181
TOTAL OBS	588	535	589	570	589	570	616	620	600	619	608	642	7146

STATION

STATION NAME

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC
CR1605 ZARAGOZA AB SP

STATION STATION NAME

DAILY TEMPERATURES

57-74, 79-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90								0.2					0.0
85						1.6	3.2	3.7	0.3				0.8
80						7.4	24.2	19.4	3.0				4.6
75					4.1	23.3	57.8	51.5	21.2				13.4
70			0.3		15.8	51.1	86.2	83.7	48.2	2.4			24.3
65			1.2	4.2	39.0	80.9	98.7	98.9	77.7	20.2		0.3	35.5
60		0.7	6.6	22.3	69.4	96.5	100.0	99.8	95.2	52.5	2.5	0.6	45.9
55	2.9	6.0	25.3	59.3	92.9	99.8		100.0	99.7	79.3	18.4	5.1	57.7
50	17.9	29.3	58.4	85.4	99.3	100.0			100.0	95.3	49.7	20.2	71.5
45	47.6	63.2	85.4	97.5	100.0					99.7	82.2	51.9	85.7
40	74.8	88.6	97.5	100.0						100.0	95.4	75.1	94.2
35	90.5	98.1	99.3								99.0	89.9	98.0
30	98.6	99.4	100.0								100.0	98.0	99.7
25	100.0	100.0										99.8	100.0
20												100.0	100.0
MEAN	43.6	46.2	50.7	55.3	63.0	70.0	75.5	74.9	69.3	59.4	49.3	44.1	58.4
S D	6.282	5.658	5.949	5.343	6.063	6.231	5.203	5.198	5.823	5.621	5.584	6.806	12.873
TOTAL OBS	588	539	589	570	589	570	616	620	600	619	608	642	7146

1 (AT LEAST ONE DAY LESS THAN 24 QBS)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

57-74, 79-81 _____
YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

1 (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

JAN
MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
1 / 61																		1	1						
2 / 59																		3	3						
3 / 57				.4														3	3						
4 / 55			.1	1.0														12	12						
5 / 53			.7	1.6	.4													22	22						
6 / 51		.2	1.2	1.4														23	23	11					
7 / 49		.8	2.0	1.8														38	39	21					
8 / 47	.2	1.9	3.0	2.0	.2													59	61	35					
9 / 45	.6	4.0	2.9	2.7	.2													84	86	51					
10 / 43	.4	4.1	3.2	2.2	.1	.1												92	94	78					
11 / 41	1.4	7.2	4.7	1.5	.5													173	125	92					
12 / 39	.9	6.1	5.2	.7														104	134	101					
13 / 37	1.5	3.7	2.4	.7														67	67	116					
14 / 35	.9	3.7	1.7	.9														58	59	93					
15 / 33	2.0	2.7	.9															45	45	77					
16 / 31	1.7	2.1	1.4	.2														44	44	55					
17 / 29	1.1	.9	.4															19	19	38					
18 / 27	.7	.2																8	8	12					
19 / 25	.7																	6	6	11					
20 / 23	.1	.1																2	2	2					
21 / 21																									
22 / 19																									
23 / 17																									
24 / 15																									
TOTAL	17.3	330.0	229.9	17.3	1.2	.5	.1											803	812	803					

PSYCHROMETRIC SUMMARY

16 E	CARAGOZA AB SP
STATION	STATION

73-81

YEARS

JAN
MONTH

PAGE 1

7370-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point												
57				.2	.4													7	7													
55			.1	.5		.1												6	6													
53			.2	.4	.7	.1												14	14													
51			1.1	.7	.4													19	19	3												
49		.5	1.4	1.1														24	25	16												
47		1.5	1.2	1.5														34	34	22	1											
45	.5	3.8	3.6	3.4	.5	.1												89	90	56	11											
43	.5	4.9	2.6	.6														70	72	45	45											
41	1.8	8.6	4.8	1.1	.7													139	141	90	73											
39	1.4	5.9	2.8	.9														89	89	104	69											
37	1.2	5.2	2.5	.5														76	77	99	107											
35	1.2	3.8	2.2	.1														60	60	93	87											
33	1.7	4.6	3.2	.4														72	72	80	87											
31	1.1	2.8	1.1															40	40	78	80											
29	1.1	3.7	.5															43	43	56	57											
27	1.7	.5																12	12	28	35											
25	.9	.1																8	8	12	32											
23	1.1	.1																10	10	10	42											
21																					13											
19																					7											
17																					3											
15																					1											
TOTAL	13.4	45.1	25.6	11.6	3.7	.4												812	819	812	812											

PSYCHROMETRIC SUMMARY

YEARS

MONTH

[illegible]

USAFETAC
FORM
MIL A4
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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

[illegible]

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

PSYCHROMETRIC SUMMARY

JAN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

73-81

489

STATION

STATION NAME

YEARS.

MONTH

PAGE : 1500-1700

HOURS L. S. T.

[illegible]

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

PSYCHROMETRIC SUMMARY

14 5	PARAGOZA AB SP
STATION	

-3-81

JAN
MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

449

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2307

HOURS 11 5 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 59				.2	.5													6	6													
1 / 57				.4	.4	.1												8	3													
5 / 55			.2	.6	.2													9	9													
1 / 53			.6	2.1	.2													23	23													
1 / 51		.2	1.1	2.7	.1													28	37	12												
1 / 49		1.1	1.8	2.7	.5													51	51	20												
1 / 47		2.7	2.4	3.4	.4													73	74	49	10											
1 / 45	.5	5.3	5.7	3.3	.1	.1												117	121	78	51											
1 / 43	.2	3.3	5.9	2.4	1.7	.1												52	84	97	54											
1 / 41	1.3	6.5	5.7	3.5	.4													145	147	101	51											
1 / 39	.7	6.2	4.3	.6		.1												76	96	110	79											
1 / 37	.7	1.3	2.1	1.1														47	47	111	94											
1 / 35	.2	3.1	1.8	.7														34	44	57	69											
3 / 33	2.8	1.2	.4	.2														35	35	73	84											
1 / 31	1.1	2.7	.6	.4														73	33	63	62											
1 / 29	.4	.4	.1															7	7	21	67											
1 / 27	1.2																	8	8	12	57											
1 / 25	.2																	2	2	2	59											
1 / 23																					23											
1 / 21																					5											
1 / 17																					5											
1 / 11																					1											
TOTAL	5.34	128.22	3.2	3.3	.5													818	828	815	816											
	</																															

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION PARAGUAY AB SP STATION NAME 73-81 YEARS JAN MONTH ALL
PAGE 1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
67 / 65																		1	1						
66 / 64																		25	25						
65 / 63																		42	42						
64 / 62																		171	171						
63 / 61																		129	129						
62 / 60																		191	193						
61 / 59																		255	259	61					
60 / 58																		331	339	132					
59 / 57																		473	479	274	19				
58 / 56																		496	505	390	80				
57 / 55																		799	812	619	344				
56 / 54																		556	563	728	353				
55 / 53																		936	945	879	681				
54 / 52																		603	604	794	560				
53 / 51																		364	365	752	722				
52 / 50																		341	341	567	637				
51 / 49																		338	338	577	731				
50 / 48																		296	297	411	693				
49 / 47																		193	193	376	511				
48 / 46																		87	87	179	421				
47 / 45																		39	39	54	307				
46 / 44																		35	35	75	255				
45 / 43																		1	1	1	63				
44 / 42																					21				
43 / 41																					25				
42 / 40																					9				
41 / 39																					5				
40 / 38																					5				
TOTAL	9.532	2.225	0.192	9.5	3.6													6543	5614	6543	5543				
</																									

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

PSYCHROMETRIC SUMMARY

FF2

MONTH

^330-2200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
44 / 61					.4													3	3												
45 / 61				.4	.1													4	4												
46 / 59				.4	.1	.3												6	6												
47 / 57				.5	.1													5	5												
48 / 55			1.4	.5	.3													16	16	6											
49 / 53	.1	.4	.9	1.4	.5	.1												26	26	9	1										
50 / 51		1.1	2.3	1.6	.7	.3												45	45	20											
51 / 49	.1	2.6	4.7	1.9	.4	.3												74	74	27	17										
52 / 47	.1	3.2	2.7	1.8	.5													62	62	58	25										
53 / 45	.1	4.2	4.7	3.5	.5													97	97	78	52										
54 / 43		3.5	3.7	3.5														79	79	68	39										
55 / 41	.3	3.9	6.8	2.4	.3													116	116	90	61										
56 / 39		3.2	4.3	1.6	.4													71	71	87	76										
57 / 37	.1	3.1	2.3	1.5														52	52	113	44										
58 / 35		2.4	3.1	.3														43	43	62	91										
59 / 33	.1	1.2	1.9															23	23	53	89										
60 / 31	.4		.8															15	15	46	78										
61 / 29		.1																1	1	16	54										
62 / 27		.1																1	1	4	42										
63 / 25																					31										
64 / 23																					24										
65 / 21																					7										
66 / 19																					1										
TOTAL	1.6	30.04	1.52	1.5	4.5	.9												739	739		739										

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

FFQ

STATION

STATION NAME

YEARS

MONTH

PAGE 1

767-7

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
47/50				.1														1	1													
47/49					.1													2	2													
47/57				.1	.1													3	3	1												
57/55			.4	.1	.7	.1												10	10													
47/53		.3	.1	.5		.3												11	11													
47/51		.5	.3	.4		.1												15	15	11	1											
57/49		2.3	1.9	.9	.7	.3												45	45	13	6											
57/47		2.5	2.3	1.9	.3													60	60	42	17											
47/45	.4	5.5	3.1	.9														74	74	68	59											
47/43		3.1	2.8	1.6														56	56	61	21											
27/41	1.3	6.	10.4	1.2														142	142	65	76											
47/39	.3	5.1	3.5	1.1														74	74	60	47											
57/37		.5	4.5	4.1	1.1													77	77	117	61											
57/35	.1	5.1	3.6	.3														98	68	70	72											
37/33	.9	2.1	2.5															42	42	91	67											
57/31		1.9	2.1															70	39	56	95											
37/29	.1	2.5																20	20	30	57											
27/27	.4	1.2																12	12	28	49											
57/25	.3	.1																3	3	2	53											
57/23	.3	.4																5	5	5	47											
57/21																				1	5											
57/19																					2											
57/17																					1											
TOTAL	4.74	3.13	6.71	0.7	2.1	.9												750	750	750	750											

PSYCHROMETRIC SUMMARY

YEARS

FE 2
MONTH

PAGE 1 2900-1100
HOURS 11 5 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
47 / 62																		1	1																
47 / 61					.1													1	1																
47 / 59					.5	.3												6	6																
47 / 57				.4	.5	.3												9	9																
57 / 55		.3	.7	.4	2.3													27	27																
47 / 53			.5	.0	.9													18	18	3															
57 / 51		.7	2.6	1.7	.9													44	44	17	2														
57 / 49		2.0	2.1	2.3	1.7		.1											62	62	29	5														
47 / 47		3.2	2.5	2.5	1.2	.1												72	72	56	12														
47 / 45	.4	4.2	5.7	3.2	.3	.1												174	174	74	62														
44 / 43	.3	2.9	3.8	2.3	.4													73	73	81	33														
40 / 41	.9	6.5	9.3	2.6	.3													152	152	98	88														
47 / 39	.2	2.7	4.7	1.7	.1													61	61	170	79														
47 / 37	.3	2.8	2.8	.7														49	49	93	73														
47 / 35		2.7	1.7															28	28	76	72														
47 / 33	.3	1.1	1.2															19	19	59	86														
47 / 31		.7	.9															12	12	25	76														
47 / 29	.1	1.6																13	13	71	47														
47 / 27		.7																2	2	10	55														
47 / 25		.1																1	1	2	35														
47 / 23		.1																1	1	1	28														
42 / 21																					5														
47 / 19																					4														
TOTAL	2.5	30.3	33.7	21.8	71.0	.2	.8	.1	.1									755	755	755	755														

Element (X)	Σ X'	Σ X	X	c _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4189659	55431	73.4	12.615	755	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1491674	33214	44.0	6.257	755		3.7					84
Wet Bulb	1251539	30451	40.3	5.568	755		6.6					84
Dew Point	992118	26930	35.7	6.469	755		27.7					84

PSYCHROMETRIC SUMMARY

FE2
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1500 LAPAGOZA AB SP

73-81

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																								
59						.1	.1													2	2																							
60					.1	.1														2	2																							
61						.7	.7	.3	.4											12	17																							
62				.1	.5	1.6	.9	.5	.7											33	33																							
63			.1	.3	2.3	2.8	2.7	.3	.1											59	59	1																						
64		.5	.4	.8	2.5	4.1	2.1	.9	.3											98	88	2																						
65		.1	.3	.9	3.7	2.3	1.6	.9												74	74	12																						
66		.1	.9	.6	1.9	5.2	2.4	.9												92	92	15	4																					
67			.9	1.9	2.4	3.6	.8	.3												74	74	47	5																					
68		1.6	1.3	2.9	4.5	.8	.8	.1												91	92	62	7																					
69		.4	.9	.9	2.3	2.8	1.7													68	68	176	21																					
70	.4	1.7	1.3	.9	2.9	1.9	.9													76	77	91	29																					
71		1.1	.4	1.3	.8	1.2														36	36	132	74																					
72		1.2	.3	.4	.8	.3														22	22	175	33																					
73		.7	.7	.4	.4															16	16	80	108																					
74																						45	69																					
75				.1	.3															3	3	46	51																					
76		.1																		1	1	12	41																					
77																						2	69																					
78																						1	65																					
79																						2	49																					
80																							78																					
81																							27																					
82																							37																					
83																							9																					
84																							13																					
85																							4																					
86																							2																					
TOTAL	.4	7.6	7.6	11.9	25.5	27.5	13.8	4.3	1.5											749	751	749	749																					

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

PSYCHROMETRIC SUMMARY

73-81

YEARS

६५३

PAGE 1 1870-2200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

553

MONTH

PAGE 1 2170-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB

120
MONTH

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION LAPAGOZA AB SP

73-81

MAR
MONTH

PAGE 1 0000-2200
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																																												
74 / 73											.1							1	1																																													
73 / 71											.1							1	1																																													
72 / 69											.1							1	1																																													
71 / 67						.1		.1	.1									3	3																																													
70 / 65						.2												2	2																																													
69 / 63					.1	.6	.1											7	7																																													
68 / 61			.1	.5	.2	.2												9	9																																													
67 / 59			.1	.2														3	3																																													
66 / 57			.7	1.1	.4	.2												19	19																																													
65 / 55		.1	1.0	1.2	.3	.2												29	28																																													
64 / 53		.7	2.1	2.8	1.5	1.7												66	66																																													
63 / 51	.1	1.4	3.3	3.7	1.5	.2												75	75																																													
62 / 49		2.4	7.3	3.3	1.5	.1												118	118																																													
61 / 47	.1	2.8	3.7	2.5	.9													81	81																																													
60 / 45		2.0	5.2	2.8	.4													84	85																																													
59 / 43		1.4	4.5	3.2	.7													76	76																																													
58 / 41		4.2	7.7	3.2	.4													125	125																																													
57 / 39		1.0	2.4	1.5	.4													42	42																																													
56 / 37		1.0	.5	.6														17	17																																													
55 / 35	.1	1.1	1.6	.2														24	24																																													
54 / 33		.2	2.4															21	21																																													
53 / 31	.1	.2	.1															4	4																																													
52 / 29		.1																1	1																																													
51 / 27																																																																
50 / 25																																																																
49 / 23																																																																
48 / 21																																																																
47 / 19																																																																
TOTAL	.5	18.6	42.8	26.7	8.3	3.1	.1	.1	.2	.1	.1							878	809																																													

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

DE 1405 ZARAGOZA AB SP

STATION S

73-61

242

MÔN T H

PAGE 1 1372-2500

HOURS 11:50 - 1:00

[illegible]

PSYCHROMETRIC SUMMARY

73-81

STATION

STATION NAME

YEARS

442

MONTH

PAGE 1

26-77-2822

HOURS 11. 5. 7.

[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4731395	63145	76.4	11.547	827	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	1572887	35629	43.1	6.775	827		5.3	.2				93
Wet Bulb	1350140	33024	39.9	6.167	827		11.6					93
Dew Point	1174226	29660	35.9	7.001	827		29.0					93

USAFETAC FORM 0-26-5 (OL A) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
S.E. 44

PSYCHROMETRIC SUMMARY

73-31

483

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0970-1120

NO IRS (L. S. T.)

[illegible]

AD-A138 281

ZARAGOZA AIR BASE SPAIN REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 DEC 83

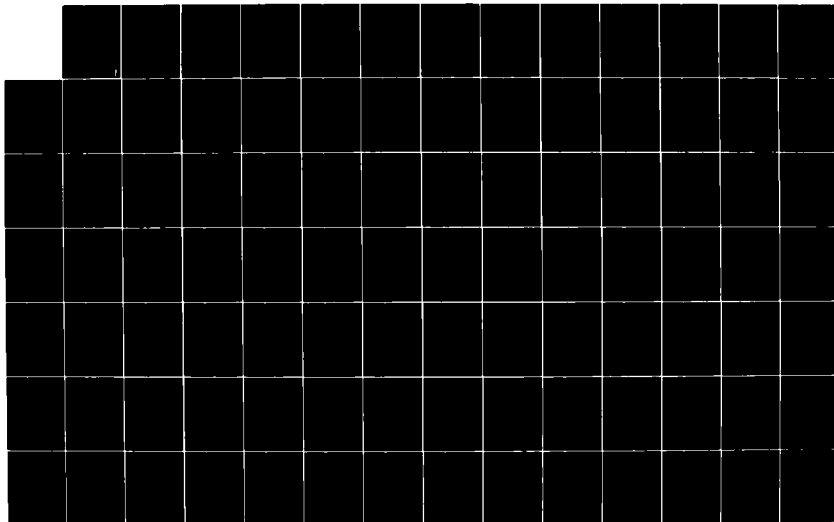
4/5

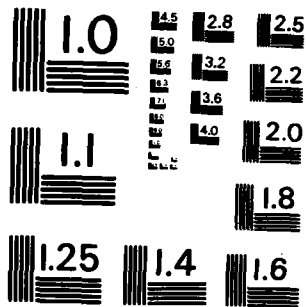
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USAFETAC/DS-83/051 S81-AD-E850 504

F/G 4/2

NL





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

PSYCHROMETRIC SUMMARY

MAR
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

01505 ZARAGOZA AB SP
STATION STATION NAME

73-81
YEARS

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
66/ 35												.1						1	1						
64/ 33												.4						3	3						
62/ 31											.2							2	2						
7-/ 77								.5										4	4						
66/ 75							.1		.2	.2	.5							9	9						
64/ 73							1.0	.2	1.1	.4	.1							23	23						
62/ 71							.5	.2	.8	.5		.1						18	18						
7-/ 69						.1		1.6	.4	.1	.5							22	22						
6-/ 67						.5	1.3	1.7	.2	1.1	.1							35	35						
66/ 65				.1	.5	1.1	1.7	1.9	1.2	.1	.1							56	56						
64/ 63			.2			.1	1.9	2.2	2.8	.7	.2							68	68	8					
62/ 61						2.5	1.6	2.8	1.9	.5	.4							80	80	12					
60/ 59				1.6	1.4	4.7	3.9	3.5	.2									127	128	11					
58/ 57			.1	.8	1.4	2.7	1.8	1.9	.6									78	78	36	2				
56/ 55			.2	.2	1.6	4.7	1.8	.5										75	75	60	7				
54/ 53		.1		1.1	2.1	1.9	1.4	.5										59	59	83	5				
52/ 51			1.7	1.2	1.9	1.6	1.7											61	51	73	11				
50/ 49		.6	.6	.2	1.1	.8	1.6											41	41	174	21				
48/ 47		.1	.2	.7	.7	.6	.5											24	24	117	39				
46/ 45		.2	.5	.5		1.7	.1											24	24	121	73				
44/ 43		.2		.4	.2	.1	.2											10	10	76	62				
42/ 41		.5	.4	.1														8	8	64	95				
40/ 39																				28	86				
38/ 37																				27	63				
36/ 35																				6	68				
34/ 33																				2	59				
32/ 31																					62				
30/ 29																					42				
28/ 27																					49				
26/ 25																					11				
24/ 23																					46				
22/ 21																					19				
20/ 19																					7				
18/ 17																					1				
Element (X)	Σ x ²		Σ x		Σ		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Ref. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1570-1750
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / 13 CTA		2.4	3.3	7.0	17.6	23.3	22.6	16.5	6.0	3.0	1.6	.6							828	829		828

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

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 1670-2000
HOURS (L. S. T.)

[illegible]

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

2

YEARS

73-81

442

STATION

STATION NAME

PAGE 2 187C-2700

HOURS (L. S. T.)

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

PSYCHROMETRIC SUMMARY

41605
STATION

LAFAGOZA AB SP

73-81

MAC
MONTH

PAGE 1 2170-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

VAD

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

73-31

MAZ
MONTH

PAGE 2

ALL

ALL
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 17																						12										
1 / 15																						10										
1 / 13																						7										
1 / 11																						2										
TOTAL	.4	15.4	25.0	19.8	14.9	10.9	7.2	3.7	1.5	.6	.4	.1								6567	6551	6551										
																			6551		6551											

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

PSYCHROMETRIC SUMMARY

73-81

423

PAGE 1 7000-7200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

A 2 2

STATION

STATION NAME

YEARS

MONTH

PAGE : 0300-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 61			.4															3	7													
2 / 59			.3	.0	.1	.3	.1											13	13													
3 / 57		.3	.9	.9	.6													21	21	3												
4 / 55		1.0	1.9	1.3	1.2	.1												43	43	4												
5 / 53		1.0	1.8	1.4	.5													37	37	75	9											
6 / 51	.1	1.7	2.1	1.3	.3													42	42	36	1											
7 / 49		3.5	7.2	2.4	.5	.3												108	109	57	22											
8 / 47		2.7	6.7	2.8	.9	.3												104	104	62	47											
9 / 45	.1	5.9	5.4	8.0	1.4													162	162	118	68											
10 / 43		3.1	4.3	3.7	.6	.4												88	88	96	39											
11 / 41		2.4	4.9	3.1	.5													85	85	98	104											
12 / 39	.3	1.9	1.7	.9														36	36	95	56											
13 / 37	.1	.3	1.7															16	16	91	42											
14 / 35		1.0	.4															11	11	41	87											
15 / 33	.1	.1	.3															4	4	73	56											
16 / 31		.1	.3															3	3	4	65											
17 / 29																				5	46											
18 / 27																					23											
19 / 25																					17											
20 / 23																					8											
21 / 21																					5											
TOTAL	.525	.040	.126	.0	6.7	1.3	.1												776	776	776											
																		776		776												

Element (X)	Σ X ¹	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4221966	5694	73.4	11.574	776	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1733341	36465	46.9	5.327	777		.3					90
Wet Bulb	1463322	33453	43.1	5.259	776		1.7					90
Dew Point	1189911	29941	38.6	6.689	776		19.6					90

PSYCHROMETRIC SUMMARY

457

MONTH

1922-23

HOURS 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B. Dry Bulb	Wet Bulb	Dew Point				
7 / 61			.3															7	7					
7 / 59			.3	.8	.1													9	9					
7 / 57		.3	.5	.6	.6													15	15					
5 / 55	.1	1.1	1.4	1.7	.1													30	30	5				
4 / 53		1.0	1.8	2.1														30	30	1				
2 / 51		2.9	2.7	.9	.1													47	47	15				
5 / 49	.1	3.9	6.4	2.6	.2													110	110	25				
4 / 47	.1	5.5	4.4	3.1	.5													109	109	45				
4 / 45	.1	5.6	6.7	5.5	1.4													149	149	51				
4 / 43		2.1	4.0	3.8	.5													83	83	57				
2 / 41		5.5	5.6	3.1	.3													116	116	117				
4 / 39	.3	2.7	2.1	.5														39	39	76				
3 / 37		1.3	1.1	.1														20	20	67				
3 / 35		1.3	.8															16	16	87				
3 / 33	.3	.8																5	5	81				
2 / 31		.3	.3															4	4	54				
2 / 29																				3				
2 / 27																								
2 / 25																								
2 / 23																								
2 / 21																								
2 / 19																								
TOTAL	1.0	33.5	36.9	24.2	4.4													737	737	737				

Element (X)	Σx^1	Σx	$\bar{x}$	σ_a	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	4616248	60014	75.34	1.164	797	$\leq 8 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1731925	36937	46.3	5.359	797							
Wet Bulb	1485376	34144	42.8	5.331	797							
Dew Point	1227877	30833	38.7	6.637	797							

PSYCHROMETRIC SUMMARY

AD 2
MONTH

PAGE 1 7900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

DA1605 2APAGOZA AB SP
STATION STATION NAME

73-81

YEARS

1973

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
7 / 77																																				
6 / 75																																				
5 / 73																																				
4 / 71																																				
3 / 69																																				
2 / 67																																				
1 / 65																																				
0 / 63																																				
7 / 61																																				
6 / 59																																				
5 / 57																																				
4 / 55																																				
3 / 53																																				
2 / 51																																				
1 / 49																																				
0 / 47																																				
7 / 45																																				
6 / 43																																				
5 / 41																																				
4 / 39																																				
3 / 37																																				
2 / 35																																				
1 / 33																																				
0 / 31																																				
7 / 29																																				
6 / 27																																				
5 / 25																																				
4 / 23																																				
3 / 21																																				
2 / 19																																				
1 / 17																																				
0 / 15																																				
TOTAL																																				
Element (X)	2x1	2x	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Rel. Hum.	72.0754	47.532	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575
Dry Bulb	72.0754	47.532	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575	57.7	43.575
Wet Bulb	19.78551	39.565	49.5	5.225	8.00	17.9	2.2																													
Dew Point	13.8138	31.764	39.7	7.657	8.00	17.9	2.2																													

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

PSYCHROMETRIC SUMMARY

APC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
/ 31											.3			.1	.1			4	4						
/ 72										.1								1	1						
7 / 72								.5	.7	1.5	.1	.1	.1					21	21						
6 / 75							.1	1.1	.3	.5	.5	.7						22	22						
4 / 77						.1	.4	.7	.9	.4	.4	.1	.1					25	25						
/ 71							.5	1.1	.9	.5	.3	.1						30	37						
/ 69						.5	.6	.5	1.8	.8	.6							39	39						
6 / 67					.7	.8	1.7	1.1	1.4	.9	.4							45	45						
6 / 66				.3	.1	.4	1.6	1.0	1.6	.8								53	53						
4 / 63			.1	.1	.3	3.3	1.4	3.7	2.4	.8								92	92	6					
7 / 61			.4	.5	.7	2.3	2.6	3.7	2.3	1.3	.5	.3						104	104	21					
/ 59		.1		1.1	2.4	4.9	3.7	3.1	.9	.1								131	131	37					
/ 57			.4	.9	.6	1.6	1.6	.9	.1									49	49	40	6				
5 / 55	.1		.5	.8	1.4	2.8	1.1	1.1										62	63	49	8				
4 / 53		.1	.3	.6	1.6	.8	.3											31	31	176	7				
7 / 51		1.1	.8	.8	.8	.9	.6											39	39	118	22				
5 / 49		.6	.5	.1	.6	.6	.4											23	23	170	43				
4 / 47		.3	.1		.3	.3	.7											14	14	175	42				
4 / 45		.1	.1	.3		.1												5	5	98	91				
4 / 43		.4	.1															4	4	39	46				
7 / 41																				76	89				
4 / 39																				14	92				
7 / 37																				5	58				
7 / 35																					56				
34 / 33																					49				
72 / 31																					42				
7 / 29																					39				
2 / 27																					46				
7 / 25																					20				
74 / 23																					24				
2 / 21																					17				
75 / 19																					2				
/ 7																					2				
Element (X)	Σ x'		Σ x		Σ		σ _n		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

ADD
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

73-81

APC

STATION

STATION NAME

YEARS

MONTANA

PAGE 1

1472-2743

HOURS (L, S, T, I)

[illegible]

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

PSYCHROMETRIC SUMMARY

73-61

STATION

STATION NAME

YEARS

APP

MONIN

PAGE 2

1873-2023

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

91535	BARAGOLA AB SP
STATION	STATION NAME

73-81

YEARS

ADD
MONTH

PAGE 1 2100-2302
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
67				.1	.1		.1											3	7									
66						.6			.1									6	6									
63			.1	.9	1.2	.9	.7	.1	.1									34	34	1								
61			.2	1.2	1.5	.5	.4	.4	.1									35	35									
59		.1	.7	2.2	2.1	2.0	1.5											70	70	2	1							
57			1.1	2.2	2.2	1.0	.6	.1										59	59	17	1							
55		.7	1.0	1.5	1.2	1.6	.4											52	52	31	3							
53		.1	2.2	3.7	3.2	1.1	.4											81	82	50	8							
51		1.6	3.1	2.7	4.5	1.1	.5											110	110	61	26							
49		2.5	5.2	3.5	3.1	.7	.2											123	123	98	36							
47		1.4	3.2	2.9	3.7	.4	.1											94	94	172	52							
45		1.7	.9	3.4	2.4	.2												69	69	122	85							
43		.5		2.1	.4	.1												25	25	114	70							
41		.6	1.6	1.5	.2													32	32	70	108							
39			.7	.1														7	7	51	74							
37			.1															1	1	48	53							
35			.1															1	1	31	60							
33																				3	58							
31																				1	53							
29																					50							
27																					40							
25																					11							
23																					10							
21																					2							
19																					1							
TOTAL		9.4	20.6	27.4	26.1	10.3	5.2	.6	.4										802	803	802							

Element (X)	ΣX'	ΣX	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	332.707	504.23	62.913	7.09	802	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2213782	41896	52.2	5.822	803			.3				90
Wet Bulb	1727112	36976	46.1	5.281	802		.1					90
Dew Point	1281184	31528	39.3	7.221	802		18.7					90

PSYCHROMETRIC SUMMARY

73-81

ADD

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
045	BARAGOZA AB SD

73-81

YEARS

MAY
MONTH

PAGE 1 2000-7200
HOURS 12.5. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1 / 75								.1										1	1						
2 / 71								.1										1	1						
3 / 69							.5	.1										3	4						
4 / 67			.1	.4	.5	1.5	.6	.1		.1								23	29						
5 / 65			.2	.7	2.	1.1	.7	.1										47	41	1					
6 / 63		.1	.5	1.4	3.1	2.2	1.	.1										68	59	1	1				
7 / 61		.6	.9	1.7	1.5	.7	.1											46	46	11					
8 / 59		.2	2.1	2.9	2.7	2.5	.5											88	92	24	6				
9 / 57	.1	1.5	2.1	3.4	2.7	.2	.4											54	54	58	9				
10 / 55		2.4	3.0	5.2	2.5	.1												175	136	79	31				
11 / 53	.1	3.6	4.1	5.7	1.6	.5												126	125	176	57				
12 / 51	.1	1.9	4.3	2.1	1.1	.4												80	61	117	74				
13 / 49		1.4	2.9	3.2	1.1													69	69	179	92				
14 / 47		.9	1.5	1.4	.5													35	35	175	88				
15 / 45		.7	.4	1.9														24	24	72	122				
16 / 43		.1	.1	.2														4	4	42	61				
17 / 41		.1	.1															2	2	23	109				
18 / 39																				15	58				
19 / 37																				2	11				
20 / 35																					27				
21 / 33																					22				
22 / 31																					16				
23 / 29																					3				
24 / 27																					2				
TOTAL	.4	13.5	22.4	37.2	19.8	9.6	3.5	.6		.1								805	814	835					

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 2300-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
6 / 65				.7				.1										7	4													
4 / 63			.1	.9	1.7	.6	.1											22	22													
/ 61			1.0	2.0	.9	.4	.1											35	36	2												
/ 59	.1	1.7	2.5	3.6	2.5	1.4	.1											97	95	9	5											
/ 57	.1	2.7	2.5	4.7	1.8	.1												84	85	31												
5 / 55	.1	1.8	2.6	2.8	1.3	.1												69	69	66	15											
4 / 53	.1	3.1	3.8	7.4	.6	.5												124	124	80	35											
2 / 51		3.3	7.8	3.7	.8	.5												123	123	111	53											
/ 49		2.8	5.5	1.8	.9	.3												89	89	120	78											
4 / 47		2.1	4.1	1.9	.9													72	72	157	74											
5 / 45	.1	2.6	2.3	2.1	.5													62	52	91	166											
4 / 43		.1	.8	.6														12	12	59	92											
2 / 41	.1	.6	.5															13	17	43	118											
1 / 39		.1																1	1	30	58											
/ 37																				7	23											
/ 35																					25											
3 / 33																					27											
/ 31																					15											
/ 29																					12											
/ 27																					5											
TOTAL	.9	19.5	33.5	37.4	11.2	4.7	.4	.1											796	904	796											

PSYCHROMETRIC SUMMARY

73-81

W A V

STATION

STATION NAME

YEARS

MONTH

PAGE :

7620-0800

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

DAY
MONTH

PAGE ' 1970-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77									.1	.2								7	4																
6 / 75								.7	.7	.1								9	9																
4 / 73								.5	.6	.2	.1							13	14																
3 / 71						.1	.4	.5	.5									12	13																
2 / 69						.3	1.0	1.7	.9	.1								22	32																
1 / 67						.5	1.8	.9	.7	.4	.1							37	38																
6 / 65				1.1	1.4	2.8	1.7	1.2	.2									71	72																
4 / 63			.5	2.7	2.9	6.2	1.8		.2									111	112	3															
3 / 61		.4	1.2	2.0	5.7	3.1	.4											96	96	75															
2 / 59		.6	2.3	3.4	5.5	4.7	1.1	.2										149	157	58	2														
1 / 57		.6	1.6	2.6	3.3	1.9	.5											82	82	86	17														
5 / 55		1.2	1.2	3.1	2.3	1.5	.2											76	76	118	25														
4 / 53		1.1	1.6	1.7	1.5	.2	.2											52	52	141	45														
3 / 51		.5	1.2	1.7	1.6	.4												38	39	115	77														
2 / 49		.5	.6	.5	.6	.1												19	19	97	88														
1 / 47		.4	.1	.5	.4													14	14	70	61														
4 / 45		.1																1	1	41	101														
4 / 43	.2																	2	2	72	63														
2 / 41		.1																1	1	11	17														
4 / 39																				1	36														
2 / 37																					25														
1 / 35																					26														
3 / 33																					19														
2 / 31																					0														
1 / 29																					3														
1 / 27																					1														
1 / 25																					7														
TOTAL	.2	5.5	10.6	18.1	25.9	23.7	0.5	4.9	1.3	.6									818	825	818	918													

PSYCHROMETRIC SUMMARY

77-61

44

STATION

STATION NAME

YEARS

MONTH

PAGE 1

100-1410

MOHNS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
67/85										.1	.1	.1	.1					4	4					
67/82										.2	.1	.4						6	6					
67/81										.1	.2	1.7	.2	.2				15	15					
67/79										1.7	.8	.1		.1				17	17					
7/77								.4	1.7	2.1	1.4	.7	.4					48	51					
7/75								.2	1.8	1.7	1.6		.1					36	27					
47/71						.2	1.7	.9	1.6	1.7	.1							47	48					
7/71					.1	.5	2.1	1.9	.8	.6								49	57					
7/69					.1	1.6	1.9	3.2	2.7	.5								75	75					
6/67					1.2	2.0	3.7	3.3	.4	.4								89	91		2			
67/65				.4	.8	2.6	4.1	1.5	.7									63	63		12			
47/63				1.1	2.7	5.7	4.7	1.4	.6									125	126		76			
7/61			.5	1.6	1.9	2.7	1.5	.8	.1									67	67		71			
7/59			.1	1.7	1.1	2.1	2.5	.6	.6									71	71		75			
67/57		.1	.7	.5	.5	1.1	.4	.2										70	70		179			
57/55		.2	.4	1.7	.7	1.2												29	29		148			
47/53	.1	.2	.5	.2	.1	.1												11	11		162			
67/51			.1		.4													4	4		77			
67/49			.1															1	1		56			
67/47																					77			
67/45	.5	.1																3	3		54			
47/43																					9			
67/41																								
47/39																					121			
7/37																					67			
7/35																					75			
67/33																					81			
67/31																					85			
7/29																					14			
7/27																					1			
7/25																					2			
67/23																					4			
TOTAL	.4	.7	2.2	6.5	9.9	16.1	22.7	16.2	11.1	7.2	2.2	1.2	.5						810	810		610		
Element (X)	Σ x ¹	Σ x	X	C _x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	1643819	38471	47.5	12.996	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	2775223	54787	65.8	6.954	820			44.8	27.2	3.9			97											
Wet Bulb	2484512	44734	55.2	4.523	817					.7			93											
Dew Point	1688259	36639	45.2	6.186	817		2.6						97											

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

PSYCHROMETRIC SUMMARY

YEARS

4 A Y
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
/ 31													.1	.1	.1			3	3						
/ 30								.1					.1		.2			4	4						
/ 29										.2	.1			.5	.1			2	2						
/ 28										.5	.4	1.0	.5	.1				21	21						
/ 27									.9	1.5	.4	.7	.1					37	31						
/ 26							.1	.1	1.5	1.4	1.6	.6	.2					45	45						
/ 25								.5	.5	.6	.6							12	21						
7 / 24							.1	.1	1.7	3.4	2.7	.1						67	69						
6 / 23						.1	.1	1.7	.9	2.5	.9	.2						52	54		1				
4 / 22						.1	.3	1.7	1.7	1.6	.5							53	57						
/ 21					.1	.1	1.5	1.8	1.7	1.8	.1	.1						57	57						
/ 20				.1	.2	.5	1.7	3.8	2.7	.4	.1							79	80		1				
/ 19			.1	.1	.1	1.5	2.5	4.6	1.2		.1							83	83	5	1				
/ 18				.5	.5	2.3	2.3	1.4	.4									75	75	75					
4 / 17		.1	.7	.7	.5	2.5	2.5	1.6	1.1	.1								82	82	74	1				
/ 16		.1	.6	1.7	1.2	.5	1.7	.5	.4									49	52	82	1				
/ 15		.2	.5	.2	.9	1.5	.7	.5	.4									41	41	84	6				
/ 14		.4	.7	.9	.2	.6	.4	.1										27	27	123					
5 / 13		.5	.4	.1	.2	.1	.1											13	17	150	25				
4 / 12		.1	.1		.1													7	7	123	49				
/ 11		.2	.2	.1														5	5	65	67				
/ 10			.1															2	2	47	72				
/ 9		.1																1	1	28	77				
/ 8		.2																2	2	14	142				
4 / 7																				72					
2 / 6																					131				
1 / 5																					69				
1 / 4																					34				
1 / 3																					25				
1 / 2																					15				
1 / 1																					7				
1 / 0																					8				
1 / -1																					2				
Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					Total									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

MAV

MONTH

HOURS (L, S, P)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1570-2200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

HOURS (L, S, T)

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

PSYCHROMETRIC SUMMARY

PARAGUAY AB SP

77-81

457

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
7 / 31																		3	7													
7 / 29																		4	4													
5 / 27																		14	14													
5 / 25																		35	25													
7 / 23																		63	65													
7 / 21																		91	92													
7 / 19																		61	64													
7 / 17																		179	168													
7 / 15																		145	157		1											
7 / 13																		177	179													
7 / 11																		176	183													
7 / 9																		278	284		3											
7 / 6																		351	356		7											
6 / 4																		396	403		1											
4 / 2																		616	622		3											
7 / 61																		437	440		6											
7 / 59																		714	729		40											
7 / 57																		544	548		72											
6 / 55																		524	524		226											
7 / 53																		500	500		340											
7 / 51																		433	435		639											
6 / 49																		701	702		625											
6 / 47																		190	190		664											
4 / 45																		156	156		1140											
4 / 43																		40	40		668											
2 / 41																		28	28		917											
4 / 39																		4	4		437											
7 / 37																		1	1		712											
7 / 35																					191											
3 / 33																					162											
7 / 31																					112											
7 / 29																					54											
7 / 27																					32											
7 / 25																					8											
Element (X)	Σ x ²				Σ x				Σ				Σ				No. Obs.				Mean No. of Hours with Temperature											
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 2

41.1

HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

73-21

2019

STATION

STATION NAME

YEARS

MONTM

PAGE 1 1070-00.0
HOURS 11.5.7.

[illegible]

PSYCHROMETRIC SUMMARY

73-61

STATION

STATION NAME

YEARS

... JULY ...
MONTH

PAGE 4

232-252
HOURS 5-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77																		4	4																
6 / 75						.3	.1	.3	.1									6	6																
4 / 72					.1	.4	.7	.3										12	12																
7 / 71					1.3		.5											14	14																
7 / 69				.4	.5	.7	.7											19	19																
7 / 67				.3	.5	2.0	.1	.3										26	26																
6 / 65			.5	2.1	2.2	1.2	.1	.4										50	50																
4 / 63		.1	2.0	5.5	6.5	1.3		.5										122	122	15															
7 / 61		2.1	2.7	4.2	4.3	.5	.4											103	123	36	6														
7 / 59		2.6	5.7	6.9	3.1	1.7												148	148	51	32														
7 / 57	.5	2.5	3.7	3.7	1.7	.4												86	86	179	55														
5 / 55		2.5	2.6	3.5	1.4	.1												78	87	171	61														
4 / 53	.7	1.4	1.7	3.8	.3													52	53	173	52														
7 / 51	.3	.8	1.2	1.7	.3													27	27	91	128														
7 / 49		.3	.7	.3														9	9	72	26														
7 / 47	.3	.4		.7														7	7	52	42														
7 / 45		.4		.1														4	4	17	25														
7 / 43																				3	17														
4 / 41																				2	54														
4 / 39																				1	15														
7 / 37																					4														
7 / 35																					4														
3 / 33																					2														
7 / 31																					2														
TOTAL	1.3	13.0	17.0	31.2	22.7	8.5	3.4	1.7	.1	.1								767	767	767	767														

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3327673	53333	60.5	12.695	767	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2317238	46386	64.2	5.454	767			9.5	2.6			93
Wet Bulb	229826	41850	54.6	4.386	767							97
Dew Point	1926332	38224	49.8	5.287	767		.2					95

STATION LIBROZA AB SP

72-31

JUN
MONTH

PAGE 1

7600-2800
HOURS U. S. T.

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

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

STATION

STATION NAME

YEARS

433

MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 2 1270-1402
HOURS (L. S. T.)

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

77-31

10 MONTHS

STATION

STATION NAME

YEARS

PAGE 1

1572-1722

HOURS / L, S, T.

[illegible]

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

PSYCHROMETRIC SUMMARY

7-201

STATION

STATION NAME

YEARS

July
 MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
77	2.4	1.6	1.6	3.1	4.5	4.9	11.4	14.7	17.1	17.9	18.0	8.0	4.3	3.8	1.3	.4		795	795	795												
78																																
79																																
80																																
81																																
82																																
83																																
84																																
85																																
86																																
87																																
88																																
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91																																
92																																
93																																
94																																
95																																
96																																
97																																
98																																
99																																
100																																

PSYCHROMETRIC SUMMARY

73-81

1, 2, 3,

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1670-2025

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

_____ MONTH

1300-2200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-31

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

71-2-2343

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1 / 61																		1	1																	
1 / 64										.1								1	1																	
1 / 67											.4	.1						7	7																	
1 / 69										.5	.7	.1						7	7																	
1 / 72									.7	.7	.9	.4		.1				15	15																	
1 / 74								.4	1.1	.8	.5	.1	.7					25	25																	
1 / 76								1.0	.8	.4	.7	.1	.1					19	19																	
7 / 77						.1	1.1	1.4	1.7	1.8	.6							53	53																	
7 / 78					.1	.4	2.6	2.6	.9	.1	.1							53	53																	
7 / 79					.1	1.4	1.7	1.7	1.7	.1	.1							51	51																	
7 / 81				.4	.7	1.5	2.7	1.9	1.1	.1								72	72	1																
7 / 82			.6	1.7	2.6	1.9	1.7	.1										66	66	4																
7 / 83			.1	1.5	3.1	2.7	.3											63	63	23																
7 / 85		.8	1.4	1.8	1.8	2.2	1.9	.4	.7									79	79	46																
7 / 87		.8	1.7	2.7	4.2	4.1	1.1											109	109	77	12															
7 / 89		1.4	1.7	1.1	2.7	.8	.4	.1										58	58	171	13															
7 / 89		1.8	1.7	.6	2.7	2.7	.1	.1										67	67	173	62															
7 / 91		.6	.6	.5	.6	.1												22	22	126	50															
8 / 95		.4		.3	.1	.1												7	7	68	74															
8 / 97		.1	.3	.4	.1													7	7	78	91															
8 / 99	.4	.1	.3	.1														7	7	76	76															
8 / 99		.1																1	1	28	62															
8 / 47																				7	92															
4 / 48																				3	91															
4 / 47																				1	45															
4 / 41																					35															
4 / 39																					14															
7 / 37																					3															
7 / 35																					4															
7 / 33																					3															
7 / 31																					1															
7 / 29																					1															
TOTAL	.4	5.9	6.2	9.8	15.7	18.5	16.6	11.5	7.3	4.8	2.6	.6	.5					784	784		784															
Element (X)	Σx ¹		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.	2635741		43753		55.8		15.749		784		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total													
Dry Bulb	7713582		5365		68.4		7.346		784						49.2		26.2		7.1				57													
Wet Bulb	271775		45479		58.5		4.549		784						7.2								93													
Dew Point	264379		39971		51.7		5.820		784						.2								97													

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

PSYCHROMETRIC SUMMARY

73-31

YEARS

JUN
MONTH

2435

All

HOURS 11.5 - 7.

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

226

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

JUL
MONTH

HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 89																		1	1																
6 / 85										.1	.1	.4						5	5																
4 / 81								.1	.2	.4	.2							8	8																
/ 79							.1	.2	.7	.4	.1							13	13																
7 / 77						.5	.2	.5	.5	.4	.1							17	19																
6 / 75					.4	.6	.8	1.0	1.7	.1	.2							56	56																
4 / 73				.2	1.0	2.2	2.5	1.7	.7		.1							72	72																
/ 71			.1	1.0	2.5	1.9	2.1	1.7	.1	.1	.1							51	51																
7 / 69			.5	.9	2.7	3.7	1.2	.6	.2									96	96																
6 / 67			.5	.9	2.7	3.7	1.2	.6	.2									74	74	13															
6 / 65		.1	.7	1.0	4.0	4.1	1.7	.6										113	113	44	1														
4 / 63		.2	1.1	3.1	3.2	1.7	1.	.1										85	85	32	9														
4 / 61		.6	1.4	3.1	3.1	2.1	.5											90	90	38	36														
/ 59	.4	.2	.5	.6	4.7	.7	.1											53	53	141	47														
7 / 57		1.1	.2	2.6	2.	.4												51	51	175	74														
6 / 55		.2	.4	1.4	.2													18	18	100	111														
4 / 53				.6														5	5	72	96														
6 / 51																				86	111														
6 / 49																				31	79														
6 / 47																				8	91														
4 / 45																					68														
4 / 43																					56														
4 / 41																					23														
4 / 39																					19														
7 / 37																					5														
TOTAL	.4	2.6	4.9	16.7	25.6	19.9	15.6	7.2	4.7	1.6	1.1	.4				.1				810	810	810													

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	246.20	479.7	59.11	2.518	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	357544	55854	68.9	6.179	810			58.3	25.0	3.6		93
Wet Bulb	2924317	48535	59.9	4.463	810			6.5				93
Dew Point	2339629	43295	53.5	5.610	810			.1				93

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

PSYCHROMETRIC SUMMARY

73-61

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

370-5500

HOURS (L, S, T)

[illegible]

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

PSYCHROMETRIC SUMMARY

JUL
MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
76																		1	1																
77																		2	2																
78																		3	3																
79																		4	4																
80																		5	5																
81																		6	6																
82																		7	7																
83																		8	8																
84																		9	9																
85																		10	10																
86																		11	11																
87																		12	12																
88																		13	13																
89																		14	14																
90																		15	15																
91																		16	16																
92																		17	17																
93																		18	18																
94																		19	19																
95																		20	20																
96																		21	21																
97																		22	22																
98																		23	23																
99																		24	24																
100																		25	25																
TOTAL																		816	816																

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	362355	5585	67.51	0.139	816	$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	3392593	52481	64.3	4.625	816			28.7	4.1			93
Wet Bulb	2751481	47263	57.9	4.143	816			2.1				93
Dew Point	2321515	43315	53.1	5.227	816			.2				93

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

PSYCHROMETRIC SUMMARY

72-51

429

STATION

STATION NAME

YEARS

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7-2-11

NOV 5 11 51 AM

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

PSYCHROMETRIC SUMMARY

JUL
MONTH

HOURS (L. S. T.)

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

PSYCHROMETRIC SUMMARY

YEARS

MONTH

5435 1

1570-1700

HOURS : S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
71																	.1	1	1																
70																	.2	7	7																
69														.4	1.1	1.7	.5	25	25																
68												.2	.5	.2	1.3	1.2	.4	33	33																
67											.4	1.6	2.5	2.2	.6			59	59																
66										.1	.4	1.6	2.1	.5	.1			79	39																
65									.1	.2	1.2	2.5	1.1	.7			.1	49	49																
64									.1	1.3	2.5	2.1	1.2	.2				67	57																
63								.2	1.0	1.8	2.8	1.1	.9	.2	.1			67	57																
62								.5	2.2	3.1	2.6	.5	.2	.2				77	77																
61							.2	1.0	2.9	2.2	.9	.4						62	62																
60						.2	.7	1.5	3.7	2.1	1.1	.6						67	67																
59					.1	.2		.2	1.2	2.2	1.6	.4						49	49																
7 / 77							1.2	1.5	2.6	2.7	.5	.1						71	71																
6 / 75						.2	.7	1.0	1.6	1.1								38	33	5															
64 / 73					.4	.2	.2	1.2	2.1	.1								37	37	14															
6 / 71					.2	.1	.6	.7	1.7									25	25	47															
6 / 69				.4	.2	.2	.2	.2										16	16	173															
6 / 67					.1		.5											5	5	167	1														
66 / 65			.1		.4													4	4	128	3														
64 / 63			.2	.1														3	3	124	23														
6 / 61			.1															1	1	89	37														
6 / 59		.1																1	1	54	59														
6 / 57																				54	57														
5 / 55																				5	56														
4 / 53																					84														
6 / 51																					116														
6 / 49																					92														
60 / 47																					69														
6 / 45																					55														
4 / 43																					47														
62 / 41																					27														
6 / 39																					2														
7 / 37																					4														
Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

JUL
MONTH

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

USAFETAC

PSYCHROMETRIC SUMMARY

73-91

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE : 1872-20.7
HOURS 11.5. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
71																		.2	2	3															
70																																			
69																.1	.1		2	2															
68														.5	.1	.7	.7	.9	24	24															
67														.7	.2	.6	.9	.7	26	26															
66												.2	.5	2.3	1.8	.5	.1		45	45															
65											.1	1.7	2.0	2.3	.5				49	49															
64											.7	.2	2.6	1.7	.5				46	46															
63										.2	.6	2.3	2.2	.7	.4				53	53															
62							.1	.1	1.7	1.1	3.2	1.3	.5	.1	.2				64	64															
61								.5	1.0	2.1	2.6	.7	1.0						64	64															
60								.2	.6	2.1	1.5	1.0	.5	.1					49	49															
59							.9	.4	1.2	2.8	1.1	1.0	.2						67	67															
58						.2	.1	.6	1.2	1.5	1.3	.4							44	44															
57					.1	.6	1.0	2.1	2.0	1.6	.4								62	62															
56					1.7	.4	1.1	1.5	1.7	.5									51	51	4														
55			.1	.2	.5	.1	1.3	.6	1.7	.4									35	35	14														
54				.5	.5	.6	1.0	2.0	.4										40	40	78														
53				.5	.5	.4	1.1	2.2											41	41	65														
52			.4		.4	.5	1.1	.1											20	20	163														
51				.5	.1	.2	1.5												17	17	102														
50		.2	.2	.4	.1	.5													12	12	121														
49	.4	.1																	4	4	166														
48																					34														
47																					68														
46																					85														
45																					85														
44																					92														
43																					97														
42																					75														
41																					76														
40																					112														
39																					24														
38																					26														
37																					6														
Element (X)	$\Sigma X'$																																		
Rel. Hum.														≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONT

PAGE 2 1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
7 / 37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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

PSYCHROMETRIC SUMMARY

291

MONTH

HOURS 14.5.2.1

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1

ALL

ALL
HOURS (L. S. T.)

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION PARAGOZA AB SP

73-81

YEARS

JUL
MONTH

PAGE 1

ALL

HOURS 1.5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 37																																			
8 / 35																																			
9 / 33																																			
10 / 31																																			
TOTAL	.2	1.5	5.1	11.7	15.5	12.5	7.6	9.7	8.9	6.9	5.1	4.5	3.4	2.4	1.5	.7	.6	55.7	5.4	4.5	4.5	4.5													

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	14883147	333163	51.3	16.673	6500							
Dry Bulb	3617463	480633	73.9	10.045	6500			538.2	373.5	207.0	39.8	744
Wet Bulb	24786719	400157	61.5	5.028	6500			133.9	6.1			744
Dew Point	14533783	345167	53.1	5.600	6500			.5	1.5			744

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 2070-2200
HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

A113

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7375-2500

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
4 / 53							.1											1	1													
7 / 71							.1	.1										2	2													
7 / 75							.1			.1								2	2													
7 / 77							.1	.4	.4									7	7													
7 / 75				.5	.2	.5	.7	.7										32	22													
7 / 72			.5	.7	1.1	1.5	1.9	.4										51	50													
7 / 71			.5	1.5	1.5	.0	.4	.1										39	30	1												
7 / 69			2.4	3.4	3.5	1.5	.6											94	94	9												
7 / 67		.2	2.8	3.3	5.6	2.2	.5											120	120	25												
7 / 65		1.2	3.7	4.8	3.7	1.7	.1											114	114	47												
4 / 62	.1	2.3	4.4	5.0	3.4	1.2	.1											177	178	131												
7 / 61	.7	1.8	3.7	2.3	.5	.1												70	70	155												
7 / 59	.7	.7	2.1	4.1	2.6	.5												86	87	124												
5 / 57		1.7	.0	.2														17	17	136												
5 / 55		.0	.0	.1														15	15	84												
4 / 53	.1	.5																5	5	56												
5 / 51																				78												
5 / 45																				14												
5 / 47																				1												
5 / 45																																
4 / 43																																
2 / 41																																
4 / 37																																
TOTAL	.4	5.4	19.9	33.7	23.0	17.4	5.7	1.7	.4	.1								821		821												

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 7673-OR-1
HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

AJ3

STATION

STATION NAME

YEARS

MONTH

PAGE ' 793-1113

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5/ 87										.1	.2							3	7		
6/ 85								.1	.1	.6								7	7		
4/ 83									.5									4	4		
1/ 81						.5	.3	1.0	1.1	.1								29	29		
1/ 79					.2	1.3	1.3	.5	1.3	.4	.1	.1						34	34		
7/ 77				.2	1.3	1.3	4.5	1.2	.5	.2								86	86		
10/ 75				.3	1.7	3.7	3.7	1.7										89	89		
4/ 73			.1	2.1	2.7	3.1	1.3	.7	.2									90	90	1	
10/ 71			.6	1.7	3.9	3.6	2.5	.5										106	107	12	
1/ 69		1.1	2.4	4.3	4.5	1.9	.1											119	119	46	1
1/ 67		.7	1.3	3.7	3.7	1.3												94	84	77	5
6/ 65		.1	1.6	2.4	3.1	2.5	.4	.1										95	86	135	31
4/ 63		.4	.7	1.7	3.1	1.3												54	54	153	74
1/ 61			.5	.8	.8	.4												21	21	135	77
1/ 59		.4	.4		.5													17	17	176	135
1/ 57		.1	.2	.1	.1													5	5	88	123
5/ 55			.1															1	1	46	88
4/ 53				.1														1	1	19	74
1/ 51																				6	62
1/ 49																				1	75
4/ 47																				1	37
4/ 45																					27
4/ 43																					5
12/ 41																					1
TOTAL	1.3	6.0	17.8	26.2	25.8	17.0	6.8	2.8	1.2	.4								828		628	828

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	424712	59200	71.3	5.458	830			73.1	38.3	5.9		93
Wet Bulb	3236167	51863	62.4	4.217	828			15.5	.1			93
Dew Point	2664574	46776	56.5	5.166	828			.7				93

14. PARAGUAY AB SD

STATION	STATION NAME
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98	98
99	99
100	100

73-51

YEARS

AUG

MONT H

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

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

PSYCHROMETRIC SUMMARY

AUG

MONTH

1522-1722

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
1 / 59														.5	.5	.7	.4	20	20				
2 / 57													.5	.4	.7	.1	.2	16	16				
3 / 55											.1	.2	1.8	3.2	2.2	.2		54	64				
4 / 53									.1		.7	1.9	1.3	1.5	.5	.1		51	51				
5 / 51									.2	.7	.6	2.3	1.2	1.0	.7			56	56				
6 / 49									.2	1.1	2.5	2.2	.4	.5	.1			58	58				
7 / 47									.1	.7	2.2	1.6	2.9	1.2	.2			74	74				
8 / 45									.1	1.1	2.2	1.8	2.5		.1			65	65				
9 / 43							.4	.6	1.9	3.9	2.8	.7	.2					97	98				
10 / 41						.1	.5	1.3	3.5	4.0	2.8	1.0						109	100				
11 / 39						.4	.2	1.0	2.7	1.7	.5							53	53				
12 / 37						.7	1.7	3.2	1.3	1.8	.5	.1	.2					76	78	1			
13 / 35			.1	.4	.5	1.1	.6	1.1	.4									34	34	4			
14 / 33				.4	.5	.2	1.0	.4	.4									23	23	34			
15 / 31				.4	.4	.2	1.0	.2										18	18	94			
16 / 29						.1	.8	.1										9	9	137	7		
17 / 27				.5		.6												6	6	134	5		
18 / 25					.1													1	1	152	12		
19 / 23			.1															1	1	145	53		
20 / 21																				58	48		
21 / 19	.1	.2																3	3	43	131		
22 / 17																				20	115		
23 / 15																				10	89		
24 / 13																				2	94		
25 / 11																					75		
26 / 9																					76		
27 / 7																					63		
28 / 5																					45		
29 / 3																					10		
30 / 1																					11		
31 / 0																					2		
32 / -1																					1		
33 / -2																					2		

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1500 PARAGUAY AB SP

73-81

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
71.4	0.1	0.2		1.0	1.2	2.2	5.3	9.0	13.6	18.3	14.0	14.0	5.9	7.3	5.1	1.2	0.5		824	927		824		

PSYCHROMETRIC SUMMARY

AUG
MONTH

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 2 1600-2000
HOURS (L. S. T.)

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

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

PSYCHROMETRIC SUMMARY

73-21

413

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7100-2320

HOURS		L. S. T.	
1	2	3	4
5	6	7	8
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13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 61											.1							1	1													
1 / 64											.4	.1						5	5													
2 / 67										.4	.7	.7	.2					17	17													
3 / 68									.4	.7	.5	.7						19	19													
4 / 63						.1	.4	1.4	1.1	1.5	.2							35	35													
1 / 61					.5	1.1	2.2	2.7	1.6	.8	.1							74	74													
1 / 70					1.7	1.1	3.3	1.6	.7	.6								71	71													
7 / 77					1.7	1.6	3.4	2.3	2.7	1.4	.2							99	99													
1 / 75				.4	1.2	2.4	2.7	2.3	.7	.2	.1							57	57													
14 / 77				.7	.5	1.4	2.4	1.4	.4									67	67													
1 / 71			.1	.5	2.2	1.7	3.5	1.7	.2									79	79													
1 / 66			1.7	1.2	1.8	3.5	1.7	.6	.4									61	61	51												
1 / 67		.3	1.7	1.7	2.5	3.8	1.1	.4										60	61	69												
10 / 65		.4	.8	1.1	1.7	1.2	.5	.1										48	49	170	17											
14 / 67		1.7	.6	.6	2.2	1.1	.7	.2										55	57	172	61											
1 / 61			.2	.7	.7	.7												70	27	176	70											
1 / 69		.1	.4	.2	.5	.1												11	11	179	129											
1 / 67																				67	126											
5 / 65		.3																5	5	41	57											
4 / 62																				36	79											
1 / 61																				5	84											
5 / 47																				1	61											
4 / 47																					46											
4 / 45																					43											
4 / 43																					17											
12 / 41																					12											
4 / 38																					2											
3 / 37																					1											
4 / 35																					1											
TOTAL	1.0	4.1	7.0	14.6	18.3	17.5	14.5	6.8	6.1	4.5	1.6	.2						832	832	677	832											

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	25305	44452	53.6	13.302	832	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	455167	61285	73.7	6.713	832			78.6	51.1	19.7		53
Wet Bulb	3257168	51879	62.5	4.339	832			18.6	.7			93
Dew Point	2536199	45639	55.0	5.671	832			.2				93

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

PSYCHROMETRIC SUMMARY

AUG

MONTH

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

SFD

MONTH

PAGE 1

7370-2500

HOURS (L, S, T, A)

[illegible]

PSYCHROMETRIC SUMMARY

73-31

CFD

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7600-2800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
/ 71			.1	.2		.1			.1									5	5							
/ 69			1.1	.9	.2	.7	.5	.1										25	25							
/ 67		.4	1.5	.6	.2	.7												29	29	7						
/ 65		2.2	2.6	1.6	.4	.2												57	57	28	5					
/ 63	.5	5.4	5.7	7.1	1.9	.5	.1											156	166	51	52					
/ 61	.7	2.4	5.1	3.5	.7	.2												102	102	92	43					
/ 59	.5	3.2	4.9	6.4	3.	.2												146	146	76	84					
/ 57	.1	1.6	2.9	3.2	1.5	.1												76	77	117	57					
/ 55		1.1	2.1	1.4	1.1													46	46	172	79					
/ 53	.2	2.1	1.9	2.2	.4													55	55	98	66					
/ 51		.5	2.	.7	.4													29	37	75	83					
/ 49		.6	1.5	.9	.6													29	29	51	76					
/ 47		.9	1.4															18	18	47	56					
/ 45	.1	.7	.7															13	17	36	69					
/ 43		.1																1	1	16	43					
/ 41		.5																4	4	8	52					
/ 39																				3	17					
/ 37																					2					
/ 35																					3					
/ 33																					1					
/ 31																					1					
TOTAL	7.221	9.33	2.29	8.17	.5	2.5	.6	.1	.1									801	801	501	801					
			</																							

PSYCHROMETRIC SUMMARY

73-81

SFP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 7970-11.0

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

11.5	JAPAGOZA AB SP
STATION	STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

553

MONTH

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

Element (X)	Z_{X1}	Z_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	155.371	33895	42.3	12.042	801	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	4654447	62745	78.2	7.541	801			82.8	71.6	45.2	.2	93
Wet Bulb	3274393	50473	63.7	5.473	801			26.1	.8			93
Dew Point	2260005	42119	52.6	7.522	801		.7	.8				93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 18505 LARAGOZA AB SP
STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1

1870-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
94												.1	.1									2	2			
93										.5	.4	.6	.1									13	13			
92										.1	.8	.9	.4	.1	.1							20	20			
91										.7	.9	1.3	1.0	.9	.3		.1					37	37			
90										.0	1.6	2.4	1.3	.4								52	52			
89							2.1	2.2		5.0	2.4	1.3	.4	.1								112	112			
88						.9	.0	1.5	1.0	1.8	.8	.1										62	62			
87					.5	2.3	2.3	1.0	1.6	3.3	.6	.5	.1									174	174			
86				.1	.5	1.1	1.9	3.5	.4	.4	.1											64	64			
85		.1		.6	.8	1.7	1.4	1.0	.9	.3	.1											56	56			
84			.1	.3	1.0	1.7	1.1	.8	.9	.4												45	45	16		
83		.1	.6	.1	.5	1.8	1.4	1.1	.5	.3												51	51	51	1	
82		.3	.8	.1	.8	1.3	.8	.9	.4	.1												42	42	159	1	
81		.3	.6	.3	.4	.9	.4	1.7	.4	.1												35	36	118	13	
80		.5	.7	.4	.5	1.7	.6	.4	.1													20	30	176	75	
79		.3		.5	.6	.6	.6															21	21	178	58	
78		.4	.4	.4	.5	1.1	.6															27	27	72	85	
77				.1	.3	.5																7	7	58	87	
76					.4	.1																4	4	41	56	
75				.1	.1																	2	2	78	61	
74		.6	.7	.2	.1																	10	10	26	73	
73				.1																		1	1	21	61	
72																								15	62	
71																								5	53	
70																								1	22	
69																									48	
68																									2	
67																									13	
66																									11	
65																									4	
64																									3	
63																									1	
TOTAL	2.5	3.1	3.4	6.9	13.2	14.0	16.8	14.7	13.8	6.4	3.4	.9	.1	.1	.1	.1						758	799		798	
Element (X)	Σ x ²		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	1593999		38267		48.9		14.122		798		798		798		798		798		798		798		798		798	
Dry Bulb	453879		59835		74.8		8.263		798		798		798		798		798		798		798		798		798	
Wet Bulb	379645		49355		61.8		5.833		798		798		798		798		798		798		798		798		798	
Dew Point	2268356		42158		52.8		7.634		798		798		798		798		798		798		798		798		798	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 2PAGOZA AB SP

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
61							.4	.1	.2		.1							7	7						
62						1.0	.1	.4	.5									16	16						
63					.5	1.0	.1	.4	.2	.2	.2							46	46						
64				.1	1.0	2.2	.7	1.6	.2	.2								58	58						
65					1.5	.9	2.7	2.2	1.7	.6	.1							79	79						
66			.5	1.5	2.2	1.2	2.9	1.9	.2									84	84						
67			1.0	1.5	2.7	3.7	1.6	.5	.4	.1								93	93	15					
68	.2		1.6	1.4	3.7	2.6	1.0	1.1										94	94	56	2				
69		.6	.9	.0	2.1	3.0	.5	.7										79	79	76	10				
70		1.0	.6	1.0	2.7	1.6	.7	.1										70	70	96	74				
71		.5		1.0	1.7	1.0	.6		.1	.1								41	43	102	43				
72		.5	.6	1.6	2.2	1.5	.2	.1										56	56	113	91				
73		.5		.5	2.2	.2	.2											30	30	03	62				
74		.1		1.1	.2	.4												15	15	59	55				
75				.6	.4	.1												9	9	59	77				
76		.5	.1	1.1	.1													15	15	32	84				
77		.2	.2	.4														7	7	51	52				
78			.1	.1														2	2	8	65				
79																				26	57				
80																				2	31				
81																					67				
82																					17				
83																					6				
84																					6				
85																					1				
86																					2				
87																					2				
88																					1				
TOTAL	.2	4.0	5.7	15.2	25.0	23.5	13.7	8.7	2.6	.9	.4							801	801	801	801				
																						801		801	801
Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	303476	47938	59.8	12.966	801	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	374717	54277	67.6	6.698	801			53.5	23.1	1.0		90													
Wet Bulb	2816957	47273	59.0	5.812	801			8.3				90													
Dew Point	2259396	42122	52.6	7.444	801		.6	.2				90													

USAFETAC FORM 0-26-5 (OL A) 1-73 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-91

CFD

STATION

STATION NAME

YEARS

MONTH

PAGE 1

All

ALL
HOURS 14, 15, 16

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE -

ALL
HOURS 11-5 T-1

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 OCT 1950-7300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
47 / 77																		1	1																	
47 / 71																		2	2																	
47 / 69				.1	.1	.4	.7	.2	.1									17	17																	
47 / 67				.2	.6	1.	.6	.1	.1									22	22																	
47 / 65			.4	.5	.7	.6	.1	.1										20	20	1																
47 / 63			.6	2.1	2.2	1.6	.6	.1										67	67	10	2															
47 / 61	.1	1.3	1.8	1.8	.8	.2	.1											52	52	25	6															
47 / 59	.5	1.3	1.7	3.4	1.5	1.7	.1	.1										76	79	57	23															
47 / 57	.4	1.6	1.1	2.3	2.2	.2												64	64	70	31															
47 / 55	.1	1.5	3.6	2.4	1.9	.4												62	62	57	48															
47 / 53	.1	2.8	3.6	5.8	1.1													112	113	75	43															
47 / 51	.1	1.6	4.7	3.7	1.7	.1												96	96	83	66															
47 / 49	.2	1.	5.3	3.	1.6													91	91	124	79															
47 / 47		.8	3.6	1.8	1.7													63	67	172	55															
47 / 45	.1	1.6	1.3	1.3	.1													34	34	63	133															
47 / 43		.6	.5	.5														13	13	59	74															
47 / 41		.5	1.3															18	18	49	116															
47 / 39																				19	57															
47 / 37																					36															
47 / 35																					27															
47 / 33																					19															
47 / 31																					9															
47 / 29																					2															
TOTAL	1.2	15.6	31.8	33.2	115.7	3.5	1.1	.4	.1									927	927		927															
																		927	927																	

Element (X)	Σ x'	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4438884	59778	72.3	11.95	827	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2531555	45451	55.	6.284	827			3.9	.1			57
Wet Bulb	121236	41598	55.3	5.911	827							33
Dew Point	1782521	37943	45.9	7.124	827			2.4				97

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2370-2500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-91

SECRET

STATION

STATION NAME

YEARS

MONTH:

PAGE 1

7672-2855

HOURS 1 L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
57 / 65			.2	.5														6	6														
47 / 62		1.5	1.1	1.9	.4	.2												41	41	1													
37 / 51		2.1	1.7	.7	.4	.1												41	41	2	5												
27 / 59	.2	1.9	2.5	1.6	.7	.1												61	51	74	37												
17 / 67	.8	1.5	1.0	1.6	.4													61	51	48	23												
5 / 75	.2	2.5	4.6	1.9	.5													81	61	45	32												
47 / 83	.7	3.6	2.2	2.5														71	71	64	31												
37 / 81	.5	2.8	3.3	2.2	.1													76	75	173	58												
27 / 84	.5	3.6	2.7	1.9	.1													118	118	56	85												
17 / 47	.1	2.4	4.	2.7	.6													81	81	110	63												
4 / 45		4.2	3.5	1.8	.8													85	85	172	84												
47 / 63		2.9	1.6	1.7	.1													46	46	82	78												
27 / 41	.1	2.5	3.6															52	52	57	117												
17 / 35		1.2	.2															12	12	51	63												
7 / 77	.1	.2																3	3	79	57												
7 / 35																				4	41												
3 / 33																					29												
27 / 31																					14												
17 / 27																					12												
7 / 27																					1												
TOTAL	7.433	134.82	2.2	4.1	.5														826	826	926												

Element (X)	Σ x'	Σ x	$\bar{x}$	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2222.67	65.63	74.91	1.951	826	≥ 0 F	≥ 22 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	
Dry Bulb	2236.77	42674	51.7	6.238	826							93
Wet Bulb	168118	29994	48.4	6.194	826							93
Dew Point	1723742	37254	45.1	7.263	826		3.0					93

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
67 / 85																		1	1													
70 / 81									.4	.1	.1	.1	.1					7	7													
73 / 79								.4	.7	.1	.1							11	11													
77 / 77					.1	.1	.7	.7	.4	.1	.2							20	20													
80 / 75					.5	.6	1.8	1.1		.1								34	34													
84 / 73				.2		.9	1.7	.5	.2	.4								32	32													
87 / 71				.5	1.1	1.1	1.5	.4	.4									40	40													
91 / 69				.2	.7	2.4	.6	1.9	.1	.1								51	51	1												
95 / 67			.2	.2	2.1	1.9	1.9	1.7	.1									67	67	6												
100 / 65		.2	.7	2.1	1.8	2.1	2.3	1.1	.2									57	58	23												
104 / 63		1.1	.7	2.7	2.2	3.8	2.4	1.3	.2									119	119	60												
107 / 61		.4	.8	.6	1.9	1.9	2.7	.6	.1									77	77	81												
111 / 59	.1	.5	1.1	1.9	2.8	6.8	2.2	.9										135	135	74												
115 / 57		.5	.5	1.7	2.4	1.7	.6	.1										59	59	80												
119 / 55	.1	.7	.8	.5	1.3	1.7	.2											40	40	110												
124 / 53		.4	.1	.4	.7	.2	.4											18	18	85												
127 / 51	.1	.2	.5	.6	.2	.1												16	16	97												
131 / 49			.6	.2	.2													9	9	103												
135 / 47				.1														1	1	53												
140 / 45																				53												
147 / 43																				11												
152 / 41																				5												
157 / 39																																
161 / 37																																
165 / 35																																
170 / 33																																
175 / 31																																
180 / 29																																
185 / 27																																
190 / 25																																
TOTAL	.4	4.1	6.3	11.8	14.2	24.5	19.1	10.9	2.9	1.0	.5	.2	.1					824	825	824												

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	2729074	45956	55.4	14.203	824	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	342991	52907	64.1	6.700	825			29.6	11.8	1.7		93
Wet Bulb	252295	45356	55.4	5.662	824			1.7				93
Dew Point	18877	18924	47.2	7.717	824		2.5					93

PSYCHROMETRIC SUMMARY

73-81

STATION

STATION NAME

YEARS

201
MONTH

PAGE 1 1500-1700
NOV 19 1964

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14615 LARAGOZA AB SP STATION NAME 73-81 YEARS OCT MONTH
PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
6 / 85													.1					1														1	1		
7 / 81									.4	.5		.1						8														8	8		
7 / 79								.2	.8	.1		.1						11														11	11		
7 / 77							.5	.2	.5	.1	.2							14														14	14		
6 / 75						.4	1.0	1.3			.2							24														24	24		
6 / 73				.1	.1	.9	1.8	.1	.4									28														28	28		
7 / 71				.1	.7	.5	1.3	.5	.4	.1								30														30	30		
7 / 69				.4	.5	2.8	1.7	1.7	.4	.1								50														50	50		
6 / 67			.1	.4	1.7	2.5	1.2	.9	.1									57														57	57	2	
6 / 65			.6	.8	1.3	1.6	1.6	1.3										64														64	64	19	
4 / 63	.1	1.2	.5	2.2	2.6	3.1	1.2	1.1										100														100	100	46	4
4 / 61	.2	1.2	.6	1.1	1.9	1.3	1.9	.2										69														69	69	68	21
4 / 59		1.2	.6	1.7	3.7	4.0	1.4	.7										105														105	105	78	28
4 / 57		.4	1.7	1.9	2.6	1.9	1.7	.2										78														78	78	77	32
5 / 55		.4	.6	1.8	2.5	1.3	.1											56														56	56	43	53
4 / 53		.2	.4	3.1	2.3	1.1	.1											60														60	60	93	54
2 / 51			1.3	.5	1.4	.4												21														21	31	74	73
2 / 49			1.7	.5	.4	.1												22														22	22	91	64
4 / 47		.2	1.1		.2													13														13	13	88	46
4 / 45	.2	.1	.2	.1	.1													7														7	7	68	102
4 / 43		.1	.1	.1														3														3	3	31	64
2 / 41			.1															1														1	1	8	122
4 / 39																																		5	57
2 / 37																																		1	32
2 / 35																																			27
3 / 33																																			19
2 / 31																																			19
2 / 29																																			8
2 / 27																																			5
2 / 25																																			2
TOTAL	.5	5.0	9.3	14.9	21.9	21.8	14.1	7.8	2.9	1.0	.5	.2	.1					832														832	832		832
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total																			
Rel. Hum.	2967669		48235		58.0		4.356		832		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb	3253413		51535		62.1		7.669		832				24.9	9.6	1.1		93																		
Wet Bulb	2428237		44661		53.7		6.095		832				.2				93																		
Dew Point	1832486		38526		46.3		7.642		832		3.8						93																		

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

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

OCT
MONTH

211

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
89																		3	3																
87																		2	2																
85																		6	6																
83																		55	55																
81																		47	47																
79																		87	97																
77																		93	93																
75																		118	118																
73																		131	131																
71																		245	245																
69																		286	286																
67																		346	347																
65																		645	645																
63																		466	466																
61																		743	743																
59																		536	536																
57																		513	513																
55																		492	492																
53																		510	511																
51																		491	491																
49																		313	313																
47																		251	253																
45																		104	174																
43																		125	125																
41																		17	17																
39																		5	5																
37																																			
35																																			
33																																			
31																																			
29																																			
27																																			
25																																			
TOTAL	1.4	13.5	22.0	20.9	14.6	10.9	7.6	5.1	2.4	.9	.3	.1	.1	.1				6623	6627		6623														
Element (X)	Σx'				Σx				Σ				No. Obs.				Mean No. of Hours with Temperature					Total													
Rel. Hum.	30522431				436659				65.916.209				6623				= 0 F = 32 F = 67 F = 73 F = 80 F = 93 F					Total													
Dry Bulb	23022323				386521				58.38.497				6627				119.745.47.4					744													
Wet Bulb	18121873				343767				51.96.487				6623				2.6					744													
Dew Point	14446141				305367				46.17.460				6623				23.3					744													

PSYCHROMETRIC SUMMARY

7000-2200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

91605	PARAGOZA AB SP
STATION	STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1

7300-7500
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 1 0625-2800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
1 / 57			.3	.4	.7	.7												9	9													
5 / 55			.5		.4	.4												17	10	2	1											
4 / 53			2.5	.8	1.7	.5				.4								41	41	23	2											
2 / 51		.4	2.1	2.3	.8	.5												43	48	11	26											
5 / 47			1.5	4.7	1.4													55	55	71	17											
1 / 47		.4	5.7	2.7	1.7													72	72	72	17											
4 / 45		.7	7.3	1.9	1.7	.6												94	94	99	27											
4 / 43		.5	4.1	2.6	2.4	.1												79	79	83	56											
2 / 41		1.5	5.2	5.4	2.3	.5												118	120	66	106											
4 / 39		1.7	5.5	2.4	.9	.5												82	82	74	65											
7 / 37		2.4	3.4	1.6	.9	.1												67	67	116	74											
1 / 35		.1	2.4	1.0														28	28	65	57											
3 / 33		1.7	2.1	1.1	.3													35	36	54	66											
7 / 31		.5	1.4	1.3	.3													27	27	43	49											
1 / 29		1.1	.4	.4														15	15	31	50											
7 / 27		1.4	.4	.1														15	15	22	63											
1 / 25																				3	17											
7 / 23																					30											
2 / 21																					12											
1 / 19																					2											
10 / 17																					3											
1 / 15																					3											
TOTAL		11.4	44.7	27.3	12.7	3.5		.4											798		796											
																		756		796												

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 7900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 1270-14.2
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
1 / 69							.1	.1	.1									3	3																	
2 / 67							.4	.5	.1									9	5																	
3 / 65							.6	.7										17	17																	
4 / 63				.3	1.5	2.0	1.7	.1	.1	.7								56	56																	
5 / 61			.6	1.7	2.1	2.3	4.7	.8	.8									49	49																	
6 / 59		.6	1.1	2.1	2.3	4.7	.8	.8										98	98																	
7 / 57		.3	.5	2.4	2.6	2.1	.9	.3	.1									81	81	78																
8 / 55		.1	.9	1.2	2.3	1.8	.4	.1										59	59	47	7															
9 / 53		.1	2.5	2.4	2.7	1.7	.5	.7										72	72	69	12															
10 / 51		1.5	2.6	.6	2.1	1.4	.5											79	79	74	27															
11 / 49		.9	2.1	1.3	2.8	1.7	.5											69	69	116	25															
12 / 47		1.3	1.8	1.6	.2	.6	.7											51	51	91	64															
13 / 45	.1	1.7	2.3	2.6	1.1	.6	.1											63	63	97	115															
14 / 43	.3	.9	.3	1.7	1.7		.1											28	28	72	64															
15 / 41	.1	1.5	.5	.1		.3												33	27	71	117															
16 / 39	.4	1.3		.7														15	15	51	74															
17 / 37	.9	.5	.7															17	13	72	52															
18 / 35	.3		.3															4	4	19	43															
19 / 33	.4	.3																5	5	11	57															
20 / 31	.6																	6	6	9	49															
21 / 29	.1																	1	1	1	25															
22 / 27																					26															
23 / 25																					11															
24 / 23																					14															
25 / 21																					13															
26 / 19																					3															
27 / 17																					2															
28 / 15																					2															
29 / 13																																				
30 / 11																					1															
TOTAL	1.3	17.3	15.8	19.2	24.0	18.3	7.7	2.1	.6	.3								796	796	796																
																				</																

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

PSYCHROMETRIC SUMMARY

73-81

424

STATION

STATION NAME

YEARS

MONTH

DA-5 1

157-2-17-0

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

[illegible]

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ZARAGOZA AIR BASE SPAIN REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 DEC 83
USAFETAC/DS-83/051 SBI-AD-E850 504

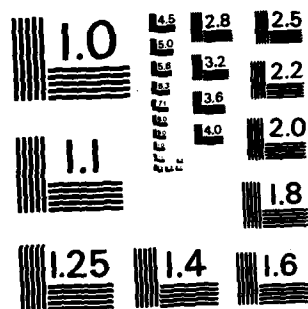
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

181605 PARAGOZA AB SP
STATION STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 1810-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
69						.1	.1											2	2						
67						.2	.2											4	4						
65						.2												2	2						
63				.1	1.0	1.0	.2	.1		.2								22	22						
61			.1	.4	.7	.4	.4	.1										17	17						
59		.7	1.4	2.7	1.7	1.7	.5	.5										69	69	3					
57		.1	1.1	3.7	2.7	1.5	.2											64	64	17	2				
55		.5	2.7	2.7	1.7	1.1												65	65	21	5				
53		.9	1.7	4.7	3.2	.4	.2											76	76	46	3				
51	.1	1.6	3.5	3.4	1.5	.2	.1	.1										85	85	72	24				
49	.1	1.2	3.6	2.4	2.5	1.1	.2	.1										91	91	89	33				
47		1.7	2.5	2.1	2.7	.9	.1											69	70	112	56				
45		1.5	1.9	2.9	1.6	.4	.1											67	67	170	88				
43		1.6	1.7	2.1	1.1	.4												56	56	73	74				
41		1.4	1.5	1.1	1.7	.1												41	41	70	92				
39	.7	2.2	.1	.9	.4													35	35	62	89				
37	.7	.2	.1	.6	.2													16	16	70	66				
35	.4	.6																8	8	27	56				
33	.1	.2																11	11	29	52				
31	.1																	1	1	7	40				
29																				5	33				
27																					28				
25																					15				
23																					25				
21																					1				
19																					2				
17																					5				
15																					2				
13																					1				
11																					2				
9																					1				
7																					1				
5																					1				
TOTAL	7.4	14.0	21.3	27.7	19.5	10.2	2.6	1.0		.2								801	802	801	801				
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.	3757800		53404		66.7		15.703		801		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total		
Dry Bulb	2382370		40484		50.5		6.959		802				.1		.7								90		
Wet Bulb	1659768		36136		45.1		6.077		801				1.3										90		
Dew Point	1272394		31290		39.1		7.909		801				17.5										90		

PSYCHROMETRIC SUMMARY

NOV

YEARS

217C-2300

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

NCV

MONTH

ALL

ALL
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

ALL

HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 7050-2220
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1505
STATION

ZARAGOZA AB SP

STATION NAME

73-81

YEARS

DEC

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL D.B./W.B.	TOTAL															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																				
57/65							.4	.2										5	5																					
47/63						.1	.4											7	7																					
57/61				.4	.7	.1												10	10																					
57/59			.1	.1	1.1													10	10																					
57/57				.2		.5												6	6																					
57/55				.7	.2	.4	.5											15	15	7																				
47/53			.1	1.1	.6		.1											19	19	13																				
57/51		.4	.9	.5	.6													19	19	23	3																			
57/49		.7	2.2	2.6	.7													51	51	14	4																			
47/47	.4	3.2	2.2	1.5	.4													62	62	38	19																			
47/45	1.8	4.1	3.9	1.6	1.2													104	104	170	59																			
47/43	1.1	3.2	2.7	1.7														71	71	74	56																			
42/41	1.1	6.9	4.1	1.5	.4													115	117	92	82																			
47/39	.9	4.5	2.2	.1														63	63	81	78																			
37/37	1.5	1.1	1.5	1.2														43	43	94	81																			
77/35	.1	4.6	2.1	.5	.2													62	62	46	86																			
37/33	1.6	3.2	2.6	.1														61	61	76	63																			
77/31	1.1	2.6	1.7	.4														41	41	74	61																			
77/29	.9	2.2	.2															27	27	42	65																			
27/27	.1	2.3		.4														23	23	27	61																			
26/25	.1	.4																4	4	14	41																			
24/23	.1	.1																2	2	2	35																			
27/21		.2																2	2	3	14																			
77/19																				2	1																			
17/17																					6																			
17/15																					2																			
14/13																					2																			
17/9																					1																			
57/5																					2																			
TOTAL	17.7	39.7	26.8	14.0	6.2	1.6	.0	.2										822	924	872	822																			
Element (X)	ΣX'				ΣX		X		X ²		No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.	5164624				54798		78.0		14.236		822		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb	1573171				34579		42.0		7.954		824			11.2						93																				
Wet Bulb	1289553				32775		39.0		6.800		822				18.6					93																				
Dew Point	1058340				28888		35.1		7.247		822				32.9					93																				

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1

2600-2800
HOURS (L.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

041505 CAPAGOZA AB SP

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
47 / 62				.1	.2	.6	.1		.1									10	17					
47 / 51				.2	.6													7	7					
47 / 59			.2	.4	.6	.6	.1											16	16					
47 / 57			.1	.4	.2	.4	.4											12	12	1				
51 / 56			.4	.7	.8	.4												19	19	6				
47 / 53		.2	.1	1.1	1.1	.1												22	22	16				
47 / 51	.1		1.4	1.2	1.7													34	34	14	6			
47 / 46		1.2	2.4	1.2	1.8													55	55	20	8			
47 / 47	.2	2.9	1.8	2.3	1.1													69	69	58	7			
47 / 45	.7	4.5	3.3	1.8	.6	.1												91	91	86	64			
47 / 43	1.3	3.1	3.1	.8	.4													73	73	93	50			
42 / 41	2.1	6.2	4.7	2.1														118	118	97	99			
40 / 35	.7	3.9	2.2	.8	.1													64	64	83	62			
47 / 37	1.3	3.3	1.6	1.2														53	53	85	87			
47 / 35	.4	1.3	.7	.4														23	23	58	73			
37 / 33	1.8	3.7	1.6															59	59	49	63			
47 / 31	1.2	2.3	.8		.1													37	37	74	58			
47 / 27	1.7	2.2	.4															35	35	40	69			
47 / 27	1.3	.8	.1		.1													20	20	31	58			
47 / 25	.4			.1														4	4	7	38			
47 / 23	.5	.2																6	6	5	30			
42 / 21		.1																1	1	3	10			
47 / 13																				2	6			
47 / 17																					3			
47 / 13																					1			
47 / 1																					2			
47 / 1																					1			
TOTAL	17.6	35.0	24.3	14.9	9.2	2.2	.6		.1									828	828	828				
																		828		828				

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

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1270-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

191605 CARAGOZA AB SP 73-81 DEC
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
74/ 77							.1											1													1	1			
73/ 71							.1											1													1	1			
71/ 69						.2	.1											3													3	3			
69/ 67						.1	.1											2													2	2			
67/ 65						.1	.2											3													3	3			
64/ 63				.4	.4	1.2	1.1	.5	.1									30													30	30			
62/ 61				.2	.8	1.5	1.2											31													31	31	2		
59/ 59				.6	1.5	1.6	.7											36													36	36	3		
57/ 57		.2	.5	.7	1.5	1.6	.2	.4										42													42	42	6		
55/ 55		.5	.8	1.7	1.9	3.4	.1	.1										71													71	71	10		
54/ 53		.1	1.2	1.7	3.9	1.7	.5											69													69	69	37	8	
52/ 51		1.2	3.7	2.2	6.7	.1	.5											108													108	108	45	11	
50/ 49		1.0	2.7	2.2	2.8	1.5	.2											85													85	86	79	17	
47/ 47	.4	1.7	2.2	1.6	1.3	.6	.2											66													66	66	96	28	
46/ 45	.2	3.1	2.7	3.6	7.3	.8												106													106	106	145	88	
44/ 43	.1	1.1	.8	1.3	.8	.2												37													37	37	102	52	
42/ 41	.6	2.2	1.5	1.0	1.0	.1	.1											53													53	53	86	101	
40/ 39	.4	.6	1.0	.1	.1	.1	.2											21													21	21	66	80	
37/ 37	.5	1.0	.6	.1			.1											19													19	19	46	89	
35/ 35	.6	.8																12													12	12	46	77	
34/ 33	2.2	.5																22													22	22	40	88	
32/ 31		.4																3													3	3	7	61	
30/ 29		.1																1													1	1	3	33	
28/ 27	.2	.2																4													4	4	6	23	
26/ 25	.1																	1													1	1	2	34	
24/ 23																																			17
22/ 21																																			7
20/ 19																																			5
17/ 17																																			2
15/ 11																																			1
13/ 7																																			2
11/ -1																																			1
9/ -2																																			2
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature										Total									
Rel. Hum.																≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

052

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1673-2023

HOURS (L. S. Y.)

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION NAME: LARAGOZA AB SP.

73-81

YEARS

DEC
MONTH

PAGE 1 2100-2700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
67/55							.2	.5										7															7			
47/53							.8	.6										12															12			
37/51				.4			.2											5															5			
27/49				.2	.2													6															6			
17/47		.1	.4	.1	.1	.8	.5											17															17			
8/45			.2	.4	1.1	.7												20															20		6	
4/43		.1	.7	1.8	.6													27															27		70	
7/41		.4	2.3	1.2	1.2													40															40		12	
5/40		.1	3.6	1.8	1.7	.1												71															71		76	
1/47	.9	2.8	2.5	1.8	.7													72															72		91	
4/45	1.2	4.0	4.5	3.1	1.7													123															123		96	
4/43	.6	3.0	3.1	1.8	.4													74															74		89	
17/41	1.1	5.5	5.9	1.9	.4													123															124		93	
5/39	.5	3.6	1.7	.5														52															52		88	
2/37	.1	2.1	3.8	.8														48															48		89	
7/35	1.1	2.1	1.0	.2														44															44		59	
3/33	1.9	1.4	.5	.6	.2	.1												40															40		70	
17/31	.8	1.7	.5	.6	.1													29															29		47	
10/29	.1	.4	.5															8															8		13	
7/27	.4	.2	.1															6															6		15	
17/25	.4																	3															3		1	
7/23	.2																	2															2		3	
27/21																																				11
7/19																																				1
1/17																																				7
17/15																																				1
1/13																																				1
1/11																																				1
17/9																																				1
1/7																																				2
17/5																																				1
TOTAL	17.0	29.4	31.4	17.4	6.8	3.4	1.7											829															829		829	
Element (X)	Σx	Σx²	Σx³	Σx⁴	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	4910827	62569	75.5	15.085	829	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	1562635	36647	44.1	7.485	831		5.4					93																								
Wet Bulb	1433198	33700	40.7	6.337	829		9.9					93																								
Dew Point	1135602	70098	36.3	7.194	829	.1	25.6					93																								

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 73-81

STATION NAME

STATION NAME

73-81

YEARS

DEC

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 73																		1	1														
4 / 71																		3	3														
4 / 69																		3	3														
4 / 67																		10	10														
4 / 65																		26	26														
4 / 63					.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	112	112														
4 / 61				.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	102	102	3													
4 / 59			.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	118	118	7													
4 / 57		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	166	166	14													
4 / 55		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	231	231	62													
4 / 53	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	288	288	167	18												
4 / 51	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	383	383	177	47												
4 / 49	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	537	538	281	79												
4 / 47	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	576	576	594	172												
4 / 45	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	827	827	810	546												
4 / 43	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	533	536	761	476												
4 / 41	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	919	926	729	732												
4 / 39	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	395	396	643	677												
4 / 37	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	312	312	607	607												
4 / 35	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	311	311	440	707												
4 / 33	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	354	354	461	608												
4 / 31	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	215	215	407	482												
4 / 29	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	132	132	196	422												
4 / 27	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	108	108	133	375												
4 / 25	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	25	25	79	280												
4 / 23	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	15	15	19	190												
4 / 21	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	7	7	11	83												
4 / 19	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7			8	29												
4 / 17	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				31												
4 / 15	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				5												
4 / 13	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				7												
4 / 11	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				7												
4 / 9	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				5												
4 / 7	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				3												
Element (X)	Σ g			Σ g			Σ g			Σ g			Σ g			Σ g			Σ g			Σ g			Σ g			Σ g			Σ g		
Rel. Hum.																																	
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

PSYCHROMETRIC SUMMARY

24105	ZARAGOZA AB SP
STATION	STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 5																					5			
/ 7																					3			
/ 1																					3			
/ -1																					7			
- / -3																					3			
TOTAL	0.9	22	24	5	16	7	11	.7	5.4	2.7	.2	.7								5521	66.9			
																		5609		66.9				

PSYCHROMETRIC SUMMARY

MONTH

All

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

01525 PARAGOZA AB SP

73-81

STATION	STATION NAME	YEARS												
HRS 1ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2-32	MEAN	41.3	44.0	46.8	49.5	56.3	63.7	68.9	69.1	64.1	55.0	45.5	43.3	54.7
	S.D.	6.435	6.161	6.551	5.534	5.706	6.020	6.179	5.438	5.738	6.284	6.223	7.796	11.681
	TOTAL OBS	812	739	809	766	814	772	810	830	798	827	801	830	9628
3-35	MEAN	39.8	42.1	44.6	46.9	53.3	60.2	65.0	65.8	61.0	52.8	43.9	42.0	51.5
	S.D.	6.558	6.387	6.484	5.327	4.959	5.454	5.255	4.826	5.543	6.152	6.350	7.954	10.944
	TOTAL OBS	519	743	803	777	904	770	795	823	801	824	797	824	9580
6-10	MEAN	38.6	41.0	43.1	46.3	53.5	60.5	64.3	64.6	59.6	51.7	42.9	41.0	50.6
	S.D.	6.740	6.439	6.775	5.359	5.218	5.396	4.605	4.578	5.625	6.236	6.635	8.756	11.067
	TOTAL OBS	824	750	827	797	819	789	816	829	603	826	798	826	9774
-11	MEAN	40.6	44.0	48.2	52.4	60.4	67.5	71.3	71.3	65.6	56.6	46.1	42.6	55.6
	S.D.	7.282	6.257	6.607	5.673	5.953	6.355	5.443	5.454	5.844	6.588	7.772	8.113	12.731
	TOTAL OBS	833	755	818	800	825	792	815	830	799	832	800	828	9727
17-14	MEAN	46.6	51.9	55.5	58.9	66.8	74.7	79.4	79.6	73.8	64.1	53.2	47.8	62.6
	S.D.	7.549	5.545	6.826	6.440	6.964	7.569	6.729	6.367	6.411	6.700	7.378	7.994	13.558
	TOTAL OBS	834	756	827	801	820	791	815	823	801	825	796	828	9717
15-17	MEAN	49.2	53.9	58.9	61.8	70.1	78.9	84.8	84.8	78.2	67.1	56.0	49.8	66.7
	S.D.	7.072	5.782	7.503	7.222	8.265	8.598	8.155	7.370	7.541	7.572	7.647	7.550	14.698
	TOTAL OBS	527	751	829	795	823	796	816	827	802	828	800	828	9722
-2	MEAN	45.2	49.8	55.3	58.5	67.3	76.3	82.9	82.0	74.8	62.1	50.5	46.0	62.6
	S.D.	6.471	6.056	7.657	7.321	8.763	9.046	9.314	8.572	8.263	7.669	6.959	7.185	15.479
	TOTAL OBS	627	754	824	801	818	793	818	831	799	832	802	826	9725
1-23	MEAN	42.6	45.6	49.4	52.2	61.3	68.4	74.2	73.7	67.6	57.3	46.9	44.1	56.9
	S.D.	6.189	5.874	6.640	5.822	6.879	7.346	7.789	6.713	6.698	6.542	6.282	7.485	13.096
	TOTAL OBS	673	753	823	803	816	784	819	832	803	833	807	831	9732
ALL HOURS	MEAN	43.0	46.4	50.2	53.3	61.0	68.8	73.9	73.9	68.1	58.3	48.1	44.6	57.5
	S.D.	7.638	7.432	8.726	8.185	9.253	9.783	10.045	9.459	9.129	8.497	8.090	8.277	14.041
	TOTAL OBS	6624	6001	6560	6360	6539	6287	6504	6625	6406	6627	6401	6621	77535

USAF ETAC FORM 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1635 LARAGOZA AB SP

73-81

STATION	STATION NAME	YEARS												
HRS. LST.		JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV	DEC	ANNUAL
0-12	MEAN	38.6	47.5	42.5	44.8	50.7	56.5	59.9	61.2	57.8	50.3	42.2	40.2	48.8
	S D	5.636	5.772	5.658	5.324	4.824	4.468	4.463	4.347	5.725	5.911	5.974	6.628	9.698
	TOTAL OBS	803	739	808	785	805	770	810	828	796	827	799	826	9596
1-25	MEAN	37.3	39.1	41.0	43.1	48.8	54.6	58.2	59.6	56.1	49.0	41.0	39.0	47.3
	S D	5.756	5.922	5.934	5.259	4.640	4.386	4.353	4.219	5.789	6.049	6.106	6.800	9.584
	TOTAL OBS	812	743	803	776	796	767	795	821	799	821	794	822	9549
6-28	MEAN	36.5	38.2	39.9	42.8	49.0	55.0	57.9	59.1	55.4	48.4	40.3	38.4	46.8
	S D	5.930	5.932	6.167	5.331	4.747	4.390	4.143	4.215	5.736	6.194	6.321	6.961	9.808
	TOTAL OBS	816	750	827	797	810	787	816	826	801	826	796	824	9676
9-11	MEAN	37.7	40.3	43.3	46.5	52.7	58.3	61.2	62.4	58.8	51.5	42.6	39.4	49.6
	S D	6.032	5.568	5.793	5.161	4.551	4.331	4.236	4.210	5.573	6.246	6.261	6.742	10.243
	TOTAL OBS	824	755	818	800	818	790	814	828	797	832	798	828	9702
12-14	MEAN	41.7	44.5	47.1	49.5	55.2	60.9	63.9	65.2	62.1	55.0	46.8	42.9	52.9
	S D	5.670	4.946	5.511	5.225	4.623	4.385	4.217	4.016	5.404	5.662	5.985	6.231	9.731
	TOTAL OBS	823	755	824	800	810	790	814	821	800	824	796	827	9684
16-17	MEAN	43.3	45.9	48.4	50.4	56.3	61.9	65.0	66.2	63.0	55.8	48.1	44.0	54.1
	S D	5.281	5.555	5.684	5.226	4.729	4.311	4.170	4.000	5.473	5.825	6.244	5.950	9.608
	TOTAL OBS	824	749	828	794	812	795	816	824	801	828	798	827	9696
2	MEAN	41.0	43.8	46.8	48.9	55.1	61.0	64.4	65.2	61.8	53.7	45.1	41.9	52.4
	S D	5.377	5.438	6.234	5.376	5.036	4.392	4.433	4.284	5.833	6.095	6.277	6.241	10.182
	TOTAL OBS	823	754	822	800	807	791	816	829	798	832	801	826	9699
1-23	MEAN	39.5	41.5	43.9	46.1	52.6	58.5	61.7	62.5	59.0	51.4	43.0	40.7	50.1
	S D	5.369	5.676	5.834	5.281	4.836	4.549	4.541	4.339	5.812	5.965	5.840	6.337	9.917
	TOTAL OBS	818	753	821	802	803	784	819	830	801	833	804	829	9697
ALL HOURS	MEAN	39.5	41.7	44.1	46.5	52.5	58.4	61.5	62.7	59.3	51.9	43.6	40.8	50.2
	S D	5.060	6.109	6.512	5.913	5.449	5.132	5.028	4.893	6.240	6.487	6.595	6.725	10.163
	TOTAL OBS	6543	5998	6551	6354	6461	6274	6500	6677	6393	6523	6386	6679	77299

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

121505 ZAPADOZA AB SP

73-81

STATION	STATION NAME	YEARS												
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN 35.0	36.0	37.4	39.4	45.5	50.7	53.5	55.7	52.8	45.9	38.3	36.2	43.9	
	S.D. 6.178	6.785	6.927	6.936	6.056	5.599	5.610	5.531	7.466	7.104	7.313	7.224	9.920	
	TOTAL OBS 800	739	808	785	805	770	810	828	796	827	799	826	9596	
3-05	MEAN 34.0	35.1	36.5	38.6	44.5	49.8	52.9	55.0	52.1	45.2	37.4	35.1	43.1	
	S.D. 6.242	6.696	6.851	6.689	5.962	5.287	5.354	5.312	7.272	7.214	7.372	7.247	9.956	
	TOTAL OBS 812	743	803	776	796	767	795	821	799	821	794	822	9549	
6-08	MEAN 33.0	34.5	35.9	38.7	44.6	50.5	53.1	55.1	52.0	45.1	37.0	34.8	42.9	
	S.D. 6.297	6.635	7.001	6.637	5.875	5.087	5.227	5.148	6.955	7.263	7.520	7.314	10.142	
	TOTAL OBS 816	750	827	797	810	787	816	826	801	826	796	824	9676	
9-11	MEAN 33.9	35.7	37.5	40.0	45.7	51.3	54.2	56.5	53.7	46.8	38.4	35.4	44.1	
	S.D. 6.162	6.469	7.105	6.881	5.913	5.376	5.322	5.166	6.938	7.358	7.359	7.125	10.235	
	TOTAL OBS 824	755	818	800	818	790	814	828	797	832	798	828	9702	
12-14	MEAN 35.0	37.1	37.9	39.7	45.2	50.9	53.7	56.1	53.9	47.2	39.8	37.0	44.6	
	S.D. 6.071	7.209	7.507	7.657	6.186	5.919	5.553	5.483	7.337	7.717	7.751	7.174	9.970	
	TOTAL OBS 823	755	824	800	810	790	814	821	800	824	796	827	9684	
15-17	MEAN 36.4	36.7	37.1	38.7	44.6	49.8	52.2	54.7	52.6	46.3	39.7	37.3	43.9	
	S.D. 6.258	7.939	7.992	8.088	6.397	6.210	5.631	5.648	7.522	7.813	8.147	7.540	9.829	
	TOTAL OBS 824	749	828	794	812	795	816	824	801	828	798	827	9696	
18-20	MEAN 35.0	36.7	37.4	38.9	44.7	50.0	52.3	54.5	52.8	46.3	39.1	36.8	43.8	
	S.D. 6.322	7.583	8.034	7.913	6.670	6.104	5.985	5.964	7.634	7.642	7.909	7.279	9.881	
	TOTAL OBS 823	754	822	800	807	791	816	829	798	832	801	826	9699	
1-23	MEAN 35.4	36.2	37.5	39.3	45.6	51.0	53.0	55.0	52.6	46.1	38.3	35.3	43.9	
	S.D. 6.013	7.167	7.265	7.221	6.189	5.820	5.803	5.671	7.444	7.317	7.327	7.194	9.850	
	TOTAL OBS 818	753	821	802	803	784	819	830	801	833	804	829	9697	
ALL HOURS	MEAN 35.0	36.0	37.2	39.2	45.1	50.5	53.1	55.3	52.8	46.1	38.5	36.1	43.8	
	S.D. 6.280	7.121	7.374	7.287	6.177	5.713	5.600	5.533	7.347	7.460	7.645	7.339	9.986	
	TOTAL OBS 6543	5998	6551	6354	6461	6274	6500	6607	6393	6623	6386	6609	77299	

RELATIVE HUMIDITY

72-01

JAF.

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-24	100.0	100.0	100.0	100.0	98.3	91.0	71.7	45.4	27.5	70.0	103
	07-25	100.0	100.0	100.0	99.9	98.6	92.9	75.6	54.1	27.0	67.8	517
	14-26	100.0	100.0	100.0	99.8	98.0	94.6	77.2	57.6	30.1	41.0	114
	21-11	100.0	100.0	99.9	99.6	97.3	88.1	67.5	48.9	27.2	79.5	474
	28-14	100.0	100.0	99.5	97.4	86.1	62.2	45.1	27.0	15.2	68.6	525
	15-17	100.0	100.0	98.7	94.4	77.8	49.8	30.8	16.7	9.5	60.4	374
	18-22	100.0	100.0	99.5	98.5	90.8	75.3	48.5	29.3	13.5	71.3	523
	21-23	100.0	100.0	100.0	99.8	98.0	89.9	61.0	41.7	19.2	76.8	218
TOTALS		100.0	100.0	99.7	98.7	93.6	80.2	59.8	40.5	20.7	75.0	5547

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
1. WEATHER SE-VICL/MAC

RELATIVE HUMIDITY

1405

LAPALOGA AB SP

77-21

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01-01	0-23	100.0	100.0	100.0	100.0	98.0	88.2	59.7	31.3	5.9	74.1	770
	0-15	100.0	100.0	100.0	99.9	98.7	92.5	68.4	40.7	8.9	76.0	740
	16-23	100.0	100.0	100.0	100.0	98.9	90.2	73.5	43.7	17.7	78.1	750
	0-11	100.0	100.0	100.0	99.6	96.6	82.1	56.4	31.8	10.1	73.4	799
	12-14	100.0	100.0	99.9	92.6	72.2	44.4	25.4	11.3	2.9	61.6	750
	15-17	100.0	100.0	95.9	61.4	52.1	27.4	15.0	9.7	2.3	54.1	740
	18-20	100.0	100.0	99.1	93.2	77.1	51.6	28.9	12.9	3.3	60.1	750
	21-23	100.0	100.0	100.0	99.6	95.2	79.2	47.4	22.4	4.8	70.5	750
TOTALS		100.0	100.0	99.4	91.8	86.1	69.8	46.9	25.2	6.6	68.7	5998

USAFETAC

FORM
JUL 64

D-87-5 (DL A)

RELATIVE HUMIDITY



MONTH

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	00-73	100.0	100.0	99.6	99.4	94.7	80.8	51.0	22.4	5.0	77.5	623
	7-25	100.0	100.0	100.0	99.8	97.0	87.8	62.0	39.7	5.6	77.6	627
	26-28	100.0	100.0	100.0	99.6	97.9	89.7	77.5	59.0	11.5	76.4	627
	29-11	100.0	100.0	100.0	98.5	89.9	69.7	41.6	17.6	4.4	67.7	613
	12-14	100.0	100.0	98.1	82.0	54.4	27.9	12.6	3.8	.7	57.3	624
	15-17	100.0	99.8	88.6	67.3	30.6	13.8	5.7	2.9	.4	46.7	623
	18-20	100.0	99.9	95.4	76.3	53.2	26.4	13.5	4.6	.5	52.9	620
	21-23	100.0	100.0	99.6	97.8	84.7	62.9	33.5	11.7	2.3	64.0	620
TOTALS		100.0	99.9	97.7	89.5	75.5	57.3	36.4	16.4	4.0	63.2	4051

0-87-5 (OL A)

RELATIVE HUMIDITY

77-81

252

STATION

STATION NAME

PERIOD

MONTH

[illegible]**USAFETAC**

FORM
4-64

0-87-5 (OL A)

RELATIVE HUMIDITY

77-61

STATION

STATION NAME

PERIOD

MONTH

[illegible]FORM
FD-45

0-87-5 (OL A)

RELATIVE HUMIDITY

77-41

434

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	1-07	100.0	100.0	99.7	96.9	84.9	54.9	31.4	13.0	4.8	54.1	77
	08-09	100.0	100.0	100.0	93.7	95.0	75.4	44.2	16.9	7.6	69.0	757
	10-09	100.0	100.0	100.0	99.7	97.3	79.3	47.1	18.3	6.6	71.4	787
	11-11	100.0	100.0	99.7	93.3	69.0	33.9	15.0	6.6	2.4	57.6	797
	12-14	100.0	99.6	89.1	56.7	26.2	12.5	6.6	3.7	1.7	47.2	701
	15-17	100.0	94.3	69.8	32.3	15.2	9.1	4.3	3.1	.8	36.5	765
	18-20	100.0	96.6	76.5	44.1	22.4	13.7	10.0	5.6	1.5	42.7	701
	21-23	100.0	99.9	97.7	84.7	59.7	30.6	18.1	9.1	4.2	55.6	784
TOTALS		100.0	98.9	91.6	76.1	58.5	38.7	22.2	9.8	1.6	55.5	5274

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

44

STATION

STATION NAME

PERIOD

MONTH

[illegible]

USAFETAC FORM 0-87-5 (OL A)

FORM
11-1-10

JOINT CLIMATE BRANCH
USAFETAC
AIR FATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION NAME ZARAGOZA AB SP

PERIOD 77-81

MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-2	1-2	100.0	100.0	99.6	97.5	85.0	58.7	25.9	6.7	1.0	63.3	100
3-5	3-5	100.0	100.0	100.0	99.4	95.4	76.7	46.9	15.0	0.2	69.9	100
6-8	6-8	100.0	100.0	100.0	100.0	98.4	86.7	56.7	19.1	0.3	71.0	100
9-11	9-11	100.0	100.0	100.0	97.9	82.9	45.6	16.9	4.0	.0	60.2	100
12-14	12-14	100.0	99.6	93.6	66.6	26.6	7.7	2.4	1.2		45.7	100
15-17	15-17	100.0	97.1	72.6	30.2	5.1	3.2	1.2	.4	.1	37.0	100
18-20	18-20	100.0	97.0	76.2	43.7	19.1	9.3	4.7	1.1	.4	30.0	100
21-23	21-23	100.0	100.0	97.7	83.1	56.5	27.0	11.3	3.0	.5	52.6	100
TOTALS		100.0	99.2	97.6	77.3	59.1	39.5	20.3	6.7	.9	57.0	1000

ALBANY CLIMATOLOGY BRANCH
 100 TAC
 100 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION PARACOLA AB SP

77-01

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%		
1-1	1-0-0	100.0	100.0	99.6	98.5	92.8	70.0	42.2	15.7	2.2	57.5	77
1-2	1-0-0	100.0	100.0	100.0	99.6	97.5	82.0	61.0	28.0	6.5	70.0	78
1-3	1-0-0	100.0	100.0	100.0	99.6	99.3	90.0	75.7	37.3	11.0	70.7	87
1-4	1-0-0	100.0	100.0	100.0	99.2	91.0	69.7	37.6	10.0	4.0	66.7	99
1-5	1-0-0	100.0	99.9	98.3	84.0	44.0	17.6	5.3	2.3	1.0	40.0	60
1-6	1-0-0	100.0	98.3	88.0	46.3	16.0	7.6	4.0	2.0	.5	40.0	70
1-7	1-0-0	100.0	99.6	97.0	65.9	35.9	15.7	7.4	4.5	.9	40.0	70
1-8	1-0-0	100.0	100.0	98.0	84.5	77.7	45.4	19.0	5.7	0.2	50.0	80
1-9	1-0-0											
1-10	1-0-0											
1-11	1-0-0											
1-12	1-0-0											
TOTALS		100.0	99.6	97.5	86.2	69.4	49.7	31.0	13.7	3.9	57.5	1000

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

77-22

STATION

STATION NAME

PERIOD

MONTH

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%		
01	01-31	100.0	100.0	100.0	99.5	97.5	92.2	84.4	73.3	7.3	70.5	107
	02-28	100.0	100.0	100.0	99.8	98.9	89.9	71.7	33.7	11.1	70.5	101
	3-31	100.0	100.0	100.0	100.0	99.9	94.2	79.5	44.4	15.9	74.5	121
	4-30	100.0	100.0	100.0	99.3	93.9	75.2	53.2	24.4	9.3	71.1	117
	5-31	100.0	100.0	98.7	95.9	81.7	71.4	45.3	8.5	2.1	55.5	104
	6-17	100.0	99.9	96.5	71.1	35.2	16.2	9.7	3.3	.3	40.3	7
	7-20	100.0	100.0	99.2	89.5	68.9	37.6	21.7	8.9	2.9	55.	33
	8-23	100.0	100.0	99.2	98.7	95.7	69.6	39.5	13.7	3.8	67.	57
TOTALS		100.0	100.0	99.2	93.7	81.1	62.2	43.7	19.5	6.7	65.7	607

FORM 215-64

0-87-5 (OL A)

RELATIVE HUMIDITY

79-91

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STATION

STATION NAME

PERIOD

MONTH

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	5-20	100.0	100.0	99.9	99.2	97.4	87.5	72.7	41.6	15.1	76.5	722
	1-25	100.0	100.0	100.0	99.2	97.9	91.9	73.6	49.3	27.7	76.9	724
	6-28	100.0	100.0	99.6	99.4	93.1	81.0	76.5	55.0	28.5	80.1	766
	9-11	100.0	100.0	99.5	98.7	94.9	82.6	65.0	42.1	20.9	75.0	720
	10-14	100.0	99.9	99.0	92.1	74.0	49.5	32.7	14.6	7.2	62.4	720
	15-17	100.0	99.7	95.5	85.0	61.3	34.5	20.4	10.0	5.1	50.7	763
	18-20	100.0	100.0	99.0	95.1	85.5	63.9	41.4	19.2	5.1	66.7	820
	1-20	100.0	100.0	99.6	93.8	95.8	81.3	67.4	30.7	11.7	72.1	104
TOTALS		100.0	100.0	98.9	95.9	88.2	72.7	55.0	32.6	14.7	71.4	4386

USAFETACFORM
PLS 6-4

0-87-5 (OL A)

232

RELATIVE HUMIDITY

77-54

DEC

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-24	100.0	100.0	100.0	99.5	96.7	83.3	67.0	45.2	27.0	77.0	100
	3-5	100.0	100.0	100.0	99.6	95.9	85.1	69.7	46.6	27.9	76.7	100
	6-8	100.0	100.0	100.0	99.6	97.6	89.2	73.7	52.5	35.6	79.5	100
	9-11	100.0	100.0	99.8	99.4	94.9	83.3	66.4	46.7	24.5	77.3	100
	12-14	100.0	99.9	99.5	96.5	87.5	61.2	43.7	29.7	15.0	61.4	100
	15-17	100.0	99.6	98.7	93.5	75.6	51.4	37.3	21.6	17.4	64.5	100
	18-20	100.0	99.9	99.6	98.2	90.6	74.0	52.3	32.7	15.6	70.7	100
	21-23	100.0	100.0	99.6	99.3	94.3	82.4	62.7	39.3	20.1	75.1	100
TOTALS		100.0	99.9	99.7	98.2	91.1	76.7	59.7	39.1	19.7	70.1	1000

FORM
JUL 64

0-87-5 (OL A)

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

RELATIVE HUMIDITY

1955 CARACAZA AB SP

77-81

JUL

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%		
JAN	ALL	100.0	100.0	99.7	98.7	93.6	80.2	59.8	40.5	20.7	75.0	6547
FEB		100.0	100.0	99.4	95.8	85.1	69.8	45.9	25.7	6.6	64.7	5000
MAR		100.0	99.9	97.7	89.5	75.5	57.3	36.4	16.4	4.7	63.2	4551
APR		100.0	99.7	96.2	86.9	70.2	52.3	33.0	14.6	3.4	61.3	6354
MAY		100.0	99.5	94.5	82.2	66.1	46.4	30.3	12.9	3.5	59.0	5461
JUN		100.0	98.9	91.6	76.1	59.5	39.7	22.2	9.6	2.6	55.5	5174
JUL		100.0	98.3	87.0	70.3	51.7	31.5	13.8	3.6	.8	51.7	5277
AUG		100.0	99.2	92.5	77.3	59.1	39.5	20.5	6.7	.8	55.0	5137
SEP		100.0	99.8	97.5	86.2	69.4	49.7	31.8	13.7	3.9	60.5	5393
OCT		100.0	100.0	99.2	93.1	81.1	62.2	43.7	19.5	6.7	66.0	5127
NOV		100.0	100.0	98.9	95.9	88.2	72.7	55.2	32.6	14.7	71.4	5126
DEC		100.0	99.9	99.7	98.2	91.1	75.7	59.0	39.1	19.7	74.1	6609
TOTALS		100.0	99.6	96.2	87.5	74.4	56.4	37.7	19.0	7.4	57.4	77793

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

0-87-5 (OL A)

FORM
JUL 64

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

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

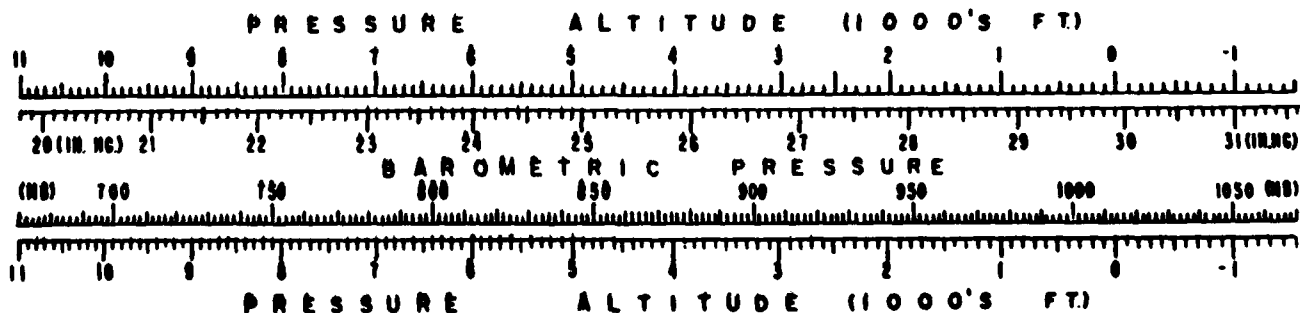
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

DATE 05 PARACUZA AB SP

73-81

STATION	STATION NAME	YEARS											
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	29.201	29.111	29.084	29.073	29.070	29.129	29.138	29.131	29.162	29.129	29.253	29.168	29.139
S D	.247	.256	.220	.161	.137	.114	.112	.089	.127	.202	.202	.282	.195
TOTAL OBS	249	225	244	236	243	261	270	278	267	277	268	275	3093
MEAN	29.193	29.104	29.073	29.058	29.062	29.124	29.135	29.127	29.157	29.118	29.241	29.156	29.131
S D	.247	.255	.221	.165	.139	.116	.111	.090	.179	.204	.203	.286	.197
TOTAL OBS	254	223	245	235	246	257	263	274	268	274	267	276	3082
MEAN	29.183	29.103	29.073	29.060	29.071	29.138	29.146	29.139	29.166	29.117	29.241	29.147	29.134
S D	.250	.255	.222	.163	.140	.115	.115	.092	.131	.204	.203	.290	.197
TOTAL OBS	250	224	248	240	244	269	275	278	269	276	266	276	3115
MEAN	29.202	29.125	29.099	29.075	29.080	29.146	29.159	29.154	29.189	29.147	29.266	29.168	29.153
S D	.254	.259	.219	.164	.142	.115	.114	.091	.132	.208	.205	.294	.199
TOTAL OBS	253	223	243	236	245	268	269	277	265	277	266	277	3099
MEAN	29.196	29.115	29.084	29.053	29.055	29.118	29.128	29.123	29.166	29.124	29.246	29.157	29.132
S D	.252	.257	.218	.161	.137	.111	.111	.090	.128	.206	.207	.292	.198
TOTAL OBS	25	227	246	235	236	264	267	272	268	278	267	277	3087
MEAN	29.160	29.168	29.035	29.014	29.018	29.078	29.079	29.074	29.114	29.082	29.208	29.124	29.091
S D	.245	.254	.209	.158	.132	.111	.114	.092	.127	.198	.199	.286	.194
TOTAL OBS	251	224	245	232	241	266	272	275	269	273	267	277	3092
MEAN	29.172	29.081	29.037	29.012	29.011	29.066	29.059	29.059	29.107	29.095	29.223	29.139	29.090
S D	.243	.253	.212	.159	.127	.113	.113	.093	.127	.194	.201	.284	.195
TOTAL OBS	250	222	245	234	240	269	269	276	269	278	269	276	3097
MEAN	29.194	29.109	29.078	29.060	29.058	29.109	29.107	29.111	29.150	29.126	29.244	29.168	29.128
S D	.244	.250	.212	.160	.130	.110	.114	.090	.125	.197	.201	.292	.194
TOTAL OBS	252	226	247	237	242	263	271	277	269	278	268	275	3105
MEAN	29.188	29.102	29.070	29.051	29.053	29.113	29.119	29.115	29.151	29.117	29.240	29.153	29.124
S D	.243	.255	.217	.153	.137	.116	.117	.096	.131	.202	.203	.298	.197
TOTAL OBS	2009	1794	1963	1885	1937	2117	2156	2227	2144	2211	2138	2279	24773
ALL HOURS													

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