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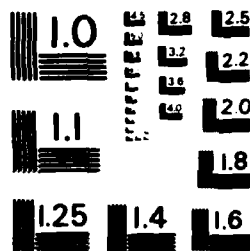
BAUMHULDER GERMANY (WEST) LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (. . .) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 09 JAN 84
USAFETAC/DS-84/001 SBI-AD-E850 506 F/G 4/2

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UNCLASSIFIED

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The table area is a large grid of approximately 10 columns and 15 rows. All cells within this grid are completely blacked out, obscuring any data that might have been present. The grid is centered on the page and occupies most of the lower two-thirds of the document.



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

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DL 106190

USAFETAC/PS-84/001

ADE 750 008

ADA I 37582

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

BAUMHOLDER BL
N 49 39 E 007 18 ALBY 1396 FT ELEV #106190
PARTS A-F HOURS SUMMARIZED: 0600Z - 1600Z SSK

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JUN 73 - MAY 83
SUMMARY OF DAY DATA: NONE

TIME CONVERSION: GMT TO LST: +1

AWS 1...
FL 4-14
SCOTT ALBY

11 JAN 1984

9 JAN 1984

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

**FEDERAL BUILDING
ASHEVILLE, N. C.**

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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-84/001	2. GOVT ACCESSION NO. AD A87582	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - Baumholder, Germany (West)		5. TYPE OF REPORT & PERIOD COVERED Final Rept	
		6. PERFORMING ORG. REPORT NUMBER	
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)	
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/TS Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE Jan 84	
		13. NUMBER OF PAGES 150	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED	
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)			
*LISOCs	Climatology	Weather conditions	
*RUSSWO	Surface winds	Relative humidity	
*Climatological data	Sea-level pressure	Station pressure	
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility	
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for Baumholder, Germany (West)			

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

*Germany (West)
*Baumholder
DL106190

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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



Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/ _____	
Availability Codes	
Dist	Avail and/or Special
A-1	

USAFETAC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES (LISOCs)
HOURLY OBSERVATIONS

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

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS	PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES DATA NOT AVAILABLE MAX HIGH AND MIN LOW TEMPERATURES DATA NOT AVAILABLE PSYCHROMETRIC: DRY VS WET BULB
PART B: NO OR INSUFFICIENT DATA AVAILABLE*	MEAN AND STD DEV. (DRY BULB, WET BULB, AND DEW POINT TEMPERATURES)
PART C: SURFACE WINDS	RELATIVE HUMIDITY
PART D: CEILING VERSUS VISIBILITY SKY COVER DATA NOT AVAILABLE	PART F: STATION PRESSURE SEA LEVEL PRESSURE DATA NOT AVAILABLE
*PRECIPITATION, SNOWFALL AND SNOW DEPTH	

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 local standard time (LST).

SHOW NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WIND INSTRUMENT
106190	BAUMHOLDER GERMANY AAF	N 49 39	E 007 18	1398	EDDK	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		WIND INSTRUMENT
			FROM	TO			STATION (FT)	PIPE DIAMETER	
1	Baumholder Germany	AAF	Feb 65	Dec 70	N 49 39	E 007 18	1408	1433	1250 14
2	No Change	AAF	Jan 71	Sep 83	No Chge	No Chge	1398	1430	10

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	Feb 65 to Sep 66	Located on top of tower.	AN/GNQ-11	None	50 ft	
2	Oct 66 to Nov 66	Located 500 ft ENE of tower.	No chge	None	13 ft	
3	Dec 66 to Feb 68	Located 600 ft E of tower.	No chge	None	No chge	
4	Mar 68 to Dec 70	Located 600 ft NE of station	No chge	None	No chge	

NUMBER OF OBSERVATIONS	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Sep 83 Located in the tower	No Cbgle	RO362	13 Ft	

MAC-8 APR 68 1000

D

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F

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

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

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum 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.

GLOBAL CLIMATOLOGY BRANCH
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 AIP WEATHER SERVICE/MAC

USE THIS SECTION
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WEATHER CONDITIONS

106190
 STATION

BAUMHOLDER DL
 STATION NAME

74-83

YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02												
	03-05												
	06-08		19.6	2.2	14.8		33.9	43.1	.8			44.0	357
	09-11		13.9	2.7	11.1		27.3	42.9	3.7			46.6	560
	12-14		17.3	2.2	9.7		28.2	31.5	7.5			39.0	549
	15-17		13.4	1.4	7.4		21.4	29.9	7.2	.2		37.3	501
	18-20												
	21-23												
TOTALS			16.1	2.1	10.8		27.7	36.9	4.8	.1		41.7	1967

GLOBAL CLIMATOLOGY BRANCH
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USE WITH CAUTION
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WEATHER CONDITIONS

106190
 STATION

BAUMHOLDER DL
 STATION NAME

74-83

YEARS

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	00-02												
	03-05												
	06-08		11.6	1.1	12.4		23.8	46.4	5.5			51.9	362
	09-11		12.4	1.1	13.5		25.8	36.4	8.9			45.3	539
	12-14		10.0	.4	13.1		21.6	24.4	17.2			41.7	528
	15-17		8.9	.6	13.2		21.1	16.3	19.4			35.7	484
	18-20												
	21-23												
TOTALS			10.7	.8	13.1		23.1	30.9	12.8			43.7	1913

GLOBAL CLIMATOLOGY BRANCH
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STATION

WEATHER CONDITIONS

106190
 STATION

BAUMHOLDER DL
 STATION NAME

74-83
 YEARS

MA
 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
MAP	00-02												
	03-05												
	06-08		19.0		6.9		24.9	40.6	10.5			51.1	421
	09-11		17.6		7.1		24.2	30.4	15.7			46.1	649
	12-14		15.5		4.5		19.5	14.9	18.0			33.5	645
	15-17	.2	15.1		3.2		17.6	9.4	19.8			29.1	597
	18-20												
	21-23												
TOTALS		.1	16.8		5.4		21.6	23.8	16.2			47.0	2312

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BAUMHOLDER DL
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YEARS

APR
 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
APR	00-02												
	03-05												
	06-08		8.1		6.4		13.6	32.8	10.6			43.5	405
	09-11		8.4		4.6		12.7	15.2	14.7			29.9	606
	12-14	.7	10.4		4.3		14.0	4.8	10.4			15.2	605
	15-17	.8	11.5		3.1		14.4	3.6	9.0			12.6	522
	18-20												
	21-23												
TOTALS		.4	9.6		4.6		13.7	14.1	11.2			25.3	2138

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 STATION NAME

74-83

YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02												
	03-05												
	06-08		14.4		1.5		15.4	23.7	7.1			30.8	396
	09-11		14.2		1.0		14.9	9.0	10.6			19.6	592
	12-14	.7	13.9		.3		13.9	3.5	5.5			9.1	595
	15-17	1.2	12.4		.2		12.4	2.2	4.7			6.9	492
	18-20												
	21-23												
TOTALS		.5	13.7		.8		14.2	9.6	7.0			16.6	2075

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16190
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BAUMHOLDER DL
 STATION NAME

73-82
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02												
	03-05												
	06-08		10.3				10.3	22.4	13.1			35.5	406
	09-11	.7	10.3				10.3	6.1	11.9			18.0	611
	12-14	1.6	6.6				6.6	3.7	5.8			9.6	617
	15-17	2.8	6.9				6.9	1.7	4.3			6.0	534
	18-20												
	21-23												
TOTALS		1.3	8.5				8.5	8.5	8.8			17.3	2168

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WEATHER CONDITIONS

100190
 STATION

BAUMHOLDER DL
 STATION NAME

73-82
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05												
	06-08	.5	12.5				12.5	20.5	13.2			33.7	409
	09-11		10.9				10.9	7.0	13.2			20.2	614
	12-14	.7	7.8				7.8	2.3	6.5			8.8	613
	15-17	1.1	10.5				10.5	.9	3.9			4.9	532
	18-20												
	21-23												
TOTALS		.6	10.4				10.4	7.7	9.2			16.9	2168

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 STATION

BAUMHOLDER DL
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 YEARS

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05												
	06-08		5.4				5.4	40.7	5.6			46.3	408
	09-11	.2	7.4				7.4	13.3	17.2			30.4	610
	12-14	.5	6.4				6.4	2.7	15.9			18.6	620
	15-17	.5	5.9				5.9	1.6	12.6			14.3	547
	18-20												
	21-23												
TOTALS		.3	6.3				6.3	14.6	12.8			27.4	2201

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 YEARS

SEP
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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 PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02												
	03-05												
	06-08		8.8				8.8	54.2	4.5			58.8	308
	09-11	.2	8.6				8.6	31.3	16.1			47.5	453
	12-14		7.4				7.4	9.4	21.7			31.0	448
	15-17	.3	10.4				10.4	4.0	18.7			22.7	375
	18-20												
	21-23												
TOTALS		.1	8.8				8.8	24.7	15.3			40.0	1584

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BAUMHOLDER DL
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YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02												
	03-05												
	06-08		15.8		.8		16.6	58.0	5.7			63.7	386
	09-11	.2	17.0		.7		17.7	45.3	9.0			54.2	581
	12-14		16.6		.3		16.8	20.6	14.2			34.7	579
	15-17		11.7				11.7	15.4	14.2			29.6	521
	18-20												
	21-23												
TOTALS		.1	15.3		.5		15.7	34.8	10.8			45.6	2067

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 STATION

BAUMHOLDER DL
 STATION NAME

73-82
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02												
	03-05												
	06-08		18.1		5.6		22.8	45.1	2.8			47.9	359
	09-11		17.5		6.2		21.6	38.5	3.6			42.2	550
	12-14		15.4		6.4		20.4	27.9	8.4			36.3	545
	15-17	.2	15.3		5.0		19.7	25.5	11.8			37.3	498
	18-20												
	21-23												
TOTALS		.1	16.6		5.8		21.1	34.3	6.7			40.9	1952

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 STATION

BAUMHOLDER DL
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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	00-02												
	03-05												
	06-08		19.3	2.0	9.8		30.2	38.0	2.2			40.2	358
	09-11		19.3	1.2	10.2		29.9	35.8	2.3			37.8	579
	12-14		20.7	.9	11.8		32.4	25.6	5.1			30.7	527
	15-17		21.3	.2	13.7		32.9	24.9	5.9			30.8	422
	18-20												
	21-23												
TOTALS			20.2	1.1	11.4		31.4	31.1	3.8			34.9	1886

U S AIR FORCE
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PART C

SURFACE WINDS

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

DATA NOT AVAILABLE

- *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 VREL.

- 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

SURFACE WINDS

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

STATION: 106190 BAUMHOLDER DL YEAR: 74-83 MONTH: JAN
STATION NAME YEAR MONTH
 ALL WEATHER 0600-0800
CLASS HOURS (L.G.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1											1.1	2.3
NNE	.8	2.4	.8	.3								3.9	5.6
NE	.6	.8	.3									1.7	4.7
ENE	.6	.3	.6									1.4	5.0
E	1.1	.6	1.4									3.1	5.5
ESE													
SE		.6	.6									1.1	3.8
SSE	.3											.3	1.0
S	.8	.6	.6									2.0	5.0
SSW	.6	.6	.8	1.4		.3						3.6	9.2
SW	1.4	4.2	4.5	5.3	.3							15.7	8.4
WSW	2.2	3.9	7.6	5.6	1.1	.6						21.0	9.4
W	.3	.3	2.8	3.4								6.7	10.4
WNW	.6	.6	.6	.3								2.0	5.9
NW	1.1		.3									1.4	3.8
NNW	.6	.6	.8	.3								2.2	6.1
VARBL			2.8	.8	.8							4.5	10.9
CALM												28.3	
	12.0	14.8	24.4	17.4	2.2	.8						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 357

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190
STATION

BAUMHOLDER DL
STATION NAME

74-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.5										1.4	3.5
NNE	1.4	.9	.5	.2								3.1	4.6
NE	.9	.7										1.6	3.3
ENE	.2	1.4	.5									2.2	5.7
E	.5	.7	1.1	.2								2.5	6.5
ESE	1.1	.7	.2									2.0	3.6
SE		.2	.4									.5	7.0
SSE	.4											.4	2.0
S	.5	.7	.5									1.8	5.6
SSW	.4	1.6	.9	1.1	.4							4.3	8.6
SW	1.4	4.7	2.7	4.7	.2							13.6	8.1
WSW	2.0	3.1	7.0	7.4	1.4	.9						21.7	10.5
W	.5	1.6	3.8	3.2	.2							9.3	9.0
WNW	.5	.7	.4									1.6	4.3
NW	.7	.7										1.4	3.5
NNW	.4		.2	.4								.9	6.8
VARBL		.2	3.1	.9	.5							4.7	10.8
CALM												26.9	
	11.8	18.5	21.2	18.0	2.7	.9						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 JAN

STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400

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	1.5	.2										1.5	2.2
NNE	.9	.7	.7									2.4	4.9
NE	.9	1.1										2.0	3.7
ENE	.9	2.7	.5									4.2	5.1
E	.5	.9	1.1	.4								2.9	6.6
ESE	.7	1.5	.5	.2								2.9	5.1
SE	.4	.9										1.3	4.3
SSE		.7	.2	.4								1.3	7.0
S	.4	.4	1.1									1.8	6.6
SSW	.5	1.1	1.1	.9								3.5	7.8
SW	.5	2.2	4.2	5.1	.7							12.8	10.1
WSW	.7	4.4	6.0	7.7	2.2	.4						21.3	10.5
W	1.5	1.8	7.5	4.9	.5	.2						16.4	9.6
WNW	.4	.7	.4									1.5	4.8
NW		.2										.2	5.0
NNW	1.3	.7										2.0	2.9
VARBL			2.6	2.0	.2							4.7	11.3
CALM												17.1	
	11.1	20.2	25.9	21.5	3.6	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 549

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 JAS
STATION STATION NAME YEARS

ALL WEATHER 1500-1700
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.8	.4									2.8	3.7
NNE	1.0	.6	.8	.2								2.6	5.1
NE	.6	1.2										1.4	4.3
ENE	1.6	1.2	.8									3.6	4.7
E	1.4	2.0	1.2	.4								5.0	5.5
ESE	.4	.9	.2	.4								1.9	6.2
SE		.7	.4	.2								.8	8.3
SSE	.6	.2	.4	.2								1.4	6.3
S	.2	.4	1.2	.8								2.6	8.9
SSW	1.2	1.2	1.8	1.6								5.6	7.5
SW	1.4	2.2	3.6	5.8	.6							13.6	9.4
WSW	1.0	3.0	6.0	5.4	.8	.4	.4					17.0	10.6
W	.8	2.6	6.2	6.6	2.2							18.4	10.6
WNW	.4	.4										.8	3.0
NW	.6	.2	.2									1.0	4.2
NNW	1.4	.2										1.6	2.4
VARBL			2.2	1.4	.2							3.8	10.6
CALM												15.0	
	14.2	17.2	25.3	23.0	3.8	.4	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 501

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 79-83 FFB
STATION STATION NAME YEARS MONTHS
ALL WEATHER 0600-0800
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.5										3.3	3.3
NNE	3.3	2.8	.8									6.9	3.7
NE	2.5	2.5	.6	.3								5.8	4.4
ENE	.8	2.8	.8									4.4	5.1
E	2.8	1.7	3.1	.3								7.9	5.7
ESE	.8											.8	2.3
SE	.3	.8										1.1	4.3
SSE		.3	1.4									1.7	8.0
S	.3	.3	.6									1.1	6.5
SSW	.3		.6	.3								1.1	9.0
SW	2.5	2.2	1.7	2.2	.3							8.9	7.2
WSW	1.1	3.6	5.0	1.4	.6	.3	.3					12.2	8.6
W	1.7	1.1	2.2	1.0								6.9	7.8
WNW	.8	.5	.3									1.7	4.2
NW													
NNW													
VARBL			2.5	.8								3.3	11.8
CALM												32.8	
	20.0	19.2	19.4	7.2	.8	.3	.3					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 STATION NAME BAUMHOLDEP DL YEAR 74-83 FEE MONTHS FEB

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.5
NNE	3.0	2.8	.6									6.4	3.9
NE	1.9	3.4										5.3	3.9
ENE	.9	2.3	2.3									5.5	5.7
E	.8	2.6	3.9	.6								7.9	7.0
ESE	.9	.6	.6									2.1	4.2
SE	.9											.9	2.4
SSE	.2	.6	.4	.2								1.3	6.7
S	.4	1.3	.9									2.6	6.1
SSW	.2	.9	1.7									2.8	6.9
SW	1.3	1.7	3.8	1.3	.2							8.3	7.5
WSW	1.3	4.1	4.3	1.9	1.1	.6						13.3	9.0
W	.3	2.3	2.6	2.3	.2							8.6	8.2
WNW	.4	.8	.2									1.3	4.3
NW	.4	.4										.8	4.0
NNW	.4	.4										.8	3.0
VARBL			4.9	.9								5.8	9.1
CALM												23.1	
	16.4	25.2	26.1	7.1	1.5	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 STATION NAME BAUMHOLDER DL YEARS 74-83 MONTHS FEB
 CLASS ALL WEATHER HOUR (L.S.T.) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.6	.2									2.3	3.4
NNE	2.1	4.4	1.3									7.8	4.8
NE	1.3	2.1	.4									3.8	4.4
ENE	1.3	2.5	1.3	.4								5.5	5.4
E	1.7	2.5	3.6	1.1								8.2	7.2
ESE	.6	3.1	1.0	.2								4.8	5.6
SE	1.1	.4	.2									1.7	3.3
SSE	.6	.8	.4									1.7	4.7
S	.4	1.7	.6	.4								3.1	6.0
SSW	.4	.8	1.5		.2							2.9	7.2
SW	1.3	2.3	2.3	1.5	.4							7.8	7.8
WSW	1.5	5.0	6.5	2.5	1.0	.4						16.8	8.7
W	.6	2.9	3.3	2.1	.4							9.2	8.8
WNW	.4	1.3	.6	.2								2.5	6.1
NW	.2	.8										1.0	4.2
NNW	1.1	.4	.2									1.7	3.0
VARBL		.2	7.3	1.1								8.6	8.6
CALM												10.5	
	15.5	31.5	30.6	9.6	1.9	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 523

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 STATION BAUMHOLDER DL STATION NAME 74-83 YEARS FEB MONTH 1500-1700 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	.2									2.3	4.1
NNE	2.7	5.7	1.9									9.6	5.0
NE	2.5	2.3	.2									5.0	3.7
ENE	1.5	3.1	.8									5.4	4.7
E	1.9	3.5	3.1	1.7								10.2	6.8
ESE	.8	1.2	.8	.6								3.5	6.4
SE	1.5	1.7	.2									2.7	4.3
SSE		.8	.4	.2								1.5	6.7
S	1.2	2.7	1.5	.2								5.6	5.3
SSW	.4	1.7	1.7	.2	.2							4.2	7.2
SW	.8	2.1	2.7	.4								6.0	6.6
WSW	1.2	3.5	5.0	3.7	1.2							14.8	9.3
W	.4	3.3	2.5	.6	.6							7.5	7.8
WNW	.6	.8	.6									2.1	5.0
NW	.6	1.5										2.1	3.9
NNW		.2										.2	6.0
VARBL			6.0	1.2								7.3	8.6
CALM												10.2	
	17.5	33.7	27.4	9.1	2.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 481

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 MAP
STATION STATION NAME YEARS MONTHS

ALL WEATHER
CLASS

0600-0800
HOURE (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	.7	1.2	1.0									2.9	5.1
NNE	2.1	1.2	2.1	.7								6.2	5.9
NE	1.0	1.4										2.4	3.5
ENE	1.2	2.6	.5									4.3	4.4
E	1.4	1.0										2.4	3.4
ESE													
SE	.2		.2									.5	4.5
SSE			.5									.5	8.0
S	.2	.2	.7		.2							1.4	8.0
SSW	.7	1.4	1.2	1.2								4.5	7.7
SW	.7	3.6	3.8	2.9	.5	.5						11.9	9.0
WSW	2.4	4.1	8.6	3.1		.2						18.4	7.8
W	1.2	2.1	2.9	4.3	.5							11.0	9.5
WNW	.2	.2										.5	4.5
NW		.5										.5	5.5
NNW													
VARBL			2.6	1.4								4.1	10.2
CALM												28.6	
	12.2	19.6	24.1	13.6	1.2	.7						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 419

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 MAC
STATION STATION NAME YEAR MONTHS
ALL WEATHER 0900-1100
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.1	.5									3.1	3.7
NNE	1.2	3.4	1.9	.3								6.8	5.6
NE	.9	2.6	1.1									4.6	5.3
ENE	.9	1.7	.6									3.2	4.6
E	1.2	1.2	.3	.2								2.9	4.8
ESE	.2	.3	.3									.8	5.6
SE	.5	.2										.6	2.8
SSE	.3	.3										.6	4.5
S	.5	.6	.5									1.5	5.3
SSW	.5	.5	2.0	.9								3.9	8.4
SW	1.2	2.8	5.1	4.5	.8	.2						14.5	9.5
WSW	1.9	3.2	9.9	4.9	.5	.3						20.7	9.1
W	.5	1.5	4.3	3.9	.5							10.6	10.2
WNW	.2	1.1	.6	.2								2.2	6.8
NW	.2	.3										.5	4.7
NNW	.8	.8										1.5	3.8
VARBL		.2	4.5	2.2		.2						6.9	10.1
CALM												15.1	
	12.3	21.8	31.5	17.0	1.7	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 STATION NAME BAUMHOLDER DL YEAR 74-83 MONTH MAR

CLASS ALL WEATHER HOURS 1200-1400

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.2	.2	.2								3.3	5.4
NNE	.8	1.9	1.9	.2								4.7	5.8
NE	.5	2.3	.3	.3								3.4	6.0
ENE	.9	3.4	.6									5.0	4.8
E	1.4	1.9	.8	.5								4.5	5.3
ESE	.3	1.9		.2								2.3	4.7
SE	.3	.9	.2									1.4	4.6
SSE	.2	.3	.2									.6	5.5
S	.2	1.2	.8									2.2	6.0
SSW	.3	1.2	2.8	1.7								6.1	6.4
SW	.6	1.7	3.1	4.4	1.1	.6						11.5	11.2
WSW	.9	3.4	6.9	6.5	1.6	.2						19.5	10.0
W	.5	3.1	4.8	5.3	.8							14.5	9.9
WNW	.2	1.4	.5	.5								2.5	6.8
NW	.5	.8	.2									1.4	4.1
NNW	1.6	.6										2.2	3.1
VARBL		.2	6.9	3.9	.3							11.2	10.3
CALM												3.7	
	9.8	28.5	29.9	23.5	3.7	.8						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 642

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 MAP
STATION STATION NAME YEAR MONTH
ALL WEATHER 1500-1700
CLASS HOUR (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		.3								2.2	4.6
NNE	1.0	2.8	2.0									5.9	5.5
NE	1.0	1.8	.5									3.4	4.9
ENE	.7	2.7	.5	.5								4.4	6.2
E	.5	1.8	2.2	.2								4.7	6.7
ESE	.3	2.7										2.3	4.8
SE	.2	1.0										1.2	4.6
SSE	.2	1.2	.2									1.5	5.2
S	.2	1.0	1.5	.2								2.8	7.4
SSW	.2	2.5	3.4	1.2								7.2	8.2
SW	.5	2.7	4.0	4.4	.3	.3						12.2	9.9
WSW	1.8	2.3	5.7	6.0	1.8	.3						18.1	10.4
W	1.0	3.9	4.2	5.5	.7							15.2	9.3
WNW	.8	1.0	.5	.2								2.5	5.3
NW	1.3	1.7	.2									3.2	3.9
NNW	1.2	1.2										2.3	3.6
VARBL			5.4	1.3								6.7	9.5
CALM												4.2	
	12.1	30.3	30.2	19.8	2.8	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 BAUMHOLDER DL STATION NAME 74-53 YEARS APR MONTH
 CLASS ALL WEATHER G60C-0800 HOUR (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.2										2.7	3.2
NNE	5.2	3.2	3.5									11.9	4.7
NE	1.7	4.5	.5									6.7	4.5
ENE	.7	1.5										2.2	4.1
E		1.0										1.0	4.3
ESE	.2	.5										.7	5.0
SE	.2	.2	.2	.2								1.0	7.8
SSE		.5										.5	4.5
S	.2	.2										.5	3.0
SSW	.2	.2	.7									1.2	6.2
SW	1.0	1.7	1.5	1.5								5.7	7.5
WSW	1.2	2.7	5.4	3.7								13.1	8.3
W	.5	2.2	3.5	2.2								8.4	7.8
WNW		1.5	.5									2.3	5.6
NW	.5	1.0										1.5	4.5
NNW	1.5	.2										1.7	2.4
VARBL			4.0	.2								4.2	8.5
CALM												34.9	
	14.9	22.5	19.8	7.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 404

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 APP
STATION STATION NAME YEARS MONTHS

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	2.7	2.3	.7									5.6	3.9
NNE	2.5	4.3	3.5									10.3	5.3
NE	1.7	3.8	2.7		.2							8.3	5.9
ENE	1.0	4.6	.7									6.3	5.1
E	.5	2.3	1.3									4.1	6.1
ESE	1.3	1.5	.2									2.7	3.9
SE	.7	1.2		.3								2.2	5.3
SSE	.2	1.2	.2	.2								1.7	6.0
S	.3	.7										1.3	4.2
SSW	.3	.7	.2									1.2	4.3
SW	.3	1.7	1.8	1.2								5.0	8.2
WSW	.8	2.2	6.0	4.8	.2							13.9	9.3
W	.8	2.0	3.5	3.2	.2							9.6	9.1
WNW	.3	1.3	.5									2.2	5.6
NW	1.5	.7	.5									2.7	4.1
NNW	1.2	.8	.5									2.5	4.1
VARBL			10.6	1.0	.2							11.8	6.5
CALM												9.1	
	15.8	31.2	32.7	17.6	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 74-83 APR
STATION NAME YEARS MONTHS

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	2.8	3.6	.2									6.6	3.6
NN	2.5	3.5	1.2	.3								7.5	4.9
NE	1.2	2.3	.7	.2								4.3	5.2
ENE	.5	5.0	2.2	.2								7.8	6.2
E	1.5	3.8	1.8	1.2								6.3	6.6
ESE	.5	1.5	1.0									3.0	5.7
SE	.2	.5										.7	4.8
SSE	.5	1.7	.2									2.3	4.6
S	.3	.2	.2	.2								1.3	4.9
SSW	.3	.3	.3	.2								1.2	6.1
SW	.2	1.7	2.0	1.5								5.3	8.6
WSW	.7	2.7	2.5	4.6	.7	.2						11.3	9.8
W	.3	1.7	2.7	3.3	.5							8.5	9.8
WNW	.3	2.0	.7									3.2	5.6
NW	.8	1.5	.2									2.5	4.0
NNW	1.5	2.8	.2									4.5	4.1
VARBL		.2	15.0	2.8	.2							19.1	9.1
CALM												3.0	
	14.6	34.8	31.7	14.8	1.3	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 BAUMHOLDER DL STATION NAME 74-83 YEARS APP 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	2.7	3.6	.4									6.7	3.9
NNE	1.9	3.8	2.7	.2								8.6	5.5
NE	.9	2.7	.6	.8								4.8	6.2
ENE	1.2	2.1	3.1	.6								6.9	6.6
E	1.5	4.2	2.5	1.7								17.0	6.8
ESE	.4	1.0	.6									1.9	5.6
SE		.2	.4									.6	6.7
SSE	.2	.4										.6	3.7
S	.4	1.7	.6									1.9	5.8
SSW	.2	1.7	.8	.2								2.1	7.1
SW	.4	1.0	1.9	1.5	.4							5.2	9.0
WSW	.2	1.5	3.6	3.8	.2							9.4	10.0
W	.6	1.3	5.0	4.4	.2							11.5	9.9
WNW	1.2	1.5	1.0	.2								3.8	5.2
NW	1.7	1.2	.4									2.5	4.5
NNW	1.2	1.5										2.7	3.7
VARBL			14.8	2.3								17.1	8.9
CALM												3.6	
	13.6	28.7	38.2	15.7	.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

176190 STATION BAUMHOLDER DL STATION NAME 74-83 YEAR MAY MONTH
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.0	.3									4.8	2.7
NNE	1.8	3.8	1.9	.3								7.6	5.2
NE	2.3	2.8	1.5	.5								7.1	5.2
ENE	.5	1.0	.8									2.3	5.6
E		2.0	1.0	.3								3.3	6.9
ESE		1.0										1.0	4.6
SE		1.0										1.0	4.6
SSE		.5	.3									.8	5.3
S	.5											.3	2.3
SSW	1.0		1.3	.5								2.8	6.5
SW	2.8	3.8	3.0	1.3	.3							11.1	6.3
WSW	1.5	3.5	4.1	3.0	.3							12.4	8.0
W	1.9	2.3	2.8	1.0								7.8	6.8
WNW	.8	.3	.3									1.3	3.6
NW	.5	.5										1.0	3.8
NNW	.3	.3										.5	3.0
VARBL			5.3	1.0								6.3	9.1
CALM												28.4	
	17.2	23.8	22.3	7.8	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 395

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1619C SAUMHOLDER DL 74-83 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS 0000-1100
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0										2.7	2.9
NNE	2.9	4.4	1.2	.3								3.8	4.8
NE	1.7	1.7	.7									3.4	4.7
ENE	.3	2.0	.3	.7								3.4	6.5
E	.5	2.7	2.2	1.5								6.9	7.6
ESE	1.2	2.0	1.0	.2								4.4	5.5
SE	.3	.	.2									1.4	4.2
SSE	.5	1.0	.2									1.7	4.1
S	.2	2.7	.5	.2								2.9	5.3
SSW	.3	1.7	1.0	.3								3.9	6.3
SW	.2	2.9	4.6	1.9								9.5	6.3
WSW	.7	4.2	5.4	2.9	1.0	.2						14.4	9.9
W	1.4	2.2	4.7	.3	.2							9.8	7.5
WNW	1.0	1.0	.2									2.2	3.9
NW	.5	.5										1.2	3.8
NNW	1.4	.3										1.7	2.1
VARBL			10.0	3.6	.2							14.6	9.4
CALM												8.3	
	14.6	30.7	33.1	11.9	1.4	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1974-1975 BAUMHOLDER DL 74-83 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.8	.3									3.2	3.4
NNE	1.3	3.7	1.2	.3								6.1	5.2
NE	1.7	1.3	.7									3.0	4.8
ENE	.3	2.2	.8									3.4	5.4
E	1.3	2.4	2.4	1.7								7.7	7.4
ESE	.5	2.4	.8									3.7	5.2
SE	.5	1.5										2.0	4.5
SSE	.5	1.7	.2	.2								2.5	4.9
S	.8	1.8	1.7	.3								4.0	5.5
SSW	.5	1.7	2.4	1.0								5.5	7.6
SW	.8	2.4	4.4	1.7	.2							9.4	8.0
WSW	.2	2.7	5.7	4.2	.8							13.6	9.7
W	1.2	2.0	4.0	1.8	.2							9.2	8.2
WNW	.7	1.7	1.0									3.4	5.2
NW	.5	1.7										1.5	3.6
NNW	1.2	1.2										2.4	3.5
VARBL			11.8	5.0								16.8	10.1
CALM												2.5	
	13.4	29.9	36.6	16.3	1.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1:6190 STATION NAME BAUMHOLDER DL YEARS 74-83 MONTH MAY
 CLASS ALL WEATHER HOUR (LST) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	.4									4.1	4.2
NNE	1.4	3.3	1.4	.6								6.7	5.9
NE	.6	1.4	.4									2.4	5.1
ENE	1.2	1.4	.4									3.0	4.6
E	.8	5.3	3.3	1.6								11.0	6.8
ESE	1.0	1.6	1.6									4.3	6.0
SE	.4	.6										1.0	4.0
SSE	.8	.6										1.4	3.4
S	.4	2.0	1.0	.2								3.7	6.1
SSW	.6	1.6	1.0									3.3	5.7
SW	.2	2.0	3.3	1.4								6.9	8.4
WSW	.2	3.5	6.7	4.9								15.2	9.2
W	2.0	3.7	4.9	2.2	.2							13.0	7.4
WNW	.8	1.4	.6	.2								3.2	5.2
NW	.6	1.0		.2								1.8	4.9
NNW	2.2	1.0										3.3	2.8
VARBL			8.3	4.9	.4							13.6	10.5
CALM												2.2	
	14.8	32.7	33.3	16.3	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 492

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 SAUMHOLDER DL 73-82 JUN
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	2.7	.5										3.2	2.2
NNE	3.3	7.4	1.2									11.6	4.6
NE	1.2	2.5	.2									4.0	4.4
ENE	.2	2.5	.2									3.0	5.3
E	.5	1.7	.2									1.7	4.7
ESE	.5	.2										.7	3.0
SE	.2	.5										.7	4.3
SSE	.2											.2	3.0
S			.2									.2	3.0
SSW	.2	.7	.2									1.2	5.6
SW	1.5	3.2	4.2	1.0	.2							10.1	6.9
WSW	3.7	4.4	5.7	1.5								14.6	6.8
W	.5	3.2	4.2	1.2								9.1	7.3
WNW	.7	1.5										2.2	4.4
NW	.2	.5	.2	.5								1.5	7.7
NNW	.5	.7	.5	.2								2.0	5.9
VARBL			1.5									1.5	8.0
CALM												12.3	
	15.3	28.9	18.8	4.4	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 405

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 176190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH JUL
 CLASS ALL WEATHER MONTHS 0930-1100
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.2									4.1	3.4
NNE	2.6	6.1	2.1	.3								11.1	5.0
NE	.3	3.6	1.3									5.2	5.9
ENE	1.1	2.0	1.1									4.3	5.3
E	1.5	3.6	1.6									6.7	5.3
ESE	.3	.7	.5									1.5	4.8
SE	.7	.7	.2									1.5	4.2
SSE	.3	1.1										1.5	4.6
S	.8	.7	.2									1.6	4.0
SSW	.7	1.0	.7	.3								2.6	6.3
SW	1.0	2.0	2.6	1.3		.2						7.0	7.7
WSW	1.6	3.9	8.2	2.5	.5							16.6	8.1
W	1.3	4.1	6.1	2.1	.2							13.8	7.7
WNW	.5	1.0	.8	.2								2.5	5.9
NW	1.7	1.3	.3									2.6	4.2
NNW	.3	.3	.3	.3								1.3	6.5
VARBL			7.2	1.5	.2							8.9	9.1
CALM												7.2	
	16.7	33.1	33.4	8.5	.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

16190 STATION BAUMHOLDER DL STATION NAME 73-82 YEARS MONTH 11A
 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	2.1	3.1	.3									5.5	4.1
NNE	1.8	3.4	2.4									7.6	5.4
NE	1.0	2.0	2.0	.3								5.2	6.1
ENE	.8	1.6	1.1	.2								3.7	5.9
E	1.3	2.6	2.0	.5								6.3	6.3
ESE	1.5	1.8										3.3	4.1
SE	.3	1.1	.3									1.8	4.7
SSE	.2	.5	.5									1.1	5.6
S	.3	.5										.8	3.8
SSW	.7	1.1	1.0	.3								3.1	6.1
SW	.5	2.3	2.4	1.8								7.0	8.4
WSW	1.1	2.6	6.7	3.4	.7							14.5	9.0
W	.7	3.6	7.8	3.6	.3							15.9	8.9
WNW	1.3	3.7	.7	.2								5.9	5.1
NW	.5	1.3	.3									2.1	4.8
NNW	1.0	1.3	.3									2.6	4.8
VARBL			7.5	2.1	.5							10.1	10.1
CALM												3.4	
	15.0	32.5	35.3	12.4	1.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 615

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

16190 STATION BAUMHOLDER DL STATION NAME 73-62 YEARS JUN DATE
ALL WEATHER CLASS 1500-1700 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	1.3	1.3										2.6	3.7
NNE	1.5	5.1	1.7	.2								8.4	5.6
NE	.8	3.8	2.6	.2								7.3	6.1
ENE	.8	1.5	.8	.4								3.4	6.2
E	1.3	1.9	2.1	1.5								6.8	7.4
ESE	1.1	1.9	.6									3.6	4.7
SE	.8	.4	.6									1.7	5.1
SSE	1.7	.4	.4									2.4	3.3
S	.2	1.3	.2									1.7	5.3
SSW	.4	.6	.9	.6								2.4	7.5
SW	.2	1.5	1.5	.8								3.9	7.6
WSW	.4	3.4	7.5	3.8								15.0	8.9
W	1.3	4.9	7.9	3.6								17.6	8.0
WNW	.9	3.6	1.1	.2								5.8	5.3
NW	.8	.9	.4	.2								2.3	5.5
NNW	.6	1.5	.4	.2								2.6	5.2
VARBL			5.6	2.1	.4							8.1	10.1
CALM												4.3	
	13.9	33.8	34.1	13.5	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 533

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 176190 BAUMHOLDER DL STATION NAME 73-82 YEAR JUL MONTH
 CLASS ALL WEATHER HOURS (LST) 0600-0800
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	2.0										5.1	2.9
NNE	1.5	2.7	1.5	.2								5.9	5.1
NE	.7	3.2										3.9	4.1
ENE	1.2	1.7	.5									3.4	4.1
E	.5	.7	.2									1.5	4.8
ESE		.2										.2	4.0
SE													
SSE													
S	.2	.2										.5	3.5
SSW	.5	1.2	.7									2.4	5.5
SW	3.4	4.6	3.9	1.2								13.2	5.8
WSW	2.7	5.1	7.3	1.0								16.1	6.6
W	2.9	2.7	2.4	.5								8.6	5.7
WNW	1.0	.7										1.7	3.0
NW	.7	.7										1.5	3.5
NNW	1.2	.5	.5									2.5	4.0
VARBL		.5	1.2	.2								2.0	3.3
CALM												32.0	
	19.6	26.9	18.3	3.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 409

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 176190 STATION NAME BAUMHOLDER DL YEAR 73-82 MONTH JUL
 CLASS ALL WEATHER PERIOD 1900-1100
 HOURS (LST)
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	3.1	1.5										4.6	3.0
NNE	3.3	2.3	1.3	.5								7.8	4.7
NE	.7	2.6	1.1	.3								4.7	5.7
ENE	1.3	.7	.5									2.4	4.2
E	1.3	4.2	1.1									6.7	5.1
ESE	.5	1.6										2.1	4.1
SE	.3	.7										1.0	3.8
SSE	.5	.3										.8	3.8
S	.7	.5	.5									1.6	4.8
SSW	1.1	1.7	1.5	.3								3.9	6.2
SW	.5	3.1	4.7	1.3	.2							9.8	8.0
WSW	1.3	4.7	8.1	3.4	.3							17.9	8.0
W	1.6	4.4	6.7	1.3								14.0	7.0
WNW	.3	2.1	.2									3.1	4.4
NW	.3	1.5										2.3	3.9
NNW	1.1	.8	1.0									2.9	5.1
VARBL			5.7	1.5								7.2	9.2
CALM												7.2	
	16.9	32.4	32.4	8.6	.5							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 614

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 73-82 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 1000-1400

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	2.0	.2									3.3	4.1
NNE	1.8	2.4	1.6	.3								6.2	5.2
NE	1.0	2.6	.3	.2								4.1	5.0
ENE	.2	1.3	1.3									2.9	6.6
E	1.5	3.3	1.5	.2								6.4	5.4
ESE	1.0	1.5	.2									2.0	3.9
SE		1.2	.5									1.8	5.3
SSE	.7	1.1	.5									2.1	4.5
S	.2	1.1	1.0	.2								2.4	6.5
SSW	.7	1.0	1.3	.7								3.6	7.2
SW	.7	1.8	3.1	2.4	.2							8.2	8.7
WSW	.8	3.9	7.3	5.1	.2							17.3	9.1
W	1.5	4.1	9.3	2.8								17.6	8.5
WNW	.8	2.0	1.1									3.9	5.4
NW	1.1	1.1										2.3	3.9
NNW	1.5	1.0	.2	.2								2.8	4.2
VARBL		.5	7.3	.7	.3							8.8	8.7
CALM												3.9	
	14.4	31.8	36.7	12.6	.7							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 613

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 73-82 Jul
STATION STATION NAME YEAR MONTH

ALL WEATHER 1500-1700
CLASS HOUR (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.6									3.2	3.9
NNE	2.3	4.7	.9									7.9	4.7
NE	1.1	1.9	.8									3.8	5.2
ENE	2.1	1.1	.8									3.9	4.0
E	.5	3.4	1.9	.2								6.0	5.9
ESE	1.7	.2	.2									2.1	3.2
SE	.2	.2										.9	2.8
SSE	.5	.2	.4									1.1	4.5
S	.4		.9	.4								1.7	7.7
SSW	.4	1.1	1.9									3.4	6.8
SW	.9	2.6	4.1	1.1								8.6	7.7
WSW	.6	3.2	7.0	4.5	.4							15.6	9.3
W	2.3	4.7	8.6	3.4								19.0	7.9
WNW	2.1	1.7	.9									4.7	4.5
NW	1.1	1.5	.4									3.0	4.5
NNW	2.9	.9	.2									3.9	3.3
VARBL		.4	6.4	1.9	.2							8.8	9.5
CALM												1.5	
	21.1	29.5	35.9	11.5	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 106190 BAUMHOLDER DL STATION NAME 73-82 YEARS ALL MONTHS
 CLASS ALL WEATHER HOURS 0600-0600
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.7										1.4	2.3
NNE	3.2	5.1	1.2									9.5	4.1
NE	1.7	1.0			.2							2.9	4.7
ENE	.7	1.7	.2									2.7	4.8
E	.7	.5										1.2	3.8
ESE		.5	.5									1.0	6.3
SE	.5	.2										.7	2.3
SSE	.2											.2	1.0
S	.5											.5	3.0
SSW	.2	.2										.2	3.0
SW	2.5	4.2	3.2	.7								10.5	5.7
WSW	2.7	4.9	4.4	.7								12.7	5.9
W	2.0	3.2	1.5	.2								6.9	5.0
WNW	1.7	1.0										2.0	2.9
NW													
NNW	1.0											1.0	2.3
VARBL			1.7									1.7	7.3
CALM												43.1	
	19.6	22.5	12.7	1.7	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 408

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 16190 BAUMHOLDER DL STATION NAME 73-82 YEARS 1990-1992 MONTH ALL
 CLASS ALL WEATHER HOURS (LST) 0000-1100
 CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	1.5	.2									5.7	3.2
NNE	4.1	6.2	2.6	.3								13.2	5.7
NE	.7	2.0	1.1									3.7	5.5
ENE	1.5	1.3	.2									2.9	4.1
E	1.8	3.7	2.0									7.5	5.2
ESE	.3	1.6	.7	.2								3.3	5.5
SE	.5	.3	.5									1.8	5.1
SSE	.5	.3										.8	3.0
S	.2	.2	.5									1.9	4.7
SSW	.5	.5	.3	.3								1.6	6.2
SW	.8	3.3	4.1	1.1								9.3	7.1
WSW	.2	3.4	6.5	2.9								13.7	8.4
W	1.3	2.6	2.9	1.6								8.5	7.5
WNW	1.1	2.3	.2									4.1	4.5
NW	2.2	.5	.2									2.9	4.6
NNW	1.5	.5										2.2	2.8
VARBL			5.9	.8								6.7	6.7
CALM												11.4	
	22.4	31.2	27.6	7.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 215

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 16190 BAJMHOLDER DL STATION NAME 73-62 YEARS 1960-1966 MONTHS 12, 1-14, 15

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.2	.5									5.7	4.1
NNE	1.0	3.7	2.5	.8								2.9	5.8
NE	.5	1.5	.5	.2								2.1	5.8
ENE	1.0	2.1	.3									3.4	5.0
E	1.6	3.2	2.4	.5								7.5	6.1
ESE	.1	2.4	.8	.2								4.2	5.2
SE	.5	.8	.5									1.2	4.8
SSE	1.0	.4										1.8	3.2
S	.9	.6	.3									1.0	4.0
SSW	1.0	.5	.5	.6								2.7	5.8
SW	1.0	1.6	3.7	1.8								8.0	7.9
WSW	1.0	2.4	5.9	3.5								12.8	6.8
W	1.3	2.9	4.5	3.0	.2							11.8	5.4
WNW	1.6	1.9	1.4									5.0	5.1
NW	1.1	.8	.5									2.4	4.3
NNW	1.9	.5										2.2	2.8
VARBL		.2	8.9	3.4								12.5	4.4
CALM												4.3	
	19.8	28.6	33.2	13.9	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

SURFACE WINDS

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

1 (190) STATION BAUMHOLDER DL STATION NAME 73-E2 YEARS ALL MONTHS
 ALL WEATHER CLASS 1520-1720 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.4	.4									5.2	3.7
NNE	3.3	2.9	3.5	.4								11.1	5.4
NE	1.6	1.5	.4	.2								3.7	4.5
ENE	.7	1.3	.5									2.0	5.2
E	.5	2.9	1.3	.4								5.1	6.5
ESE	.5	1.6	.7	.2								7.1	5.6
SE	.5	1.3	.5									2.4	5.0
SSE	.4	1.1										1.0	3.9
S	.4	1.3	.2									1.8	4.4
SSW	.4	.7	1.1	.9								3.3	6.1
SW	.9	1.8	4.0	1.8								6.5	6.1
WSW	.9	2.2	6.2	3.3								12.4	5.5
W	1.5	3.7	6.6	2.0								13.7	7.8
WNW	1.3	1.6	.9									3.2	4.8
NW	.9	1.5	.7									3.1	5.3
NNW	3.5	1.1										4.0	2.7
VARBL			7.9	2.2								10.1	9.4
CALM												4.8	
	27	29.1	39.7	11.3								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 10619C STATION NAME BAUMHOLDER DL YEARS 73-82 SLP MONTH SEP

CLASS ALL WEATHER HOURS (LST) 0600-0800

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	2.3
NNE	2.3	.7	1.3									3.2	4.0
NE	1.6	2.3	.3									4.3	4.0
ENE	.7	.3	.3									1.3	3.5
E	.3	.7										1.0	4.3
ESE													
SE		.3										.3	6.0
SSE		.7										.7	6.0
S	.3	.3	.3									1.0	6.0
SSW	.3	.3	.7		.7	.3						2.3	11.9
SW	2.6	1.6	4.9	1.3	.3							10.8	7.2
WSW	3.3	4.9	3.3	.7								12.1	5.8
W	1.7	2.3	3.0	.7								6.9	7.0
WNW			.7									.7	8.5
NW													
NNW		.7										.7	4.5
VARBL			.3									.3	7.0
CALM												52.8	
	13.1	15.1	15.1	2.6	1.0	.3						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 305

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 17619C STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH SEP
 CLASS ALL WEATHER HOURS (LST) 0900-1100
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.9	.4										3.3 2.4
NNE	1.8	2.9	1.8	.2								6.6 5.4
NE	1.5	3.3	.4									5.3 4.5
ENE	.7	.9	.2									1.8 4.0
E	.4	1.3	1.1	.2								3.1 6.6
ESE	.2	1.3										1.5 5.0
SE	.2	1.1										1.3 4.5
SSE	.4	.4										.9 3.5
S		1.5	.4									2.0 5.7
SSW	.4	1.1	2.0	1.8								5.3 8.6
SW	2.2	4.2	3.3	2.2	.4							12.4 7.2
WSW	1.8	5.8	6.6	5.3	.2							19.7 8.2
W	.4	4.2	4.2	2.2								11.1 7.3
WNW	.7	.4										1.1 3.4
NW	.9	.9										1.8 3.4
NNW	.7	.9										1.5 3.3
VARBL			1.8	.2								2.0 8.2
CALM												19.2
	15.3	30.8	21.9	12.2	.7							100.0 5.3

TOTAL NUMBER OF OBSERVATIONS 452

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1-6190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH SEP
 CLASS ALL WEATHER HOURS (LST) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	2.2	.2									4.0	3.8
NNE	3.4	2.0	1.8									7.2	4.3
NE	.9	1.8	.7									3.4	5.1
ENE	.7	1.8	.9									3.4	5.5
E	.7	2.0	1.1	.2								4.0	5.7
ESE	1.1	.7	1.1									2.9	5.7
SE	.4	1.1	1.3									2.9	6.2
SSE	1.1	2.0										3.1	4.3
S	.4	2.0	.7									3.1	5.9
SSW		2.5	2.5	1.3								6.3	7.8
SW	.7	2.2	4.9	3.1	.7							11.7	9.3
WSW	.9	3.4	6.3	5.8	.7	.2						17.3	9.7
W	1.8	2.0	5.8	2.2								11.9	7.9
WNW	.4	2.0		.2								2.7	5.0
NW	.7	1.3										2.0	4.3
NNW	1.3	1.1	.2									2.7	3.8
VARBL		.2	4.5	2.2								7.0	9.9
CALM												4.5	
	16.1	30.5	32.1	15.2	1.3	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 446

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 176190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH SEP
 CLASS ALL WEATHER HOURS (LST) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	.3									2.7	4.1
NNE	1.3	2.9	1.6	.3								6.1	5.4
NE	1.1	1.1	.8									2.9	4.8
ENE	.8	1.1	.8									2.7	5.4
E	1.1	2.4	2.9	.8								7.2	6.5
ESE	.8	.8	.3									1.9	4.0
SE		.5										.5	5.0
SSE	1.1	2.1										3.2	4.2
S	.5	3.5	.3	.5								4.8	5.9
SSW	.3	1.6	1.6	1.9								5.3	8.7
SW	.8	3.2	3.7	3.5								11.2	8.6
WSW	.8	4.8	10.1	4.0	.5							20.3	8.6
W	1.3	2.9	7.5	2.4	.3	.3						14.7	8.5
WNW	1.6	1.9	1.1									4.5	4.7
NW	.3	.8										1.1	4.0
NNW	.8	1.6	.3									2.7	4.5
VARBL		.3	2.7	.5	.3							3.7	9.4
CALM												4.5	
	13.6	32.8	33.9	13.9	1.1	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 375

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 0600-0800
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	1.7											1.3	2.0
NNE	2.1	1.3	.5									3.9	3.5
NE	1.3	1.0	.3									2.6	3.3
ENE	.8	1.0	.5									2.3	4.6
E	1.0	2.1	.5									3.6	4.4
ESE	.5	.3	.5									1.3	5.2
SE		.3	.3									.5	5.5
SSE	.3	.5										.8	4.0
S	1.3	.3	1.3	.3	.5							3.6	7.3
SSW	1.0	1.6	1.3	.5								4.4	6.4
SW	2.1	1.8	2.9	2.6		.3						9.6	8.0
WSW	2.6	2.6	5.2	3.6	.8							14.8	8.3
W	.3	2.1	1.0	.8								4.2	7.1
WNW	.5		.3									.8	4.0
NW	.3	1.3										1.6	4.7
NNW	.3											.3	2.0
VARBL			2.9	.5								3.4	8.8
CALM												11.0	
	15.6	16.1	17.4	8.3	1.3	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 385

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 73-82 OCT
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	2.8	.3										3.1	2.1
NNE	2.9	2.4	.5									5.9	3.8
NE	.9	1.2		.2								2.2	4.2
ENE	1.0	.7	.2	.2								2.1	4.3
E	2.4	2.9	1.7									7.1	4.7
ESE	1.0	.7	.9									2.6	4.8
SE	1.9											1.9	2.1
SSE	.5	.7	.2									1.4	3.6
S		.9	.5	.2								1.5	6.8
SSW	.7	1.2	1.9	.9								4.6	7.7
SW	1.5	3.3	6.4	2.4	.7							14.3	8.2
WSW	2.1	4.8	7.2	4.0	.3							18.4	8.2
W	.5	1.7	1.5	1.4	.3							5.5	8.8
WNW	1.2	.2	.2									1.5	3.4
NW	.5	.5										1.0	3.5
NNW	.9											.9	1.8
VARBL			3.6	1.4	.2							5.2	10.2
CALM												20.8	
	20.8	21.5	24.8	10.5	1.5							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 STATION BAUMHOLDER DL STATION NAME 73-82 YEARS OCT
1200-1400 HOURS (L. S. T.)
 CLASS ALL WEATHER
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.4										4.2	2.8
NNE	2.4	2.6	.2									5.2	3.6
NE	.3	1.0										1.4	3.9
ENE	2.4	2.1										4.5	3.5
E	2.2	2.4	2.4	.3								7.4	5.6
ESE	1.2	2.1	.7									4.0	4.5
SE	1.0	1.0	.2									2.2	3.7
SSE	1.6	.7	.2									2.4	3.4
S	.5	1.4	.2	.3								2.4	5.3
SSW	1.0	2.8	1.6	1.2								6.6	6.7
SW	.9	2.1	6.2	2.6	.2							11.9	8.3
WSW	1.2	3.6	5.2	5.5	1.2							16.8	9.7
W	.9	2.6	2.2	2.4								8.1	5.2
WNW	.5	1.0	.7									2.2	5.1
NW	1.4	.9	.2									2.4	4.0
NNW	1.0	.9	.2									2.1	3.6
VARBL			5.4	2.2	.7							8.3	10.5
CALM												8.0	
	21.3	28.5	25.4	14.7	2.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 578

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 STATION BAUMHOLDER DL STATION NAME 73-82 YEARS CCT MONTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.3	.2									3.7	1.0
NNE	1.0	3.7	.2									5.8	3.9
NE	1.0	1.3										2.3	4.2
ENE	1.5	1.0	.2									2.7	3.6
E	3.5	3.8	2.5	.4								10.2	4.8
ESE	1.7	2.9	.4									5.0	4.6
SE	1.5	1.5										3.1	3.4
SSE	1.2	.4	.6									2.1	3.9
S	1.2	1.3	.8									3.3	4.6
SSW	1.5	2.3	2.3	.8								6.9	6.5
SW	1.3	4.4	4.2	1.7								11.7	7.0
WSW	1.5	2.9	6.7	3.3	1.0							15.4	4.1
W	1.2	2.5	3.5	1.7	.6							9.4	8.5
WNW	.4	1.0	.2	.2								1.7	6.1
NW	.2	.6										.8	4.5
NNW	1.0	.2										1.2	2.7
VARBL			4.2	1.0								5.2	9.1
CALM												9.6	
	22.7	31.2	26.0	9.0	1.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106190 BAUMHOLDER DL 73-82 MOY
STATION STATION NAME YEAR MONTH

ALL WEATHERP 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	.5											.6	1.5
NNE	1.7	2.2	.3									4.2	3.7
NE	.6	.8	.3									1.7	4.7
ENE	.6	.3	.3									1.1	4.3
E	1.7	1.7										3.4	3.3
ESE	.6											.6	2.0
SE	.3											.3	1.0
SSE	.3		1.1									1.4	1.8
S	.8		1.1	.3								2.2	7.5
SSW	.6	.6	2.8	2.2								6.1	9.2
SW	2.5	5.3	4.5	2.5	.6							15.4	7.3
WSW	1.4	5.3	5.6	5.0	1.4							18.7	9.0
W	1.7	3.1	4.7	3.4	.8							13.7	8.7
WNW	.6	1.1	1.4									3.1	5.6
NW													
NNW													
VARBL		.3	.3	.6								1.1	9.8
CALM												26.5	
	13.7	20.7	22.3	14.0	2.8							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 358

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 16190 STATION NAME BAUMHOLDER DL YEARS 73-82 MONTH NOV
 CLASS ALL WEATHER PERIOD 0900-1100
 HOURS (LST) 0900-1100
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1										1.1	3.0
NNE	1.1	2.7	1.1									4.9	4.9
NE	1.3	1.1										2.4	3.7
ENE	.2	.9	.7									1.8	5.7
E	.9	1.5	.5									2.9	4.8
ESE	.4	.4	.2									.9	4.4
SE	.2				.2							.4	10.5
SSE	.2		.4	.2	.2							.9	9.8
S		.9	.5	.4								1.8	7.4
SSW	.7	.9	1.1	2.2								4.9	8.5
SW	1.1	4.2	6.6	4.2	.2	.4						16.6	8.7
WSW	1.6	4.9	7.1	5.1	.5							19.4	6.7
W	.5	2.4	5.7	4.2	1.1							13.9	9.8
WNW	.2	1.1	.7	.2								2.2	6.3
NW	.7	.9	.2									1.8	4.5
NNW	1.1	.2										1.3	1.9
VARBL			1.6	1.1								2.7	10.2
CALM												19.9	
	13.9	22.7	26.5	17.6	2.2	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1619C STATION GAUMHOLDER DL STATION NAME 72-82 YEARS NOV MONTH 1200-1400 HOUR (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	1.7	.4										2.1	3.0
NNE	1.1	2.9	1.5	.2								5.7	5.6
NE	.4	2.0	.4									2.8	4.9
ENE	.6	.2	.2									.9	3.4
E	.2	1.9	1.3									3.3	6.2
ESE	.4	.9	.7									2.0	5.5
SE	.2	.2										.4	3.0
SSE	.4	.6										.9	4.4
S	.2	.2	1.1	.2								1.7	7.9
SSW	.9	1.1	2.0	1.8								5.9	8.4
SW	.9	3.5	7.2	5.5	.7	.6						18.3	9.7
WSW	.7	3.3	7.2	5.1	.7	.4						17.4	9.8
W	.6	3.1	6.1	5.9	.2	.2						16.0	9.7
WNW	.7	1.8	.9	.4								3.9	6.2
NW	.7	1.3										2.0	4.2
NNW	.4	.9										1.3	3.6
VARBL		.2	2.8	1.1								4.0	9.3
CALM												11.6	
	9.9	24.4	31.2	20.2	1.7	1.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 16190 SAUMHOLDER DL STATION NAME SAUMHOLDER DL YEARS 73-82 MONTH NOV
 CLASS ALL WEATHER HOURS (LST) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.8		.2								1.5	4.7
NNE	1.8	3.0	1.0	.4								6.2	5.0
NE	.8	1.4	.2									2.4	4.1
ENE	.6	1.4	.2									2.2	4.7
E	1.4	2.0	.6									4.0	4.5
ESE	.4	1.4	.2									2.0	4.1
SE	1.2	.2	.2									1.6	3.3
SSE	.2		.2									.4	5.0
S	.4	.2	1.4	.4								2.4	5.4
SSW	.8	1.0	2.8	2.6	.4							7.6	9.4
SW	2.0	3.4	6.6	3.8	1.0	.4	.2					17.5	9.3
WSW	1.6	5.0	6.0	5.6	.4							18.7	8.7
W	1.0	3.6	4.8	3.4	.4							13.3	8.7
WNW	.6	1.6	.8	.4								3.4	6.5
NW	1.0	1.4	.2									2.6	4.2
NNW	.6	.8										1.4	3.3
VARBL			2.2									2.0	6.4
CALM												10.4	
	15.3	27.3	27.3	16.9	2.2	.4	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 498

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16190 STATION PAUMHOLTER DL 73-62 YEAR 08 MONTH SOUTH
 ALL WEATHER CLASS 1600-2400 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	.3										2.3	2.9
NNE	1.4	1.4	.6									3.4	4.6
NE	.0	.8										1.4	3.4
ENE	.3	.8										1.1	3.9
E	.8	.3	.3									1.4	3.8
ESE	.6	.6	.3									1.4	4.6
SE		1.1	.3									1.4	5.0
SSE	.6	.3										.8	3.0
S	.3	.6	.3	.3								1.4	6.2
SSW	.7	.6	.8	.6	.3							2.5	9.3
SW	.3	2.0	1.1	3.1	.3	.3						6.7	9.7
WSW	2.0	6.7	8.7	7.5	2.5	.9						28.2	12.2
W	1.4	2.5	4.7	2.0	1.1	.3						12.0	9.0
WNW		.6										.6	5.0
NW	.5	.3										.8	3.0
NNW	.6	.3										.8	3.0
VARBL			2.5	2.0	.3							4.7	11.1
CALM												29.5	
	11.5	19.6	19.6	15.4	4.2	1.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 358

CELESTIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

STATION 0-197 LA JIMHOLDER FL STATION NAME 73-82 YEARS D.C.
ALL WEATHER 1979-1982
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.2	.5									1.9	3.9
NNE	2.1	2.2	.5									5.4	4.6
NE	.9	.5	.3									1.7	4.2
ENE	.7	1.2	.3									2.2	4.5
E	.7	.5	.3									1.9	4.2
ESE	.3	.7	.2									1.2	4.1
SE		.2	.2									.7	3.5
SSE		.2										.2	3.3
S			.2	.3								1.0	4.2
SSW	.3	1.4	.3	.7	.2							2.9	7.4
SW	.2	3.8	2.2	1.7	1.7	.7						11.7	6.6
WSW	.9	6.6	9.3	6.9	2.1	.2						25.9	9.8
W	1.0	1.7	4.1	4.5	1.2	.3	.2					17.1	11.1
WNW	.2	.3		.2								.7	5.8
NW		.2		.2								.5	7.6
NNW	.2	.5										.7	3.5
VARBL			.2	1.7	.3							4.3	11.2
CALM												23.5	
	11.1	21.6	20.9	16.2	5.5	.7	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 579

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14190 BAUMHOLDER DL STATION NAME 77-82 YEARS DLG MONTHS
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.3	.4									3.4	3.4
NNE	1.3	2.3	.4									4.3	4.3
NE	.2	.8										1.2	4.4
ENE	1.1	2.0	1.0									5.0	5.1
E	1.0	1.0	.6									3.4	4.6
ESE	1.3	1.0	.2									2.5	3.7
SE	.4	.2	.4									1.0	4.6
SSE			.2									.2	6.0
S		.2		.2								1.0	6.6
SSW	.2	.8	.8	.6	.2							3.0	7.7
SW	1.1	3.4	2.9	1.5	.8	.2						9.9	8.2
WSW	1.5	3.8	8.6	6.7	2.1	.2						23.4	10.3
W	.4	3.4	5.1	7.0	1.7	.2						18.5	11.4
WNW	.2	.2	.4	.2								1.0	6.8
NW	.2	.5	.6									1.3	5.4
NNW	.3	.6										1.3	4.0
VARBL			3.0	2.3	.8	.4						6.5	12.1
CALM												13.3	
	12.4	23.2	24.4	18.5	5.5	2.1						10.0	7.5

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

176197 BAUMHOLDER DL 73-82 DLG
STATION STATION NAME YEARS MONTHS

ALL WEATHER 1500-1700
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.0										2.4	3.1
NNE	2.5	2.1	.7									5.5	3.9
NE	.7	1.7	.2									2.0	4.1
ENE	1.0	1.9	.7									3.6	4.7
E	.7	2.4	.5									3.0	4.6
ESE	1.0	.7	.2									1.9	4.1
SE		1.7	.2									1.2	3.6
SSE	.5	.2										.7	3.0
S	1.0	.7										1.7	3.6
SSW	.2	1.2	.5									1.9	5.3
SW	1.9	5.0	2.1	1.0	.2							11.2	6.7
WSW	2.1	5.2	7.6	8.8	1.0	.2	.2					25.2	9.8
W	1.4	3.3	4.5	7.1	2.6							19.0	10.9
WNW		.2	.2									.5	7.0
NW	.5	.5	.2	.2								1.4	6.0
NNW	.2	.5										.7	4.0
VARBL		.2	1.0	.7		.2						2.1	11.1
CALM												15.0	
	15.2	27.8	18.8	18.8	3.8	.5	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 421

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. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16190 BAUMHOLDE DL STATION NAME

74-83 YEAR

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0630-0800

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	7.0	10.4	11.0	12.4	12.0	12.9	13.5	13.5	13.8	14.1	14.3	14.3	14.3	14.6	14.6	14.9
≥20000	7.6	11.1	11.5	11.5	14.0	14.0	14.2	14.9	15.2	15.7	16.0	16.0	16.0	16.3	16.3	16.6
≥18000	7.6	11.2	11.0	13.8	14.6	14.6	15.4	15.4	15.7	16.3	16.6	16.6	16.6	16.9	16.9	17.1
≥16000	7.6	11.2	11.8	13.8	14.6	14.6	15.4	15.4	15.7	16.3	16.6	16.6	16.6	16.9	16.9	17.1
≥14000	7.4	11.5	12.1	14.0	14.0	14.9	15.7	15.7	16.0	16.6	16.9	16.9	16.9	17.1	17.1	17.4
≥12000	7.9	11.8	12.4	14.3	15.2	15.2	16.0	16.0	16.3	16.9	17.1	17.1	17.1	17.4	17.4	17.7
≥10000	8.4	12.6	13.2	15.2	16.0	16.0	16.9	16.9	17.1	17.7	18.0	18.0	18.0	18.3	18.3	18.5
≥9000	8.4	12.6	13.2	15.2	16.0	16.0	16.9	16.9	17.1	17.7	18.0	18.0	18.0	18.3	18.3	18.5
≥8000	8.4	12.6	13.2	15.2	16.0	16.0	16.9	16.9	17.1	17.7	18.0	18.0	18.0	18.3	18.3	18.5
≥7000	1.4	15.4	16.0	18.8	19.7	19.7	20.5	20.8	21.1	21.9	22.2	22.2	22.2	22.8	22.8	23.0
≥6000	1.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
≥5000	1.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
≥4500	1.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
≥4000	10.4	15.7	16.6	19.4	20.8	20.8	21.6	21.9	22.2	23.0	23.3	23.3	23.3	23.9	23.9	24.2
≥3500	11.0	16.3	17.1	19.9	21.3	21.3	22.8	23.0	23.3	24.2	24.4	24.4	24.4	25.0	25.0	25.3
≥3000	12.6	18.5	19.4	22.5	23.9	23.9	25.3	25.6	25.8	26.7	27.0	27.0	27.0	27.5	27.5	27.8
≥2500	14.0	21.3	23.0	27.5	29.8	29.8	31.7	32.0	32.3	33.1	33.4	33.4	33.4	34.0	34.0	34.3
≥2000	16.9	23.0	25.3	30.1	32.3	32.3	34.3	34.6	34.8	35.7	36.0	36.0	36.0	36.8	36.8	37.1
≥1800	19.7	28.7	30.3	36.8	39.3	39.3	41.7	41.9	42.1	43.3	43.8	43.8	43.8	44.7	44.7	44.9
≥1600	19.7	28.9	30.6	37.9	41.4	40.7	42.4	43.0	43.3	44.4	44.9	44.9	44.9	45.8	45.8	46.1
≥1400	22.5	32.9	34.6	41.9	45.2	45.8	48.3	49.4	49.7	50.8	51.4	51.4	51.4	52.2	52.2	52.5
≥1200	23.0	34.6	36.8	44.9	49.4	50.0	52.8	54.2	54.5	56.2	56.7	56.7	56.7	57.9	57.9	58.1
≥1000	24.7	35.7	37.9	46.9	52.5	53.4	57.3	59.6	60.4	62.4	63.2	63.2	63.2	64.9	64.9	65.2
≥900	27.0	36.2	38.5	47.5	53.1	53.9	57.9	60.7	61.5	64.3	64.9	64.9	64.9	65.4	66.6	66.6
≥800	27.6	37.6	39.9	49.7	55.3	56.2	60.1	63.8	65.2	68.3	69.8	69.8	69.8	70.5	70.5	70.8
≥700	20.1	38.5	40.7	52.5	58.1	59.0	63.8	68.3	69.9	73.3	73.9	73.9	74.4	75.8	75.8	76.1
≥600	20.4	38.8	41.0	53.4	59.0	59.8	64.6	70.2	71.9	75.6	76.1	76.1	76.7	78.7	78.7	78.9
≥500	20.7	39.9	42.1	55.6	61.2	62.1	67.7	74.7	76.7	81.2	81.7	81.7	82.3	84.3	84.3	84.6
≥400	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.1	85.7	85.7	86.8	89.0	89.9	90.2
≥300	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.6	91.3	92.7	93.0
≥200	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.9	93.0	95.2	96.9
≥100	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.5	87.9	93.3	95.5	98.9
≥0	27.0	40.2	42.4	55.9	62.1	62.9	68.8	77.2	79.8	85.4	86.5	86.8	88.2	93.5	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 356

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
17197

STATION NAME
BA. HOLDER DL

YEAR
74-83

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															OR (HUNDREDS OF METERS)				
	≥10	9	8	7	6	5	4	3	2	1	0.5	0.4	0.3	0.2	0.1	0.05	0.04	0.03	0.02	
NO. CEILING	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	
≥ 20000	0.4	9.5	9.5	11.1	11.6	12.3	12.3	13.1	13.1	13.4	13.4	13.6	13.6	14.0	14.1	14.1	14.7			
18000	0.8	12.7	12.2	14.1	14.7	15.0	15.4	16.1	16.1	16.5	16.5	16.6	16.6	17.0	17.4	17.9				
16000	0.8	12.7	12.2	14.1	14.7	15.0	15.4	16.1	16.1	16.5	16.5	16.6	16.6	17.0	17.4	17.9				
14000	0.8	12.3	12.5	14.5	15.0	15.4	15.7	16.5	16.5	16.8	16.8	17.0	17.0	17.4	17.7	18.2				
12000	0.1	12.5	12.7	14.8	15.4	15.7	16.1	16.8	16.8	17.2	17.2	17.4	17.4	17.7	18.1	18.6				
10000	0.1	13.1	13.2	15.4	15.9	16.3	16.6	17.4	17.4	17.7	17.7	17.9	17.9	18.2	18.6	19.1				
9000	0.1	13.2	13.4	15.6	16.1	16.5	16.8	17.5	17.5	17.9	17.9	18.1	18.1	18.4	18.8	19.3				
8000	1.7	16.1	16.8	21.9	21.5	21.8	22.4	23.1	23.1	23.6	23.6	23.8	23.8	24.2	24.5	25.7				
7000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8				
6000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8				
5000	11.1	10.6	17.4	21.5	22.0	22.4	23.1	23.8	23.8	24.3	24.3	24.5	24.5	24.9	25.2	25.8				
450	11.1	10.6	17.4	21.6	22.2	22.5	23.4	24.2	24.2	24.7	24.7	24.9	24.9	25.2	25.6	26.1				
400	11.1	17.4	18.1	22.4	22.9	23.3	24.3	25.0	25.0	25.6	25.6	25.8	25.8	26.1	26.5	27.0				
350	12.3	17.9	18.6	22.9	23.4	23.8	25.2	25.9	25.9	26.5	26.5	26.7	26.7	27.0	27.4	27.9				
300	14.3	21.3	22.7	27.9	29.2	29.5	31.1	31.8	31.8	32.4	32.4	32.6	32.6	32.9	33.3	33.8				
250	15.7	24.3	25.8	32.9	34.2	34.5	36.1	37.0	37.0	37.9	37.9	38.1	38.1	38.5	38.8	39.4				
200	17.7	27.1	29.3	38.6	39.9	40.3	42.2	43.1	43.1	44.0	44.0	44.2	44.2	44.5	44.9	45.4				
180	17.9	27.2	29.2	39.4	40.8	41.1	43.1	44.0	44.0	44.9	44.9	45.1	45.1	45.4	45.8	46.3				
150	19.7	29.7	31.8	42.0	44.0	44.4	46.5	48.5	48.5	49.7	49.7	49.9	49.9	50.3	50.6	51.2				
120	22.1	32.9	35.1	47.2	50.6	51.0	54.0	56.7	56.7	58.0	58.0	58.1	58.1	58.7	59.0	59.7				
100	24.3	35.4	37.7	51.3	55.8	56.2	59.4	63.3	63.5	64.9	64.9	65.1	65.3	65.8	66.2	66.9				
90	24.5	36.0	38.3	51.9	56.4	56.7	59.9	64.2	64.6	66.0	66.0	66.2	66.4	66.5	67.1	67.4				
80	25.4	37.4	39.7	53.8	59.9	59.2	62.4	66.9	67.6	69.1	69.2	69.4	69.6	70.1	70.5	71.2				
70	25.5	38.8	41.1	57.6	63.5	64.4	67.8	72.8	73.5	75.1	75.3	75.5	75.8	76.4	76.7	77.5				
60	26.8	39.5	41.9	58.5	64.6	65.5	69.4	74.8	75.5	77.5	77.6	77.8	78.2	78.7	79.1	79.8				
50	26.8	39.7	42.0	59.7	66.0	66.9	71.2	77.5	78.4	80.9	81.4	81.8	82.1	83.0	83.4	84.1				
40	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.5	84.3	85.3	85.9	87.3	89.1	89.4	90.2				
30	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.6	85.9	86.9	89.1	92.5	93.7	94.6				
20	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.8	86.6	87.7	89.8	94.3	95.7	97.5				
10	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.8	86.6	87.7	89.8	94.3	96.9	99.5				
0	26.8	39.7	42.0	60.1	66.9	67.8	73.3	79.6	80.7	84.8	86.6	87.8	90.0	94.5	97.0	100.0				

TOTAL NUMBER OF OBSERVATIONS 558

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

GLOBAL CLIMATOLOGY BRANCH
 DC-5 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1977 STATION BAUMHOLDER DL STATION NAME 74-87 MARK JAN 1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	210	200	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
21000	11.1	12.8	12.9	15.8	16.6	16.6	16.8	16.8	16.8	17.9	18.7	18.4	18.4	18.4	19.4	19.4	19.5															
21800	12.9	14.9	15.1	18.8	20.0	20.0	20.2	20.2	20.2	21.3	21.5	21.9	21.9	21.9	22.0	23.1																
21600	17.1	15.3	15.5	19.1	20.6	20.6	20.8	20.8	20.8	21.9	22.0	22.4	22.4	22.4	22.6	23.7																
21400	17.1	15.3	15.5	19.1	20.6	20.6	20.8	20.8	20.8	21.9	22.0	22.4	22.4	22.4	22.6	23.7																
21200	13.6	16.8	16.2	20.0	21.5	21.5	21.7	21.7	21.7	23.0	23.1	23.5	23.5	23.5	23.7	24.8																
21000	14.0	16.8	16.9	20.8	22.7	22.2	22.4	22.4	22.4	23.7	23.9	24.2	24.2	24.2	24.4	25.5																
20800	14.0	16.9	17.1	20.9	22.4	22.4	22.6	22.6	22.6	23.9	24.0	24.4	24.4	24.4	24.6	25.7																
20600	14.8	19.1	19.5	23.7	25.5	25.5	25.7	25.7	25.7	27.0	27.1	27.5	27.5	27.5	27.7	28.8																
20400	15.9	20.8	21.1	25.3	27.1	27.1	27.3	27.3	27.3	28.6	28.8	29.1	29.1	29.1	29.3	30.4																
20200	16.1	20.9	21.3	25.5	27.3	27.3	27.5	27.5	27.5	28.8	29.0	29.3	29.3	29.3	29.5	30.6																
20000	16.2	21.3	21.7	26.2	28.1	28.1	28.2	28.2	28.2	29.5	29.7	30.1	30.1	30.1	30.2	31.3																
19800	16.4	21.9	22.2	26.8	28.6	28.6	28.8	28.8	28.8	30.1	30.2	30.6	30.6	30.6	30.8	31.9																
19600	17.1	22.6	23.0	27.5	29.3	29.3	29.5	29.5	29.5	30.8	31.0	31.3	31.3	31.3	31.5	32.6																
19400	12.3	26.6	27.7	33.3	35.9	35.9	36.1	36.1	36.1	37.3	37.5	37.9	37.9	37.9	38.1	39.2																
19200	1.3	30.2	31.7	39.3	41.9	41.9	42.1	42.6	42.6	43.9	44.1	44.4	44.4	44.4	44.6	45.7																
19000	24.5	34.4	36.1	45.2	47.9	47.9	49.0	49.5	49.5	51.0	51.2	51.5	51.5	51.5	51.7	52.8																
18800	20.9	34.8	36.4	45.9	48.8	48.8	49.9	50.6	50.6	52.1	52.3	52.6	52.6	52.6	52.8	53.9																
18600	27.7	39.0	41.2	51.0	54.1	54.1	55.2	55.9	56.1	57.6	57.7	58.1	58.1	58.1	58.3	59.4																
18400	20.9	41.9	44.6	56.5	60.7	61.2	63.6	64.7	64.8	66.3	66.5	66.8	66.8	66.8	67.0	68.1																
18200	1.3	43.4	46.1	59.9	64.8	65.4	68.7	70.5	70.7	72.3	72.5	72.9	73.0	73.0	73.2	74.3																
18000	31.9	44.1	46.8	60.7	65.6	66.1	69.8	71.6	71.9	73.6	73.8	74.1	74.3	74.3	74.5	75.6																
17800	32.9	45.4	48.1	62.7	67.8	68.3	72.5	74.5	74.9	77.0	77.2	77.8	78.0	78.0	78.1	79.2																
17600	33.7	47.0	49.7	65.2	71.2	71.8	76.1	78.3	78.7	81.4	81.6	82.1	82.3	82.3	82.5	83.6																
17400	33.9	47.5	50.3	66.5	73.0	73.6	78.3	80.9	81.2	84.2	84.7	85.2	85.4	85.4	85.6	86.7																
17200	34.4	48.8	51.5	68.9	75.6	76.1	81.1	84.0	84.3	88.2	88.9	89.6	89.8	89.8	90.0	91.1																
17000	34.4	48.8	51.5	69.4	76.1	76.7	81.8	85.1	85.6	90.3	91.8	93.4	93.8	94.7	96.2	97.3																
16800	34.4	48.8	51.5	69.4	76.1	76.7	81.8	85.1	85.6	90.3	92.2	93.8	94.5	95.8	97.6	99.3																
16600	34.4	48.8	51.5	69.4	76.1	76.7	81.8	85.1	85.6	90.3	92.2	93.8	94.5	96.0	97.8	100.0																
16400	34.4	48.8	51.5	69.4	76.1	76.7	81.8	85.1	85.6	90.3	92.2	93.8	94.5	96.0	97.8	100.0																

TOTAL NUMBER OF OBSERVATIONS 589

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: SAUMHOLDFER DL STATE: TX YEAR: 74-83 FILE: 555

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 5609-2-69

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	
NO. CEILING 20000	1	7	15.5	17.5	21.7	22.7	22.0	23.1	23.1	23.1	23.9	23.9	25.4	26.5	27.3	27.3	28.2
18000	11.0	15.4	17.7	22.0	22.5	22.5	23.7	23.7	23.7	24.8	24.8	26.2	27.3	28.2	28.2	29.3	
16000	11.0	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9	
14000	11.0	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9	
12000	11.0	16.3	18.3	22.5	23.1	23.1	24.2	24.2	24.2	25.4	25.4	26.8	27.9	28.7	28.7	29.9	
10000	11.0	16.6	18.6	23.7	24.2	24.2	25.4	25.6	25.6	26.8	27.0	28.5	29.6	30.4	30.4	31.5	
8000	11.0	16.6	18.6	23.9	24.5	24.5	25.6	25.9	25.9	27.0	27.3	28.7	29.9	30.7	30.7	32.1	
6000	12.1	17.7	19.7	25.9	27.0	27.0	28.7	29.0	29.0	30.1	30.1	31.5	31.8	33.2	33.8	33.8	35.5
4000	12.1	18.0	20.0	26.2	27.3	27.3	29.6	30.1	30.1	31.5	31.8	33.2	34.4	35.2	35.2	36.9	
2000	12.1	18.0	20.0	26.2	27.3	27.3	29.6	30.1	30.1	31.5	31.8	33.2	34.4	35.2	35.2	36.9	
0	12.1	18.3	20.3	26.5	27.6	27.6	29.9	30.4	30.4	31.8	32.1	33.5	34.6	35.5	35.5	37.2	
100	12.7	19.2	21.1	27.9	29.0	29.0	31.3	31.6	31.6	33.2	33.5	34.9	36.1	36.9	36.9	38.6	
200	12.7	19.4	21.4	28.2	29.3	29.3	31.5	32.1	32.1	33.5	33.8	35.2	36.3	37.2	37.2	38.9	
300	13.2	21.1	23.7	30.7	31.8	31.8	34.1	34.6	34.6	36.3	36.6	38.0	39.2	40.0	40.0	42.0	
400	13.4	21.4	23.9	31.8	33.0	33.0	35.2	35.8	35.8	37.5	37.7	39.2	40.3	41.1	41.1	43.1	
500	13.2	26.2	29.9	38.9	40.3	40.3	43.7	44.5	44.5	46.2	46.5	47.9	49.2	49.9	49.9	51.8	
600	17.2	26.2	29.9	39.4	40.8	40.8	44.2	45.6	45.6	47.3	47.6	49.0	50.1	51.0	51.0	53.0	
700	17.2	28.5	32.4	42.3	44.5	44.5	48.2	49.9	49.9	52.4	52.4	52.7	54.1	55.2	56.1	58.0	
800	17.2	30.7	34.6	47.6	49.9	49.9	54.1	55.8	55.8	58.3	58.3	58.6	61.0	61.1	62.0	63.9	
900	17.2	31.1	37.2	51.4	53.0	53.0	57.5	59.2	59.2	62.0	63.1	63.4	64.8	65.9	66.8	68.7	
1000	20.7	34.1	38.3	52.1	54.6	54.6	59.2	60.8	60.8	64.8	65.1	66.5	67.6	68.5	69.5	70.4	
1200	21.4	34.1	39.2	54.9	57.7	57.7	63.1	66.2	66.2	70.4	70.4	72.1	73.2	74.1	74.1	76.1	
1400	23.1	36.6	40.4	57.2	60.4	60.4	66.5	70.7	70.7	74.8	76.1	76.3	77.7	78.9	79.7	81.7	
1600	23.1	36.6	41.4	57.7	61.4	61.4	67.6	73.5	73.5	78.9	81.3	81.4	82.8	84.2	85.4	87.3	
1800	23.1	37.2	41.7	58.0	61.7	61.7	68.2	74.4	74.4	80.4	83.4	84.5	85.9	87.3	88.5	90.4	
2000	23.1	37.2	41.7	58.0	62.0	62.0	69.0	75.2	75.2	81.9	85.1	86.5	87.9	89.6	90.7	93.0	
2200	23.1	37.2	41.7	58.0	62.0	62.0	69.0	75.2	75.2	81.9	85.9	87.6	89.6	91.3	93.2	95.5	
2400	23.1	37.2	41.7	58.0	62.0	62.0	69.0	75.2	75.2	81.9	85.9	87.6	89.6	91.3	94.4	97.2	
2600	23.1	37.2	41.7	58.0	62.0	62.0	69.0	75.2	75.2	81.9	85.9	87.6	89.6	91.3	94.4	99.7	
2800	23.1	37.2	41.7	58.0	62.0	62.0	69.0	75.2	75.2	81.9	85.9	87.6	89.6	91.3	94.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 355

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-1970 BAUMHOLDED DL STATION NAME

74-87 TIME

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2322-1100

CEILING FEET	VISIBILITY STATUTE MILES OR HUNDREDS OF METERS															
	20	20	25	24	23	22	21	20	20	21	21	21	21	21	21	21
1000	1.3	15.5	17.6	21.2	22.5	22.5	24.0	24.0	24.0	24.4	24.6	25.5	25.7	26.1	26.3	26.5
900	13.4	16.0	18.9	23.6	25.3	25.3	26.8	26.8	26.8	27.2	27.4	28.7	29.1	29.5	29.9	30.2
800	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
700	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
600	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
500	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
400	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
300	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
200	13.0	17.0	19.1	23.8	25.5	25.5	27.0	27.0	27.0	27.4	27.6	28.9	29.3	29.7	30.1	30.4
100	14.6	18.5	20.8	27.6	29.5	29.5	31.7	31.2	31.2	31.8	32.5	33.8	34.2	34.6	35.0	35.7
0	14.9	19.1	21.4	28.5	30.4	30.4	31.9	32.1	32.1	32.9	33.6	35.0	35.3	35.7	36.1	36.9
5000	14.9	19.1	21.4	28.5	30.4	30.4	31.9	32.1	32.1	32.9	33.6	35.0	35.3	35.7	36.1	36.9
4500	15.1	18.5	21.7	28.9	31.0	31.0	32.5	32.7	32.7	33.5	34.2	35.5	35.9	36.3	36.7	37.4
4000	15.3	19.7	21.9	29.1	31.2	31.2	32.7	32.9	32.9	33.6	34.4	35.9	36.3	36.7	37.1	37.8
3500	15.3	21.4	23.8	31.0	33.1	33.1	34.6	34.8	34.8	35.5	36.3	37.8	38.2	38.6	38.9	39.7
3000	17.6	23.1	25.7	33.3	35.3	35.3	37.1	37.2	37.2	38.4	39.1	40.6	41.0	41.4	42.0	42.7
2500	17.6	24.2	26.8	35.0	37.1	37.1	39.3	39.5	39.5	40.8	41.6	43.1	43.5	43.9	44.4	45.2
2000	22.7	29.7	32.9	42.5	44.6	44.6	48.7	48.2	48.2	49.5	50.3	51.8	52.2	52.7	53.5	54.3
1500	22.7	29.9	33.1	43.1	45.4	45.4	48.8	49.0	49.0	50.3	51.0	52.6	52.9	53.5	54.3	55.0
1000	24.4	32.9	36.9	47.4	50.1	50.1	53.7	53.9	53.9	55.2	56.0	57.5	57.8	58.4	59.2	59.9
500	25.3	34.4	38.4	50.7	54.6	54.6	58.2	58.4	58.4	60.1	60.9	62.4	62.8	63.3	64.1	64.8
0	25.3	35.5	39.5	52.2	56.7	56.7	60.5	61.1	61.1	63.1	63.9	65.4	65.8	66.4	67.3	68.1
5000	25.7	36.1	40.1	53.1	57.7	57.7	61.4	62.0	62.0	64.1	64.8	66.4	66.7	67.3	68.2	69.0
4500	27.0	38.0	42.0	55.6	60.3	60.3	63.3	63.8	63.8	66.9	67.4	70.3	71.8	72.2	73.0	73.9
4000	27.7	39.9	43.9	56.4	61.3	61.3	64.8	65.3	65.3	68.9	69.4	72.3	73.8	74.2	75.0	75.9
3500	27.7	39.9	43.9	58.4	64.1	64.1	67.8	68.3	68.3	71.9	72.4	75.3	76.8	77.2	78.0	78.9
3000	27.9	40.6	44.6	59.5	65.4	65.4	69.3	69.8	69.8	73.9	74.4	77.3	78.8	79.2	80.0	80.9
2500	27.9	40.6	44.6	59.7	65.8	65.8	69.7	70.2	70.2	74.3	74.8	77.7	79.2	79.6	80.4	81.3
2000	27.9	40.6	44.6	59.7	65.8	65.8	69.7	70.2	70.2	74.3	74.8	77.7	79.2	79.6	80.4	81.3
1500	27.9	40.6	44.6	59.7	65.8	65.8	69.7	70.2	70.2	74.3	74.8	77.7	79.2	79.6	80.4	81.3
1000	27.9	40.6	44.6	59.7	65.8	65.8	69.7	70.2	70.2	74.3	74.8	77.7	79.2	79.6	80.4	81.3
0	27.9	40.6	44.6	59.7	65.8	65.8	69.7	70.2	70.2	74.3	74.8	77.7	79.2	79.6	80.4	81.3

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4120

LAUMHOLDEP DL

74-27

555

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY IN STATUTE MILES OR (HUNDREDS OF METERS)															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	13.7	23.9	24.5	29.5	31.4	31.4	31.4	32.0	32.6	32.8	33.7	33.7	33.7	34.3	34.3	34.3
18000	16.1	24.5	25.1	30.1	32.0	32.0	32.0	32.6	32.8	33.7	33.7	33.7	34.3	34.3	34.3	34.3
16000	16.1	24.5	25.1	30.1	32.0	32.0	32.0	32.6	32.8	33.7	33.7	33.7	34.3	34.3	34.3	34.3
14000	16.1	24.5	25.1	30.1	32.0	32.0	32.0	32.6	32.8	33.7	33.7	33.7	34.3	34.3	34.3	34.3
12000	16.1	24.7	25.2	30.3	32.2	32.2	32.2	32.8	32.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
10000	16.1	24.7	25.2	30.3	32.2	32.2	32.2	32.8	32.9	33.9	33.9	33.9	34.5	35.1	35.1	35.1
8000	17.0	26.6	27.2	32.6	35.1	35.1	35.1	36.2	36.4	37.4	37.4	37.4	38.7	38.5	38.5	38.5
6000	17.0	27.4	27.9	33.9	36.4	36.4	36.4	37.6	37.8	38.7	38.7	38.7	39.3	39.9	39.9	39.9
4000	17.0	27.4	27.9	33.9	36.4	36.4	36.4	37.6	37.8	38.7	38.7	38.7	39.3	39.9	39.9	39.9
2000	17.0	27.4	27.9	33.9	36.4	36.4	36.4	37.6	37.8	38.7	38.7	38.7	39.3	39.9	39.9	39.9
1000	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
500	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
200	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
100	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
50	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
25	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
15	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
10	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
5	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
2.5	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
1.5	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
1	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.5	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.25	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.1	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.05	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.025	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.01	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.005	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.0025	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.001	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.0005	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.00025	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.0001	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.00005	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.000025	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
0.00001	20.2	27.7	28.5	34.5	37.0	37.0	37.0	38.2	38.3	39.5	39.5	39.5	40.1	40.7	40.7	40.7
TOTAL	34.5	52.6	54.9	70.1	75.3	75.5	78.8	84.4	85.4	92.3	92.7	94.4	95.6	98.3	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 519

CEILING CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1137 LA MOULDER DL STATION NAME

74-87

512

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

VISIBILITY (HUNDREDS OF METERS)	CEILING (HUNDREDS OF METERS)															
	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
20	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
22	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
24	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
26	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
28	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
30	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
32	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
34	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
36	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
38	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
40	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
42	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
44	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
46	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
48	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
50	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
52	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
54	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
56	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
58	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
60	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
62	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
64	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
66	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
68	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
70	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
72	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
74	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
76	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
78	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
80	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
82	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
84	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
86	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
88	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
90	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
92	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
94	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
96	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
98	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
100	21.7	22.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3

TOTAL NUMBER OF OBSERVATIONS 480

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

CEILING VERSUS VISIBILITY

1974 A.M. 010101 01

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

440-1404

CEILING (HUNDREDS OF METERS)

CEILING	GE0	GE2	GE4	GE6	GE8	GE10	GE12	GE14	GE16	GE18	GE20	GE25	GE30	GE35	GE40
0	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
4	15.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
6	15.2	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
8	14.6	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
10	14.1	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
12	13.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
14	12.9	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16	12.4	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
18	11.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
20	11.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
25	10.7	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
30	10.2	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
35	9.6	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
40	9.1	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
45	8.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
50	8.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
55	7.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
60	6.9	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
65	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70	5.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
75	5.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80	4.7	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85	4.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
90	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
100	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
105	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
110	1.4	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
115	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
120	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 420

CEILING CLIMATOLOGY BRANCH
 AF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11127 FAIRMORDE DL STATION NAME

74-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

4897-1170

CEILING FEET	VISIBILITY STATISTICS OR IN HUNDREDS OF METERS															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10.0	18.7	15.7	19.5	20.3	20.3	21.1	21.6	21.6	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3
11.1	18.2	18.3	20.1	24.5	24.5	25.7	26.3	26.5	27.7	27.7	27.9	27.9	28.2	28.2	28.4	28.4
12.2	19.1	19.1	23.9	25.7	25.3	26.5	27.1	27.3	28.5	28.7	29.7	29.7	29.7	29.7	29.7	29.7
13.3	19.0	19.1	23.9	25.3	25.3	26.5	27.1	27.3	28.5	28.7	29.7	29.7	29.7	29.7	29.7	29.7
14.4	19.1	19.3	24.0	25.4	25.4	26.7	27.3	27.4	28.7	28.8	29.8	29.8	29.8	29.8	29.8	29.8
15.5	19.4	19.6	24.5	25.9	25.9	27.1	27.7	27.9	29.1	29.3	29.3	29.3	29.6	29.6	29.7	29.7
16.6	20.6	21.0	27.1	28.8	28.8	30.2	30.8	31.0	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.6
17.7	21.7	22.0	28.4	30.0	30.0	31.4	32.0	32.7	34.1	34.2	34.2	34.2	34.5	34.5	34.5	34.5
18.8	23.1	23.4	31.1	33.1	33.1	34.7	35.6	35.9	37.3	37.4	37.4	37.4	37.8	37.8	37.8	37.8
19.9	24.8	25.3	33.1	35.1	35.1	36.5	37.9	38.4	39.8	39.8	39.8	39.8	40.2	40.2	40.2	40.2
21.0	24.8	25.7	33.1	35.1	35.1	36.9	37.9	38.4	39.9	40.1	40.1	40.1	40.4	40.4	40.4	40.4
22.1	25.1	25.6	33.6	35.6	35.6	37.3	38.4	38.8	40.4	40.5	40.5	40.5	40.8	40.8	40.8	40.8
23.2	25.3	25.7	34.1	36.1	36.1	37.8	39.3	39.8	41.3	41.3	41.3	41.3	41.8	41.8	41.8	41.8
24.3	26.1	26.5	35.3	37.9	37.9	39.6	41.1	41.6	43.1	43.5	43.5	43.5	43.8	43.8	43.8	43.8
25.4	27.3	28.2	37.9	40.5	40.5	42.4	44.5	45.0	47.1	47.5	47.5	47.5	47.8	47.8	47.8	47.8
26.5	28.5	28.4	39.4	42.7	42.7	44.7	46.8	47.3	49.6	50.1	50.1	50.1	50.4	50.4	50.4	50.4
27.6	31.1	31.0	43.5	46.7	46.7	49.2	51.9	52.4	55.0	55.3	55.3	55.3	55.8	55.8	55.8	55.8
28.7	31.0	32.5	44.2	47.6	47.6	51.1	53.2	53.6	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.7
29.8	33.6	36.4	49.2	52.9	52.9	56.4	59.6	59.2	61.8	62.1	62.1	62.1	62.4	62.4	62.4	62.4
30.9	34.4	39.9	54.1	58.0	58.0	63.0	65.2	65.8	68.7	69.0	69.0	69.0	69.5	69.5	69.5	69.5
32.0	42.4	44.5	59.3	64.9	64.9	69.3	71.6	72.3	75.2	75.5	75.5	75.5	76.0	76.0	76.0	76.0
33.1	43.0	45.1	60.9	66.4	66.4	71.0	73.7	74.4	77.5	77.8	77.8	77.8	78.3	78.3	78.3	78.3
34.2	44.5	46.7	63.1	69.9	69.9	73.5	76.0	77.3	80.6	80.9	80.9	80.9	81.4	81.4	81.4	81.4
35.3	45.9	48.1	65.2	72.6	72.6	77.8	80.9	82.0	85.4	85.7	85.7	85.7	86.1	86.1	86.1	86.1
36.4	48.1	48.2	65.9	74.0	74.0	79.7	83.2	84.3	87.7	88.1	88.1	88.1	88.6	88.6	88.6	88.6
37.5	48.1	48.7	66.3	74.6	74.6	80.7	84.4	85.5	89.8	90.8	90.8	90.8	91.1	91.1	91.1	91.1
38.6	48.1	48.2	66.3	74.6	74.6	81.1	85.7	86.9	92.3	93.2	93.2	93.2	93.5	93.5	93.5	93.5
39.7	48.1	48.7	66.3	74.6	74.6	81.2	85.8	87.4	93.2	94.3	94.3	94.3	94.6	94.6	94.6	94.6
40.8	48.1	48.7	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.5	94.5	94.9	94.9	94.9	94.9
41.9	48.1	48.7	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.5	94.5	94.9	94.9	94.9	94.9
43.0	48.1	48.2	66.3	74.7	74.7	81.4	86.0	87.5	93.4	94.5	94.5	94.5	94.9	94.9	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS 649

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: BAUMHOLDER DL STATION NAME: 74-87 DATE: MAR 1960

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1220-1400

CEILING (FEET)	VISIBILITY STATEMENTS															
	OR (HUNDREDS OF METERS)															
17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2

TOTAL NUMBER OF OBSERVATIONS 644

GENERAL CLIMATOLOGY BRANCH
 MET
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1059 CAUMHOLDER DL STATION NAME

74-87

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

ELEVATION FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	20	26	28	24	28	22	22	22	24	22	24	22	24	22	24	22	24	22	24	22
100	17.4	24.0	24.0	27.8	29.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
200	23.5	27.6	29.6	34.2	35.0	35.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
300	24.3	30.7	30.7	35.2	36.0	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
400	24.3	30.7	30.7	35.2	36.0	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
500	24.5	30.8	30.8	35.3	36.2	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
600	27.1	33.2	33.2	38.7	39.9	39.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
700	26.1	34.7	34.7	40.2	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
800	27.1	37.9	37.9	44.2	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
900	30.3	39.4	39.4	46.1	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
1000	30.1	39.9	39.9	46.6	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
1100	31.1	40.0	40.0	46.7	47.9	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
1200	31.3	40.5	40.5	47.2	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
1300	32.5	42.0	42.0	48.7	50.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
1400	34.7	44.2	44.2	51.0	52.9	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
1500	37.9	50.9	50.9	60.5	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
1600	42.2	53.3	53.6	63.7	65.7	66.2	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
1700	42.5	53.6	53.9	65.0	68.0	68.5	69.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
1800	42.7	54.1	54.4	65.5	68.5	69.0	70.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
1900	47.4	61.0	61.5	73.9	77.1	77.6	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2000	50.7	65.5	65.7	78.4	81.6	82.1	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2100	52.0	68.7	69.3	82.1	85.3	85.8	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2200	3.4	67.7	70.4	83.4	86.6	87.1	89.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2300	3.4	70.2	71.0	84.3	87.6	88.1	90.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2400	53.7	70.7	71.5	85.8	89.1	89.6	92.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2500	54.3	71.2	72.0	86.9	90.3	90.8	93.8	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
2600	54.3	71.2	72.0	86.9	90.3	90.8	94.1	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
2700	54.3	71.2	72.0	86.9	90.3	90.8	94.1	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
2800	54.3	71.2	72.0	86.9	90.3	90.8	94.1	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

TOTAL NUMBER OF OBSERVATIONS 597

GENERAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1974
 STATION

EAUMHOLDEP DL
 STATION NAME

74-87
 YEAR

APP
 SOURCE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6530-6600

CEILING (FEET)	VISIBILITY (STATUTE MILES OR (HUNDREDS OF METERS))																			
	20	20	20	24	24	24	27	27	27	21	21	21	21	25	25	25	21	21	21	21
1000	28.5	29.5	33.4	34.9	34.9	36.6	37.1	37.6	39.1	39.1	39.1	39.1	39.1	39.6	39.9	40.3				
800	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
600	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
400	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
200	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
100	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
50	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
30	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
15	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
10	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
5	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
3	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
2	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
1	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				
0	31.2	32.9	37.6	39.1	39.1	41.1	41.8	42.3	43.8	43.8	43.8	43.8	43.8	44.3	44.8	45.5				

TOTAL NUMBER OF OBSERVATIONS 404

GENERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1970 CAUMHOLDER DL 74-67 APR 6900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															OR (HUNDREDS OF METERS)														
	210	200	25	24	23	22	21	20	20	21	21	21	21	25/10	24	20														
	GE90	GE90	GE60	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE12	GE12	GE18	GE15	GE14	GE0													
20000	26.7	34.2	34.5	38.4	41.6	47.6	41.1	41.9	41.9	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2													
2000	26.2	37.5	38.1	42.6	44.7	44.7	45.2	46.1	46.0	46.2	46.2	46.2	46.2	46.4	46.4	46.4	46.4													
2000	26.2	37.6	38.1	42.7	44.9	44.9	45.4	46.2	46.2	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5													
2000	26.2	37.6	38.1	42.7	44.9	44.9	45.4	46.2	46.2	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5													
2000	26.5	38.0	38.4	43.1	45.2	45.2	45.7	46.5	46.5	46.7	46.7	46.7	46.7	46.9	46.9	46.9	46.9													
2000	30.4	38.8	39.3	43.9	46.0	46.0	46.5	47.4	47.4	47.5	47.5	47.5	47.5	47.7	47.7	47.7	47.7													
2000	31.5	41.8	41.3	45.9	48.3	48.3	49.0	50.2	50.2	50.3	50.3	50.3	50.3	50.5	50.5	50.5	50.5													
2000	32.8	42.4	42.9	48.1	50.5	50.5	51.2	52.3	52.3	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6													
2000	33.7	43.6	44.2	50.3	53.0	53.0	53.8	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.3													
2000	37.1	45.4	46.2	52.3	55.0	55.3	56.3	57.6	57.6	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9													
2000	37.1	45.9	46.9	53.0	55.6	55.9	56.9	58.3	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6													
2000	35.4	46.2	47.2	53.6	56.3	56.6	57.6	58.9	58.9	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2													
2000	37.1	47.7	48.7	55.6	58.3	58.6	59.6	60.9	60.9	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2													
2000	37.4	49.7	50.7	57.6	60.6	60.9	61.9	63.4	63.4	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7													
2000	43.4	55.9	56.9	65.0	68.0	68.3	69.3	70.8	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1													
2000	44.4	57.3	58.3	66.6	69.8	70.1	71.1	72.6	72.6	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.1													
2000	43.4	59.7	60.9	70.0	73.4	73.8	75.1	76.7	76.7	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2													
2000	46.4	59.7	60.9	70.0	73.6	73.9	75.2	76.9	76.9	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4													
2000	47.3	62.9	64.2	73.6	77.2	77.6	79.4	81.0	81.0	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5													
2000	51.0	65.5	67.2	77.6	81.2	81.5	83.5	85.6	85.9	86.1	86.3	86.3	86.3	86.8	87.0	87.0	87.0													
2000	37.1	67.0	68.8	79.9	83.7	84.0	86.0	88.1	88.3	88.6	88.8	88.8	88.8	89.3	89.4	89.4	89.4													
2000	37.1	67.8	69.6	81.2	85.3	85.6	88.1	90.3	90.6	90.9	91.1	91.1	91.1	91.6	91.7	91.7	91.7													
2000	37.6	68.6	70.6	82.8	87.5	87.8	90.9	93.1	93.4	93.9	94.1	94.1	94.1	94.6	94.7	94.7	94.7													
2000	53.2	68.8	71.0	83.3	88.3	88.6	91.9	94.1	94.4	94.9	95.0	95.0	95.0	95.5	95.7	95.7	95.7													
2000	64.0	69.0	71.1	83.7	88.6	88.9	92.4	94.6	94.9	95.4	95.5	95.5	95.5	96.0	96.2	96.2	96.2													
2000	47.0	69.0	71.1	83.7	88.6	88.9	92.7	95.5	95.9	96.5	96.7	96.7	96.7	97.4	97.5	97.5	97.5													
2000	47.0	69.0	71.1	83.7	88.6	88.9	92.7	96.2	96.5	97.5	97.7	97.7	97.7	98.3	98.5	98.5	98.5													
2000	47.0	69.0	71.1	83.7	88.6	88.9	92.7	96.2	96.5	97.7	97.9	97.9	97.9	98.5	98.7	98.7	98.7													
2000	47.0	69.0	71.1	83.7	88.6	88.9	92.7	96.2	96.5	97.7	97.9	97.9	97.9	98.5	99.0	99.5	100.0													
2000	47.0	69.0	71.1	83.7	88.6	88.9	92.7	96.2	96.5	97.7	97.9	97.9	97.9	98.5	99.0	99.5	100.0													
2000	64.0	69.0	71.1	83.7	88.6	88.9	92.7	96.2	96.5	97.7	97.9	97.9	97.9	98.5	99.0	99.5	100.0													

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1819 BAUMHOLDER DL STATION NAME

74-83 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES														OR (HUNDREDS OF METERS)		
	210	26	25	24	23	22	22	21	21	21	21	21	21	21	21	21	21
NO CEILING	37.0	34.1	34.3	36.4	37.6	37.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
20000	33.3	37.4	37.6	4.4	41.6	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
18000	33.3	37.6	37.7	40.6	41.7	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
16000	33.3	37.6	37.7	40.6	41.7	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
14000	34.3	38.1	38.2	41.1	42.2	42.2	43.1	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
12000	35.1	39.1	39.2	42.1	43.2	43.2	44.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
10000	36.3	40.9	41.1	43.9	45.2	45.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
8000	40.1	45.2	45.4	48.3	50.0	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
6000	41.7	46.9	47.2	50.3	52.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
4000	42.7	48.2	48.5	51.7	53.3	53.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
2000	44.7	50.2	50.5	54.1	56.0	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
1000	46.1	52.3	52.6	56.6	58.4	58.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
500	57.1	67.1	67.5	74.1	76.0	76.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
300	63.9	73.1	73.5	80.6	82.6	82.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
100	66.4	77.3	78.1	85.9	87.9	87.9	89.6	89.7	89.7	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1
50	68.4	79.0	79.6	87.9	89.9	89.9	91.6	91.7	91.7	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1
25	68.7	79.6	80.3	89.1	91.1	91.1	92.7	92.9	92.9	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4
15	69.7	80.6	81.3	90.2	92.9	92.9	94.5	95.0	95.0	95.5	95.5	95.7	95.9	96.0	96.0	96.0	96.0
10	70.0	80.8	81.5	90.7	93.4	93.4	95.0	95.5	95.5	96.0	96.0	96.5	96.5	96.7	96.7	96.7	96.7
5	69.3	80.8	81.5	90.7	93.4	93.4	95.4	96.2	96.2	97.0	97.0	97.4	97.5	97.7	97.7	97.7	97.7
3	69.0	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.0	97.8	97.8	98.2	98.3	98.5	98.5	98.5	98.5
2	69.0	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.0	97.8	97.8	98.2	98.3	98.5	98.5	98.5	98.5
1	69.0	80.8	81.5	90.7	93.4	93.4	95.9	96.7	97.0	97.8	97.8	98.2	98.3	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 609

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

190 BALMHOEDER DL
74-83
APP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)											
	>10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
3000	34.4	40.1	42.1	42.8	43.7	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2800	34.7	40.7	40.7	43.4	43.6	43.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2600	35.1	41.1	41.1	43.6	44.7	44.7	44.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
2400	35.7	41.8	41.8	44.5	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2200	36.0	44.1	44.1	46.8	47.4	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2000	39.6	44.7	44.7	47.4	48.7	48.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
1800	41.5	47.8	47.8	51.7	51.2	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1600	43.7	49.3	49.3	52.2	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1400	45.7	50.5	50.5	53.4	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
1200	45.7	53.7	53.7	56.2	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
1000	47.5	57.8	57.8	61.6	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
800	47.5	64.3	64.3	69.9	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
600	50.4	66.8	66.8	72.4	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
400	53.9	72.2	72.4	78.3	78.9	78.9	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
200	60.8	74.1	74.3	80.4	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
000	64.7	79.7	79.8	86.2	86.8	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1000	66.2	82.7	82.9	89.3	89.8	89.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
2000	67.7	84.5	84.6	91.2	91.7	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
3000	68.3	84.8	85.1	92.1	92.9	92.9	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
4000	68.3	85.4	85.6	93.1	94.7	94.7	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
5000	68.3	85.6	85.8	93.3	94.2	94.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
6000	68.3	85.6	85.8	93.3	94.4	94.4	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
7000	68.3	85.6	85.8	93.3	94.6	94.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
8000	68.3	85.6	85.8	93.3	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
9000	68.3	85.6	85.8	93.3	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
10000	68.3	85.6	85.8	93.3	94.6	94.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 521

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1197 SAUMHOLDER DL

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0800

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)						
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2			
	GE9	GE9	GE8	GE6	GE4	GE4	GE3	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2		
20000	27.9	34.8	35.5	36.5	37.1	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	
18000	32.0	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
16000	32.2	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
14000	32.2	39.6	40.4	42.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
12000	32.5	40.4	41.1	43.7	44.2	44.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
10000	33.0	40.4	41.6	44.7	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
8000	34.8	42.6	43.4	46.4	47.0	47.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
6000	37.5	45.4	46.2	49.7	50.5	50.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
4000	38.6	48.2	49.5	53.6	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
2000	39.1	48.7	50.0	54.1	54.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
1000	41.9	52.1	53.3	57.6	58.4	58.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
500	47.2	58.9	60.0	66.8	67.5	67.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
250	51.0	62.7	64.2	71.8	72.6	72.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
100	51.7	64.5	66.7	74.9	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
50	51.7	65.5	67.5	76.6	77.9	77.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
25	52.0	65.7	67.8	77.4	78.9	78.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
15	52.5	66.5	68.5	78.7	80.5	80.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
10	52.8	67.0	69.0	79.7	82.0	82.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
7	52.8	67.3	69.3	80.5	83.5	83.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
5	52.8	67.3	69.3	80.5	83.5	83.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
3	52.8	67.3	69.3	80.5	83.5	83.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2	52.8	67.3	69.3	80.5	83.5	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1	52.8	67.3	69.3	80.5	83.5	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 394

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14197 SAUMHOLDER DL STATION NAME

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATISTICS																				
	OR (HUNDREDS OF METERS)																				
	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
0	39.4	39.4	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
10	44.1	44.1	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
20	44.7	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
30	45.1	45.1	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
40	47.1	47.1	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
50	50.4	50.4	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
60	51.2	51.2	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
70	56.1	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
80	59.1	59.1	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
90	61.2	61.2	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
100	63.4	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
120	67.3	67.3	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
140	73.4	73.4	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
160	77.8	77.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
180	82.5	82.5	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
200	83.1	83.1	83.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
220	85.8	85.8	87.1	87.8	87.8	87.8	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
240	88.0	88.0	88.2	90.0	90.9	90.9	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	91.3	91.3
260	88.2	88.2	88.4	90.4	91.7	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
280	89.8	89.8	90.7	93.5	94.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
300	91.5	91.5	91.7	95.1	96.3	96.3	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
320	92.1	92.1	92.3	95.7	97.0	97.0	97.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
340	92.1	92.1	92.3	95.7	97.0	97.0	97.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
360	92.3	92.3	92.5	96.1	97.4	97.4	97.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
380	92.3	92.3	92.5	96.1	97.4	97.4	97.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	92.3	92.3	92.5	96.1	97.4	97.4	97.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 492

CENTRAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14197 BAUMHOLDER DL

73-67

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

14197-0000

CEILING FEET	VISIBILITY STATISTICS OR HUNDREDS OF METERS															
	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110
100	26.7	36.0	36.5	38.2	39.2	39.7	40.4	40.9	40.9	41.4	41.4	41.6	41.6	41.6	41.6	41.9
120	26.8	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
140	27.6	38.9	39.4	41.6	42.6	43.1	43.8	44.6	44.6	45.1	45.3	45.6	45.6	45.6	45.6	45.8
160	27.8	39.2	39.7	41.9	42.9	43.3	44.1	44.8	44.8	45.3	45.6	45.8	45.8	45.8	45.8	46.1
180	29.3	39.9	40.4	42.6	43.8	44.3	45.1	45.8	45.8	46.3	46.6	46.8	46.8	46.8	46.8	47.0
200	30.3	41.4	41.7	44.1	45.3	45.6	46.6	47.3	47.3	47.8	48.1	48.3	48.3	48.3	48.3	48.5
220	31.9	41.9	43.3	45.8	47.0	47.5	48.3	49.0	49.0	49.5	49.8	50.0	50.0	50.0	50.0	50.2
240	32.0	47.3	47.8	51.2	51.5	52.0	52.7	53.4	53.4	53.9	54.2	54.4	54.4	54.4	54.4	54.7
260	34.1	47.8	51.2	52.7	54.2	54.7	55.4	56.2	56.2	56.7	56.9	57.1	57.1	57.1	57.1	57.4
280	34.0	46.8	51.2	52.7	54.2	54.7	55.4	56.2	56.2	56.7	56.9	57.1	57.1	57.1	57.1	57.4
300	34.2	50.2	50.7	53.2	54.7	55.2	55.9	56.7	56.7	57.4	57.6	58.1	58.1	58.1	58.1	58.4
320	34.5	51.0	51.5	53.9	55.4	55.9	56.7	57.4	57.4	58.1	58.4	58.9	58.9	58.9	58.9	59.1
340	34.2	52.1	52.5	54.9	56.4	56.9	57.6	58.4	58.4	59.1	59.4	59.9	59.9	59.9	59.9	60.1
360	34.5	53.7	54.2	56.9	58.4	58.9	60.1	60.8	60.8	61.8	61.8	62.3	62.3	62.3	62.3	62.6
380	41.1	59.7	60.3	63.3	64.8	65.3	66.5	67.2	67.2	68.2	68.7	69.2	69.2	69.2	69.2	69.5
400	41.4	60.3	61.1	64.0	65.8	66.3	67.7	68.5	68.5	69.5	69.5	70.7	70.7	70.7	70.7	70.7
420	43.4	64.5	65.5	70.0	71.9	72.4	73.9	74.6	74.6	75.6	76.1	76.6	76.6	76.6	76.6	76.8
440	43.6	64.8	65.8	71.7	73.2	73.8	75.6	76.4	76.4	77.3	77.8	78.3	78.3	78.3	78.3	78.6
460	44.1	66.7	67.7	72.9	75.4	75.9	78.1	78.8	78.8	80.0	80.5	81.0	81.0	81.0	81.0	81.3
480	44.1	69.7	70.7	75.1	78.1	78.6	80.8	82.0	82.0	83.3	83.7	84.2	84.2	84.2	84.2	84.5
500	44.6	70.9	71.9	76.3	81.3	81.8	84.7	85.2	85.2	86.5	86.9	87.7	87.7	87.7	87.7	87.9
520	47.1	71.7	72.7	79.1	82.0	82.5	84.7	86.0	86.0	87.2	87.7	88.4	88.4	88.4	88.4	88.7
540	47.8	73.4	74.4	82.3	85.2	85.7	88.9	90.1	90.1	91.4	91.9	92.6	92.6	92.6	92.6	92.9
560	47.8	74.1	75.1	83.1	86.0	86.7	91.1	92.6	92.6	94.1	94.6	95.3	95.3	95.3	95.3	95.6
580	48.3	74.6	75.6	83.7	86.7	87.4	91.9	93.6	93.6	95.3	95.8	96.6	96.6	96.6	96.6	96.8
600	48.3	74.6	75.6	84.0	86.9	87.7	92.1	93.8	94.3	95.8	96.3	97.0	97.0	97.0	97.0	97.3
620	48.3	74.6	75.6	84.0	86.9	87.7	92.9	95.1	95.6	97.3	97.8	98.5	98.5	98.5	98.5	98.8
640	48.3	74.6	75.6	84.0	86.9	87.7	92.9	95.1	95.6	98.0	98.5	99.3	99.3	99.3	99.3	99.5
660	48.3	74.6	75.6	84.0	86.9	87.7	92.9	95.1	95.6	98.0	98.5	99.3	99.3	99.3	99.3	99.5
680	48.3	74.6	75.6	84.0	86.9	87.7	92.9	95.1	95.6	98.0	98.5	99.3	99.3	99.3	99.3	99.5
700	48.3	74.6	75.6	84.0	86.9	87.7	92.9	95.1	95.6	98.0	98.5	99.3	99.3	99.3	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 426

GENERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. BAUMHOLDER DL

DATE 7-2-67

FORM 1110

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

FORM 1110

	CEILING (HUNDREDS OF METERS)															
	019	020	025	030	035	040	045	050	055	060	065	070	075	080	085	090
0	37.8	37.8	37.8	38.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
1	40.8	40.8	40.8	41.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2	41.8	41.8	41.8	41.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
3	41.8	41.8	41.8	41.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
4	41.8	41.8	41.8	41.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
5	44.2	44.2	44.2	45.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
6	46.0	46.0	46.0	47.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
7	51.4	51.4	51.4	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
8	52.5	52.5	52.5	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
9	53.4	53.4	53.4	55.0	56.8	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
10	57.1	57.1	57.1	58.6	61.4	61.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
11	59.1	59.1	61.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
12	67.9	67.9	69.9	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
13	70.5	70.5	72.7	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
14	73.5	73.5	77.9	77.9	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
15	73.8	74.1	76.1	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
16	76.1	77.1	81.2	84.7	84.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
17	78.7	79.7	84.7	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
18	81.8	82.2	87.1	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
19	81.8	83.0	87.9	91.7	91.3	92.0	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
20	82.3	83.5	88.7	92.7	92.3	93.8	94.1	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
21	82.8	84.1	91.3	94.1	94.1	96.2	96.7	96.9	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
22	83.3	84.5	91.2	94.9	94.9	97.5	98.1	98.2	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
23	83.3	84.6	91.2	94.9	94.9	97.9	98.4	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
24	83.3	84.6	91.2	94.9	94.9	98.0	98.7	98.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
25	83.3	84.6	91.2	94.9	94.9	98.1	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26	83.3	84.6	91.2	94.9	94.9	98.1	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27	83.3	84.6	91.2	94.9	94.9	98.1	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE
METEOROLOGICAL BRANCH
ETAC
U.S. WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION: MEMPHIS DL 7-60

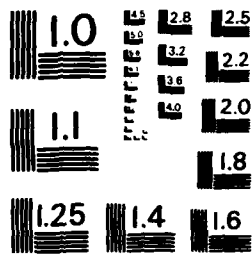
DATE: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1957-1960

VISIBILITY (FEET)	CEILING (FEET)															
	0	10	20	30	40	50	60	70	80	90	100	120	150	200	300	500
0	17.1	33.8	37.7	34.3	34.4	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
10	31.1	32.2	32.2	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
20	32.1	32.7	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
30	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
40	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
50	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
60	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
70	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
80	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
90	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
100	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
120	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
150	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
200	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
300	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
500	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
700	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
900	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
1000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
1200	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
1500	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
2000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
3000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
5000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
7000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
9000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
10000	32.1	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5

TOTAL NUMBER OF OBSERVATIONS _____



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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 STATION BAUMHOLDER DL

73-82 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1519-1700 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 GT9	≥8 EQ90	≥5 GF80	≥4 GF60	≥3 GF48	≥2.5 GF40	≥2 GF32	≥1.5 GF24	≥1 GF20	≥0.75 GF16	≥0.5 GF12	≥0.3 GF10	≥0.25 GF08	≥0.2 GF05	≥0.15 GF04	≥0.1 GF03
NO CEILING	29.4	36.1	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IN 18000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IN 16000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IN 14000	37.5	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IN 12000	37.8	46.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IN 10000	39.9	48.3	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IN 9000	47.1	48.5	48.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IN 8000	46.4	57.3	57.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 7000	51.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IN 6000	51.3	62.5	62.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN 5000	52.4	63.7	63.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 4500	53.4	64.8	64.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IN 4000	56.4	68.7	68.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IN 3500	59.2	72.5	72.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IN 3000	66.1	82.0	82.0	83.9	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IN 2500	67.4	83.5	83.5	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 2000	69.1	86.3	86.3	89.7	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IN 1800	69.1	86.5	86.5	90.4	90.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IN 1500	73.1	91.4	91.4	95.3	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 1200	74.2	93.3	93.4	97.9	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 1000	74.2	93.3	93.4	97.9	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 900	74.5	93.8	94.0	98.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 800	74.7	94.2	94.2	98.7	99.1	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 700	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	74.7	94.0	94.2	98.7	99.1	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 190 BAUMHOLDER DL

73-87

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GF9	≥6 FC90	≥5 GF80	≥4 GF60	≥3 GF48	≥2.5 GF40	≥2 GF32	≥1.5 GF24	≥1 GF20	≥1 GF16	≥.5 GF12	≥.5 GF10	≥.5 GF08	≥.5 GF05	≥.5 GF04	≥0
NO CEILING	1.3	35.7	36.7	37.7	38.4	38.4	38.9	39.1	39.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	25.2	41.8	42.8	43.8	44.5	44.5	45.0	45.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	25.7	42.3	43.3	44.5	45.2	45.2	45.7	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 10000	27.6	44.3	45.2	46.5	47.2	47.2	47.7	47.9	47.9	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 9000	28.9	46.5	47.4	49.4	50.1	50.1	50.6	50.9	50.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 8000	30.8	48.7	50.1	52.6	53.5	53.5	54.0	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	33.7	51.3	52.8	55.5	56.7	56.7	57.7	57.9	57.9	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 6000	33.0	51.3	52.8	55.5	56.7	56.7	57.7	57.9	57.9	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 5000	34.0	52.6	54.0	56.7	57.9	57.9	58.9	59.2	59.2	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 4500	34.7	53.5	55.0	57.7	58.9	58.9	59.9	60.1	60.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	37.2	56.1	57.7	60.9	62.1	62.1	63.1	63.6	63.6	64.3	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500	37.9	57.2	58.9	62.3	63.6	63.6	64.5	65.0	65.0	65.8	66.0	66.0	66.0	66.0	66.0	66.0
IV 3000	40.6	60.9	62.8	68.0	69.2	69.2	70.7	71.6	71.6	72.4	72.6	72.6	72.6	72.6	72.6	72.6
IV 2500	42.5	64.1	66.0	71.1	72.6	72.6	74.1	75.1	75.1	75.8	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	43.7	65.3	67.5	72.6	74.1	74.1	75.6	76.5	76.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800	43.5	66.3	68.5	73.6	75.1	75.1	76.5	77.5	77.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	44.3	67.7	70.2	77.3	79.2	79.2	80.7	81.7	81.7	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	46.2	71.1	73.6	80.7	82.9	82.9	84.6	85.6	85.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	47.4	73.8	76.3	84.4	86.6	86.6	89.0	90.0	90.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4
IV 900	47.7	74.3	76.8	84.8	87.3	87.3	90.0	91.0	91.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4
IV 800	48.2	75.6	78.7	86.8	89.2	89.2	92.2	93.2	93.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	48.7	76.3	79.7	88.0	90.5	90.5	93.9	94.9	94.9	96.1	96.3	96.6	96.6	96.6	96.6	96.6
IV 600	48.9	76.8	79.5	88.5	91.0	91.4	95.1	96.3	96.3	97.6	97.8	98.0	98.0	98.0	98.0	98.0
IV 500	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.5
IV 400	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.5
IV 300	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.8
IV 200	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	99.8
IV 100	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	100.0
IV 0	48.9	76.8	79.5	88.8	91.2	91.7	95.8	97.6	97.6	99.0	99.3	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 409

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190 BAUMHOLDER DL STATION NAME

73-82 YEARS

1944

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05
	GT9	EQ9D	GF8D	GF6D	GF4B	GF4C	GF3Z	GF24	GF2C	GF16	GF12	GF1D	GF0B	GF0S	GF0A	GF0
NO CEILING	25.9	36.0	36.6	38.1	38.4	38.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	29.9	40.1	40.7	42.3	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 18000	29.6	40.2	40.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	29.6	40.2	40.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 14000	29.8	40.4	41.2	42.8	43.2	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 12000	30.1	40.7	41.5	43.2	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 10000	31.8	42.8	44.1	45.8	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 9000	34.7	46.7	48.0	50.3	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	37.8	50.0	51.3	53.6	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	39.7	52.1	53.4	56.2	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	39.7	52.1	53.4	56.2	57.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000	40.2	53.3	54.6	57.3	58.1	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 4500	40.9	54.1	55.4	58.3	59.1	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 4000	42.3	55.5	56.8	59.8	60.6	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3500	44.7	56.1	59.4	62.5	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 3000	50.0	65.1	66.4	70.2	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2500	52.8	68.6	69.9	73.9	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	54.4	71.0	72.3	76.7	78.0	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 1800	55.7	71.7	73.0	77.4	78.7	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1500	57.2	74.4	76.1	81.1	82.4	82.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200	59.3	77.7	79.6	85.2	86.6	86.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	61.4	80.3	82.2	88.3	90.2	90.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	62.2	81.3	83.2	89.7	91.9	91.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	63.2	82.6	84.5	91.5	94.3	94.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	63.5	84.2	86.2	93.6	96.6	96.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	63.5	84.5	86.5	94.0	96.9	97.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	63.5	84.5	86.5	94.0	96.9	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	63.5	84.5	86.5	94.0	96.9	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	63.5	84.5	86.5	94.0	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	63.5	84.5	86.5	94.0	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	63.5	84.5	86.5	94.0	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	63.5	84.5	86.5	94.0	97.1	97.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

III
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	21	20	21	24	24	25	25	26	20
	GE19	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20	GE20
NO CEILING	26.3	32.6	32.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9
≥ 20000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2
≥ 18000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2
≥ 16000	28.9	36.5	36.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2
≥ 14000	29.7	36.7	37.7	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3
≥ 12000	29.7	37.5	37.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2
≥ 10000	31.0	39.5	39.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	33.1	41.9	42.3	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	37.0	45.8	46.2	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
≥ 7000	41.1	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 6000	40.1	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 5000	41.4	50.6	50.9	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4500	41.9	51.1	51.4	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	45.2	55.7	55.3	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	57.2	61.5	61.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3000	57.7	71.3	71.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	61.3	75.4	75.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	63.8	78.8	79.3	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	64.1	79.3	79.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	67.7	83.0	83.7	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	69.3	86.3	87.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	71.1	88.4	89.2	93.6	94.8	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	72.3	89.7	90.5	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	73.1	90.5	91.5	96.6	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	73.6	91.4	92.3	97.4	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	73.9	91.7	92.7	97.7	99.0	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 611

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190 STATION NAME BAUMHOLDER DL

73-82 YEARS

JULI MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	GE19	GE09	GE07	GE04	GE03	GE00	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
≥ 20000	29.1	36.3	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 18000	32.3	41.0	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 16000	32.3	41.0	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 14000	32.3	41.0	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 12000	32.9	41.5	41.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 10000	34.0	43.2	43.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 9000	36.5	46.2	46.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 8000	41.5	52.6	53.1	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 7000	44.0	55.6	56.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	44.0	55.6	56.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	46.4	59.0	59.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500	47.2	60.2	60.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4000	49.8	63.3	63.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3500	55.3	69.7	70.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 3000	63.7	81.0	81.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	66.4	85.0	85.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	62.2	88.2	88.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	69.2	88.2	88.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	70.3	89.7	90.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	72.0	91.5	91.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	72.9	92.7	93.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	73.3	93.2	93.8	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800	73.7	93.8	94.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	74.2	94.5	95.7	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 512

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/KAC

CEILING VERSUS VISIBILITY

1 6190

BAUMHOLDER DL

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CGO-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GT9	F090	GE60	GE60	GE48	GE40	GE32	GE24	GE24	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	26.8	35.9	36.1	41.3	42.0	42.0	43.5	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 18000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 16000	28.3	38.3	38.6	44.2	45.5	45.5	46.9	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.4
IV 14000	28.7	38.8	39.1	44.7	45.9	45.9	47.4	48.9	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.9
IV 12000	29.5	39.8	40.0	45.7	47.7	47.7	49.1	50.6	51.1	51.4	51.4	51.6	51.6	51.6	51.6	51.8
IV 10000	30.7	41.8	42.0	48.4	50.9	50.9	52.6	54.1	54.5	55.0	55.0	55.3	55.3	55.5	55.5	55.8
IV 9000	31.9	43.2	43.7	50.6	53.6	53.6	55.3	56.8	57.2	58.0	58.0	58.2	58.2	58.5	58.5	58.7
IV 8000	34.2	46.2	46.7	54.1	57.0	57.0	58.7	60.2	60.7	61.7	61.7	61.9	61.9	62.2	62.2	62.7
IV 7000	34.9	46.9	47.4	55.8	58.7	58.7	60.4	61.9	62.4	63.4	63.4	63.6	63.6	64.1	64.1	64.9
IV 6000	34.9	47.4	47.9	56.5	59.5	59.5	61.2	62.7	63.1	64.1	64.1	64.4	64.4	64.6	64.9	65.1
IV 5000	35.6	48.2	48.6	57.5	60.4	60.4	62.4	63.9	64.4	65.8	66.1	66.3	66.3	66.6	66.8	67.3
IV 4500	35.6	48.2	48.6	57.5	60.4	60.4	62.4	63.9	64.4	65.8	66.1	66.3	66.3	66.6	66.8	67.3
IV 4000	36.6	49.1	49.6	58.7	61.7	61.7	63.6	65.1	65.6	67.1	67.3	67.6	67.6	68.1	68.1	68.6
IV 3500	37.8	50.4	50.9	60.2	63.1	63.1	65.1	66.8	67.3	68.8	69.0	69.3	69.5	69.8	69.8	70.3
IV 3000	40.5	54.5	55.5	65.8	68.8	68.8	71.0	73.0	73.5	74.9	75.2	75.4	75.7	75.9	75.9	76.4
IV 2500	41.3	55.5	56.5	67.1	70.5	70.5	73.2	75.2	75.7	77.1	77.6	77.9	78.1	78.4	78.4	78.9
IV 2000	41.3	56.8	57.7	69.8	73.5	73.5	76.2	78.1	78.6	80.1	80.6	80.8	81.1	81.3	81.3	81.8
IV 1800	42.3	57.2	58.2	70.3	74.0	74.0	76.7	78.6	79.1	80.6	81.1	81.3	81.6	81.8	81.8	82.3
IV 1500	43.5	58.7	59.7	72.7	76.4	76.4	79.6	81.6	82.1	83.8	84.3	84.5	84.8	85.0	85.0	85.5
IV 1200	43.7	59.5	60.4	73.7	77.4	77.4	80.8	83.5	84.0	85.7	86.2	86.5	86.7	87.0	87.0	87.5
IV 1000	44.0	60.0	61.4	74.9	79.1	79.1	82.6	85.7	86.5	88.2	88.7	88.9	89.2	89.4	89.4	89.9
IV 900	44.2	60.4	61.9	75.4	79.6	79.6	83.0	86.2	87.0	88.7	89.2	89.4	89.7	89.9	89.9	90.4
IV 800	44.2	61.7	63.1	77.1	81.6	81.6	85.0	88.7	89.4	91.2	91.6	91.9	92.1	92.4	92.4	92.9
IV 700	44.5	61.9	63.4	77.4	82.1	82.1	86.0	89.9	90.7	92.4	92.9	93.1	93.6	93.9	93.9	94.3
IV 600	45.0	62.4	63.9	77.9	82.8	82.8	86.7	90.7	91.4	93.1	93.6	93.9	94.3	94.6	94.6	95.1
IV 500	45.0	62.4	63.9	78.4	83.5	83.5	87.5	92.1	92.9	94.6	95.1	95.3	96.1	96.3	96.3	96.8
IV 400	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.1	96.3	97.1	97.3	97.3	98.0
IV 300	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	97.8	97.8	98.8
IV 200	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	99.5
IV 100	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	100.0
IV 0	45.0	62.4	63.9	78.4	83.5	83.5	87.7	92.4	93.1	95.8	96.3	96.8	97.5	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190 STATION BAUMHOLDER DL STATION NAME 73-82 YEAR AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES																	
	OR (HUNDREDS OF METERS)																	
	≥10 GT9	≥6 GE90	≥5 GE87	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2.2 GE32	≥2.1 GE24	≥2.0 GE20	≥1.8 GE16	≥1.6 GE12	≥1.4 GE10	≥1.2 GE08	≥1.0 GE05	≥0.9 GE04	≥0.8 GE0	≥0.7	≥0.6
NO CEILING	30.3	39.2	39.7	44.1	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	32.9	42.5	42.9	47.5	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	33.1	42.8	43.3	47.8	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	33.1	42.8	43.3	47.8	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	33.1	42.9	43.4	48.0	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	33.7	43.8	44.4	48.9	52.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	36.5	47.5	48.1	54.3	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9900	37.8	49.1	49.8	56.4	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	42.3	53.5	54.3	62.1	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	42.9	54.6	55.4	63.9	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	42.9	54.6	55.4	63.9	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	44.2	56.2	57.1	65.6	67.4	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	44.2	56.2	57.1	65.6	67.4	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	45.4	57.7	58.5	67.1	68.9	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	46.4	58.7	59.5	68.2	70.0	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	49.8	63.0	64.0	72.9	75.2	75.2	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	50.7	64.3	65.3	75.2	77.6	77.6	78.4	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	51.9	67.3	68.2	79.4	82.5	82.5	83.3	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	52.7	67.4	68.4	79.7	82.8	82.8	83.6	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	53.3	69.0	70.0	81.8	84.9	84.9	85.9	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	54.1	71.2	72.3	84.6	87.8	88.0	89.1	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	55.1	72.3	73.4	85.9	90.0	90.1	91.7	92.4	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	55.3	72.8	73.9	86.4	90.4	90.6	92.2	92.9	92.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	55.3	73.4	74.6	87.2	91.4	91.6	93.2	93.8	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	55.4	73.6	74.7	87.5	91.7	91.9	93.7	94.3	94.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 600	56.2	74.6	75.7	88.7	93.2	93.3	95.5	96.3	96.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	56.4	74.7	75.9	88.8	93.5	93.7	96.8	97.6	97.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	56.4	74.7	75.9	88.8	93.5	93.7	96.8	97.6	97.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7
≥ 300	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0
≥ 200	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0
≥ 100	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0
≥ 0	56.4	74.7	75.9	88.8	93.5	93.7	96.9	97.7	98.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE19	≥6 GE09	≥5 GE07	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1.2 GE20	≥1 GE16	≥.8 GE12	≥.6 GE10	≥.5 GE08	≥.4 GE05	≥.3 GE04	≥.2 GE02
NO CEILING	32.6	39.6	39.6	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	35.5	43.3	43.3	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	35.2	43.9	43.9	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	36.1	43.9	43.9	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	36.3	44.1	44.1	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	36.8	44.6	44.6	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	39.8	48.6	48.6	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	47.3	49.5	49.5	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	45.2	54.9	55.3	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	47.1	57.7	57.3	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	47.6	57.5	57.8	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 5000	48.7	58.8	59.1	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	48.7	58.8	59.1	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	50.5	60.7	61.7	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	52.7	63.5	63.9	69.6	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3000	60.7	73.2	73.9	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	61.9	75.3	76.0	83.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	65.7	78.8	79.5	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	65.7	78.8	79.5	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	67.2	81.2	81.8	90.0	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	68.6	83.4	84.2	92.4	93.9	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	69.9	84.9	85.7	94.6	96.3	96.3	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	70.1	85.0	85.8	94.7	96.5	96.5	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	70.2	85.0	85.8	94.7	96.5	96.5	97.3	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	70.4	86.0	86.8	95.7	97.8	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	70.7	86.3	87.1	96.0	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.7	86.3	87.1	96.0	98.2	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 BAUMHOLDER DL STATION NAME

73-62 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ90	≥5 GE87	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.25 GE10	≥0.15 GE8	≥0.1 GE6	≥0.05 GE4	≥0.02 GE2
NO CEILING	33.3	39.7	39.7	41.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	37.8	45.7	45.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 18000	38.2	46.3	46.3	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	38.2	46.3	46.3	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	38.6	46.8	46.8	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000	40.0	48.4	48.4	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	43.0	52.3	52.3	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	44.4	53.9	53.9	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	49.5	60.0	60.0	62.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	52.7	63.8	63.8	66.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	53.4	64.7	64.7	67.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	55.4	67.3	67.3	69.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	55.4	67.6	67.6	70.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	58.1	70.9	70.9	73.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	59.6	72.9	72.9	76.2	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	60.9	83.9	84.1	88.1	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	69.3	84.5	84.6	90.1	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	70.2	86.1	86.3	92.1	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	71.4	86.3	86.5	92.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	71.7	87.6	87.9	94.0	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	72.2	88.8	89.2	95.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	73.3	89.9	90.3	97.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	73.3	89.9	90.3	97.1	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	73.3	89.9	90.5	97.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	73.3	90.3	90.9	97.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	73.3	90.3	90.9	97.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	73.3	90.3	90.9	97.6	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	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.3	90.3	90.9	97.6	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	73.3	90.3	90.9	97.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.3	90.3	90.9	97.6	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 547

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197

BAUMHOLDER DL

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

7600-0870

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GT9	FC90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	17.1	23.0	23.9	27.5	28.9	29.2	31.1	32.1	32.1	35.1	35.4	35.7	36.4	37.4	38.4	40.3
≥ 20000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 18000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 16000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 14000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 12000	16.4	25.6	26.6	30.8	32.1	32.5	34.8	35.7	35.7	38.7	39.0	39.3	40.0	41.3	42.3	44.9
≥ 10000	17.0	26.9	27.9	32.8	34.1	34.4	37.4	38.4	38.4	41.6	42.0	42.3	43.0	44.3	45.2	47.9
≥ 9000	19.7	28.2	29.2	34.8	36.1	36.4	40.0	41.0	41.0	44.3	44.6	44.9	45.6	46.9	47.9	50.5
≥ 8000	19.7	31.5	31.5	37.4	39.3	39.7	44.3	45.6	45.6	48.9	49.2	49.5	50.2	52.1	53.4	56.4
≥ 7000	21.0	31.1	32.1	38.4	40.3	40.7	45.2	46.6	46.6	49.8	50.2	50.5	51.1	53.1	54.4	57.4
≥ 6000	20.0	31.1	32.1	38.4	40.3	40.7	45.2	46.6	46.6	49.8	50.2	50.5	51.1	53.1	54.4	57.4
≥ 5000	20.7	31.8	32.8	39.0	41.3	41.6	46.9	48.5	48.5	51.8	52.1	52.5	53.1	55.1	56.4	59.3
≥ 4500	11.1	32.5	33.4	39.7	42.0	42.3	47.5	49.2	49.2	52.5	52.8	53.1	53.8	55.7	57.0	60.0
≥ 4000	21.3	32.8	34.1	40.7	43.0	43.3	48.9	50.5	50.5	54.1	54.4	54.8	55.4	57.4	58.7	61.6
≥ 3500	22.3	34.4	35.7	43.0	45.6	45.9	51.8	54.1	54.1	57.7	58.0	58.4	59.0	61.0	62.3	65.2
≥ 3000	23.9	38.0	39.7	47.9	52.1	52.8	58.7	61.3	61.3	65.6	65.9	66.2	66.9	68.9	70.2	73.4
≥ 2500	24.9	39.0	40.7	50.2	54.4	55.1	61.6	64.3	64.3	68.5	68.9	69.2	69.8	71.8	73.1	76.4
≥ 2000	25.9	40.0	41.6	51.5	55.7	56.4	63.3	65.9	65.9	70.2	70.5	70.8	71.5	73.4	74.8	78.0
≥ 1800	26.6	40.7	42.3	52.1	56.7	57.4	64.3	66.9	66.9	71.1	71.5	71.8	72.5	74.4	75.7	79.0
≥ 1500	26.9	41.6	43.3	53.1	58.0	58.7	65.6	68.2	68.2	72.5	72.8	73.1	73.8	75.7	77.0	80.3
≥ 1200	27.2	42.3	43.9	54.4	59.7	60.3	67.2	70.2	70.2	74.4	74.8	75.1	75.7	77.7	79.0	82.3
≥ 1000	27.5	42.6	44.3	55.4	60.7	61.3	68.2	71.1	71.1	75.4	75.7	76.1	76.7	78.7	80.0	83.3
≥ 900	27.5	43.6	45.2	56.4	62.0	62.6	69.8	72.8	72.8	77.0	77.4	77.7	78.4	80.3	81.6	84.9
≥ 800	31.5	45.6	47.2	59.0	65.2	65.9	73.1	76.4	76.4	80.7	81.0	81.3	82.0	83.9	85.2	88.5
≥ 700	21.5	47.2	48.9	62.0	68.2	68.9	76.4	80.0	80.0	84.3	84.6	84.9	85.6	87.5	88.9	92.1
≥ 600	21.5	47.2	48.9	62.3	68.5	69.2	78.0	82.6	82.6	86.9	87.2	87.5	88.2	90.2	91.5	94.8
≥ 500	21.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.1	92.5	95.7
≥ 400	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.5	92.8	96.4
≥ 300	21.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.5	92.8	96.4
≥ 200	31.5	47.2	48.9	62.3	68.9	69.8	78.7	83.3	83.3	87.9	88.2	88.5	89.2	91.8	93.4	99.0
≥ 0	31.8	47.5	49.2	62.6	69.2	70.2	79.0	83.6	83.6	88.2	88.5	88.9	89.5	92.1	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 305

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0950-1100

NO. CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	20	25	24	23	22	21	21	21	21	21	21	21	21	21	21
≥20000	21.1	29.1	30.7	35.3	38.7	38.9	41.2	41.1	41.1	42.0	42.0	42.0	42.0	42.2	42.4	42.7
≥18000	23.1	31.6	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥16000	23.1	31.6	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥14000	23.1	31.6	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥12000	23.1	31.6	33.3	39.6	43.3	43.6	45.3	46.2	46.2	47.1	47.1	47.1	47.1	47.3	47.6	47.8
≥10000	23.3	32.4	34.0	40.7	44.4	44.7	46.9	47.8	47.8	48.9	48.9	48.9	48.9	49.1	49.3	49.6
≥9000	25.3	34.7	36.4	43.6	47.3	47.6	49.8	50.7	50.7	51.8	51.8	51.8	51.8	52.0	52.2	52.4
≥8000	27.8	37.1	38.9	47.8	52.4	52.7	55.8	56.7	56.7	57.8	57.8	57.8	57.8	58.0	58.2	58.7
≥7000	28.9	38.4	41.4	49.3	54.0	54.2	57.3	58.2	58.2	59.3	59.3	59.3	59.3	59.6	59.8	60.2
≥6000	28.9	38.4	40.4	49.3	54.0	54.2	57.3	58.2	58.2	59.3	59.3	59.3	59.3	59.6	59.8	60.2
≥5000	29.8	39.3	41.3	50.7	55.6	55.8	58.9	59.8	59.8	60.9	60.9	60.9	60.9	61.1	61.3	61.8
≥4500	31.1	40.6	42.6	50.9	55.8	56.0	59.3	60.2	60.2	61.3	61.3	61.3	61.3	61.6	61.8	62.2
≥4000	31.2	40.6	41.8	51.8	56.9	57.1	60.4	61.3	61.3	62.4	62.4	62.4	62.4	62.7	62.9	63.3
≥3500	31.4	41.6	43.6	54.0	59.6	59.8	63.1	64.0	64.0	65.1	65.1	65.1	65.1	65.3	65.6	66.0
≥3000	34.2	45.3	47.3	58.4	65.1	65.6	70.0	71.1	71.1	72.2	72.2	72.2	72.2	72.4	72.7	73.1
≥2500	34.7	46.2	48.2	61.1	67.8	68.2	73.3	74.4	74.4	75.6	75.6	75.6	75.6	75.8	76.0	76.4
≥2000	35.6	47.3	49.3	63.6	70.2	70.7	76.2	77.3	77.3	78.4	78.4	78.4	78.4	78.7	78.9	79.3
≥1800	35.6	47.3	49.3	63.6	70.2	70.7	76.2	77.3	77.3	78.4	78.4	78.4	78.4	78.7	78.9	79.3
≥1600	37.4	48.9	51.1	65.6	72.4	72.9	78.4	79.6	79.6	80.7	80.7	80.7	80.7	80.9	81.1	81.6
≥1400	37.6	50.7	52.9	67.6	74.4	74.9	80.4	81.6	81.6	82.7	82.7	82.7	82.7	82.9	83.1	83.6
≥1200	38.2	52.4	54.7	69.6	76.9	77.3	83.1	84.4	84.7	85.8	85.8	85.8	85.8	86.0	86.2	86.7
≥1000	37.9	53.6	55.8	70.9	78.4	78.9	84.7	86.0	86.2	87.8	87.8	87.8	87.8	88.0	88.2	88.7
≥900	41.0	54.9	57.1	73.3	81.1	81.6	87.3	88.7	88.9	90.4	90.4	90.4	90.4	90.7	90.9	91.3
≥800	41.4	56.0	58.2	75.1	82.9	83.3	89.1	90.7	90.9	92.4	92.4	92.4	92.4	92.7	92.9	93.3
≥700	40.4	56.2	59.1	76.0	84.4	84.9	92.2	93.8	94.0	95.6	95.6	95.6	95.6	95.8	96.0	96.4
≥600	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	95.3	97.1	97.1	97.1	97.1	97.3	97.6	98.0
≥500	41.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	96.0	98.0	98.0	98.0	98.0	98.2	98.4	98.9
≥400	41.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	96.0	98.0	98.0	98.0	98.0	98.2	98.4	98.9
≥300	41.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	96.0	98.0	98.0	98.0	98.0	98.2	98.4	98.9
≥200	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	96.0	98.0	98.0	98.0	98.0	98.2	98.4	98.9
≥100	40.4	56.2	59.1	76.0	85.1	85.6	93.1	95.1	96.0	98.0	98.0	98.0	98.0	98.2	98.4	98.9

TOTAL NUMBER OF OBSERVATIONS 850

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 6190 BAUMHOLDER DL YEAR: 73-82 GCS: 0000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210 CY9	26 EQ90	25 GE80	24 GE60	23 GE48	22 GE40	22 GE32	21 GE24	21 GE20	21 GE16	21 GE12	21 GE10	21 GE08	25/0 GE05	21 GE04	21 GE0
20000	26.2	33.0	33.0	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
18000	27.1	36.3	36.3	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
16000	27.6	36.8	36.8	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
14000	29.8	37.0	37.0	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
12000	30.0	37.2	37.2	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
10000	31.4	39.2	39.2	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
8000	31.4	39.5	39.5	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
7000	33.4	43.3	43.3	54.9	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
6000	35.2	45.1	45.1	56.7	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
5000	37.7	48.0	48.0	60.1	61.0	61.0	61.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
4500	37.3	48.7	48.7	60.8	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4000	38.8	49.6	49.6	62.1	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
3500	39.7	51.1	51.1	64.6	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
3000	44.6	58.5	58.5	73.8	75.1	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
2500	47.1	61.4	61.4	77.6	79.1	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2000	47.7	63.7	63.7	80.5	82.1	82.3	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
1800	48.7	63.9	63.9	81.2	82.7	83.0	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1500	51.9	67.0	67.0	84.8	86.3	86.5	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1200	52.9	70.2	70.2	87.9	89.5	89.7	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1000	54.3	71.7	72.0	89.9	91.5	91.7	92.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
900	54.3	72.0	72.2	91.0	92.6	92.8	93.9	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	54.9	72.9	73.1	92.4	93.9	94.2	95.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
700	55.6	74.2	74.4	93.7	95.3	95.5	96.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
600	55.6	74.2	74.4	93.9	95.7	96.0	97.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	55.6	74.2	74.4	93.9	96.0	96.2	97.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 446

GLOBAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 BAUMHOLDER DL STATION NAME

73-82 YEAR

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

15 0-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
21000	26.3	34.6	34.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
20000	31.3	42.6	42.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
18000	31.1	42.6	42.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
16000	32.2	42.9	42.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
14000	32.2	42.9	42.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
12000	34.1	45.3	45.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
10000	34.1	46.1	46.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
9000	36.5	48.8	48.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
8000	37.5	51.1	51.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
7000	38.6	51.5	51.5	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
6000	38.5	53.6	53.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
5000	41.3	54.7	54.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4000	49.2	58.4	58.4	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
3000	47.6	60.6	60.6	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2000	41.2	65.4	65.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1000	44.2	72.9	72.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
800	54.1	76.1	76.1	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
600	56.1	76.1	76.1	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
400	56.2	78.8	78.8	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
200	59.5	81.0	81.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
100	57.5	81.5	81.5	92.2	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
80	57.5	81.0	82.0	93.6	93.8	93.8	93.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
60	61.1	82.6	82.6	94.9	94.9	94.9	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
40	61.7	84.7	85.3	97.1	97.6	97.6	97.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
20	61.7	85.3	85.8	97.9	98.4	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	61.7	85.3	85.8	97.9	98.4	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	61.7	85.3	85.8	97.9	98.4	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	61.7	85.3	85.8	97.9	98.4	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 373

GLOBAL CLIMATOLOGY BRANCH
 SACETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16190 BAUMHOLDER DL STATION NAME

73-82 YEARS

067 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

6600-0000 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GF9	GF90	GF80	GF60	GF40	GF40	GF30	GF20	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF0
NO CEILING	6.5	10.6	10.6	11.9	11.9	11.9	12.4	12.7	12.7	13.2	13.7	14.5	14.5	15.5	15.8	19.2
≥ 20000	7.3	11.7	12.2	13.5	13.5	13.7	14.5	14.8	14.8	15.3	15.8	16.6	16.6	17.6	17.9	21.8
≥ 18000	7.3	11.7	12.2	13.5	13.5	13.7	14.5	14.8	14.8	15.3	15.8	16.6	16.6	17.6	17.9	21.8
≥ 16000	7.3	11.9	12.4	13.7	13.7	14.0	14.8	15.0	15.0	15.5	16.1	16.8	16.8	17.9	18.1	22.0
≥ 14000	7.5	12.2	12.7	14.0	14.0	14.2	15.7	15.3	15.3	15.8	16.3	17.1	17.1	18.1	18.4	22.3
≥ 12000	7.8	12.4	13.1	14.2	14.2	14.5	15.3	15.5	15.5	16.1	16.6	17.4	17.4	18.4	18.7	22.5
≥ 10000	8.8	14.0	14.5	16.1	16.3	16.6	17.4	17.9	17.9	18.4	18.9	19.7	19.7	20.7	21.0	24.9
≥ 9500	8.8	14.0	14.5	16.6	16.8	17.1	17.9	18.4	18.4	18.9	19.4	20.2	20.2	21.2	21.5	25.4
≥ 8000	10.4	16.1	16.6	18.7	18.9	19.2	19.9	20.5	20.5	21.8	22.5	23.3	23.8	25.4	25.6	29.5
≥ 7000	12.9	17.4	17.9	20.2	20.5	20.7	22.3	22.8	22.8	24.4	25.1	25.9	26.4	28.0	28.2	32.1
≥ 6000	10.9	17.4	17.9	20.2	20.7	21.0	22.5	23.1	23.1	24.6	25.4	26.2	26.7	28.2	28.5	32.4
≥ 5000	11.1	17.6	18.1	21.0	21.8	22.0	23.8	24.4	24.4	25.9	26.7	27.5	28.0	29.5	29.8	33.7
≥ 4500	11.1	18.4	18.9	22.3	23.1	23.3	25.1	25.6	25.6	27.2	28.0	28.8	29.3	30.8	31.1	35.0
≥ 4000	11.1	18.7	19.2	22.5	23.3	23.6	25.4	25.9	25.9	27.5	28.2	29.0	29.5	31.1	31.3	35.2
≥ 3500	12.2	19.2	19.7	23.1	23.8	24.1	26.2	26.7	26.7	28.2	29.0	29.8	30.3	31.9	32.1	36.0
≥ 3000	12.2	21.2	22.0	25.4	27.2	27.7	30.1	30.6	30.6	32.4	33.2	33.9	34.7	36.3	36.5	40.4
≥ 2500	14.9	22.8	23.6	26.9	28.8	29.3	31.6	32.1	32.1	33.9	34.7	35.5	36.3	37.8	38.1	42.0
≥ 2000	15.5	23.8	24.6	29.8	31.6	32.1	34.7	35.2	35.2	37.0	37.8	38.6	39.4	40.9	41.2	45.1
≥ 1800	15.5	24.1	24.9	30.1	31.9	32.4	35.0	35.5	35.5	37.3	38.1	38.9	39.6	41.2	41.5	45.3
≥ 1500	15.8	25.4	26.2	33.2	35.5	36.0	39.1	39.6	39.6	41.7	42.5	43.3	44.0	45.6	45.9	49.7
≥ 1200	17.6	28.2	29.1	37.0	40.7	41.2	44.6	45.3	45.3	47.4	48.2	49.0	49.7	51.3	51.6	55.4
≥ 1000	17.7	29.8	30.6	39.1	42.7	43.3	46.9	47.9	47.9	51.3	52.1	52.8	53.6	55.2	55.4	59.3
≥ 900	18.9	31.1	31.9	41.7	45.3	45.9	49.7	50.8	50.8	54.1	54.9	55.7	56.5	58.5	58.8	62.7
≥ 800	19.4	31.9	33.2	43.3	47.4	47.9	52.3	53.8	53.8	57.5	58.3	59.1	59.8	61.9	62.2	66.1
≥ 700	19.4	31.9	33.9	45.6	50.3	50.8	55.7	56.7	57.3	62.7	63.5	64.2	65.0	67.1	67.4	71.5
≥ 600	20.2	33.2	35.2	48.4	53.1	53.6	59.8	61.9	63.7	69.4	70.5	71.2	72.0	74.6	74.9	79.3
≥ 500	20.2	33.2	35.2	49.0	54.4	54.9	61.4	64.0	65.8	71.8	73.1	74.1	75.1	78.0	78.2	82.6
≥ 400	20.2	33.2	35.2	49.0	54.4	54.9	62.2	65.8	67.6	74.4	75.9	77.2	78.8	81.9	82.1	86.5
≥ 300	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	75.6	77.5	79.3	81.6	85.0	85.2	90.2
≥ 200	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	75.6	77.5	79.3	81.6	85.2	85.8	92.2
≥ 100	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	76.2	78.0	79.8	82.1	86.3	87.0	98.4
≥ 0	20.2	33.2	35.2	49.2	54.7	55.2	62.4	66.1	67.9	76.2	78.0	79.8	82.1	86.5	87.6	100.0

TOTAL NUMBER OF OBSERVATIONS 386

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197

BAUMHOLDER DL

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1930-1930

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 GT9	≥6 EQ90	≥5 GEB7	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1.25 GE20	≥1 GE16	≥0.75 GE12	≥0.5 GE10	≥0.4 GE08	≥0.3 GE05	≥0.25 GE04	≥0.2 GE0
NO CEILING	10.3	13.1	13.4	15.8	16.5	16.5	17.2	17.9	17.9	18.6	18.1	19.1	19.1	20.0	20.1	22.4
≥20000	1.0	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
18000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
16000	1.1	1.5	1.5	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
14000	11.4	15.8	16.2	18.9	19.6	19.6	20.3	21.0	21.7	21.7	22.2	22.2	22.2	23.2	23.4	25.8
12000	11.7	16.2	16.5	19.3	20.0	20.0	20.7	21.3	21.3	22.0	22.5	22.5	22.5	23.6	23.8	26.2
10000	12.7	17.2	17.6	20.7	21.3	21.3	22.2	23.1	23.1	23.8	24.3	24.3	24.3	25.3	25.5	27.9
9000	13.4	17.9	18.2	21.7	22.5	22.5	23.4	24.3	24.3	25.0	25.5	25.5	25.5	26.5	26.7	29.1
8000	14.5	19.8	20.1	23.6	24.6	24.6	25.5	26.3	26.3	27.0	27.5	27.5	27.7	28.9	29.3	31.7
7000	15.7	21.2	21.9	25.5	26.7	26.7	27.5	28.4	28.6	29.3	29.8	29.8	29.9	31.2	31.5	33.9
6000	16.0	21.2	21.9	25.6	26.9	26.9	27.7	28.6	28.7	29.4	29.9	29.9	30.1	31.3	31.7	34.1
5000	16.1	21.9	22.5	26.3	27.7	27.7	28.6	29.4	29.6	30.3	30.6	30.8	31.0	32.2	32.7	35.1
4500	15.5	22.4	23.1	27.4	28.7	28.7	29.6	30.5	30.6	31.3	31.8	31.8	32.0	33.2	33.7	36.1
4000	15.6	22.9	23.6	27.9	29.3	29.3	30.1	31.0	31.2	32.0	32.5	32.5	32.9	34.1	34.6	37.0
3500	16.2	23.2	23.9	28.2	29.8	29.8	30.6	31.5	31.7	32.9	33.4	33.4	33.7	34.9	35.5	37.9
3000	19.3	27.4	28.2	33.0	34.6	34.6	35.6	36.7	36.8	38.0	38.7	38.9	39.2	40.4	41.0	43.4
2500	19.8	28.9	29.8	34.9	36.5	36.5	37.5	38.7	38.9	40.3	41.0	41.1	41.5	42.7	43.2	45.6
2000	20.5	30.3	31.2	37.9	39.6	39.6	41.1	42.3	42.7	44.1	44.8	44.9	45.3	46.5	47.0	49.4
1800	21.5	31.5	32.4	39.2	41.5	41.5	43.4	44.6	44.9	46.3	47.0	47.2	47.5	48.7	49.2	51.6
1500	22.9	34.1	34.9	43.7	46.6	46.6	48.7	50.1	50.6	52.3	53.0	53.2	53.5	54.7	55.2	57.7
1200	24.1	36.7	37.5	46.6	50.9	50.9	53.5	54.9	55.4	57.1	57.8	58.0	58.3	59.6	60.1	62.5
1000	25.6	38.6	39.4	49.4	54.2	54.2	57.3	59.2	59.7	62.0	62.7	63.2	63.5	64.7	65.2	67.6
900	26.3	39.6	40.4	51.3	56.3	56.3	59.6	61.4	62.0	64.5	65.2	65.7	66.1	67.3	67.8	70.2
800	26.7	41.0	42.5	53.9	59.7	59.7	63.7	66.1	66.6	69.5	70.2	70.7	71.1	72.3	72.8	75.2
700	26.7	41.1	42.7	54.4	60.4	60.4	64.5	67.3	67.8	70.7	71.4	72.1	72.6	73.8	74.4	76.8
600	26.7	41.7	43.2	56.8	63.7	63.7	68.5	72.1	72.8	75.9	76.6	77.5	78.0	79.3	79.9	82.3
500	26.7	41.8	43.4	57.7	64.9	64.9	70.4	74.7	75.4	79.3	80.2	81.2	81.8	83.1	83.6	86.1
400	26.7	41.8	43.4	57.7	64.9	64.9	70.4	75.2	75.9	81.8	82.8	84.3	85.0	86.6	87.1	89.5
300	25.7	41.8	43.4	57.7	64.9	64.9	71.1	76.4	77.5	83.8	85.0	86.7	87.6	90.2	90.9	93.8
200	26.7	41.8	43.4	57.7	64.9	64.9	71.1	76.4	77.5	84.2	85.4	87.1	88.1	91.4	92.8	96.9
100	26.7	41.8	43.4	57.7	64.9	64.9	71.1	76.4	77.5	84.2	85.4	87.1	88.1	91.6	93.1	99.5
0	26.7	41.8	43.4	57.7	64.9	64.9	71.1	76.4	77.5	84.2	85.4	87.1	88.1	91.9	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
 AF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 6192 BAUMHOLDER DL STATION NAME: 73-82 YEARS: 1961
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GT9	FG90	GF87	GF67	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF0
NO CEILING	15.4	17.9	18.0	20.1	21.3	21.3	22.2	22.2	22.2	22.4	22.4	22.5	22.5	22.5	22.5	22.7
≥ 20000	17.9	21.3	21.5	23.6	24.8	24.8	25.6	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.0	26.2
≥ 18000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 16000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 14000	17.9	21.7	21.8	23.9	25.1	25.1	26.0	26.0	26.0	26.2	26.2	26.3	26.3	26.3	26.3	26.5
≥ 12000	18.4	22.2	22.4	24.4	25.6	25.6	26.5	26.5	26.5	26.7	26.7	26.9	26.9	26.9	26.9	27.0
≥ 10000	19.2	23.2	23.4	25.5	26.7	26.7	27.6	27.6	27.6	27.7	27.7	27.9	27.9	27.9	27.9	28.1
≥ 9000	20.1	24.1	24.4	26.5	27.7	27.7	28.6	28.6	28.6	28.8	28.8	28.9	28.9	28.9	28.9	29.1
≥ 8000	22.9	27.6	28.1	31.3	31.5	31.5	32.8	32.8	32.8	32.9	32.9	33.1	33.1	33.1	33.1	33.3
≥ 7000	24.6	29.6	30.2	32.8	34.0	34.0	35.2	35.2	35.2	35.4	35.4	35.5	35.5	35.5	35.5	35.7
≥ 6000	24.6	29.6	30.2	33.1	34.7	34.7	35.9	35.9	35.9	36.0	36.0	36.2	36.2	36.2	36.2	36.4
≥ 5000	25.0	30.0	30.5	33.6	35.2	35.2	36.4	36.4	36.4	36.6	36.6	36.7	36.7	36.7	36.7	36.9
≥ 4500	25.5	30.2	30.7	34.0	35.5	35.5	36.7	36.7	36.7	36.9	36.9	37.1	37.1	37.1	37.1	37.3
≥ 4000	25.5	31.7	32.2	35.5	37.1	37.1	38.3	38.3	38.3	38.5	38.5	38.6	38.6	38.6	38.6	38.8
≥ 3500	26.2	33.1	33.6	36.9	38.5	38.5	39.7	39.7	39.7	39.9	39.9	40.0	40.0	40.0	40.0	40.2
≥ 3000	26.2	34.7	35.2	38.4	40.0	40.0	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.7
≥ 2500	36.0	46.4	47.1	51.8	53.6	53.6	54.9	55.3	55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.8
≥ 2000	37.8	49.4	50.1	56.0	58.4	58.4	60.1	60.5	60.5	60.7	60.7	60.8	60.8	60.8	60.8	61.0
≥ 1800	39.3	51.3	52.1	58.6	61.7	61.7	63.4	64.0	64.0	64.1	64.1	64.3	64.3	64.3	64.3	64.5
≥ 1500	41.4	54.6	55.3	62.7	67.1	67.1	69.2	69.5	69.5	69.8	69.8	70.0	70.0	70.0	70.0	70.2
≥ 1200	42.3	55.8	56.8	64.6	69.3	69.3	71.6	71.9	71.9	72.3	72.3	72.4	72.4	72.4	72.4	72.6
≥ 1000	44.5	59.1	60.1	69.3	74.0	74.0	77.1	77.6	77.6	78.5	78.5	78.7	78.7	78.7	78.7	78.9
≥ 900	44.7	59.8	60.8	70.4	75.2	75.2	78.3	78.9	78.9	79.7	79.7	79.9	79.9	79.9	79.9	80.1
≥ 800	44.7	60.8	62.2	72.6	77.6	77.6	80.8	81.3	81.3	82.3	82.3	82.5	82.5	82.5	82.5	82.7
≥ 700	44.9	61.0	62.6	74.7	80.6	80.6	83.7	84.2	84.2	85.3	85.3	85.4	85.4	85.4	85.4	85.6
≥ 600	45.2	61.5	63.1	75.9	82.7	82.7	86.8	87.0	87.0	89.6	89.6	89.9	89.9	89.9	89.9	90.5
≥ 500	47.2	61.5	63.1	76.3	84.2	84.2	88.9	90.3	90.3	92.9	93.1	93.2	93.2	93.6	93.6	93.8
≥ 400	45.2	61.5	63.1	76.3	84.2	84.2	89.4	91.2	91.2	94.8	95.0	95.5	95.5	95.8	95.8	96.0
≥ 300	45.2	61.5	63.1	76.4	84.4	84.4	89.6	91.3	91.7	95.7	95.8	96.4	96.5	97.2	97.2	97.4
≥ 200	45.2	61.5	63.1	76.4	84.4	84.4	89.6	91.3	91.9	96.2	96.5	97.1	97.2	98.4	98.4	99.0
≥ 100	45.2	61.5	63.1	76.4	84.4	84.4	89.6	91.3	91.9	96.4	96.9	97.4	97.6	98.8	99.3	100.0
≥ 0	45.2	61.5	63.1	76.4	84.4	84.4	89.6	91.3	91.9	96.4	96.9	97.4	97.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEAR

QCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE30	≥2 GE24	≥1.5 GE20	≥1 GE16	≥0.75 GE12	≥0.5 GE10	≥0.25 GE08	≥0.16 GE05	≥0.1 GE04	≥0.05 GE0	
NO CEILING	20.7	25.0	25.0	27.6	28.8	28.8	29.4	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	
≥ 20000	22.8	29.0	29.0	32.4	33.6	33.6	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
≥ 18000	22.8	29.0	29.0	32.4	33.6	33.6	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
≥ 6000	23.2	29.4	29.4	32.8	34.0	34.0	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	
≥ 14000	23.4	29.6	29.6	33.0	34.2	34.2	34.7	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	
≥ 12000	24.0	30.5	30.5	34.2	35.1	35.1	35.7	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	
≥ 10000	26.1	33.0	33.0	36.5	37.6	37.6	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	
≥ 9000	26.4	34.2	34.2	37.6	38.8	38.8	39.3	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	
≥ 8000	31.7	39.5	39.5	43.0	44.1	44.1	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	
≥ 7000	31.7	41.1	41.1	44.5	45.7	45.7	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	
≥ 6000	33.0	41.1	41.1	45.1	46.3	46.3	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	
≥ 5000	33.6	41.8	41.8	45.9	47.0	47.0	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	
≥ 4500	34.1	42.2	42.2	46.4	47.6	47.6	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	
≥ 4000	34.5	44.1	44.1	48.6	49.7	49.7	50.3	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	
≥ 3500	36.3	45.1	45.1	49.5	50.7	50.7	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	
≥ 3000	44.3	54.7	54.7	59.3	60.5	60.5	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	
≥ 2500	43.4	60.1	60.1	65.5	67.2	67.2	67.9	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	
≥ 2000	51.1	62.4	62.4	68.9	70.6	70.6	71.6	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	
≥ 1800	51.1	63.7	63.1	69.7	71.6	71.6	72.6	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	
≥ 1600	51.1	64.7	64.9	72.4	74.3	74.3	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	
≥ 1400	52.6	66.6	66.8	75.2	77.7	77.7	78.7	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	
≥ 1200	53.2	68.5	68.7	77.5	80.2	80.2	82.1	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	
≥ 1000	53.2	69.1	69.5	79.7	81.4	81.4	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	
≥ 900	53.4	69.3	69.7	80.4	83.1	83.1	85.0	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	
≥ 800	53.6	69.7	70.1	82.1	84.8	84.8	86.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	
≥ 700	54.1	71.0	71.4	83.7	86.9	86.9	89.8	90.4	90.4	91.4	91.7	91.7	91.7	91.7	91.7	
≥ 600	54.3	71.2	72.0	84.3	88.1	88.1	91.2	92.1	92.3	94.4	94.8	94.8	94.8	94.8	94.8	
≥ 500	54.1	71.2	72.0	84.3	88.1	88.1	91.2	92.1	92.3	94.6	95.0	95.0	95.0	95.2	95.2	
≥ 400	54.3	71.2	72.0	84.8	88.7	88.7	91.7	92.7	92.9	95.8	95.8	95.8	95.8	96.5	96.5	
≥ 300	54.3	71.2	72.0	84.8	88.7	88.7	91.7	92.7	92.9	95.8	96.2	96.4	96.7	98.1	98.8	
≥ 200	54.3	71.2	72.0	84.8	88.7	88.7	91.7	92.9	93.1	96.0	96.4	96.5	96.9	98.3	99.2	
≥ 100	54.3	71.2	72.0	84.8	88.7	88.7	91.7	92.9	93.1	96.0	96.4	96.5	96.9	98.3	99.2	

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190
STATION

BAUMHOLDER DL
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

6600-0800
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.2	≥0.15	≥0.1	≥0.05
	GT9	F090	GF80	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF0
NO CEILING	7.7	10.3	10.6	12.0	12.0	12.0	12.7	12.3	12.3	13.1	13.4	13.4	13.6	13.6	13.9	16.4
≥20000	7.8	11.1	11.4	12.8	13.4	13.4	13.4	13.6	14.5	14.8	14.8	15.3	15.3	15.6	16.4	18.9
≥18000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥16000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥14000	8.1	12.0	12.3	13.6	14.2	14.2	14.2	14.5	14.5	15.3	15.6	15.6	16.2	16.2	16.4	18.9
≥12000	8.6	12.5	12.8	14.2	14.8	14.8	14.8	15.0	15.0	15.9	16.2	16.2	16.7	16.7	17.0	19.5
≥10000	9.2	13.6	13.9	15.3	15.9	15.9	15.9	16.4	16.4	17.3	17.5	17.5	18.1	18.1	18.4	21.2
≥9000	10.3	15.3	15.6	17.0	17.5	17.5	17.5	18.1	18.1	19.2	19.5	19.5	20.1	20.1	20.3	23.1
≥8000	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.4	21.4	22.6	23.1	23.1	23.7	23.7	24.0	26.7
≥7000	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.2	21.2	21.7	21.7	22.8	23.4	23.4	24.0	27.0
≥6000	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.2	21.2	21.7	21.7	22.8	23.4	23.4	24.0	27.0
≥5000	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.2	21.2	21.7	21.7	22.8	23.4	23.4	24.0	27.0
≥4500	12.5	18.7	18.9	20.3	20.9	20.9	20.9	21.2	21.2	21.7	21.7	22.8	23.4	23.4	24.0	27.0
≥4000	14.2	21.2	21.4	22.8	23.4	23.4	23.4	23.7	24.2	24.2	25.3	25.3	25.9	25.9	26.5	29.5
≥3500	14.5	22.3	22.6	24.0	24.5	24.5	24.8	25.3	25.3	26.5	27.0	27.0	27.6	27.6	27.9	30.6
≥3000	18.1	27.3	27.6	29.5	30.6	30.6	30.9	32.0	32.0	33.4	34.3	34.5	35.1	35.7	35.9	38.7
≥2500	19.5	28.7	29.0	31.2	32.3	32.3	32.6	34.0	34.0	35.4	36.2	36.5	37.0	37.6	37.9	40.7
≥2000	21.2	31.8	32.0	34.8	35.9	35.9	36.8	38.2	38.2	39.6	40.4	40.7	41.2	41.8	42.1	44.8
≥1800	22.7	33.1	33.7	37.3	38.4	38.4	39.3	40.7	40.7	42.1	42.9	43.2	43.7	44.3	44.6	47.4
≥1500	25.3	37.7	38.2	42.9	44.6	44.6	46.2	47.6	47.6	49.6	51.0	51.3	52.1	52.6	52.9	55.7
≥1200	27.0	39.3	40.4	45.4	47.1	47.1	50.1	51.8	51.8	54.0	55.4	55.7	57.1	57.7	57.9	60.7
≥1000	28.4	41.2	42.6	48.7	51.8	51.8	57.4	59.1	59.1	61.3	62.7	63.0	64.6	65.2	65.5	68.2
≥900	28.7	41.5	42.9	49.9	52.9	52.9	58.8	60.7	60.7	63.0	64.6	64.9	66.6	67.1	67.4	70.2
≥800	27.5	43.5	45.1	52.1	55.4	55.4	61.6	63.8	63.8	66.6	68.5	68.8	70.5	71.0	71.3	74.1
≥700	37.6	47.4	49.3	56.8	60.4	60.4	67.4	69.9	69.9	72.7	74.7	75.2	76.9	77.4	77.7	80.5
≥600	30.6	47.4	49.3	57.1	60.7	60.7	68.5	71.3	71.6	74.7	76.6	77.2	78.8	79.4	79.7	82.5
≥500	30.4	47.6	49.6	57.4	61.0	61.0	69.4	73.0	73.3	77.4	79.4	79.9	81.6	83.0	83.3	86.1
≥400	31.2	48.5	50.4	59.1	62.7	62.7	71.3	75.2	75.8	80.5	82.5	83.3	85.0	86.6	86.9	89.7
≥300	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	87.5	88.0	90.8
≥200	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.0	89.1	93.6
≥100	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.3	90.5	98.6
≥0	31.2	48.5	50.4	59.1	63.0	63.0	71.9	75.8	76.3	81.1	83.0	83.8	85.5	88.3	90.5	100.0

TOTAL NUMBER OF OBSERVATIONS 359

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6190
 STATION

BAUMHOLDER DL
 STATION NAME

73-82
 YEAR

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-1100
 TIME

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	26	25	24	23	22	27	21	21	21	24	24	25	25	26	26	20			
	GT9	FG90	GF87	GF60	GF48	GF40	GF37	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF03	GF01				
NO CEILING	10.4	12.2	12.2	13.5	13.6	13.6	14.5	14.9	15.1	15.5	15.5	15.6	15.8	15.8	16.2	16.5				
≥ 20000	11.7	14.2	14.2	16.2	16.9	16.9	17.8	18.4	18.5	18.9	18.9	19.1	19.3	19.3	19.6	20.0				
18000	12.5	15.1	15.3	17.3	18.0	18.0	18.9	19.5	19.6	20.0	20.0	20.2	20.4	20.4	20.7	21.1				
6000	12.5	15.1	15.3	17.3	18.0	18.0	18.9	19.5	19.6	20.0	20.0	20.2	20.4	20.4	20.7	21.1				
4000	13.3	16.0	16.2	18.2	19.1	19.1	20.0	20.5	20.7	21.1	21.1	21.3	21.5	21.5	21.8	22.2				
10000	13.6	16.5	16.7	19.3	20.2	20.2	21.1	21.6	21.8	22.2	22.2	22.4	22.5	22.5	22.9	23.6				
9000	15.1	18.9	19.1	21.6	22.5	22.5	23.5	24.0	24.2	24.5	24.5	24.7	24.9	24.9	25.3	26.0				
8000	16.7	20.9	21.1	23.8	24.7	24.7	25.6	26.2	26.4	26.7	26.7	26.9	27.1	27.1	27.5	28.2				
7000	17.5	21.6	22.7	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6				
6000	17.5	21.6	22.7	24.9	26.2	26.2	27.1	27.6	27.8	28.2	28.2	28.4	28.5	28.5	28.9	29.6				
5000	17.5	21.6	22.7	25.1	26.4	26.4	27.3	27.8	28.0	28.4	28.4	28.5	28.9	28.9	29.3	30.0				
4500	17.5	21.8	22.2	25.1	26.4	26.4	27.3	27.8	28.0	28.4	28.4	28.5	28.9	28.9	29.3	30.0				
4000	19.1	23.5	23.8	26.7	28.0	28.0	28.9	29.5	29.6	30.4	30.4	30.5	30.9	30.9	31.3	32.0				
3500	10.8	24.9	25.3	28.5	29.8	29.8	30.7	31.6	31.8	32.7	32.7	32.9	33.3	33.3	33.6	34.4				
3000	24.4	30.5	30.9	34.4	36.0	36.0	36.9	38.0	38.2	39.5	39.5	39.6	40.0	40.2	40.5	41.5				
2500	26.9	33.3	33.6	37.3	38.9	38.9	39.8	40.9	41.1	42.4	42.4	42.5	42.9	43.1	43.5	44.4				
2000	28.7	36.0	36.4	40.7	42.4	42.4	43.4	44.7	44.9	46.4	46.4	46.5	46.9	47.1	47.5	48.4				
1800	25.9	36.2	36.7	42.2	43.8	43.8	45.3	46.4	46.5	48.0	48.0	48.2	48.5	48.7	49.1	50.0				
1500	31.8	39.6	40.4	46.5	48.7	48.7	50.5	51.6	51.8	53.5	53.6	53.8	54.2	54.4	54.7	55.6				
1200	33.5	41.8	42.7	49.8	52.4	52.4	55.5	56.5	56.7	59.1	59.3	59.6	60.0	60.2	60.5	61.5				
1000	35.3	43.8	44.7	52.2	55.8	55.8	59.5	61.1	61.3	64.0	64.2	64.5	64.9	65.1	65.5	66.4				
900	35.3	44.0	44.9	52.4	56.4	56.4	60.0	61.8	62.2	64.9	65.1	65.5	65.8	66.7	66.8	67.3				
800	36.2	45.6	47.1	54.5	58.5	58.5	62.9	64.9	65.8	69.1	69.3	69.6	70.0	70.2	70.5	71.5				
700	36.9	48.4	50.0	58.2	62.2	62.2	66.7	68.9	69.8	73.8	74.0	74.5	75.5	75.6	76.0	76.9				
600	37.3	49.3	50.9	59.5	63.6	63.6	68.9	71.3	72.2	76.8	76.7	77.3	78.2	78.4	78.7	79.6				
500	37.3	49.3	50.9	60.5	64.7	64.7	70.7	73.8	74.9	81.1	81.5	82.0	83.5	84.5	84.9	85.8				
400	37.5	49.6	51.3	60.9	65.1	65.1	71.6	74.7	75.8	83.3	84.2	84.9	86.4	87.6	88.0	88.9				
300	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	89.5	89.8	91.1				
200	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	91.8	94.8				
100	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	92.0	99.1				
0	37.5	49.6	51.3	60.9	65.1	65.1	71.6	75.5	76.5	84.5	85.5	86.4	87.8	90.4	92.0	99.1				

TOTAL NUMBER OF OBSERVATIONS 550

USAF ETAC FORM 101-84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6197 STATION SAUMHOLDER DL

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1960

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10 GT9	26 EG9.0	25 GF8.7	24 GE6.0	23 GE4.8	22 GE4.0	22 GE3.2	21 GE2.4	21 GE2.0	21 GE1.6	21 GE1.2	21 GE1.0	20 GE0.8	20 GE0.5	20 GE0.4	20 GE0.3	20 GE0.2	20 GE0.1	20 GE0.0	20 GE0.0
NO CEILING	11.7	13.9	13.9	16.1	16.7	16.7	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
≥ 2000	14.9	17.6	17.6	21.1	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
WV 18000	15.6	18.5	18.5	22.0	22.6	22.6	22.9	22.9	22.9	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
WV 16000	15.6	18.5	18.5	22.2	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3
WV 14000	15.6	18.5	18.5	22.2	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3
WV 12000	16.3	19.3	19.3	23.3	24.2	24.2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0
WV 10000	18.0	20.9	20.9	25.3	26.6	26.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
WV 9000	18.7	22.0	22.0	26.4	27.7	27.7	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8
WV 8000	18.6	23.7	23.7	28.1	29.4	29.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.8	30.8	30.8	30.8	30.8	30.8
WV 7000	20.7	24.8	24.8	29.4	30.6	30.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1
WV 6000	20.9	25.0	25.0	29.5	30.8	30.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3
WV 5000	21.1	25.3	25.3	29.9	31.2	31.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.7
WV 4500	21.1	25.3	25.3	29.9	31.2	31.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.7
WV 4000	22.6	27.0	27.0	31.6	32.8	32.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3
WV 3500	23.7	28.4	28.4	33.6	35.2	35.2	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2
WV 3000	27.7	37.2	37.2	42.8	44.6	44.6	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6
WV 2500	31.4	39.6	39.6	45.9	47.7	47.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1
WV 2000	33.9	43.3	43.3	51.0	52.8	52.8	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8
WV 1800	34.5	44.4	44.4	52.3	54.7	54.7	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0
WV 1500	35.4	46.4	46.4	55.8	58.3	58.3	61.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8
WV 1200	35.4	47.5	47.5	59.3	62.0	62.0	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.1	66.1	66.1	66.1	66.1	66.1
WV 1000	37.4	50.3	50.3	62.6	66.2	66.2	69.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7
WV 900	37.4	50.3	50.3	62.9	66.6	66.6	69.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1
WV 800	38.5	51.9	51.9	64.6	68.3	68.3	71.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9
WV 700	39.8	54.5	54.5	68.1	71.9	71.9	76.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2	79.6	79.6	79.6	79.6	79.6	79.6
WV 600	40.2	54.9	54.9	69.2	74.5	74.5	79.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	82.8	82.8	82.8	82.8	82.8	82.8
WV 500	40.6	55.2	55.2	69.9	76.7	76.7	82.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	87.7	87.7	87.7	87.7	87.7	87.7
WV 400	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	90.3	90.3	90.3	90.3	90.3	90.3
WV 300	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	91.0	91.0	91.0	91.0	91.0	91.0
WV 200	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	92.1	92.1	92.1	92.1	92.1	92.1
WV 100	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	91.4	91.4	91.4	91.4	91.4	91.4
WV 0	40.7	55.6	55.6	70.3	77.2	77.2	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	92.1	92.1	92.1	92.1	92.1	92.1

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6192

BAUMHOLDER DL

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	23	24	23	22	27	21	21	21	24	24	23	23	20	20
	GE19	GE09	GE00	GE60	GE40	GE40	GE32	GE20	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	12.2	15.1	15.7	19.5	19.9	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
≥ 20000	13.9	17.3	18.3	22.9	23.3	23.3	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
18000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
16000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
14000	14.1	17.5	18.5	23.1	23.5	23.5	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
12000	19.9	18.3	19.3	24.5	24.9	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
10000	17.1	21.3	22.3	28.1	28.5	28.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
9500	19.1	23.5	24.5	30.9	31.3	31.3	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1
8000	21.9	25.7	26.7	33.9	34.5	34.5	35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7
7000	21.9	26.5	27.5	34.7	35.3	35.3	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
6000	21.9	26.9	27.9	35.1	35.7	35.7	36.7	36.7	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9
5000	22.3	27.3	28.3	35.5	36.1	36.1	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
4500	22.3	27.3	28.3	35.5	36.1	36.1	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
4000	24.1	29.9	30.9	38.4	39.0	39.0	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
3500	25.3	31.5	32.7	40.2	41.4	41.4	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8
3000	30.3	36.4	39.6	48.0	49.2	49.2	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2500	32.7	42.4	43.6	52.4	53.6	53.6	54.8	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2000	35.3	45.8	47.4	56.6	58.2	58.2	60.0	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
1800	35.7	46.2	47.8	57.2	59.4	59.4	61.2	61.4	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0
1500	37.8	50.4	52.4	62.4	65.1	65.1	67.1	67.5	67.5	68.1	68.3	68.3	68.3	68.3	68.3	68.3
1200	38.4	53.2	55.2	65.9	69.1	69.1	71.1	71.5	71.5	72.1	72.3	72.3	72.3	72.3	72.3	72.3
1000	40.6	56.8	58.8	69.7	73.5	73.5	75.9	77.3	77.3	77.9	78.1	78.1	78.1	78.1	78.1	78.1
900	40.6	56.8	58.8	70.1	73.9	73.9	76.3	77.7	77.7	78.3	78.5	78.5	78.5	78.5	78.5	78.5
800	41.2	57.8	60.0	72.1	75.9	75.9	78.5	79.9	79.9	81.1	81.3	81.3	81.3	81.3	81.3	81.3
700	42.8	59.8	62.0	74.3	78.5	78.5	82.1	83.5	83.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9
600	42.8	59.8	62.0	74.3	79.1	79.1	82.7	83.3	83.5	84.9	87.6	87.8	87.8	87.8	87.8	87.8
500	42.8	59.8	62.0	74.9	79.7	79.7	83.7	86.5	86.7	90.4	91.8	92.0	92.0	92.0	92.0	92.0
400	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	92.8	94.4	94.8	94.8	94.8	94.8	94.8
300	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.2	94.8	95.4	95.4	95.4	95.4	95.4
200	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.4	98.0	98.2
100	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.6	98.6	99.8
0	42.8	59.8	62.0	74.9	79.7	79.7	84.3	88.0	88.4	93.4	95.0	95.6	95.6	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 888

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

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 6190 BAUMHOLDER DL STATION NAME: 73-82 YEAR: 85

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

630-0800

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
NO CEILING	9.8	12.0	14.0	15.8	17.6	17.6	18.4	19.0	19.3	19.6	20.1	20.1	21.5	22.3	22.6	22.6																
≥ 20000	10.3	13.1	14.5	17.3	18.2	18.2	19.3	20.1	20.4	20.9	21.5	21.5	22.9	23.7	24.0	24.0																
≥ 18000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3																
≥ 16000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3																
≥ 14000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3																
≥ 12000	10.3	13.4	14.8	17.6	18.4	18.4	19.6	20.4	20.7	21.2	21.8	21.8	23.2	24.0	24.3	24.3																
≥ 10000	10.9	14.5	15.0	19.0	19.8	19.8	20.9	21.8	22.1	22.9	23.5	23.5	24.9	25.7	26.0	26.0																
≥ 9000	11.7	15.6	17.0	20.1	20.9	20.9	22.1	22.9	23.2	24.0	24.6	24.6	26.0	26.8	27.1	27.1																
≥ 8000	12.6	16.5	17.9	21.9	21.8	21.8	22.9	23.7	24.0	24.9	25.4	25.4	26.8	27.7	27.9	27.9																
≥ 7000	13.1	17.0	18.4	21.5	22.3	22.3	23.5	24.3	24.6	25.4	26.0	26.0	27.4	28.2	28.5	28.5																
≥ 6000	13.1	17.0	18.4	21.5	22.6	22.6	23.7	24.6	24.9	25.7	26.3	26.3	27.7	28.5	28.8	28.8																
≥ 5000	13.4	17.3	18.7	22.1	22.9	22.9	24.0	24.9	25.1	26.0	26.5	26.5	27.9	28.8	29.1	29.1																
≥ 4500	13.4	17.3	18.7	22.1	22.9	22.9	24.0	24.9	25.1	26.0	26.5	26.5	27.9	28.8	29.1	29.1																
≥ 4000	14.1	18.7	20.1	23.5	24.3	24.3	25.4	26.3	26.5	27.4	27.9	27.9	29.3	30.2	30.4	30.4																
≥ 3500	14.5	19.6	21.0	24.3	25.1	25.1	26.5	27.4	27.7	28.5	29.1	29.1	30.4	31.3	31.6	31.6																
≥ 3000	17.3	23.7	25.1	29.1	29.9	30.4	31.6	32.4	32.7	33.5	34.1	34.1	35.5	36.3	36.6	36.6																
≥ 2500	19.6	26.8	28.2	32.4	33.5	34.1	35.2	36.3	36.6	37.4	38.0	38.0	39.4	40.2	40.5	40.5																
≥ 2000	24.1	32.7	34.1	38.8	39.9	40.5	41.6	43.3	43.6	44.7	45.3	45.3	46.6	47.5	47.8	47.8																
≥ 1800	24.0	33.2	34.6	39.4	40.5	41.1	42.2	43.9	44.1	45.3	45.8	45.8	47.2	48.0	48.3	48.3																
≥ 1600	27.1	36.1	37.7	42.7	44.4	45.0	46.9	48.9	49.2	51.1	52.2	52.5	53.9	54.7	55.0	55.0																
≥ 1400	25.8	39.4	41.6	47.5	49.4	50.0	53.1	55.0	55.6	57.8	58.9	59.2	60.6	61.5	61.7	61.7																
≥ 1200	30.7	41.6	44.4	52.0	54.2	54.7	58.9	61.2	61.7	64.2	65.4	65.6	67.0	68.2	68.4	68.4																
≥ 1000	31.8	43.6	46.4	53.9	56.1	56.7	60.9	63.1	63.7	66.2	67.3	67.6	69.0	70.1	70.4	70.4																
≥ 800	32.4	44.7	47.5	55.6	57.8	58.4	63.1	66.2	66.8	69.3	70.4	70.7	72.1	73.5	74.0	74.0																
≥ 700	32.7	45.0	47.8	57.5	59.8	60.3	65.4	69.3	69.8	73.2	74.3	74.6	76.0	77.4	77.9	78.2																
≥ 600	33.0	45.8	49.2	59.2	61.5	62.0	67.0	71.2	71.8	75.9	76.5	76.8	78.2	79.6	80.2	80.2																
≥ 500	33.2	47.2	50.6	60.6	62.8	63.4	69.3	74.3	74.9	79.3	81.3	82.4	84.4	87.2	87.7	88.0																
≥ 400	33.2	47.5	50.8	60.9	63.1	63.7	69.6	75.1	75.7	81.0	83.0	84.1	86.3	90.2	90.8	91.3																
≥ 300	33.2	47.5	51.8	60.9	63.1	63.7	69.6	75.1	75.7	81.6	83.8	84.9	88.0	92.7	93.6	94.4																
≥ 200	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.6	95.8	97.5																
≥ 100	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.9	96.1	100.0																
≥ 50	33.2	47.8	51.1	61.2	63.4	64.0	69.8	75.4	76.0	81.8	84.4	85.8	88.8	93.9	96.1	100.0																

TOTAL NUMBER OF OBSERVATIONS 358

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6197 BAUMHOLDER DL STATION NAME

73-82 YEAR

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY STATUTE MILES																			
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
	OR (HUNDREDS OF METERS)																			
	GE19	GE19.5	GE19	GE18	GE18	GE18	GE17	GE17	GE17	GE16	GE16	GE16	GE15	GE15	GE15	GE14	GE14	GE14	GE13	GE13
2 20000	10.4	13.1	13.5	15.1	15.4	15.4	15.9	16.3	16.3	16.3	16.3	16.4	16.6	16.8	17.0	18.0				
2 18000	11.6	14.5	14.9	16.4	17.3	17.3	18.0	18.3	18.3	18.3	18.5	18.7	18.9	19.4	19.6	20.6				
2 16000	12.1	14.9	15.2	16.8	17.6	17.6	18.3	18.7	18.7	18.7	18.9	19.0	19.2	19.7	19.9	20.9				
2 14000	12.3	15.1	15.4	17.0	17.8	17.8	18.5	18.9	18.9	18.9	19.0	19.2	19.4	19.9	20.1	21.1				
2 12000	12.3	15.1	15.4	17.0	17.8	17.8	18.5	18.9	18.9	18.9	19.0	19.2	19.4	19.9	20.1	21.1				
2 10000	12.3	16.3	16.8	18.7	20.2	20.2	20.9	21.3	21.3	21.6	21.8	22.0	22.1	22.7	22.8	23.9				
2 9000	13.3	17.1	17.6	19.9	21.5	21.5	22.1	22.5	22.5	22.8	23.0	23.2	23.4	23.9	24.0	25.1				
2 8000	14.4	15.5	19.2	21.5	23.0	23.0	23.7	24.0	24.0	24.4	24.6	24.7	24.9	25.4	25.6	26.6				
2 7000	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3				
2 6000	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3				
2 5000	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3				
2 4500	14.4	19.2	19.9	22.1	23.7	23.7	24.4	24.7	24.7	25.1	25.3	25.4	25.6	26.1	26.3	27.3				
2 4000	14.4	20.4	21.1	23.7	25.4	25.4	26.3	26.6	26.6	27.0	27.3	27.7	27.9	28.4	28.5	29.6				
2 3500	15.4	20.9	21.6	24.2	26.0	26.0	27.2	27.5	27.5	27.9	28.2	28.5	29.7	29.2	29.4	30.4				
2 3000	16.9	24.9	25.6	28.7	30.4	30.4	32.2	32.9	32.9	33.2	33.6	33.9	34.1	34.6	34.8	35.8				
2 2500	21.5	28.5	29.2	33.0	34.8	34.8	36.7	37.4	37.4	38.1	38.4	38.8	38.9	39.4	39.6	40.7				
2 2000	24.9	34.4	35.3	39.6	41.5	41.5	43.4	45.2	45.2	45.8	46.2	46.5	46.7	47.2	47.4	48.4				
2 1800	25.6	35.6	36.3	40.7	42.6	42.6	44.5	46.2	46.2	46.9	47.2	47.6	47.8	48.3	48.4	49.5				
2 1500	27.7	38.8	39.4	43.9	46.7	46.9	48.8	50.9	51.0	52.2	52.6	52.9	53.1	53.6	53.8	54.8				
2 1200	30.1	44.3	45.0	50.0	52.9	53.1	55.4	58.0	58.1	59.3	59.7	60.0	60.2	60.7	60.9	61.9				
2 1000	31.0	46.2	47.4	52.8	56.1	56.2	59.2	61.9	62.3	63.5	63.8	64.2	64.4	64.9	65.1	66.1				
2 900	31.0	46.7	47.9	53.5	56.7	56.9	59.9	62.6	63.0	64.2	64.5	64.9	65.1	65.6	65.7	66.8				
2 800	32.9	47.9	49.1	54.8	58.7	58.8	62.6	65.4	65.7	67.1	67.5	67.8	68.0	69.0	69.2	70.2				
2 700	33.7	48.8	50.2	56.4	61.2	60.4	64.5	67.6	68.0	70.1	70.6	70.9	71.1	72.1	72.3	73.5				
2 600	34.1	49.5	51.0	57.6	61.6	61.8	66.1	70.4	71.1	73.9	74.4	74.7	75.3	76.3	76.5	77.7				
2 500	34.1	49.5	51.0	57.8	61.9	62.1	67.1	72.0	72.7	77.0	77.9	78.4	79.2	81.5	81.7	82.9				
2 400	34.1	49.7	51.2	58.1	62.5	62.8	68.2	74.2	74.9	80.1	81.3	82.0	83.7	87.4	87.7	88.9				
2 300	34.1	49.7	51.2	58.1	62.5	62.8	68.2	74.2	74.9	80.6	82.0	83.0	86.2	92.7	94.1	96.5				
2 200	34.1	49.7	51.2	58.1	62.5	62.8	68.2	74.2	74.9	80.6	82.2	83.2	86.9	93.4	95.3	100.0				
2 100	34.1	49.7	51.2	58.1	62.5	62.8	68.2	74.2	74.9	80.6	82.2	83.2	86.9	93.4	95.3	100.0				
2 000	34.1	49.7	51.2	58.1	62.5	62.8	68.2	74.2	74.9	80.6	82.2	83.2	86.9	93.4	95.3	100.0				

TOTAL NUMBER OF OBSERVATIONS 578

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 16190 BAUMHOLDER DL STATION NAME 73-82 YEARS DEC
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 12-0-1960

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	
	GT9	F090	GF80	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF03
NO CEILING ≥ 20000	13.0	16.2	16.2	18.3	18.3	18.3	18.3	18.3	18.3	18.5	18.5	18.5	18.5	19.3	19.5	19.5
IN 18000	15.6	19.5	19.5	21.9	21.9	21.9	21.9	21.9	21.9	22.1	22.1	22.1	22.1	22.9	23.1	23.1
IN 16000	16.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.1	23.3	23.3
IN 14000	16.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.1	23.3	23.3
IN 12000	16.6	20.2	20.2	22.7	22.7	22.7	22.7	22.7	22.7	22.9	22.9	22.9	22.9	23.7	23.9	23.9
IN 10000	17.7	21.6	21.6	24.2	24.2	24.2	24.2	24.2	24.2	24.6	24.6	24.6	24.6	25.4	25.6	25.6
IN 9000	17.7	21.6	21.6	24.6	24.6	24.6	24.6	25.0	25.0	25.4	25.4	25.4	25.4	26.1	26.3	26.3
IN 8000	19.1	22.9	22.9	26.0	26.0	26.0	26.0	26.3	26.3	26.7	26.7	26.7	26.7	27.5	27.7	27.7
IN 7000	20.2	24.8	24.8	27.9	28.1	28.1	28.1	28.4	28.4	28.8	28.8	28.8	28.8	29.6	29.8	29.8
IN 6000	20.2	24.8	24.8	27.9	28.1	28.1	28.1	28.4	28.4	28.8	28.8	28.8	28.8	29.6	29.8	29.8
IN 5000	20.8	25.4	25.4	28.4	28.6	28.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	30.2	30.3	30.3
IN 4500	20.8	25.4	25.4	28.4	28.6	28.6	28.6	29.0	29.0	29.4	29.4	29.4	29.4	30.2	30.3	30.3
IN 4000	22.1	27.3	27.3	30.5	30.7	30.7	30.7	31.1	31.1	31.7	32.1	32.3	32.3	33.0	33.2	33.2
IN 3500	22.1	27.3	27.3	30.7	30.9	30.9	30.9	31.3	31.3	31.9	32.3	32.4	32.4	33.2	33.4	33.4
IN 3000	24.8	31.1	31.1	35.5	35.7	35.7	36.1	36.8	36.8	37.4	37.8	38.0	38.0	38.7	38.9	38.9
IN 2500	27.7	34.2	34.2	39.1	39.3	39.3	40.3	41.0	41.0	41.8	42.2	42.4	42.4	43.1	43.3	43.3
IN 2000	32.4	40.5	41.0	45.4	45.6	45.6	47.1	48.5	48.5	49.2	49.6	49.8	49.8	50.6	50.8	50.8
IN 1800	33.7	41.2	41.8	46.2	46.8	46.8	48.3	49.6	49.6	50.4	50.8	51.0	51.0	51.7	51.9	51.9
IN 1500	34.4	44.3	44.8	49.8	50.6	51.0	52.7	54.2	54.6	55.3	55.7	55.9	55.9	56.7	56.9	56.9
IN 1200	35.4	49.2	49.8	54.8	55.5	55.9	58.7	59.5	59.9	60.9	61.3	61.5	61.5	62.7	62.8	62.8
IN 1000	40.1	51.3	51.9	57.4	58.4	58.8	61.6	63.5	64.3	65.3	65.6	66.0	66.0	66.8	67.0	67.0
IN 900	40.3	51.5	52.1	58.2	59.2	59.5	62.4	64.5	65.3	66.2	66.6	67.0	67.0	67.7	67.9	67.9
IN 800	41.3	53.4	54.7	60.3	61.6	62.0	65.1	67.6	68.5	69.5	69.8	70.2	70.2	71.0	71.2	71.2
IN 700	42.7	54.4	55.7	62.0	63.7	64.1	67.6	70.0	71.4	72.7	73.1	73.5	73.5	74.2	74.4	74.4
IN 600	42.6	55.7	55.9	64.5	66.2	66.6	70.0	73.7	75.2	77.7	78.1	78.4	78.6	79.6	80.0	80.0
IN 500	42.6	55.0	55.9	64.9	67.0	67.4	71.6	76.5	78.6	83.2	83.6	84.4	84.7	86.1	87.0	87.2
IN 400	42.6	55.0	55.9	64.9	67.0	67.4	72.3	77.7	80.0	85.9	86.3	87.4	88.2	90.3	91.2	91.8
IN 300	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.0	87.4	88.7	90.3	93.3	94.3	95.0
IN 200	42.6	55.7	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	94.8	96.0	97.9
IN 100	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	95.0	96.8	100.0
IN 50	42.6	55.0	55.9	64.9	67.4	67.7	72.9	78.2	80.7	87.4	87.8	89.1	90.8	95.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 619 BAUMHOLDER DL STATION NAME

YEAR 73-82

PERIOD DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	019	090	080	060	048	040	032	024	020	016	012	010	008	005	004	003
≥20000	17.1	16.4	16.9	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.0	19.2	19.2	20.0	20.2	20.2
≥18000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥16000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥14000	16.9	20.9	21.4	23.3	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.8	23.8	24.5	24.7	24.7
≥12000	17.1	21.1	21.6	23.8	23.8	23.8	23.8	23.8	23.8	24.0	24.0	24.2	24.2	24.9	25.2	25.2
≥10000	17.3	22.1	22.6	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2	25.4	25.4	26.1	26.4	26.4
≥9000	17.6	22.3	22.8	25.2	25.2	25.2	25.2	25.2	25.2	25.4	25.4	25.7	25.7	26.4	26.6	26.6
≥8000	17.5	23.3	23.9	26.1	26.1	26.1	26.1	26.1	26.1	26.3	26.3	26.6	26.6	27.3	27.6	27.6
≥7000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥6000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥5000	17.2	24.0	24.5	26.8	26.8	26.8	26.8	27.3	27.3	27.6	27.6	27.8	27.8	28.5	28.7	28.7
≥4500	17.0	24.7	25.2	27.6	27.6	27.6	27.6	28.0	28.0	28.3	28.3	29.5	29.5	29.2	29.5	29.5
≥4000	17.2	26.4	26.8	29.2	29.2	29.2	29.2	29.7	29.7	29.9	29.9	30.2	30.2	30.9	31.1	31.1
≥3500	21.4	26.1	28.5	30.9	30.9	30.9	30.9	31.4	31.4	32.1	32.1	32.3	32.3	33.0	33.3	33.3
≥3000	24.0	30.9	31.6	34.0	34.0	34.0	34.0	34.7	34.7	35.4	35.4	35.6	35.6	36.3	36.6	36.6
≥2500	28.3	35.9	36.6	39.7	39.7	39.7	40.4	41.1	41.1	41.8	41.8	42.0	42.0	42.8	43.0	43.0
≥2000	31.5	41.7	42.3	45.8	45.8	45.8	47.3	49.2	49.2	49.9	49.9	50.1	50.4	51.1	51.3	51.3
≥1800	22.3	42.0	43.0	46.6	46.6	46.6	48.2	50.1	50.1	50.8	50.8	51.1	51.3	52.0	52.3	52.3
≥1500	34.9	45.4	46.3	50.1	50.8	50.8	53.2	55.6	55.6	56.8	56.8	57.0	57.2	58.0	58.2	58.2
≥1200	37.1	49.2	50.1	54.2	55.1	55.1	57.7	60.3	60.3	61.8	62.0	62.2	62.5	63.7	63.9	63.9
≥1000	38.2	51.3	53.0	57.7	59.1	59.1	62.5	65.1	65.1	67.0	67.2	67.5	67.9	69.1	69.4	69.4
≥900	38.5	51.5	53.2	58.2	59.6	59.6	62.9	65.6	65.6	67.7	67.9	68.2	68.6	69.8	70.1	70.1
≥800	38.1	52.0	53.7	59.4	60.8	60.8	65.3	67.9	67.9	70.1	70.3	70.5	71.0	72.2	72.4	72.4
≥700	39.2	53.2	55.8	61.8	63.4	63.9	68.6	72.0	72.0	74.1	74.3	74.6	75.1	76.2	76.5	76.5
≥600	38.2	53.2	55.8	62.5	64.1	64.6	70.3	73.6	73.9	77.0	77.9	78.9	79.6	80.8	81.0	81.0
≥500	39.4	53.4	56.1	62.9	65.3	66.0	73.2	77.4	77.9	84.1	85.0	86.0	86.7	88.6	89.1	89.1
≥400	39.4	53.4	56.1	62.9	65.6	66.3	74.3	78.6	79.1	85.5	86.7	87.6	88.4	90.7	91.2	91.2
≥300	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.7	87.9	88.8	89.8	92.6	93.3	94.1
≥200	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.9	88.1	89.1	90.5	94.1	95.5	97.4
≥100	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	86.9	88.1	89.1	90.5	94.3	96.0	99.3
≥0	39.4	53.4	56.1	63.4	66.0	66.7	74.8	79.3	80.0	87.2	88.4	89.3	90.7	94.5	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 421

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

- a. Extreme maximum temperature
- b. Extreme minimum temperature

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

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

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

Continued on Reverse

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

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

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

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

100190 SACMHOLDER DL 74-83 JAN 3000-0500
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 3000-0500 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
47/47		.6															2	2		
47/45	.6	1.7															9	9		3
47/43	1.4	2.8	.6														17	17	16	9
47/41	1.7	3.7	1.7														25	25	24	20
47/39	.6	2.5	1.4														16	16	8	11
47/37	.3	3.7	.8														17	17	14	11
47/35	2.2	4.8															24	24	24	18
47/33	6.5	7.7	.7														49	49	46	27
47/31	3.4	5.1															30	30	49	37
47/29	2.8	5.6															30	30	31	39
47/27	6.5	2.5															32	32	31	46
47/25	3.4	1.1															16	16	15	21
47/23	1.7	1.4															11	11	4	19
47/21	5.1																18	18	22	16
47/19																				5
47/17	2.5	.6															11	11	11	7
47/15	3.7	.3															14	14	14	15
47/13	3.1	.3															12	12	12	13
47/11	1.7																6	6	6	10
47/9	2.2	.6															9	9	9	9
47/7	.6																2	2	2	1
47/5	.8																3	3	3	3
47/3																				3
47/1	.3																1	1	1	1
47/-1	.3																1	1	1	1
TOTAL	51.144	2	4.8														355	355	355	355

Element (X)	Z ₁ '	Z ₂	I	Q _n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	30554.3	32.27	92.5	7.508	355	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	349543	10601	29.9	9.652	355	.3	51.3					93
Wet Bulb	331531	10343	29.1	9.234	355	.3	56.6					93
Dew Point	305159	9889	27.9	9.158	355	.3	64.4					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

16190 SAUMHOLDER DL
 STATION STATION NAME

74-83
 YEARS

JAN
 MONTH

PAGE 1 0900-1100
 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	
46/ 46		.5																3	3	1		
47/ 47	.2	.5	.4															6	6	4		
47/ 45	.2	3.9	.5															26	25	9		
44/ 43	1.1	2.0	.2															18	18	33		
42/ 41	1.1	3.4	2.2															37	37	7		
40/ 39	.5	2.0	2.7															29	29	11		
37/ 37	1.4	5.2	1.4															45	45	7		
37/ 35	1.6	5.6	.2															41	41	56		
34/ 33	4.3	3.6	.2															48	48	55		
32/ 31	4.7	6.3	.2															62	62	77		
30/ 29	1.6	7.2																49	49	47		
28/ 27	5.6	4.3																55	55	52		
26/ 25	2.5	1.3																71	71	23		
24/ 23	2.9	1.6																25	25	23		
22/ 21	1.5	.2																11	11	13		
20/ 19	2.9																	16	16	17		
18/ 17	2.3	.2																12	12	12		
16/ 15	1.8	.2																11	11	11		
14/ 13	1.4	.4																10	10	10		
12/ 11	2.2	.4																14	14	14		
10/ 9	2.0																	12	11	12		
8/ 7	.7																	4	4	4		
6/ 5	.4																	2	2	2		
4/ 3	.2																	1	1	1		
TOTAL	43.4	42.7	7.9															557	557	557		
																			557	557		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4628762	50576	90.8	8.094	557							93
Dry Bulb	584895	17283	31.0	9.333	557		511.8					93
Wet Bulb	548976	16760	30.1	8.842	557		53.8					93
Dew Point	497297	15909	28.6	8.785	557		62.8					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

106190 BAUMHOLDER DL
STATION STATION NAME

74-83
YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
52/ 51		.4	1.6															11	11			
51/ 49		.2	.4	.5														6	6	3		
48/ 47		1.3	1.5															15	15	14	3	
46/ 45	.9	2.0	.9	.4														23	23	15	16	
44/ 43	.5	1.1																9	9	7	11	
42/ 41	.5	3.6	5.3															53	57	12	29	
41/ 39	1.3	2.7	3.8	.4														45	45	7	27	
38/ 37	.2	7.7	.7															47	47	3	12	
36/ 35	1.1	7.3	.7															60	50	77	44	
34/ 33	3.1	6.4	.4															54	54	65	71	
32/ 31	2.2	6.0	.4															47	47	7	63	
30/ 29	2.2	6.0																45	45	47	68	
28/ 27	4.9	6.0																60	60	52	63	
26/ 25	2.4	2.4																26	26	29	35	
24/ 23	.9	1.3																12	12	16	38	
22/ 21	.9	.2																6	6	12	8	
20/ 19	2.4	.4																15	15	14	25	
18/ 17	1.1	.5																9	9	11	12	
16/ 15	.9																	5	5	5	8	
14/ 13	.5	.2																4	4	4	7	
12/ 11	.7																	4	4	4	5	
10/ 9	.5																	3	3	3	5	
8/ 7																					2	
TOTAL	27.355	715.7	1.3																549	549	549	93

Element (X)	Σ X'	Σ X	Σ X²	Σ X³	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Ref. Num.	4273703	48173	87.7	9.237	549		40.0					93
Dry Bulb	664183	18553	33.8	8.239	549		45.2					93
Wet Bulb	609914	17818	32.5	7.597	549		57.1					93
Dew Point	538563	16693	30.4	7.520	549							93

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC JAN 83

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

176190 BAUMHOLDER DL 74-83 JAN
 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
47/53		.2		.4														3	3		
47/51		.4	.8															7	7		
47/49		.8		.2														5	5		2
47/47		1.6	2.2	.2														20	20	11	1
46/45	1.2	1.4	1.0	.2														18	18	23	19
44/43	.2	1.0	1.0	.6														14	14	18	7
47/41	.4	3.4	6.4															51	51	10	16
47/39	1.4	3.4	3.2	.2														41	41	39	26
37/37	.8	6.2	.6	.2														38	38	41	19
70/75	1.2	.4	.4															55	55	62	43
54/55	2.6	5.4	1.0															45	45	68	74
32/31	2.6	7.2	.4															51	51	60	65
27/29	2.2	4.2																32	32	41	51
27/27	5.2	4.6	.4															51	51	42	61
27/25	5.2	1.8	.2															26	26	28	31
24/23	.2	1.0																6	6	12	26
22/21	1.6	.8																12	12	13	7
20/19	1.2	.6																9	9	10	20
17/17	.8	1.2																10	10	11	6
17/15	.6																	3	3	5	10
14/15	.2	.2																2	2	2	9
10/11	.2																	1	1	1	4
17/9	.2																	1	1	1	3
17/7																					1
TOTAL	26.554	717.6	7.0	.2														501	501	501	501

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3802768	43366	86.6	5.905	501	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	626156	17258	34.4	7.958	501		37.9					93
Wet Bulb	571235	16519	33.0	7.290	501		42.9					93
Dew Point	499356	15378	30.7	7.394	501		54.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17190 SAUMHOLDER PL 74-83 FFB
STATION STATION NAME YEARS MONTH
PAGE 1 1600-0600
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																		
97/85		.8	.3																														4	4				
94/83		.3	.8	.3																														5	5	5	1	
92/81	1.1	4.2	.3																															27	27	13	8	
87/79	1.1	4.2	.6																															11	21	16	13	
87/77	3.1	2.3	.3																															22	22	27	26	
76/75	2.1	8.7																																38	38	42	19	
76/73	7.1	4.2	.3																															27	27	43	27	
77/71	3.9	5.4	.3																																24	34	25	36
77/69	6.2	3.7																																	35	35	46	39
77/67	7.3	4.5																																	42	42	37	36
76/65	5.6	2.5																																	42	29	28	35
76/63	7.3	1.4																																	31	31	35	43
72/61	2.5	.8																																	13	13	13	19
69/59	.6																																		2	2	5	10
67/57	3.9	.3																																	15	15	15	18
67/55	1.4	.8																																	8	8	8	9
67/53	1.1																																		4	4	4	5
67/51	.3																																		1	1	1	2
67/49	1.1																																		4	4	4	5
67/47	.7																																		4	4	4	5
TOTAL	52.4	45.4	2.3																																315	355	355	

Element (X)	Σx'	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	3009854	32576	91.9	7.623	355							
Dry Bulb	339000	10654	30.0	7.376	355		51.6					84
Wet Bulb	322672	10412	29.3	6.993	355		54.7					84
Dew Point	293289	9883	27.8	7.161	355		61.8					84

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

106190 CAUMHOLD.P DL 74-83 YEARS FEB MONTH
PAGE 1 0900-1100 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
47/ 47		.2		.2														2	2	1	
47/ 45		1.3	1.1															13	13		1
44/ 43		3.2	.9	.2														23	27	13	2
42/ 41		2.8	2.6															29	29	24	15
40/ 39	2.4	3.2	3.2															47	47	30	51
39/ 37	1.9	5.3																38	38	39	23
38/ 35	1.7	7.5	.9															54	54	63	37
34/ 33	2.1	6.9	1.7															57	57	45	68
32/ 31	3.2	6.9	.8															58	58	91	50
27/ 25	2.8	4.7	.4															42	42	48	45
28/ 27	5.1	4.9	.2															54	54	50	83
27/ 25	6.8	1.1																42	42	52	42
24/ 23	5.3	1.3																35	35	36	59
22/ 21	2.5	.2																16	16	19	27
21/ 19	1.7	.2																10	17	10	15
19/ 17	1.1																	6	6	7	14
16/ 15	.6																	3	3	3	8
14/ 13	.2																	1	1	1	2
12/ 11	.4																	2	2	2	1
10/ 9	.2																	1	1	1	2
TOTAL	38.1	49.7	11.8	.4														533	533	533	533

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	42538.9	4738.9	88.9	8.730	533		42.6					24
Wet Bulb	57606.4	17158	32.2	6.954	533		50.1					84
Dew Point	53707.3	16575	31.1	6.376	533		56.1					84

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

176195 CAUMHOLDER DL 74-83 FEB
 STATION STATION NAME YEARS 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																	
67/55																																2					
47/53																																	1	1			
57/45			.5	.7	.4																											9	9				
47/47			.4	1.2	1.1																											13	13	4			
47/45	.2	1.9	4.2	1.9																												43	43	12	4		
44/43	.2	1.9	3.3	1.2																												34	34	24	5		
47/41	1.7	3.6	3.5	.5																												56	56	53	22		
40/39	.2	4.3	2.3	.2																												35	35	41	36		
38/37	3.8	3.5	1.5	.2																													47	47	62	55	
36/35	1.3	5.3	4.1	.5																													61	61	43	52	
34/33	2.1	4.7	2.5	.4																													47	47	63	58	
32/31	2.1	5.4	.8																														43	43	67	46	
37/29	1.9	3.8	.4	.2																													33	33	47	45	
28/27	4.6	6.5	.8																														60	60	48	72	
27/25	3.1	.8																															20	20	36	45	
24/23	1.9	.6																															13	13	14	44	
22/21	.5	.2																															4	4	6	21	
20/19																																				1	9
17/17																																				4	
16/15																																				2	
TOTAL	23.0	44.5	24.8	6.7	1.7																													521	521	521	

Element (X)	Z ₁	Z ₂	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total		
Rel. Hum.	3674	991	43355	83.2	11.368	521	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	699	748	18748	36.0	6.851	521		27.9					84
Wet Bulb	623	599	17755	34.1	5.970	521		35.3					84
Dew Point	525	066	16230	31.2	6.120	521		46.6					84

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

106190 BAUMHOLDER DL 74-83 FEB
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																
54/ 53						.4																									2					
52/ 51			.2																												1					
50/ 49			1.7	.6	1.2																									17		17				
48/ 47			.2	1.2	1.7	.6	.2																							19		19	3			
46/ 45			2.3	2.7	2.1																									34		34	13	4		
44/ 43		.6	1.5	3.7	1.5																									35		35	36	10		
42/ 41		.4	4.1	3.7	.4																									42		42	35	18		
40/ 39	1.0	2.5	4.1	.2																										38		38	43	25		
38/ 37	2.3	4.1	3.3	.4																										49		49	46	46		
36/ 35	1.1	6.0	2.7	.6	.2																									51		51	52	37		
34/ 33	1.9	5.2	1.5	.4																										43		43	67	51		
32/ 31	2.5	4.8	.8																											39		39	53	71		
30/ 29	2.1	3.5	.8																											31		31	39	46		
28/ 27	4.6	5.6	.4																											51		51	47	65		
26/ 25	1.7	1.5																												15		15	26	36		
24/ 23	2.7	.4																												15		15	26	34		
22/ 21																																		2	23	
20/ 19																																			7	
18/ 17																																			5	
16/ 15																																			1	
14/ 13																																			1	
TOTAL	20.7	41.7	27.0	7.9	2.1	.6																												482	482	482
Element (X)	Σx'	Σx	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	330064	39417	81.8	12.669	482	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																									
Dry Bulb	665840	17598	36.5	6.964	482		26.3																													84
Wet Bulb	585043	16549	34.3	5.919	482		32.6																													84
Dew Point	484864	15008	31.1	6.042	482		50.4																													84

USAFETAC FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17 193 SAUMHOLDER DL
STATION STATION NAME

74-83
YEARS

MAR
MONTH

PAGE 1 000-0000
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	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59			.7															1	1																
57			.2															1	1																
55																				1															
53																		1	1	1	1														
51		.2	.5															3	3	1	3														
49		.5	.2	.7														6	6	5	2														
47	1.4	1.9	1.4	.5	.2													23	23	9	9														
45	1.7	2.9	.2															10	20	25	15														
43	.5	3.6	.5															19	19	17	11														
41	1.7	8.6	.5															45	45	33	37														
39	1.0	5.0	1.4															35	35	29	25														
37	4.8	2.8																26	36	46	39														
35	5.7	6.0	1.2															14	54	49	53														
33	5.2	4.0	1.7															46	46	55	46														
31	4.5	4.4																39	39	48	43														
29	2.4	4.3																28	28	22	25														
27	4.0	2.4																27	27	31	41														
25	.7	3.3																17	17	11	26														
23		1.4																6	6	15	13														
21		.5																2	2	3	16														
19		.5																4	4	4	5														
17		.5																2	2	2	3														
15		.7																3	3	2	3														
13		.2																1	1	3	2														
11		.2																1	1	2	2														
7																					2														
5																					3														
TOTAL	35.0	56.2	8.1	.5	.2													420	420		420														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	3437727	37809	90.0	9.022	420	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5602.4	15142	36.1	7.298	420		28.8					93
Wet Bulb	5357.2	14700	35.0	7.113	420		32.8					93
Dew Point	492658	14000	33.3	7.876	420		39.6					93

USAFETAC FORM 0-26-5 (OL A) WIND VELOCITY (KNOTS) OF THE HOUR ARE CALICITE

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14193 BAUMHOLDER DL 74-83 MA 1990-1100
 STATION STATION NAME YEARS MONTH HOURS (L, S, T)
 PAGE 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																	
57 59			.2																														4	4				
57 57			.2																														2	2	1			
57 55			.2																														3	3	1	1		
54 53			.3	.2	.3																												2	2	7			
57 51	.2	1.1	1.2		.5	.3	.2																										22	22	5	9		
57 49		.8	1.8	.6	.2																												22	22	13	2		
47 47	.8	1.8	2.2	.5	.5	.2																											38	38	23	17		
47 45	.5	3.9	1.5	.9																														44	44	44	18	
47 43	.5	3.7	2.3	.5	.2																													46	46	42	33	
47 41	1.6	8.0	1.5	.2																														90	80	46	60	
47 39	1.4	6.6	2.5	.3																														70	70	79	52	
47 37	3.7	6.3	2.9	.5																														57	87	76	64	
47 35	7.8	6.0	2.2																															71	71	54	85	
47 33	2.3	4.0	2.3																															56	56	54	6	
47 31	2.5	3.2	.4																															39	39	72	77	
47 29	.8	2.3	.5																															23	23	27	48	
47 27	.8	.9	.5																															13	13	14	62	
47 25	.2	1.1	.6																															17	17	11	26	
47 23		.8																																5	5	9	17	
47 21		.3																																2	2	5	7	
47 19		.2																																1	1	2	4	
47 17																																					1	6
47 15		.2																																1	1		7	
47 13																																					1	
47 11																																					3	
47 9																																					2	
TOTAL	17.9	52.1	23.0	5.2	1.4	.5																												649	649		649	

Element (X)	Z _x '	Z _x	X	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4660259	54423	84.0	11.438	649	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1029619	25469	39.2	6.819	649		13.8					93
Wet Bulb	927778	24190	37.3	6.153	649		20.3					93
Dew Point	808560	22442	34.6	7.085	649		36.1					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

136190 CAUMHOLDER DL 74-83
 STATION STATION NAME YEARS MONTH
 PAGE 1 1778-1400
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63			.3															4	4																
62/ 61			.2	.2		.3	.2		.2									6	6																
60/ 59					.7	1.2	.2	.2										12	12	2															
58/ 57		.5	.3		.6	.3												11	11	1	2														
56/ 55			.5	.2	1.1	.5		.7	.2									16	16	4	4														
54/ 53		.5	1.4	1.1	.6		.2			.2								24	24	4															
52/ 51	.2	.3	2.0	1.4	.6			.7										30	30	19	4														
50/ 49	.3	.6	1.2	.9	.6	.5												28	29	16	7														
48/ 47	.3	1.4	1.6	.3	.7	.7												28	29	40	11														
46/ 45	1.1	3.7	4.7	2.2	.5	.2												60	60	49	28														
44/ 43	.5	2.6	7.1	1.1	.3													75	75	56	40														
42/ 41	2.2	4.8	4.6	2.0	.5													92	92	72	78														
40/ 39	.9	5.3	5.6	.5	.2													60	60	90	42														
38/ 37	2.5	3.0	3.2	.6		.2												59	59	89	63														
36/ 35	.9	3.4	1.4	.2	.2													39	39	75	105														
34/ 33	.3	3.2	.6	.5														31	31	56	56														
32/ 31	.5	.6	.9	.3														15	15	71	64														
30/ 29		.6	.8	.3														11	11	10	34														
28/ 27		.3	.2															3	3	14	51														
26/ 25																				6	12														
24/ 23																				2	19														
22/ 21																					6														
20/ 19																					0														
18/ 17																					0														
16/ 15																					2														
14/ 13																					1														
12/ 11																					1														
10/ 9																					4														
TOTAL	10.13	.736	.511	.6	6.2	3.3	.6	.5	.5									644	644	644	644														

Element (X)	Σ X'	Σ X	X	Σ X ²	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3895850	49162	75.3	14.908	644		4.2					53
Wet Bulb	1226240	27732	43.1	7.59	644		9.1					93
Dew Point	1040638	25542	39.7	6.163	644		29.5					93
	848169	22917	35.6	7.127	644							

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

1 5190 SAUMFOLDER DL 74-83 MAR 1970-1970
STATION STATION NAME YEARS MONTH
PAGE 1 1970-1970
HOURS 10.5.70

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57/55				.2														1	1																
54/53				.3				.3										4	4																
52/51		.2		.2		.3		.3	.3									8	8	1															
51/50		.3		.3	.2	2.0		.2	.7	.2								21	21	3															
50/50			.3	.3	.7	1.2			.2									14	14	2	4														
50/55			.3	.3	1.3	.5			.2									19	19	1	2														
48/53			1.0	1.3	1.7			.2										25	25	6															
47/51	.3	.3	2.1	1.3	.3	.2												27	27	14	3														
47/48	.8	.5	.7	.3	.7	.4												26	20	27	15														
46/47	.5	1.2	1.7	3.0	.5	.3												43	43	49	9														
47/45	1.2	3.0	4.5	3.5	1.0	.5												54	44	39	33														
44/43	.5	2.7	4.0	1.2	.3	.2												53	53	47	27														
47/41	2.0	5.0	6.5	1.7	.5	.2												11	101	74	67														
47/39	.3	3.5	4.5	.8	.2													56	56	77	48														
37/37	1.3	3.2	3.5	1.3	.2													56	56	74	54														
36/35	.2	2.0	1.5	.2	.2													24	24	61	33														
34/33	.2	1.5	.3	.5	.2													19	19	49	25														
32/31		1.3	1.3	.2														17	17	26	54														
30/29			.7															4	4	11	42														
28/27		.2																1	1	15	37														
26/25																					13														
24/23																					12														
22/21																					11														
21/19																					4														
18/17																					1														
16/15																					3														
14/13																					4														
12/11																					3														
10/9																					1														
TOTAL	7.4	26.0	33.6	17.1	7.9	5.5	1.1	.7	.5	.7								597	597		597														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3337.37	43661	73.1	15.573	597	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	1202289	26431	44.3	7.340	597		7.4					93
Wet Bulb	995112	24792	41.4	6.195	597		8.4					93
Dew Point	786932	21220	35.5	7.405	597		29.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

1979 SAUMHOLZER DL 74-53 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0988-1100
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														
47/63																		5																	
47/61																		7																	
47/59			1.0	.3	.7	1.0	.3	.2										21																	
47/57		.2	.7	.2	1.0	1.2	.3											24																	
50/56		.5	.2	.8	.7	1.0	.3	.2										22				7													
47/53		.3	.2	.7	.5	.5	.2	.2										28				2													
47/51	.2	1.3	1.5	2.3	1.0	.3												43				11													
47/47	.5	.0	3.1	1.7	.8	.7												42				5													
47/47	1.0	1.0	2.5	2.3	.8	.3												45				19													
47/45	.7	4.8	5.6	3.5	.5	.5												64				34													
44/43	.5	1.7	3.1	1.6	.6													48				46													
47/41	.2	2.5	1.7	1.2	.2													34				55													
47/39	.3	3.0	3.1	.7	.3													49				69													
37/37	1.0	2.3	2.3	.7														36				57													
37/35	1.8	4.0	2.8	.2														73				76													
34/33	2.5	2.6	1.0															32				61													
27/31	.1	1.0	.2															8				53													
26/28	.2	.3																3				32													
29/27	.2																	1				51													
26/26																						19													
24/23																						13													
22/21																						3													
27/19																						7													
TOTAL	9.4	27.1	29.6	15.5	9.2	5.0	2.0	1.3										606				606													

Element (X)	Σx ²	Σx	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	3472444	44857	74.0	6.126	606							
Dry Bulb	1268501	27335	45.1	7.666	606		1.0					90
Wet Bulb	1051541	24971	41.2	6.189	606		6.5					91
Dew Point	839145	22195	36.6	6.586	606		25.0					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

106190 BAUMHOLDER DL 74-87 APR
STATION STATION NAME YEARS MONTH
PAGE 1 12 0-1400
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																		
71/ 71																																	1	1				
70/ 69																																		1	1			
67/ 67											.3	.2	.2	.2																			5	5				
66/ 65											.3	1.7	.5	.3																			14	14				
64/ 63					.5	.2	1.0	1.5	2.0	.3																							40	40				
62/ 61			1.7	.2	.5	1.0	1.2	.5																									26	26				
62/ 59			.5	.3	.5	1.7	2.3																										32	32	1			
62/ 57		.2	.3	1.2	.8	1.3	1.2	.3																									22	32	11			
58/ 55			.5	1.5	1.5	1.2	.8																										26	26	15	3		
54/ 53			.5	1.5	1.5	.7	.8																										29	29	19	10		
52/ 51	.7	.5	2.7	1.5	2.1	.2	.8																										47	47	39	8		
50/ 49	.8	.3	2.5	.8	2.1	.3	.5																										45	45	56	9		
49/ 47	.3	.3	2.6	1.5	1.7	.2	.2																										37	37	66	10		
47/ 45	.7	2.5	2.5	4.6	1.3	.7																											74	74	56	34		
47/ 43	.2	.8	3.0	3.3	.5																												47	47	65	47		
42/ 41	.2	1.8	2.1	1.2	.7																												36	36	48	68		
40/ 39	1.2	2.1	3.7	1.3	.5																												49	49	66	64		
38/ 37	1.5	1.3	2.5	.5																													35	35	64	56		
38/ 35	.5	1.3	1.3	.2																													20	20	39	72		
38/ 33	.8	.3	.3																														9	9	45	54		
37/ 31																																			11	52		
37/ 28																																				2	33	
37/ 27																																				47		
37/ 25																																				16		
37/ 23																																				12		
37/ 21																																				3		
37/ 19																																				2		
TOTAL	6.8	11.6	24.1	18.8	13.0	8.1	10.4	4.3	1.0	.9																								605	605	605		

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2732116	39174	64.8	17.995	605	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1515335	29907	49.3	8.803	605			1.0				90
Wet Bulb	1162395	26235	43.4	5.401	605		1.9					90
Dew Point	647737	22255	36.8	6.939	605		25.3					90

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

1 1966 GAUMHOLDER DL 74-83 1966
STATION STATION NAME YEARS MONTH
PAGE 1 1966-1765
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																	
71/ 69										.2	.2	.2						6	6																		
67/ 67										.2	.2	1.2						12	12																		
66/ 65							.4			.4	1.5							14	14																		
64/ 63			.4	.4		.2	1.5	1.2	2.7	.2								36	36																		
62/ 61			.2			.2	1.0	1.2	1.0									22	22																		
61/ 59			.2			1.2	2.2	2.1										36	36																		
59/ 57				.4		.4	1.2	.2	.4									17	17		4	2															
56/ 55			.4	.2	1.0	.6	1.5	.8	.2									24	24		13	1															
54/ 53		.4		.6	1.2	1.0	1.0	1.2										27	27		14	7															
52/ 51	1.2	.2	1.2	1.2	2.5	1.2	.4											47	47		44	5															
51/ 49		.4	1.2	1.5	.4		.4											21	21		1	1															
49/ 47	.2	1.2	1.5	1.5	1.0	1.0												32	32		42	17															
48/ 45	.4	2.9	2.9	3.1	1.2	.2												56	56		58	39															
44/ 43		1.9	3.5	2.9	1.2													49	49		52	28															
42/ 41	.4	3.5	2.7	2.1	1.2													51	51		43	60															
41/ 39	.6	2.3	2.7	1.3														36	36		59	45															
38/ 37	.6	1.7	.8	.4														18	18		1	66															
36/ 35	.2	.8	.4															7	7		44	56															
34/ 33	.6	1.3																10	10		72	53															
32/ 31		.2																1	1		11	40															
31/ 29																						26															
29/ 27																						48															
28/ 25																						12															
27/ 23																						16															
27/ 21																						3															
18/ 17																						2															
TOTAL	4.6	16.7	19.0	17.5	11.1	11.7	9.0	6.7	2.1	1.3	.2							521	521		521	521															

Element (X)	Z _g ¹	Z _g	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	227.2	42	63.2	19.3	521	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1343.84	26038	50.0	9.049	521			2.6				90
Wet Bulb	1312.17	22733	43.6	6.245	521		1.9					90
Dew Point	721.938	19760	36.6	6.886	521		25.4					90

USAFETAC FORM 0-26.5 (OLA) REVISE PREVIOUS EDITIONS OF THIS FORM AND DERIVATIVE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

176190 GAUMHOLDER DL 74-87 48Y
STATION STATION NAME YEARS MONTH
 PAGE 1 6600-GRJ2
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/ 67			.3																1	1															
66/ 65			.3																1	1															
64/ 63		.3	.3	.3	.3	1.1													9	9	1														
62/ 61			.3	.3	.3	.3	.3												7	7		2													
61/ 59			.3	1.0	1.5														14	14	1	1													
60/ 57		1.8	.8	.5	.7	.3													14	14	4	1													
58/ 55		.5	.8	1.8	1.8	.5													21	21	15	5													
57/ 53		.5	2.3	2.0	.8	.5	.5												20	20	16	13													
56/ 51		.8	3.8	1.7	3.0	1.3													39	39	32	9													
55/ 49		2.3	4.3	2.3	1.0														39	39	43	25													
48/ 47		1.5	5.1	4.8	1.3														40	40	46	35													
46/ 45		6.0	1.9	3.3	1.5	.3													50	50	52	41													
44/ 43		.8	2.8	2.0	.8														25	25	56	53													
42/ 41		1.3	1.5	1.0															15	15	31	55													
41/ 39		.3	3.0	1.5	.3														20	20	17	31													
39/ 37		1.0	2.0																12	12	20	20													
36/ 35		.3	.8																4	4	10	27													
34/ 33		1.5	.3																7	7	10	26													
32/ 31		.5																	2	2	3	5													
30/ 29																						5													
27/ 27																						2													
24/ 23																						1													
TOTAL	17.9	39.4	22.7	12.1	5.3	2.3	.3												306	396	300	396													

Element (X)	Z ₁	Z ₂	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	2764861	32657	82.5	13.476	396	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	944036	19162	49.4	6.523	396		.5	.2				93
Wet Bulb	837894	18082	45.7	5.568	396		.7					93
Dew Point	744542	17006	42.9	6.002	396		3.8					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE / IAC

PSYCHROMETRIC SUMMARY

102190 SAUMHOLDER DL 74-83
 STATION STATION NAME YEAR MONTH
 PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
77/77																		2	2	
76/75								.2	.2									2	2	
77/73								.7	.7									6	6	
77/71								.2	.3	.3								6	6	
77/69						.2	.2	.3	.5	.2								12	12	
77/67						.3	.5	.2	.3	.2								9	9	
76/65							1.2	.7	.7	.2								15	15	
74/63					.3	1.4	2.0	1.2	1.0									35	35	3
77/61			.2	1.0	.5	1.5	.7											25	25	3
77/59		.2	.5	1.7	2.1	1.7	.3											41	41	6 2
77/57	.2	.2	1.5	2.4	1.4	1.7	.2											42	42	5 1
77/55	.2	1.2	2.0	2.0	1.2	1.5												48	48	7 7
74/53	.8	2.7	2.0	2.0	3.2	.7												55	65	58 25
77/51	.7	1.9	2.5	2.5	1.5	.5												57	57	77 31
77/49	.7	2.5	1.7	1.7	.5	.3												44	44	67 37
77/47	.7	2.4	3.4	1.9		.3												51	51	61 53
77/45	3.2	4.9	2.9	.8	.5													72	72	96 114
74/43	.3	1.5	.9	.5														19	19	60 62
77/41	.3	.8	1.9	.2														19	19	36 91
77/39		.8	.3															7	7	19 39
77/37	.5	.7																7	7	21 56
77/35	.5	.4																5	5	10 33
77/33	.3	.2																3	3	5 28
77/31																				9
77/29																				4
77/27																				5
77/25																				2
TOTAL	8.3	19.6	20.4	17.1	13.3	11.8	8.5	1.2	1.5									592	592	592
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3101750	41608	70.3	17.325	592	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	1727307	31621	53.4	8.051	592			5.8	1.6			93								
Wet Bulb	13894.1	28481	48.1	5.698	592							93								
Dew Point	1121077	25517	43.1	5.992	592		3.1					93								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17190 LAUMHOLDER DL 74-83 MAY
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
81										.6								5	5																	
79								.5										6	6																	
77							.2	.2			.2							3	7																	
75							.1	.2	1.2									10	10																	
73						.3	.3	1.3	.2		.2							14	14																	
71						.2	1.8	1.2	.2	.2								21	21																	
69						.1	.1	.2	.3									13	13																	
67						.7	.2	1.2	.3									14	14																	
65					.5	.7	1.3	.9	.5									23	23	6																
63			.2	2.0	1.7	1.7	3.4	1.9	.2									65	65	6																
61		.2	.3	.7	1.2	3.0	1.3	.3										42	42	6																
59		.5	1.0	1.3	2.0	2.5	1.7	.2										55	55	15	2															
57		.2	1.8	.7	2.1	2.5	1.2											50	50	57	4															
55	.2	.8	1.3	.8	1.7	.9	.7											36	38	40	11															
53	.7	1.0	1.3	1.7	1.7	1.2	.5											48	48	64	21															
51	.3	2.4	1.7	.8	2.2	.3	.2											47	47	79	34															
49	.5	.8	2.0	1.0	.2													27	27	70	44															
47	.3	.3	1.7	1.0		.3												25	25	63	44															
45	2.9	4.4	1.2	1.7														60	60	81	91															
43	.2	.5	1.7															11	11	54	83															
41		.2	.5															4	4	16	81															
39	.2	1.2																8	8	17	53															
37	.2	.5																4	4	10	48															
35	.3																	2	2	5	28															
33																					22															
31																					12															
29																					10															
27																					7															
TOTAL	5.9	13.4	14.1	11.8	13.1	13.8	11.8	8.4	4.5	2.7	.5							595	595	595	595															

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 60 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2530910	37046	62.3	9.439	595			13.4	5.9	.8		93
Wet Bulb	1907013	29747	50.0	5.775	595							93
Dew Point	1134026	25712	43.2	6.212	595		4.5					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

176193 BAUMHOLDER DL 74-83 MAY
 STATION STATION NAME YEARS 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			
77/31									1.2									6	6					
77/79								.6	.2									5	5					
77/77								.6	.4	.2								6	6					
77/75								.7	1.0	1.4								13	13					
74/72							.6	.4	1.0	.7	.4							13	13					
72/71							.6	.8	.6	.4								12	12					
77/69							.8	1.4	.4	.4								15	15					
66/67					.4	.4	.8	1.0	.9	.5								20	20					
78/65					.6	.4	1.0	1.4	.2									18	18	8				
84/63				1.2	.4	1.8	4.1	2.0	.8									51	51	5				
82/61			.8	1.4	1.7	3.7	2.0	.6	.4									49	49	5				
87/59		.2	.5	1.6	2.0	2.7	.8	.4										42	42	16	2			
87/57		.8	1.2	.8	1.0	1.8	.6	.6										34	34	42	2			
87/55		1.0	1.0	1.2	.6	1.6	.8											32	32	38	11			
87/53	.4	2.0	.6	1.4	1.8	1.7	.2											37	37	43	24			
82/51	.2	1.2	2.4	2.4	.4													33	33	40	16			
87/49	.8	1.4	1.2	1.0	.7													23	23	56	40			
89/47	.6	1.4	1.8	.6		.2												24	24	50	32			
88/45	2.9	1.4	1.8	.4	.4													34	34	67	84			
44/43	.2	.6	.4															6	6	27	33			
47/41	.4	1.4																7	7	13	76			
40/39	.8	.2																5	5	11	39			
37/37	.2	.4																3	3	3	37			
36/35	.2	.2																1	1	3	24			
36/33	.2																	1	1	2	21			
32/31																					12			
30/29																					19			
28/27																					7			
TOTAL	5.7	17.0	13.3	12.2	9.2	13.7	12.4	10.4	5.5	4.7	.6	.2						490	490	490	490			

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1715567	28629	58.4	9.364	490			17.1	8.2	1.3		93
Wet Bulb	1261064	24696	50.4	5.789	490							93
Dew Point	928768	21100	43.1	6.423	490		5.5					93

USAFETAC FORM 0-26-5 (OL A) 1-54 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 8190 SAUMHOLDER DL 73-82 JUN

PAGE 1 0600-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/75								.2										1	1		
74/73								.2										1	1		
73/71						.5		.2										2	3		
73/69					.5	.7		.2										6	6		
67/67			.2	.2	.5	.5		.2										7	7		
66/65			1.2	.5	2.7	.5												17	17	1	
64/63		1.7	1.7	3.2	1.0	.2												31	31	3	
62/61	.5	2.0	2.0	2.0	1.0	.2												21	31	27	6
60/59	.5	3.2	5.2	2.5	.5	.2												49	49	26	19
58/57	2.0	3.7	2.5	1.7	.5													42	42	50	31
58/55	1.0	5.7	2.5	1.5	1.2													48	48	52	33
54/53	1.2	5.7	2.7	1.7	.2													47	47	53	46
52/51	1.5	3.2	2.7	1.0														31	31	49	65
50/49	.7	5.4	2.2	.2														35	35	39	42
47/47	.2	3.3	1.7	.7														23	23	44	35
47/45	2.0	2.5	.5															20	20	33	55
44/43		.7	.2															4	4	14	32
42/41		1.5	.2															7	7	8	25
41/37		.5																2	2	3	7
37/37																				3	6
35/35																					4
34/33																					1
TOTAL	9.5	39.8	24.9	15.1	7.7	2.7	.7	.4										405	405	405	405

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1241056	22629	56.9	6.447	405			4.0	.4			90
Wet Bulb	1128798	21270	52.5	5.388	405							90
Dew Point	1018255	20161	49.8	5.594	405							90

USAFETAC FORM 34 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-190 STATION WAUMHOLDS DL 73-6? 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																		
87/ 81																																		5	5				
86/ 79																																		3	3				
77/ 77										.3	.3	.5	1.0																					13	13				
76/ 75										.5	.5	1.2																						16	16				
74/ 73										1.0	.7	1.1																						16	16				
77/ 71										.7	1.0	1.1	1.1	.3																				23	23				
77/ 69					.2	.2	1.5	1.6	1.6	.7																									32	32			
68/ 67						.2	1.3	1.5																											18	18	4		
66/ 65						1.1	.2	1.3	2.3	.7																									37	37	0		
64/ 63						1.0	2.1	3.4	4.7	2.0	.2																									79	79	20	5
67/ 61						.7	.3	1.3	3.3	1.3	.8	.3																								52	52	51	10
60/ 59						.2	1.3	5.4	2.5	3.4	.8																									83	83	53	24
58/ 57						.2	3.0	2.6	2.7	1.3	.2																									59	59	79	38
57/ 55						.6	2.3	1.1	1.3	1.1	.2																									42	42	103	44
74/ 53						.5	1.3	3.3	1.3	.5																										42	42	68	76
77/ 51						.2	1.6	2.1	1.0	.2																										30	30	60	94
57/ 49						.3	1.0	1.7	.3	.3																										23	23	51	69
47/ 47						.2	1.0	1.1	.3																											16	16	44	57
47/ 45						1.3	.7	.5																												15	15	35	100
44/ 43						.2	.2	.2	.2																											4	4	13	34
47/ 41						.3																														2	2	5	36
47/ 32																																						3	11
57/ 37																																						7	
77/ 35																																						1	
37/ 33																																						1	
77/ 31																																						2	
77/ 29																																						1	
TOTAL						4.3	13.9	23.0	17.0	17.4	12.3	5.4	4.3	1.6	.8																					610	610	610	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						= 60 F	= 62 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2287368	37044	60.7	7.875	610			18.6	7.8	.9		90
Wet Bulb	1938127	3320	54.6	5.449	610			.6				90
Dew Point	1536569	30431	49.9	5.506	610		.4					90

USAFETAC FORM 0-26-5 (OL A) REVISION WITHOUT EDITING OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10190 LAUMHOLDER OL 73-87 JUN 1970-1971
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

PAGE 1 1270-1401

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 37																		2	2																		
61 65																		4	4																		
64 63																		6	6																		
67 61																		13	13																		
71 79																		15	16																		
77 77																		11	21																		
78 75																		10	34																		
74 77																		13	33																		
77 71																		10	39																		
77 69																		11	31	2																	
67 67																		16	26	5																	
66 65																		41	42	28																	
64 63																		40	91	72	13																
62 61																		54	54	74	3																
59 59																		57	57	78	20																
57 57																		55	55	77	30																
55 55																		31	31	33	45																
54 53																		18	18	67	76																
53 51																		18	18	66	61																
51 49																		10	10	34	72																
47 47																		11	11	30	55																
46 45																		4	4	18	109																
44 43																		1	1	10	41																
42 41																		1	1		45																
40 39																				1	12																
37 37																					10																
37 35																					3																
32 31																					2																
27 27																					1																
TOTAL	1.0	7.0	11.0	13.0	18.0	15.0	11.0	9.0	8.0	5.0	1.0	1.0	1.0	1.0				615	616		615																

Element (K)	Z ₁	Z ₂	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2351111	36779	59.8	15.714	615	≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	
Dry Bulb	2615432	39764	64.6	8.649	616			32.4	18.4	5.1		90
Wet Bulb	1942631	34403	55.7	5.442	615			1.0				90
Dew Point	1514499	30321	49.3	5.650	615							90

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

123

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 1190 SAGMHOLDE DL STATION NAME 75-82 YEARS MONTH 1966

PAGE 1 1966-17

HOURS (L.S.T.)

USAFETAC FORM 3044 0-26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																		
87																				.6															3	7				
86																																				3	3			
83																																								
81												.2	.7	1.1				.2	.4																14	14				
79								.2			.7	.7	1.3				.4																			10	18			
77								.4			1.2	1.5	1.9																							30	30			
75								.2		.7	.7	1.1																								15	15			
73								.6		1.3	1.5	.7																								22	22			
71							.4	.4		2.6	.5	.7	.2																							26	26			
69									.2	1.7	2.2	.2																								33	33			
67			.2	.2	1.7	2.4	1.1	1.1	.2																											37	37	4		
65			.7	.2	1.7	3.0	1.5	.2																												43	43	14		
63	.2	1.1	.7	4.1	3.0	4.1	1.5	.4																												66	73	4		
61		.7	1.9	1.9	1.9	2.2	.5	.2																												50	53	10		
59		.9	2.2	1.3	2.5	.7	.2																													43	43	71	10	
57	.4	.6	.2	2.4	2.4	.6	.2	.2																												37	37	55	35	
55		1.1	1.1	1.1	1.1																															24	24	61	39	
53		.4	.7	1.5	.7																															18	18	67	54	
51	.4	.2	1.1	.7	.2																															14	14	50	67	
49		.8	.6	.8																																8	8	33	33	
47		.6	.4																																	5	5	32	59	
45			.4																																	2	2	7	95	
43																																							0	41
41																																							0	33
39																																							0	14
37																																							0	3
35																																							0	3
33																																							0	1
27																																							0	1
TOTAL		.6	.2	.3	.3	.4	.1	.7	.6	1.6	.5	1.2	.3	.9	.4	.5	.8	4.9	.5	.9	.4	.2													534	534		534		

Element (X)	$\Sigma X'$	ΣX	Σ	$\%_a$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	1944237	311221	58	315	650							
Wet Bulb	271412	34844	65	3	310			34.8	18.2	4.7		93
Dew Point	1699899	30003	56	2	156							96
	1308672	26276	49	2	603							60

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GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-1190 DASHHOLDER DL STATION NAME 73-82 YEARS JULI MONTH

PAGE 1 2601-GR-C HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73				.2		.2	.2											3	7						
72/ 71					.2	.7	.2											6	6						
71/ 69			.2		.7	.2	.2											6	6						
68/ 67				.2	1.5	.2	.2											9	0	2					
67/ 65		.2	.5	.7	2.0	1.0												18	19	1					
64/ 63	.2	2.7	2.2	3.2	2.0													42	42	11	3				
62/ 61	.2	2.4	5.1	1.5	.2	.7												42	42	27	10				
60/ 59	.2	4.4	4.4	1.7	1.0													51	51	12	13				
57/ 57	.2	4.9	2.9	2.4	.7													46	46	51	41				
56/ 55	1.2	6.1	6.1	1.5	.2													62	62	51	49				
54/ 53	1.5	4.2	2.7	.7	.7													38	38	6	60				
52/ 51	1.5	5.2	3.7	.7														46	48	6	55				
51/ 49	1.2	2.7	1.2	.2														22	27	43	46				
48/ 47	.7	2.4	.2															12	12	37	61				
47/ 45	.2	.5	.2															4	4	10	42				
44/ 43																				5	19				
42/ 41																					1				
40/ 39																					2				
37/ 37																					1				
TOTAL	7.3	36.4	31.1	3.4	8.3	3.2	1.2												409	409	409				

Element (X)	$\sum x^2$	$\sum x$	\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	2730721	32919	60.5	11.201	409			5.5	7			43
Wet Bulb	1366976	23553	57.6	5.600	409			2				43
Dew Point	1389362	21022	51.4	8.661	409							43

SAFETAC FORM NO. 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/AC

PSYCHROMETRIC SUMMARY

107198 SAMMHOEDER DL 73-87 STATION STATION NAME YEARS MONTH

PAGE 1 0920-1100
 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														
31																		1	1																
33																		2	2																
35																		3	3																
37																		15	15																
39						.7	1.1	1.1										21	21																
41					.7	1.5	2.5											23	23																
43				.2	.3	.7	2.3											25	25																
45			.7	.7	3.1	1.5												34	34																
47			.7	.7	3.1	1.5												40	40		1														
49			1.1	.5	3.4	1.1	.2											39	39		1														
51	.2	1.5	1.6	4.9	2.6	2.1	.2											79	79		4														
53		1.1	2.0	1.3	1.3	.7												45	45		2														
55	.2	1.5	2.1	3.4	2.4	.3												51	51		3														
57	.2	2.0	4.6	4.6	.8													50	51		48														
59	1.0	2.3	2.6	2.1	.3													3	3		79														
61	.2	2.0	1.6	.6	.5													36	36		61														
63	.7	2.3	1.3	.2														27	27		59														
65	.2	.2																10	10		77														
67	.5																	3	3		75														
69																					1														
71																					7														
73																					48														
75																					2														
TOTAL	3.7	14.8	17.2	19.7	17.1	11.7	9.1	3.1	1.5	.8	.5							614	614		614														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Num.						≤ 60 F	60-65 F	65-70 F	70-75 F	≥ 75 F	
Dry Bulb	2443731	33504	62.7	7.463	614			27.4	12.4	1.2	93
Wet Bulb	1066926	39642	56.4	4.819	614			.9			52
Dew Point	1662460	31820	51.8	4.682	614			.2			93

USAFETAC FORM 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

1 195 STATION BAUMHOLDER DL STATION NAME YEARS 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																	
97/97																																	4	4				
87/85																						2	1	1	2								4	2				
84/83																																	9	9				
82/81																																		7	25			
79/79																																		21	21			
77/77																																		34	34			
76/75																																		10	12			
74/73																																			42	42		
72/71																																			42	47		
71/69																																			45	45		
69/67																																			29	29	14	
68/65																																			44	44	46	
67/62																																			60	60	7	
62/61																																			51	51	12	
59/59																																			3	53	72	
57/57																																			51	51	50	
57/55																																			34	34	72	
54/53																																			21	21	64	
51/51																																			9	9	53	
50/49																																			2	2	26	
47/47																																			2	2	7	
47/45																																						
47/43																																						
47/41																																						
47/39																																						
TOTAL																																				613	613	613

Element (X)	ΣX'	ΣX	\bar{X}	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2334817	37024	62.4	15.6	613	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F
Dry Bulb	276322	40219	66.6	8.6	613			40.2	24.6	7.9	
Wet Bulb	265200	35442	57.8	5.1	613			4.4			
Dew Point	164060	31558	51.5	5.1	613						

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

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FEDERAL CLIMATOLOGY BRANCH
WASH DC METAC
APPLICATOR SERVICE/AC

PSYCHROMETRIC SUMMARY

1 19 16 JUMHOLDER DL 73-87 1973-1974
STATION STATION NAME YEARS MONTH
PAGE 3

1578-1742
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																	
97																																		2	2			
97																			.4															4	4			
88																		.4	.4														4	4				
82																		.4	.4	.4													16	16				
81													.4	1.3	1.1				.4														21	21				
79													1.3	1.8	1.1				.4														28	28				
77												.4	1.1	1.3	.7																		23	23				
77									.2			.6	1.7	1.5	.9																		31	31				
72							.2		.8			1.7	1.9	.9																				28	28			
71					.2		.6	1.1	2.8	.9	1.5																							33	33		1	
67					.7		1.9	1.8	3.3	.6	.4																							49	49		9	
67					.4		1.7	1.9	1.9	.2																								31	31		14	
65			.6	.4	.6	1.7	.9	1.3	.4																									41	31		78	
62	.4	.4	1.5	2.6	1.7	2.6	1.9	.2																										41	41		46	
61		.8	1.3	3.4	2.1	1.1																												48	45		6	
59	.4	.8	2.3	1.7	4.8	.6																												54	54		55	
57		.6	2.3	2.3	.4	.6																												73	33		84	
55		1.1	1.2	1.1	.4																													24	24		51	
53		.7	.4	.2																														7	7		43	
51		.7	.4	.2																														4	4		61	
49	.2	.4																																3	3		14	
47		.6																																2	2		3	
47		.6																																1	1		2	
45		.6																																	1	1		1
41																																					15	
37																																					4	
TOTAL		.7	6.8	10.2	13.2	15.0	12.4	15.4	9.9	8.3	4.5	2.3	1.1	.2																				532	572		532	

Element (X)	Σ x'	Σ x	I	Σ x ²	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	1344263	31.331	58.3	15.942	532						
Dry Bulb	2453703	35845	67.4	8.520	532			46.7	76.7	9.1	93
Wet Bulb	1804114	30866	59.0	8.206	532			4.2			93
Dew Point	1408311	27229	51.2	8.256	532						93

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

1
2
1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

14190 LAUMHOLDER DL 73-8? AIR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77-69				.2	.7	.5												6	6																
67-67			.7	.5														5	5																
67-65			1.2	.5														7	7	5															
47-63	.2	2.7	2.2	.7	.5													25	24	6	4														
67-61	1.2	4.9	2.7	1.2	.2													79	79	77	13														
77-59	1.0	7.1	4.7	1.2	1.5													63	63	38	26														
77-57	1.7	7.9	3.4	1.5														57	57	40	45														
67-55	3.4	7.1	2.9	.5														57	57	60	53														
67-51	1.5	10.0	2.9	1.0														71	71	71	44														
77-51	1.5	4.2	1.2	.2														79	29	66	67														
67-47	.5	2.9																14	14	31	58														
67-47		1.5	1.5															17	11	17	32														
67-45	.5	2.2	.5															13	13	13	37														
64-43	.7	1.5																5	5	11	9														
67-41	.7	.2																4	4	6	14														
67-37		.2																1	1	1	5														
TOTAL	12.5	84.1	22.9	6.6	3.4	.5												457	457	407	407														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	330473	34913	85.8	9.250	407	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1293112	22886	56.2	5.255	437			2.5				93
Wet Bulb	1184979	21143	53.9	4.790	437							43
Dew Point	1108499	21143	51.9	5.001	407							93

USAFETAC FORM 0-26-5 (OL A) REV-10 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

1952 AMHOLD, D. D. STATION NAME 77-6 YEARS AUG MONTH

PAGE 1 0000-1111 HOURS (11-11)

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				
97/91													.1	.2																					2	2				
96/79										.2	.3	.4	.5																						4	4				
94/77											.6	.8	1.0	1.2																					8	8				
92/75														.2	.4																				11	11				
90/73						.5	.5	1.0	1.1	1.1	1.2	1.3	1.4	1.5																					23	23				
87/71								.5	1.0	1.2	1.3	1.4	1.5	1.6	1.7																				26	26				
84/69							.2	1.1	1.1	1.6	1.7	1.8	1.9	2.0	2.1																				33	33	4			
82/67								1.1	2.1	1.3	1.4	1.5	1.6	1.7	1.8																				36	36	6			
80/65				.3	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0																				52	52	16			
77/63					2.6	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1																				106	106	30			
77/61	.6	1.6	3.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1																				56	60	56			
67/59	.5	3.6	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1																				48	48	26			
57/57	.6	2.4	4.5	1.3	.5	.2																													59	59	174			
55/55	.3	2.8	4.8	1.9																															36	36	103			
47/53	.6	2.1	1.8	1.3	.2																														37	37	44			
51/51	.5	1.2	.2				.2																												11	11	41			
49/49	.2		.3																																3	3	35			
47/47																																				6	6	6		
47/45																																					5	5	5	
44/43																																								
42/41																																								
42/39																																								
37/37																																								
TOTAL	3.5	16.4	20.3	21.5	21.5	7.1	1.5	7.9	2.3	1.1																									17		617			
																																						617	617	

Element (X)	$\Sigma x'$	Σx	\bar{x}	$\%a$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 67	≤ 73	≤ 80	≤ 86	≤ 93		
Dry Bulb	3211745	43589	77.6	74.93	617				21.6	7.2	6	93
Wet Bulb	2445542	38690	62.7	62.66	617				1.1			93
Dew Point	1715001	32399	52.5	62.18	617							93

USAFETAC FORM 26-5 (0-1-51) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12192 LA JOLLA, CALIF. 73-82 YEARS MONTH 12 1960

PAGE 1 12192-1460
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																		
91																																		1	1				
85																																		1	1				
83																																		7	7				
81																																		16	16				
79																																		19	19				
77																																		50	50				
75																																		26	26				
73																																		44	44				
71																																		42	42				
69																																		53	53	7			
67																																		42	42	15			
65																																		54	54	7			
63																																		110	110	56	10		
61																																		50	50	79	15		
59																																		43	43	105	42		
57																																		30	30	108	56		
55																																			71	71	112	90	
53																																			10	10	64	89	
51																																			5	5	5	72	
49																																			1	1	5	67	
47																																						11	76
45																																				2	64		
43																																						27	
41																																					9		
39																																					3		
37																																					4		
35																																					2		
33																																					2		
TOTAL	2.2	5.1	3.3	13.72	7.4	19.7	8.1	8.1	2.9	1.1	.3	.3																								6.7	627	627	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	2374444	37352	59.6	15.443	627	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2675509	42209	67.3	7.374	627			48.9	24.6	6.1		93
Wet Bulb	2147771	36591	58.4	4.447	627			7.3				93
Dew Point	1701798	32509	51.8	5.176	627							93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

1 8195 SAUMHOLD-0 DL STATION NAME 13-87 YEARS 11 MONTH

PAGE 1 1000-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
91																																		1	1			
89																																		1	1			
87																																		3	3			
85																																		3	3			
83																																		11	11			
81																																		22	22			
79																																		22	22			
77																																		36	36			
75																																		35	35			
73																																		33	33			
71																																		30	30			
69																																		58	58	4		
67																																		34	34	19		
65																																		53	53	32	1	
63																																		69	69	62	11	
61																																		40	40	67	5	
59																																			42	42	91	24
57																																		25	25	89	66	
55																																		12	12	60	57	
53																																		12	12	59	73	
51																																				72	74	
49																																		5	5	16	57	
47																																				10	71	
45																																					60	
43																																					25	
41																																					7	
39																																					5	
37																																					3	
35																																					1	
33																																					2	
TOTAL	1.6	5.9	7.3	12.1	16.3	16.3	12.6	11.7	8.2	4.2	2.9	.7	.7	.2																				547	547	547		

Element (X)	Σx²	Σx	Σ	Σ²	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 30 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1948515	31423	57	16.205	547							
Dry Bulb	2578327	37311	68.2	7.972	547							93
Wet Bulb	1883891	32107	58.5	4.897	547							93
Dew Point	1463492	28158	51.5	5.137	547							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

100170 SAUMHOLDER DL 73-82 SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63				.5	.3													2	2		
62/ 61		1.0			.2													4	4		
61/ 59	1.0	3.3	1.6	.7														23	27	7	5
60/ 57	1.0	3.2	2.0	1.3														25	25	15	13
59/ 55	2.0	4.2	2.6	.7														29	29	22	17
47/ 53	1.3	4.2	2.3															24	24	20	20
47/ 51	1.3	7.2	1.3															20	30	30	21
52/ 49	3.6	4.9	1.6															31	31	38	35
47/ 47	3.9	5.9	2.3															37	37	43	40
42/ 45	6.2	6.8	1.0															43	43	44	55
44/ 43	3.3	4.2	.3															24	24	30	20
42/ 41	1.3	4.6	.3															15	19	20	29
47/ 39	2.3	1.3	.3															12	17	17	24
35/ 37	1.0	1.0																6	6	4	13
47/ 39	.3																	1	1	0	0
30/ 33																					3
TOTAL	28.352	415.6	2.9	.7														307	307	307	307

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	25161.1	27615	90.0	8.514	307							
Dry Bulb	768725	15251	49.7	6.021	307							90
Wet Bulb	722114	14788	48.2	5.655	307							90
Dew Point	662247	18361	46.8	5.791	307							90

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

FEDERAL CLIMATOLOGY BRANCH
 WSAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

1 1973 CA AMHOLDER DL 73-82 YEARS MONTH

PAGE 1 0908-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																	
77/77																																	1	1			
76/75																																	3	3			
74/73																																	1	1			
72/71																																	2	2			
71/69																																	1	1			
69/67																																	5	5			
66/65																																	13	13	1		
64/63																																	36	38	3		
62/61																																	41	41	15	3	
60/59																																	66	66	27	17	
59/57																																	59	59	65	12	
57/55																																	44	44	59	36	
54/53																																	40	46	61	55	
52/51																																	37	37	45	47	
50/49																																	29	29	60	50	
49/47																																	35	35	49	51	
47/45																																	21	21	32	75	
46/43																																	6	6	26	30	
45/41																																	2	3	5	31	
43/39																																			2	17	
41/37																																				0	
39/35																																				0	
TOTAL	5.3	32.2	27.6	19.3	8.9	4.7	.4	.3																									450	451	450		

Element (X)	Z _g	Z _w	X	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2805924	35084	78.3	12.541	450	≤ 67 F	≤ 72 F	≤ 77 F	≤ 80 F	≤ 93 F	
Dry Bulb	143373	25279	56.1	6.108	451			2.6	1.3		90
Wet Bulb	1238736	23522	52.2	5.118	450						96
Dew Point	1093179	22043	49.3	5.466	450						90

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

GLOBAL CLIMATOLOGY BRANCH
 WAFSC/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-0190 WAMHOLDER DL 73-80 SEE MONTH

PAGE 1 1204-14-0
 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															
87/ 81									.7	.4	.2							4	4																	
82/ 79									.7	.9	.2							6	6																	
77/ 77									.7	.7								2	2																	
76/ 75					.4	.2	.2											4	4																	
74/ 73					.4	.4	.2											5	5																	
72/ 71						.2	.4	.2	.9									11	11																	
70/ 69					1.3	1.3	.9	.4										16	20																	
65/ 67		.2	.9	1.8	1.6	1.1												25	25	3																
66/ 65		1.7	.4	2.7	2.5	1.1	.4											35	35	10																
64/ 63	1.1	1.3	4.5	3.5	4.7	1.3												72	72	11	1															
62/ 61	.4	3.4	2.5	2.2	1.6													45	45	32	5															
57/ 59	3.1	5.1	3.8	3.8	.9	.4												77	77	34	23															
57/ 57	1.6	4.0	2.9	1.6	.9													49	49	93	26															
56/ 55	.2	.9	1.8	1.3	.9	.2												24	24	75	47															
54/ 53	.9	2.2	1.1	.4														21	21	57	45															
52/ 51	.9	.9	.9															12	12	50	56															
51/ 49	.7	.2	1.1	1.3	1.1													21	21	33	48															
48/ 47	.2	.9	.4	.7														10	10	25	45															
47/ 45		.4																2	2	16	66															
44/ 43	.4																	2	2	11	39															
42/ 41																					16															
40/ 39																					17															
37/ 37																					7															
36/ 35																					6															
TOTAL	1.110	5.22	4.20	4.20	1.15	5.8	1.6	2.0	.9	.2								447	447	447	447															

Element (X)	Σx'	Σx	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2101747	30029	67.2	13.750	447			15.5	4.2	2.0		90
Wet Bulb	1690179	27317	61.1	6.827	447			.6				90
Dew Point	1113425	22161	49.6	5.750	447							90

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

GLOBAL CLIMATOLOGY BRANCH
 WPAFLTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

16190 BAUMHOLDER DL 73-82 SEP 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														
47 83									.3	.3								7	7																
52 81										.3								1	1																
57 79										.3								3	7																
77 77										.3								2	7																
75 75						1.1				.3								5	5																
74 73					.3	.3	.5	.5	.3									9	9																
77 71						.5	1.1	.5	.3									11	11																
77 69				.5	1.1	1.9	1.3	.5										20	23																
67 67				1.3	.9	3.8	1.1	.8										29	27	4															
67 65				1.1	2.1	3.2	.3											25	25	8															
64 63		.3	.8	2.1	5.6	4.0	1.9											55	55	12															
62 61	.3	.5	2.4	2.1	1.1	1.6	.3											31	31	19	2														
67 59		2.1	6.2	2.7	3.5	1.6	.3											61	61	77	13														
57 57		1.3	2.9	1.6	1.6	.3												29	29	62	25														
57 55		2.1	1.6	1.1	.3	.5												31	21	63	25														
54 53		1.1	1.3	2.1	.5													19	19	55	53														
52 51		1.3	1.9	.3	1.3													18	15	34	36														
57 49		1.6	.3	.3														8	8	29	42														
47 47	.3	.3	.5	.2														7	7	24	48														
47 45		1.3	.3	.3														7	7	12	48														
44 43		.3	.3															4	4	7	32														
42 41			.3															1	1	7	25														
47 38																				1	1														
37 37																					13														
37 35																					3														
TOTAL		517	312	316	418	213	8	7.7	2.7	2.7	1.3	.5						373	373	373															

Element (X)	Z ₁ '	Z ₂	Z	Z ₂	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1690009	24478	65.6	14.284	373	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1434212	22948	61.5	7.758	373			21.0	6.5	2.7		90
Wet Bulb	1122438	20377	54.6	5.289	373			1.0				90
Dew Point	913051	18335	49.2	5.629	373							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10-190 SAUMHOLDER FL 73-87 YEARS OCT MONTH

PAGE 1 0000-0000
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														
59		.5		.3														3	3																
57		.3	.3															2	2																
55	.3	1.3	.3															7	7	7	1														
53	.5	1.3	.5	.5														11	11	9	3														
51	2.5	3.6	.3															16	26	26	19														
49	2.1	2.3	1.3															12	22	22	23														
47	3.6	5.7	.5															38	38	34	24														
45	6.5	6.2	.5															51	51	46	31														
43	2.1	5.7	.5															32	32	37	32														
41	4.9	5.7	.5															47	47	44	33														
39	5.4	5.4																42	42	36	43														
37	4.7	4.1																34	34	41	36														
35	3.9	2.8																26	26	32	27														
33	1.8	2.3																16	16	20	21														
31	1.4	.5																9	9	15	14														
29	1.6	2.6																16	16	13	14														
27	1.0																	4	4	7	13														
25																																			
23																																			
21																																			
19																																			
17																																			
15																																			
13																																			
11																																			
9																																			
7																																			
5																																			
3																																			
1																																			
TOTAL	43.0	51.6	4.7	.8														386	386	306	386														

Element (X)	ΣX	ΣX^2	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3377932	36010	93.3	6.942	386							93
Dry Bulb	717198	16436	42.6	6.713	386		7.0					93
Wet Bulb	686867	16790	41.7	6.484	386		8.4					93
Dew Point	657581	15727	40.7	6.607	386		10.6					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 1990 GAUMHOLDER DL 73-80 STATION NAME YEARS MONTH

PAGE 1 HOURS 10 11 12

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point												
63				.5	.3													17	13														
61			.5	.5														14	14	10	11												
59		1.0	.5	.5	.2													24	24	23	23												
57		1.0	1.0	.9														34	34	33	33												
55	.5	1.2	.2															54	54	44	33												
53	.7	1.5	1.5	.3														70	70	57	51												
51	1.0	2.1	1.3															84	84	75	62												
49	2.2	5.0	1.7	.2														94	94	79	66												
47	4.1	5.2	2.2	.5														104	104	87	69												
45	4.6	3.8	2.6	.2														114	114	97	85												
43	2.6	7.1	.9	.3														124	124	107	97												
41	4.0	6.0	1.0															134	134	117	107												
39	3.8	3.3	1.5															144	144	127	117												
37	1.4	2.8	.7															154	154	137	127												
35	1.2	1.4	.5															164	164	147	137												
33	1.5	1.4	.2															174	174	157	147												
31		.3																184	184	167	157												
29	.2																	194	194	177	167												
27																		204	204	187	177												
25																		214	214	197	187												
23																		224	224	207	197												
TOTAL	2.4	2.4	0.1	0.6	4.5	.7												561	561	561	561												

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1291977	26523	45.2	6.471	581							581
Wet Bulb	1142894	25616	44.1	5.945	581		2.2					581
Dew Point	1064034	24606	42.5	6.158	581		5.6					581

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / SAC

PSYCHROMETRIC SUMMARY

1979 FAUMHOLDEN BL 73-87 057
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	De	Point																	
74/73																																		1	1				
73/71																																			1	1			
72/69																																			4	4			
69/67																																			3	3			
67/65																																			7	7			
64/63																																			13	13			
62/61																																			14	14		6	
61/59																																			23	23		10	
59/57																																			7	7		19	
58/55																																			41	41		16	
56/53																																			49	49		21	
54/51																																			60	60		32	
52/49																																			50	50		45	
51/47																																			55	55		59	
49/45																																			59	59		111	
48/42																																			43	43		81	
47/41																																			45	45		74	
46/38																																			22	22		71	
45/37																																			9	9		48	
44/35																																							
43/33																																				3	3		18
42/31																																							
41/29																																							
40/27																																							
39/25																																							
TOTAL	10.3	32.0	33.2	16.3	6.1	1.2	.7																													576	576		578

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	3719286	45938	79.3	12.75	578			1.4	.2			93
Wet Bulb	1467937	20924	46.6	5.914	578							93
Dew Point	1109832	25076	43.4	6.165	578		4.2					93

USAFETAC FORM 44 0 26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

1982 SAUMHOLDEN FL 73-31 YEARS MONTH

PAGE 1 15-178
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/ 71																																		4	4				
77/ 69																																			2	6			
87/ 67																																			4	4			
86/ 65																																			4	4			
84/ 63																																				16	18	3	
82/ 61																																				14	14	4	
81/ 59																																				16	16	6	
80/ 57																																				35	35	22	6
80/ 55																																				35	35	21	6
80/ 53																																				34	34	41	12
80/ 51																																				71	61	55	28
80/ 49																																				46	46	55	44
80/ 47																																				54	54	74	36
80/ 45																																				52	52	81	110
80/ 43																																				35	39	74	52
80/ 41																																				45	45	51	25
80/ 39																																				11	11	70	49
80/ 37																																				7	7	15	3
80/ 35																																				2	2	12	22
80/ 33																																				1	1	1	11
80/ 31																																						0	10
80/ 29																																							7
80/ 27																																							4
80/ 25																																							2
TOTAL	4.6	29.9	31.9	13.6	6.7	3.1	1.2																													521	521	521	

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3,463.57	40,415	78.0	12.416	521	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	136,364.3	26,381	50.6	7.316	521			2.5				93
Wet Bulb	117,253.4	24,524	47.1	5.910	521			5				93
Dew Point	10,128.57	22,767	43.7	5.983	521			1.4				93

REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 84 0-26-5 (OL A)

CENTRAL CLIMATOLOGY BRANCH
 SAFFETAC
 AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

1 1997 LAUMHOLDER DL 73-87 NOV
 STATION STATION NAME YEARS MONTH
 PAGE 1 05-0-11-0
 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 / 57																																	1	1			
2 / 56			.4	.4																													7	7			
3 / 53			1.8	.2	.2																												12	17			
4 / 51			1.2	.2																													13	13	13	3	
5 / 4			1.6	.9																													15	15	15	10	
6 / 47	1.1	3.1	1.3																														23	23	27	21	
7 / 46	2.6	3.4	2.4																														73	73	44	44	
8 / 45	1.5	2.2	1.6																														29	29	51	30	
9 / 41	1.6	3.9	1.6	.2																													57	57	45	52	
10 / 39	1.5	4.0	2.2																														43	43	43	47	
11 / 37	4.3	5.5	1.3																														63	63	56	46	
12 / 35	2.4	6.2	.9																														51	51	61	52	
13 / 33	3.7	2.4	.9																														39	39	62	55	
14 / 31	3.5	1.6	.4																														70	39	70	50	
15 / 29	2.6	2.7																															26	26	29	37	
16 / 27	1.9	2.4																															23	23	26	20	
17 / 26	.5	1.5																															11	11	9	18	
18 / 25	.2	1.3																															8	2	7	18	
19 / 21	1.5	.6																															18	17	14	9	
20 / 19	.2	.2																															2	2	4	3	
21 / 17	.2	.2																															1	1	2	3	
22 / 16																																					
23 / 13																																					
24 / 11																																					
TOTAL	24.9	54.8	15.4	.4	.5																													547	547	547	1

Element (X)	ΣX^2	ΣX	\bar{X}	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	4324641	48368	29.5	9.734	547							92
Wet Bulb	560897	21267	38.9	7.714	547		19.3					92
Dew Point	800595	20532	37.5	7.347	547		20.9					92
	730769	19535	35.7	7.788	547		29.9					92

USAFETAC FORM 0-26-5 (OL A) REVISED FEBRUARY 1967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WALSHVILLE, OL STATION NAME: 73-87 YEARS: NOV MONTH: NOV
 PAGE 1 1950-1950
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65				.2														1	1																
64/ 63					.4													2	2																
62/ 61																				1															
60/ 59				.2														1	1																
58/ 57				.4	.6	.7												9	9		1														
56/ 55			.8	.2	.4													6	6		1														
54/ 53	.2	.7	1.7	.4														16	16	7	2														
52/ 51		2.4	1.3	.6														26	26	14	8														
50/ 49		1.8	3.1	.4	.2													30	30	24	8														
48/ 47	.9	1.7	3.7	.2														35	35	32	21														
46/ 45	1.1	5.5	3.5	2.7														66	66	46	47														
44/ 43	1.7	3.5	1.8	.4														43	43	43	32														
42/ 41	2.9	5.3	5.3															74	74	57	69														
40/ 39	1.8	6.4	5.7	.2	.2													78	78	44	53														
38/ 37	2.0	4.3	.9	.5														45	45	71	39														
36/ 35	1.1	4.2	.4	.2														32	32	65	57														
34/ 33	1.8	1.8	1.7															29	29	42	53														
32/ 31	1.3	.4	.9															14	14	24	57														
30/ 29		2.7																12	12	13	15														
28/ 27	.6	2.9	.2															20	20	22	15														
26/ 25		.7																4	4	7	15														
24/ 23	.2	.7																5	5	5	28														
22/ 21																				4	9														
20/ 19																					3														
18/ 17																					2														
16/ 15																					1														
TOTAL	17.6	45.7	31.4	5.9	1.5													545	545	545	545														

Element (X)	Z _X	Z _Y	X	Y	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3536433	45343	83.2	10.245	545	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	975325	22747	41.7	7.333	545		9.1					90
Wet Bulb	74408	21516	39.5	6.776	545		12.4					90
Dew Point	765619	20739	36.8	7.277	545		23.9					90

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

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

106190 BALMORHOLDEN DL 73-82 1969
 STATION STATION NAME YEARS MONTH NOV

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														
53				.4														2	2																
50			.4	.4														3	3																
57			.4	.4														3	3																
55		.4		.4														5	5																
53	.4	1.2	1.4	1.4	.2													21	21	7	3														
51		1.3	1.0	.6														17	17	13	6														
49	.4	1.4	1.3	.4														19	19	26	13														
47	.6	2.2	3.1	.6														32	32	32	20														
45	1.2	3.2	3.8	1.0														50	56	43	40														
43	2.6	3.4	2.2	1.0														49	49	45	30														
41	1.3	7.4	4.1															66	66	33	49														
39	1.6	5.6	5.0		.2													62	62	43	63														
37	2.4	6.6	1.2															61	61	63	53														
35	.4	5.1	1.2															33	33	63	43														
33	2.0	1.0	.6															21	21	47	37														
31	.6	1.0	.4															11	11	15	69														
29		2.3																14	14	9	1														
27	.6	3.2																20	20	21	16														
25	.4	1.4																5	9	10	19														
23		.4																2	2	6	15														
21																					9														
19																					7														
TOTAL	10.50	32.0	16.9	.6														448	448	406	452														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3556832	41780	83.9	10.197	498	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	75512	70562	41.3	7.305	498		10.1					50
Wet Bulb	78237	19537	39.2	6.771	493		11.7					90
Dew Point	693918	18240	36.6	7.212	498		26.6					90

USAFETAC FORM 0-26-5 (OLA) 8-58 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

106190 SAUMHOLDER DL 73-87 068
 STATION STATION NAME YEARS MONTH

PAGE 1 1070-0800
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
47/47		1.4															5	5		
47/45	2.2	2.2	.3														11	21	16	16
47/42	1.1	2.5															15	13	14	8
47/41	.3	5.9	.6														24	24	15	7
47/39	2.2	2.5	1.1														21	21	20	26
47/37	4.2	3.2															29	29	25	26
47/35	3.1	6.7															24	35	38	21
34/33	2.8	4.2	1.1														29	29	22	30
37/31	4.5	2.9	.5														1	31	26	41
37/29	3.4	5.3															31	31	26	29
37/27	5.3	3.4															21	31	29	52
37/25	2.0	2.0															14	14	16	5
37/23	2.5	1.7															16	15	15	26
37/21	3.1	.6	.3														14	14	13	11
37/19	2.0	2.2															15	15	9	13
37/17	2.2	.6															10	10	19	12
37/15	.6	.9															6	6	5	11
37/13	.6	.6															4	4	7	5
37/11	.6																3	3	3	4
37/9	.6																2	2	2	6
37/7	.3																1	1	1	4
37/5	.3	.6															3	3	3	1
37/1																				1
37/-1																				1
TOTAL	45.55	1.4	3.6														358	358	356	358

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Ref. Num.	7029159	32237	21.6	7.987	358							
Dry Bulb	397332	11358	31.7	8.774	358		47.3					93
Wet Bulb	368259	11771	30.9	8.516	358		50.2					93
Dew Point	340266	10564	29.5	8.941	358	3	57.7					93

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

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1990 SAUMHOLZ D1 STATION NAME 73-62 YEARS MONTH DEC

PAGE 1 0400-1100 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														
57/ 51				.2														1	1																
56/ 45			.3	.2														3	3	1															
49/ 47			.5	.5														6	6	4	1														
44/ 45	2.6	2.4	.7	.3														35	35	23	18														
44/ 43	1.9	3.7	.3															12	32	24	24														
42/ 41	1.3	4.3	2.6															49	49	25	17														
40/ 39	3.1	4.2	1.4															50	50	40	46														
37/ 37	1.9	3.3	.7															34	34	40	43														
36/ 35	2.1	5.4	.3															51	51	44	48														
34/ 33	3.8	5.5	.5															57	57	66	47														
32/ 31	3.5	4.3	.5															46	43	42	65														
31/ 29	1.9	6.7	.2															51	51	54	44														
29/ 27	4.7	3.6																48	43	55	67														
27/ 25	.7	1.7																14	14	15	33														
25/ 23	1.9	2.8																27	27	19	38														
22/ 21	2.2	2.4	.2															26	28	25	43														
20/ 19	1.9	.9																16	16	25	15														
18/ 17	.9	.9																10	10	13	43														
16/ 15	.9	.3																7	7	9	19														
14/ 13	.5																	3	3	4	12														
12/ 11	.7	.3																6	6	6	10														
11/ 9																					5														
9/ 7																		1	1	1	1														
6/ 5																		1	1	1	3														
TOTAL	36.5	54.8	8.1	.5														578	578	578	578														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4235049	51499	89.1	8.979	578	= 67 F	= 72 F	= 77 F	= 80 F	= 83 F	
Dry Bulb	671737	19109	33.1	8.283	578		41.8				93
Wet Bulb	427629	18481	32.1	7.977	578		46.5				93
Dew Point	565418	17400	30.1	8.491	578		56.1				93

USAFETAC FORM 44 0-26-5 (OL A) REVISION 10/64 ERRORS OF THIS FORM ARE CRIMINAL

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

14190 BAUMHOLDER DL 73-62 600
 STATION STATION NAME YEARS 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
56/55																	3	7		
54/53			.2														2	2		
52/51			.2	.2													2	2		
50/49		.2	.6	.6													7	7		
48/47	.8	1.0	1.0	.4													16	16	9	4
46/45	2.7	3.1	1.1	.2													37	37	19	21
44/43	1.9	3.0	.6														19	29	15	24
42/41	1.1	5.5	2.5														48	48	26	33
40/39	1.7	2.9	2.5														37	37	19	32
38/37	2.1	3.4	2.9														44	44	24	40
36/35	1.7	4.4	3.2														49	49	43	27
34/33	4.4	7.0	2.1														74	74	77	45
32/31	1.7	5.3	2.1														46	48	63	51
30/29	.6	5.0	.2														71	31	49	45
28/27	3.1	2.7	.3														34	34	34	77
26/25	1.1	3.2	.5														26	26	16	33
24/23	1.7	1.5	.6														21	20	15	32
22/21		.2															1	1	12	18
20/19	.5	.4															6	6	6	12
18/17	1.3	.2															8	8	9	7
16/15	.6																3	3	4	10
14/13																				7
12/11																				6
TOTAL	27.6	49.9	21.7	1.3	.2												575	575	575	575

Element (X)	Z _g	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	3965658	45312	86.31	0.231	525	≤ 60 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	685773	18563	35.4	7.493	525		31.4					93
Wet Bulb	629616	17786	33.9	7.166	525		40.3					93
Dew Point	554121	16551	31.5	7.856	525		52.8					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

1 6190 SAUMHOLDER DL 73-82 015
 STATION MONTH YEARS

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															
57 / 55				.2														1	1																	
54 / 53				.5														2	2																	
50 / 49			1.9															8	8	1																
47 / 47	.5	1.0	1.0															10	10	5	2															
47 / 45	0.5	2.4	1.0															33	33	36	22															
44 / 43	1.0	3.6	.2															6	20	14	10															
42 / 41	1.2	6.7	.7															76	76	32	26															
40 / 38	1.2	4.8	1.4															31	31	34	23															
39 / 37	1.9	4.0	2.1	.2														35	35	29	31															
37 / 35	1.2	6.7	1.9															41	41	32	46															
36 / 33	5.0	9.0	1.9															67	67	67	33															
32 / 31	2.1	6.9	1.2															42	42	64	47															
30 / 29	.5	6.7																30	30	40	39															
28 / 27	2.9	3.1	1.2															36	30	30	67															
27 / 25	1.7	1.9	.2															16	16	17	30															
24 / 23	1.2	.7	.5															10	10	14	25															
22 / 21	.2	.2																2	2	4	9															
2 / 19	.5	.5																4	4	5	6															
17 / 17	.8																	2	2	4	4															
16 / 15	.2																	1	1	1	5															
14 / 13																					5															
12 / 11																					3															
TOTAL	26.158	0.15	0.0	1.0														421	421	421	421															

Element (X)	Z _g ¹	Z _g	X	°s	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	322.0068	366.02	86.9	9.895	421	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	552550	14930	35.6	6.820	421		30.3					93
Wet Bulb	509824	14386	34.2	6.555	421		39.5					93
Dew Point	852940	13858	32.0	7.357	421		53.0					93

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

USE...
 ...

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION

STATION NAME

YEARS

HR. INT.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN	29.9	30.0	36.1	39.7	48.4	55.9	57.6	56.2	49.7	42.6	37.2	31.7	43.2
	S. D.	9.652	7.376	7.298	6.371	6.523	6.447	5.640	5.255	6.021	6.713	8.204	8.774	12.235
	TOTAL OBS.	355	355	420	405	396	405	409	407	307	386	358	358	4561
09-11	MEAN	31.0	32.2	39.2	45.1	53.4	60.7	62.7	62.7	56.1	45.8	38.9	33.1	46.9
	S. D.	9.333	6.954	6.819	7.666	8.051	7.875	7.463	6.066	6.108	6.471	7.714	8.283	13.772
	TOTAL OBS.	557	533	649	606	592	610	614	617	451	581	547	578	6935
12-14	MEAN	33.8	36.0	43.1	49.3	57.4	64.6	66.6	67.3	61.1	49.8	41.7	35.4	50.9
	S. D.	8.239	6.851	7.059	8.803	9.100	8.649	8.660	7.374	6.827	6.829	7.333	7.493	14.386
	TOTAL OBS.	549	521	644	605	595	616	613	627	447	578	545	525	6865
15-17	MEAN	34.4	36.5	44.3	50.0	58.4	65.3	67.4	68.2	61.5	50.6	41.3	35.6	51.5
	S. D.	7.958	6.964	7.340	9.049	9.364	8.310	8.520	7.972	7.758	7.316	7.305	6.820	14.544
	TOTAL OBS.	501	482	597	521	490	534	532	547	373	521	498	421	6017
	MEAN													
	S. D.													
	TOTAL OBS.													
	MEAN													
	S. D.													
	TOTAL OBS.													
	MEAN													
	S. D.													
	TOTAL OBS.													
ALL HOURS	MEAN	32.5	33.9	41.0	46.4	54.8	62.0	64.0	64.2	57.5	47.5	40.0	34.0	48.4
	S. D.	8.941	7.460	7.731	8.978	9.191	8.688	8.582	8.114	8.068	7.484	7.791	8.001	14.210
	TOTAL OBS.	1962	1891	2310	2137	2073	2165	2168	2198	1578	2066	1948	1882	24378



GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN	29.1	29.3	35.0	37.9	45.7	52.5	54.1	53.9	48.2	41.7	36.1	30.9	41.5
	S D	9.234	6.993	7.113	5.887	5.568	5.388	4.537	4.790	5.655	6.484	7.846	8.516	11.231
	TOTAL OBS	355	355	420	404	396	405	409	407	307	386	358	358	4560
09-11	MEAN	30.1	31.1	37.3	41.2	48.1	54.6	56.4	56.9	52.2	44.1	37.5	32.0	43.6
	S D	8.842	6.376	6.353	6.109	5.698	5.449	4.804	4.181	5.018	5.945	7.347	7.977	11.490
	TOTAL OBS	557	533	649	606	592	610	614	617	450	581	547	578	6934
12-14	MEAN	32.5	34.1	39.7	43.4	50.0	55.9	57.8	58.4	54.7	46.6	39.5	33.9	45.8
	S D	7.597	5.970	6.063	6.401	5.775	5.442	5.119	4.447	5.084	5.814	6.776	7.186	11.049
	TOTAL OBS	549	521	644	605	595	615	613	627	447	578	545	525	6864
15-17	MEAN	33.0	34.3	40.4	43.6	50.4	56.2	58.0	58.5	54.6	47.1	39.2	34.2	45.9
	S D	7.290	5.919	6.195	6.245	5.789	5.156	5.006	4.497	5.289	5.910	6.771	6.595	10.948
	TOTAL OBS	501	482	597	521	490	534	532	547	373	521	498	421	6017
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	31.3	32.4	38.3	41.8	48.7	55.0	56.8	57.1	52.7	45.1	38.3	32.8	44.4
	S D	8.340	6.581	6.678	6.534	5.972	5.525	5.103	4.766	5.775	6.330	7.252	7.682	11.314
	TOTAL OBS	1962	1891	2310	2136	2073	2164	2168	2198	1577	2066	1948	1882	24375

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

USE APPROPRIATE SECTION
 SEE FIRST PAGE

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL 73-83
 STATION STATION NAME YEARS

HRS. L.S.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	27.9	27.8	33.3	35.6	42.9	49.8	51.4	51.9	46.8	40.7	34.7	29.5	39.6
S.D.	9.158	7.161	7.876	6.298	6.002	5.594	4.661	5.001	5.791	6.607	8.194	8.941	11.116
TOTAL OBS.	355	355	420	404	396	405	409	407	307	386	358	358	4560
MEAN	28.6	29.2	34.6	36.6	43.1	49.9	51.8	52.5	49.0	42.4	35.7	30.1	40.4
S.D.	8.785	6.389	7.085	6.586	5.992	5.506	4.682	4.718	5.466	6.158	7.788	8.491	10.840
TOTAL OBS.	557	533	649	606	592	610	614	617	450	581	547	578	6934
MEAN	30.4	31.2	35.6	36.8	43.2	49.3	51.5	51.8	49.6	43.4	36.8	31.5	41.1
S.D.	7.520	6.120	7.127	6.939	6.212	5.650	5.019	5.176	5.750	6.165	7.277	7.856	10.141
TOTAL OBS.	549	521	644	605	595	615	613	627	447	578	545	525	6864
MEAN	30.7	31.1	35.5	36.6	43.1	49.2	51.2	51.5	49.2	43.7	36.6	32.0	40.9
S.D.	7.394	6.042	7.405	6.886	6.423	5.603	5.256	5.137	5.629	5.983	7.212	7.357	9.993
TOTAL OBS.	501	482	597	521	490	534	532	547	373	521	498	421	6017
MEAN													
S.D.													
TOTAL OBS.													
MEAN													
S.D.													
TOTAL OBS.													
MEAN													
S.D.													
TOTAL OBS.													
MEAN	29.5	30.0	34.9	36.5	43.1	49.5	51.5	52.0	48.8	42.7	36.1	30.8	40.6
S.D.	8.252	6.515	7.373	6.718	6.158	5.592	4.922	5.020	5.733	6.289	7.614	8.215	10.509
TOTAL OBS.	1962	1891	2310	2136	2073	2164	2168	2198	1577	2066	1940	1882	24375

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

6000
 5000
 4000

RELATIVE HUMIDITY

106190
 STATION

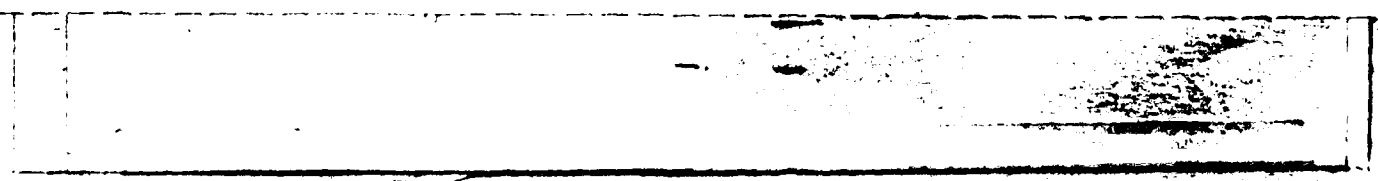
BAUMHOLDER DL
 STATION NAME

74-83
 PERIOD

FEB
 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%			
FEB	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.7	92.7	59.4	91.6	355	
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	97.2	56.7	49.5	88.9	533	
	12-14	100.0	100.0	100.0	100.0	100.0	96.9	63.3	63.0	30.7	83.2	521	
	15-17	100.0	100.0	100.0	99.8	98.5	94.8	78.7	56.9	30.5	91.6	482	
	18-20												
	21-23												
TOTALS		100.0	100.0	100.0	100.0	99.6	97.9	89.6	74.6	42.5	86.4	1891	



GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

106190 STATION SAUMHOLDER DL STATION NAME 74-83 PERIOD MAR 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		
MAR	01-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	97.1	84.8	53.8	9.0	420
	09-11	100.0	100.0	100.0	100.0	98.9	96.5	86.6	66.7	37.0	34.0	349
	12-14	100.0	100.0	99.2	98.3	94.3	84.8	68.3	34.9	18.5	76.3	344
	15-17	100.0	99.5	99.0	97.2	91.6	79.2	59.7	34.2	13.1	73.1	307
	18-20											
	21-23											
	24-26											
	27-29											
	30-31											
	TOTALS	100.0	99.9	99.6	98.9	96.7	90.0	77.8	56.4	29.9	80.9	2310

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 6190 STATION SAUMHOLDER DL STATION NAME 74-P3 PERIOD

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
APR	00-23											
	04-05											
	05-08	100.0	100.0	100.0	100.0	79.5	46.8	89.4	71.3	37.9	71.1	404
	09-11	100.0	100.0	99.5	97.9	90.4	76.1	60.4	77.7	15.1	74.1	113
	12-14	100.0	100.0	98.0	89.6	76.2	55.0	40.0	11.0	9.1	64.1	577
	15-17	100.0	100.0	97.1	84.5	70.8	52.2	35.0	71.7	7.9	63.0	501
	18-21											
	21-23											
TOTALS		100.0	100.0	98.9	93.0	64.2	7.5	57.2	31.0	17.7	70.1	1131

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1. 5197
STATION

BAUMHOLDER DL

STATION NAME

74-83

PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURENCF (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%			
MAY	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	99.0	90.4	81.3	60.1	28.3	62.5	396	
	09-11	100.0	100.0	100.0	97.1	85.8	67.1	50.8	31.4	13.2	71.3	590	
	12-14	100.0	100.0	93.3	85.4	67.2	46.7	35.6	21.0	8.9	62.3	595	
	15-17	100.0	100.0	95.3	81.0	61.2	43.9	33.7	13.8	7.6	51.1	490	
	18-20												
	21-23												
	24-26												
	27-29												
	30-31												
TOTALS		100.0	100.0	99.4	80.9	76.2	62.0	50.7	30.0	14.5	69.8	2,733	

USAFETAC

FORM
JUL 64

C-87-5-OL A1

CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

16190 STATION LAUMHOLDER DL 73-80 PERIOD JUN 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%			
JUN	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	99.3	93.3	79.8	55.1	17.8	67.9	405	
	09-11	100.0	100.0	100.0	98.2	89.7	68.4	48.7	28.5	5.9	69.2	610	
	12-14	100.0	100.0	99.0	91.1	70.7	42.8	25.4	11.2	2.6	59.8	615	
	15-17	100.0	100.0	98.7	87.0	66.7	35.9	21.5	4.4	2.6	50.3	534	
	18-20												
	21-23												
TOTALS		100.0	100.0	99.2	94.0	81.5	61.1	43.0	24.0	7.2	67.1	2164	

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

USE WITH CaUTION

RELATIVE HUMIDITY

104190
 STATION

BAUMHOLDER DL

STATION NAME

73-82

PERIOD

JUL
 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%			
JUL	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	99.0	94.4	82.7	51.1	14.4	60.5	409	
	09-11	100.0	100.0	99.8	98.2	90.6	69.1	47.4	23.5	6.7	69.2	614	
	12-14	100.0	100.0	99.2	91.8	71.8	45.4	28.1	12.1	2.3	60.4	613	
	15-17	100.0	100.0	98.3	88.3	63.9	39.8	23.3	1.9	2.3	58.3	532	
	18-20												
	21-23												
TOTALS		100.0	100.0	99.3	94.6	81.3	62.2	45.3	24.4	6.4	67.1	2168	

USAFETAC

FORM
 JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFIP WEATHER SERVICE/MAC

REPORT SECTION
PAGE

RELATIVE HUMIDITY

106190 STATION BAUMHOLDER DL 73-82 AUG 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%
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.8	93.4	74.4	28.7	85.8	407
	09-11	100.0	100.0	100.0	99.2	92.7	73.1	51.4	23.8	6.5	70.6	517
	12-14	100.0	99.8	99.0	90.0	71.6	42.7	22.2	9.7	3.5	59.6	627
	15-17	100.0	99.6	97.6	85.7	64.5	36.4	20.7	9.3	3.7	57.4	547
	18-20											
	21-23											
TOTALS		100.0	99.9	99.7	93.7	82.2	62.8	46.9	24.3	10.6	68.4	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

ICE ... COLLECTION
SEP ... PAGE

RELATIVE HUMIDITY

106190 BAUMHOLDER DL 73-82 SEP

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%			
SEP	09-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	98.4	84.4	51.8	90.0	307	
	09-11	100.0	100.0	100.0	100.0	98.4	90.0	74.0	43.6	15.3	78.0	450	
	12-14	100.0	100.0	100.0	97.8	89.0	64.7	41.4	16.8	2.9	67.2	447	
	15-17	100.0	100.0	100.0	94.9	86.1	59.2	39.4	14.3	3.8	65.6	373	
	18-20												
	21-23												
TOTALS		100.0	100.0	100.0	98.2	93.4	78.3	63.3	41.0	18.5	75.2	1577	

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

136190 STATION BAUMHOLDER DL STATION NAME 73-82 PERIOD OCT 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%		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.8	67.6	93.3	386
	09-11	100.0	100.0	100.0	100.0	100.0	99.5	95.5	77.5	42.3	88.2	581
	12-14	100.0	100.0	100.0	100.0	99.3	91.3	77.0	45.2	19.0	79.3	578
	15-17	100.0	100.0	100.0	100.0	98.8	91.6	73.7	41.8	17.1	78.0	521
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.5	95.4	86.5	64.8	36.5	84.7	2066

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

USE PREVIOUS EDITION
 SEE 17-50-100

RELATIVE HUMIDITY

108190
 STATION

BAUMHOLDER DL
 STATION NAME

73-82
 PERIOD

NOV
 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%		
NOV	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	98.6	95.8	57.0	91.1	358
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	97.6	79.3	45.0	88.5	547
	12-14	100.0	100.0	100.0	100.0	99.8	97.2	88.1	56.0	28.1	93.2	545
	15-17	100.0	100.0	100.0	100.0	99.8	99.4	88.6	63.7	26.9	81.9	498
	18-20											
	21-23											
	24-26											
	27-29											
	30-NOV											
	TOTALS	100.0	100.0	100.0	100.0	99.9	99.1	93.2	73.0	39.3	86.7	1948

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

106190
STATION

BAUMHOLDER DL
STATION NAME

73-82
PERIOD

DEC
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%			
DEC	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.4	92.2	59.2	91.6	358	
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	97.8	82.9	45.3	85.1	578	
	12-14	100.0	100.0	100.0	100.0	100.0	99.8	91.6	71.0	37.5	86.3	525	
	15-17	100.0	100.0	100.0	100.0	100.0	100.0	93.9	75.8	40.1	86.9	421	
	18-20												
	21-23												
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	95.7	80.5	45.5	88.5	1882	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

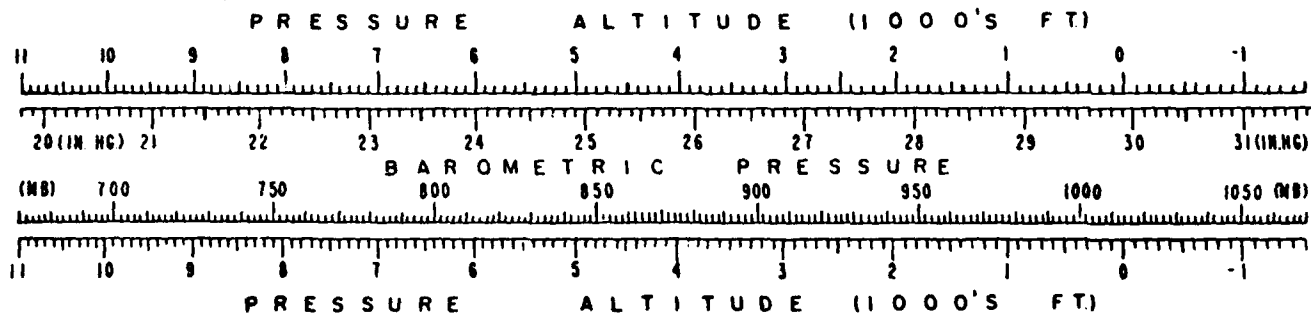
PART F PRESSURE SUMMARY

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

STATION
 SECTION PAGE

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

106190 BAUMHOLDER DL

73-83

STATION

STATION NAME

YEARS

HRS. LST.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN													
	S.D.													
	TOTAL OBS.													
04	MEAN													
	S.D.													
	TOTAL OBS.													
07	MEAN	28.46128	40328.37328	41728.41628	50128.49128	52628.53428	43128.47928	358	28.449					
	S.D.	.304	.342	.268	.204	.196	.152	.143	.139	.204	.280	.292	.366	.253
	TOTAL OBS.	174	172	206	202	199	206	205	206	154	189	178	166	2257
10	MEAN	28.46628	42728.38528	42928.42828	50728.50328	53528.55728	44728.50428	402	28.464					
	S.D.	.303	.342	.266	.209	.196	.151	.155	.140	.197	.289	.286	.384	.258
	TOTAL OBS.	186	177	213	202	195	202	204	204	150	192	179	193	2297
13	MEAN	28.45128	43328.38328	42328.42028	50228.49828	52928.54028	44228.49728	366	28.456					
	S.D.	.312	.343	.265	.201	.190	.153	.154	.138	.204	.28	.284	.379	.256
	TOTAL OBS.	183	176	212	199	201	205	205	207	153	193	183	174	2291
16	MEAN	28.44928	44028.37328	40428.40228	48328.48628	51228.51228	41628.48028	406	28.446					
	S.D.	.318	.337	.256	.197	.178	.149	.139	.135	.204	.276	.290	.370	.247
	TOTAL OBS.	163	157	202	200	176	197	195	205	125	167	165	141	2093
19	MEAN													
	S.D.													
	TOTAL OBS.													
22	MEAN													
	S.D.													
	TOTAL OBS.													
ALL HOURS	MEAN	28.45728	42528.37928	41828.41728	49828.49528	52628.53628	43528.49028	383	28.454					
	S.D.	.309	.341	.264	.203	.190	.151	.148	.138	.202	.283	.288	.375	.254
	TOTAL OBS.	704	682	833	803	771	810	809	822	582	741	705	674	8938

END

DATE
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3 - 84

DTIC