

USCO 745310

USAFETAC/DS-85/004

1

ETAC

AD-A159 657

DATA PROCESSING BRANCH USAFETAC Air Weather Service (MAC)

2, "LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

AF ACADEMY
1) USAF ACADEMY AFD CO MSC #745310
N 38 58 W 104 49 ELEV 6546 FT AFF

2) PARTS A-F HOURS SUMMARIZED: 0000Z & 1100Z- 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: SEP 77 - AUG 84
SUMMARY OF DAY DATA: NONE:

TIME CONVERSION GMT TO LST: -7

04 FEB 1985

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Wayne E. McCollom

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Chief, Document Research Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE

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FIELD	GROUP	SUB-GROUP		
04	02		*climatology *weather Meteorological conditions (continued over)	
19. ABSTRACT (Continue on reverse if necessary and identify by block number)				
A statistical data summary of surface weather observation climatology for: <u>USAF ACADEMY AFD, COLORADO</u> This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs), for complete descriptions of contents and instructions for use.				
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS		21. ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield		22b. TELEPHONE (Include Area Code) (618) 256-2625	22c. OFFICE SYMBOL USAFETAC/LDD	

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18. Subject terms cont.

winds	precepitation	temperature	visibility
barometric pressure		relative humidity	
sky cover	psychrometric data		ceiling

Limited Surface Observations Climatic Summary
LISOCS

USAF ACADEMY AFD COLORADO
AIR FORCE ACADEMY
AF ACADEMY
USCO 745310

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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.

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A-1	



OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCs)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.
2. A brief description preceeds each summary.
3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.
4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.
5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"

- Part 1: Weather Conditions
- Part 2: Surface Winds
- Part 3: Ceiling Versus Visibility; Sky Cover
- Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures; Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
- Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

STATION LOCATION AND INSTRUMENTATION HISTORY

AWS MSG NO. 745310		NAME OF STATION USAF Academy CO		LATITUDE N 38 58		LONGITUDE W 104 49		FIELD ELEV (FT) 6546		CALL SIGN AFF		WMO NUMBER 74531	
CHG NO.	GEOGRAPHICAL LOCATION AND NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DA				
			FROM	TO			FIELD (FT)	HT BARO					
1	USAF Academy CO	Airstrip	NOV 67	DEC 71	N 38 58	W 104 49	6546	Unkn	9-12				
2	Same	* Same	JAN 72	DEC 74	Same	Same	Same	"	7-12				
3	Same	Same	JAN 75	DEC 75	Same	Same	Same	"	13				
4	Same	Same	JAN 76	NOV 84	Same	Same	Same	"	9-15				
* No data May 1973													
Closed Holidays													
CHG NO.	DATE OF CHANGE	SURFACE EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
	----	UNKNOWN	UNKN	UNKN	----								

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART 1

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

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. (Snow pellets also known as soft hail.)

Hail--Occurrences of hail.

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 percentage 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.

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

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.

Continued on Reverse

NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Forms 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310

USAF ACADEMY AFD CO

78-84

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02												
	03-05				17.2		17.2	13.8				13.8	29
	06-08				10.2		10.2	10.5				10.5	581
	09-11				12.2		12.2	8.6		.2		8.6	606
	12-14		.3		9.5		9.5	6.4	.8	.6		7.0	597
	15-17				8.1		8.1	5.1	1.1	.6		6.2	533
	18-20												
	21-23												
TOTALS			.1		11.4		11.4	8.9	.4	.3		9.2	2346

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 78-84 FEB
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02												
	03-05				6.7		6.7	26.7				26.7	30
	06-08		.2	.3	9.9		10.4	12.3		2.0		14.3	587
	09-11			.5	11.0		11.0	11.0		1.2		12.2	589
	12-14			.3	10.3		10.3	10.1	.2	.9		11.0	575
	15-17		.2	.6	7.0		7.2	7.6	.9	.4		8.5	527
	18-20												
	21-23												
TOTALS			.1	.3	9.0		9.1	13.5	.2	.9		14.5	2308

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310

USAF ACADEMY AFD CO

78-84

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02												
	03-05				7.1		7.1	3.6				3.6	28
	06-08	.2	.8	1.4	12.6		14.1	17.6		1.3		18.2	625
	09-11	.3	1.6	.3	13.5		14.5	14.5	.3	.6		15.1	622
	12-14		1.7	.7	11.3	.2	12.3	8.1		.8		8.9	595
	15-17	.4	1.5	.6	9.2		10.6	6.2	.6	.6		7.2	530
	18-20												
	21-23												
TOTALS		.2	1.1	.6	10.7	.0	11.7	10.0	.2	.7		10.6	2400

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 78-84 APR
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02												
	03-05		9.8	1.0			10.6	10.8				10.8	102
	06-08		4.9	.3	5.3		10.0	11.3		.6		11.7	617
	09-11	.2	3.1	.5	5.5	.2	8.7	6.6	.3	.8		7.4	618
	12-14	2.0	4.0		6.1	.2	9.6	2.2		.3	.2	2.7	603
	15-17	1.7	5.7		4.2		9.6	1.3			.4	1.7	543
	18-20												
	21-23												
TOTALS		.8	5.5	.4	4.2	.1	9.7	6.4	.1	.3	.1	6.9	2483

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 78-84 MAY
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												
	03-05	.6	7.0		4.5		11.1	12.4	.3			12.4	314
	06-08		7.6		4.8		11.9	14.9	.3			15.2	646
	09-11	2.0	8.1		3.9		11.2	8.7	.2			8.7	645
	12-14	10.1	13.2		3.9	.3	15.9	4.9	.3			5.2	636
	15-17	6.9	12.6		2.2	.3	14.3	3.3	.3			3.4	581
	18-20												
	21-23												
TOTALS		3.9	9.7		3.9	.1	12.9	8.8	.3			9.0	2822

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												
	03-05	.3	3.6				3.6	4.7				4.7	385
	06-08	.2	4.1				4.1	5.2				5.2	630
	09-11	.5	4.6				4.6	3.0	.2			3.0	629
	12-14	9.4	8.4		.2	.2	8.4	1.6	.2			1.6	620
	15-17	12.0	8.5			.4	8.5	1.1				1.1	552
	18-20												
	21-23												
TOTALS		4.5	5.8		.0	.1	5.8	3.1	.1			3.1	2816

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO

78-84

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02												
	03-05		1.5				1.5	3.3	.3			3.3	398
	06-08		.2				.2	2.7	1.3			3.1	638
	09-11	.3	.8				.8	.9	.3			1.3	639
	12-14	8.8	8.2			.2	8.2	.3	.6			.9	638
	15-17	15.0	11.1				11.1	.2	.9			1.0	575
	18-20												
	21-23												
TOTALS		4.8	4.4			.0	4.4	1.5	.7			1.9	2888

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GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02												
	03-05		3.4				3.4	5.1				5.1	295
	06-08	.2	3.7				3.7	6.5	.3			6.5	651
	09-11	1.2	3.2				3.2	3.1				3.1	651
	12-14	11.5	9.4			.3	9.4	1.5				1.5	650
	15-17	13.3	12.3			.2	12.3	1.1				1.1	571
	18-20												
	21-23												
TOTALS		5.2	6.4			.1	6.4	3.5	.1			3.5	2818

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 77-83 SEP
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02												
	03-05		3.9		.5		4.4	4.4				4.4	203
	06-08	.2	3.0		.3		3.3	4.0				4.0	629
	09-11		2.7				2.7	2.4				2.4	628
	12-14	1.7	4.3				4.3	2.1				2.1	606
	15-17	3.4	5.3				5.3	1.1				1.1	566
	18-20												
	21-23												
TOTALS		1.1	3.8		.2		4.0	2.8				2.8	2632

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

77-83

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		2.9		1.8		4.7	2.9				2.9	171
	06-08		3.4		2.6		5.7	6.8		.3		7.1	648
	09-11		1.9	.2	3.3		4.6	4.0		.5		4.5	646
	12-14		2.0		3.1		4.7	3.4		.5		3.9	612
	15-17	.5	1.0		3.3		4.3	1.2		.5		1.7	581
	18-20												
	21-23												
TOTALS		.1	2.2	.0	2.8		4.8	3.7		.4		4.0	2658

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 77-83 NOV
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02												
	03-05				3.7		3.7	3.7				3.7	27
	06-08		.5	.2	6.0		6.7	8.7		.2		8.9	551
	09-11		.5	.2	7.1		7.6	5.5		.3		5.9	595
	12-14			.3	5.4		5.6	3.8		.2		4.0	573
	15-17		.4	.6	6.6		7.6	4.3		.2		4.5	487
	18-20												
	21-23												
TOTALS			.3	.3	5.8		6.2	5.2		.2		5.4	2233

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

745310 USAF ACADEMY AFD CO 77-83 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05				6.9		6.9						29
	06-08		.4	.6	10.4		10.8	8.2		.2		8.4	489
	09-11				11.8		11.8	6.0		.7		6.7	568
	12-14			.2	8.8		9.0	4.4		.4		4.8	525
	15-17		.2		5.6		5.8	4.6	.7			5.3	413
	18-20												
	21-23												
TOTALS			.1	.2	8.7		8.9	4.6	.1	.3		5.0	2024

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

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

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given for each direction.

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

These tables are prepared for all years combined, by month by available 3-hour groups.

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

GLOBAL CLIMATOLOGY BRANCH
 USAFET/C
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	19.3	14.5	3.8	.3							42.2	6.7
NNE	1.0	4.5	3.8	.2								9.5	6.3
NE	.5	1.9	2.2									4.6	6.5
ENE	.2	1.9	.7									2.8	5.6
E	.9	.7	.3	.2								2.1	5.0
ESE	.3	.7										1.0	4.2
SE	.3	.3	.3									1.0	4.5
SSE	.9	1.9	1.2	.3								4.3	5.8
S	1.2	2.2	.7		.2							4.3	5.3
SSW													
SW													
WSW			.5		.2							.7	11.8
W		.9	.2	1.2	.2	.7	.2					3.3	14.2
WNW			.5	.9	.2	.2						1.7	14.3
NW	.5		1.2	.9	.3							2.9	10.5
NNW	1.2	1.5	1.9	.9	.2							5.7	7.2
VARBL													
CALM												13.9	
	11.4	35.8	28.1	8.3	1.5	.9	.2					100.0	6.1

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)

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.8	8.7	6.4	6.4	2.5	.5						28.4	9.0
NNE	1.5	2.0	2.1	.5	.2							6.3	6.3
NE	.8	1.0	.7									2.5	5.1
ENE	.5	.8	.5									1.8	5.4
E		.8	.3									1.2	5.3
ESE		.8	.3									1.2	6.0
SE	.5	1.5	.7									2.6	4.9
SSE	2.0	2.3	2.1	.5								6.9	5.6
S	2.5	4.6	2.8	1.2	.2							11.2	6.3
SSW	.8	1.2	.7									2.6	5.0
SW	.8		.5	.3	.2		.2					2.0	9.6
VSW	.2	.2		.5	.3							1.2	12.4
W	.3	.2	.3	1.2	.3	.2	.7					3.1	16.4
WNW	.3	.5	.2	.5	.3	.2						2.0	10.8
NW	.5	.2	1.3	.8	.3	.3						3.5	11.2
NNW	.8	1.7	1.5	1.2								5.1	7.4
VARB													
CALM												18.5	
	15.3	26.4	20.5	13.0	4.3	1.2	.8					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

606

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS JAN MONTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	2.3	5.9	2.3	.8						13.1	13.5
NNE	.7	.7	1.7	1.2								4.2	8.4
NE	.3	.2	.5	.2								1.2	6.1
ENE	.2	.2	.3	.2								.8	7.2
E	.2	.2	.3	.2								.8	7.2
ESE	.2	1.0	.7	.2								2.0	6.4
SE	.8	2.7	2.5	.8								6.9	7.2
SSE	2.3	5.7	5.9	1.8								15.7	6.8
S	3.0	10.4	7.2	2.2	.2							22.9	6.4
SSW	1.0	2.7	1.5	.3								5.5	6.0
SW	.7	.2	.7	.3		.2						2.0	8.7
WSW	.2	.2	.3	.7	.7							2.0	13.2
W	.3	.5	1.3	.7	1.2		1.0					5.0	15.6
WNW		.2	.2	1.0	.7							2.0	15.2
NW		.3	.7	1.0	.2	.2						2.3	12.3
NNW	.2	.7	1.5	3.2	.5	.3						6.4	12.4
VARBL													
CALM												7.0	
	10.6	26.8	27.6	19.8	5.7	1.5	1.0					100.0	8.4

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)

745310 USAF ACADEMY AFD CO 78-84 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (L.O.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	1.7	3.2	5.6	3.9	1.5	.2						16.1	9.5
NNE	.4	2.3	1.5	1.1								5.3	7.4
NE		.2	.4									.6	7.3
ENE	.6	.6	.2									1.3	4.0
E	.4	1.3	.6									2.3	5.0
ESE	.4	2.3	.8									3.4	5.3
SE	1.1	3.4	2.4	.9								7.9	6.7
SSE	3.4	6.9	6.9	1.3								18.6	6.4
S	3.6	8.1	7.1	1.1								19.9	6.1
SSW		.8	1.7	.2								2.6	8.1
SW		.6	.2	.2	.2							1.1	9.2
WSW		.2		.4		.2						.8	13.3
W	.4		.9	.6	.2	.4	.6					3.0	15.2
WNW			.6	.4	.4	.2						1.5	13.9
NW			.4	.2	.4							.9	14.8
NNW		.9	1.5	2.1	.6	.2						5.3	11.6
VARBL													
CALM												9.6	
	11.8	30.6	30.8	12.4	3.2	1.1	.6					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 533

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

FEB
MONTH

ALL WEATHER

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

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.8	17.9	9.5	5.3	.9	.9						41.2	7.2
NNE	3.2	7.3	2.0									12.6	4.7
NE	1.9	4.3	1.2									7.3	4.7
ENE	1.2	1.7	.3									3.2	4.2
E	.2	1.0										1.2	4.3
ESE	.2	.2										.3	3.5
SE	.5	.7	.2									1.4	4.4
SSE	.7	.3	.9	.5								2.4	6.6
S	1.4	.9	1.0									3.2	4.6
SSW	.2	.3	.2									.7	4.8
SW	.2											.2	1.0
WSW		.2										.2	6.0
W		.5	.2	.5	.9	.3	.2					2.6	16.1
WNW			.5	.5	.2							1.2	11.9
NW	.7	.7	.7	.3	.2							2.6	7.1
NNW	1.2	.9	2.2	1.5	.2							6.0	8.4
VARBL													
CALM												13.8	
	18.2	36.8	18.9	8.7	2.2	1.2	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

587

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	5.8	5.4	7.0	1.5	.5						24.3	9.3
NNE	1.5	2.5	.8	.8								5.8	5.8
NE	.8	1.2	.3									2.4	4.6
ENE	.3	.7		.2								1.2	5.7
E	.7	.7	.3									1.7	4.3
ESE	.3	.8	.2									1.4	5.0
SE	.8	1.7	1.2	.2								3.9	5.4
SSE	1.7	4.4	1.9	.5								8.5	5.8
S	3.1	5.3	4.9	1.0	.3							14.6	6.5
SSW	.3	.5	.5	.2								1.5	6.3
SW	.2	.2	.5	.2								1.0	6.5
WSW	.2	.5	.5	.5								1.7	7.7
W	.3	.8	1.4	1.5	.5	.2	.3					5.1	12.1
WNW		.2	.5	1.2				.2				2.0	13.1
NW	.3	.7	.7	.5	.5	.5						3.2	12.3
NNW	.7	1.5	2.0	1.7	.2	.2						6.3	9.1
VARBL												15.4	
CALM													
	15.4	27.5	21.2	15.4	3.1	1.4	.3	.2				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

589

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFD CO 78-84 FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

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

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	4.0	5.9	3.1	.5						16.0	12.4
NNE	.5	.9	2.3	1.2	.3							5.2	9.3
NE	.5	.9	.9	.2	.2							2.6	7.5
ENE		.5	.5									1.0	6.5
E	.3	.3	.3									1.0	5.0
ESE	.2	.3	.5									1.0	6.3
SE	1.2	1.6	1.9	.9								5.6	6.8
SSE	1.4	5.0	7.7	1.7								15.8	7.5
S	1.9	6.1	11.7	3.3	.5							23.5	8.0
SSW	.9	1.4	1.0	.7								4.0	6.8
SW		.9	.3									1.2	6.7
WSW	.3	.2	.3	1.0								1.9	9.9
W	.2	.5	1.0	2.4	.2	.7	.7					5.7	15.3
WNW	.3	.2	.7	1.4								2.6	10.7
NW	.2	.3	1.4	2.1	.2							4.2	11.3
NNW	.3	.9	1.6	1.2	.3	.2						4.5	10.1
VARBL													
CALM												4.0	
	8.9	21.9	36.2	22.1	4.9	1.4	.7					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 575

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.4	6.6	5.3	1.1	.2						18.2	9.6
NNE	.9	.6	2.1	.6	.2							4.4	7.5
NE	.4	.9	.6	.2								2.1	6.2
ENE	.2	.2	.2									.6	4.3
E	.2	.6	.6	.2								1.5	6.5
ESE		.4	1.1									1.5	7.1
SE	.4	3.4	2.1	.6								6.5	6.3
SSE	.9	5.3	9.3	4.2								19.7	8.2
S	1.3	5.5	10.6	3.8								21.3	8.2
SSW	.2	1.3	.9	.2								2.7	6.7
SW	.2		.6	.2								.9	8.0
WSW	.2	.8	.4	1.1								2.5	9.5
W		.8	1.3	1.7	.4							4.2	11.0
WNW		.6	.4	.6	.6							2.1	11.7
NW		.4	.9	1.1	.4							2.8	11.4
NNW	.2	.6	1.3	1.1								3.2	9.2
VARBL													
CALM												5.9	
	6.6	24.7	39.1	20.9	2.7	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

527

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 745310 STATION NAME USAF ACADEMY AFD CO YEARS 78-84 MONTH FEB
 CLASS ALL WEATHER HOUR (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	7.5	6.4	5.8	1.6	.5						25.2	8.9
NNE	1.6	3.0	1.8	.6	.1							7.1	6.2
NE	.9	1.9	.7	.1	.0							3.7	5.4
ENE	.4	.8	.3	.0								1.5	4.9
E	.3	.6	.3	.0								1.3	5.0
ESE	.2	.5	.4									1.1	5.9
SE	.7	1.8	1.3	.4								4.2	6.1
SSE	1.2	3.8	4.7	1.6								11.3	7.4
S	1.9	4.4	6.8	1.9	.2							15.3	7.5
SSW	.4	.9	.6	.3								2.2	6.5
SW	.1	.3	.3	.1								.8	6.7
WSW	.2	.4	.3	.6								1.6	9.0
W	.1	.7	1.0	1.5	.5	.3	.3					4.4	13.4
WNW	.1	.2	.5	.9	.2			.0				1.9	11.8
NW	.3	.5	.9	1.0	.3	.1						3.2	10.7
NNW	.6	1.0	1.8	1.4	.2	.1						5.0	9.1
VARBL													
CALM												10.1	
	12.3	26.2	28.3	16.5	3.2	1.0	.3	.0				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2308

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAP
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	6.6	15.4	7.7	4.5	1.4	.5	.2					36.2	7.2
NNE	2.4	5.4	1.4	.5								9.8	5.3
NE	.8	3.2	.5									4.5	4.8
ENE	.5	.8	.3									1.6	4.6
E	.5	.2		.2								.8	4.8
ESE		.3		.2								.5	8.3
SE	.6	.5	.5	.5	.2							2.2	7.4
SSE	1.0	.5	1.3	.5								3.2	6.4
S	1.1	2.4	1.9	.2								5.6	5.9
SSW	.2	.8	.5	.2								1.6	6.4
SW	.5	.2	.5									1.3	4.6
WSW	.2		.5	.2	.3							1.1	11.1
W		.8	1.1	1.0	.6	.5						4.0	12.4
WNW	.2	.2	.5	.6	.6							2.1	12.9
NW	.3	.2	.6	.2	.3							1.6	9.4
NNW	1.3	1.8	1.8	1.6	1.0	.2						7.5	9.2
VARBL													
CALM												16.5	
	16.2	32.5	19.0	10.1	4.5	1.1	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

625

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	3.1	4.3	5.8	2.3	.2	.2					18.2	10.4
NNE	.5	1.0	1.3	1.3								4.0	8.4
NE	.5	.6	.8									1.9	5.8
ENE	.3	.5	.2									1.0	4.0
E	.5	.3	.5									1.3	5.3
ESE		.6	.3									1.0	5.8
SE	1.4	1.9	1.3	.3								5.0	5.5
SSE	1.8	2.7	4.3	1.4	.3							10.6	7.5
S	1.8	6.9	6.8	1.4								16.9	6.7
SSW	.5	1.4	1.6	.8	.2							4.5	7.7
SW	.8	.8	.6	.5	.2	.3						3.2	9.2
WSW		.3	1.0	.6	.3							2.3	10.4
W	.2	.6	.6	1.3	.3	.3	.2					3.5	12.8
WNW	.2	.2	.5	1.3	.3	.2						2.6	12.4
NW	.3	.2	1.3	.6	1.0	.6	.3					4.3	14.7
NNW	.6	1.3	1.3	2.6	1.1	.2						7.1	11.5
VARBL													
CALM												12.7	
	11.7	22.5	26.7	18.0	5.9	1.8	.6					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	3.5	5.5	3.0	.7						14.3	12.7
NNE	.2	.8	1.3	2.0	.3							4.7	10.3
NE		.2	1.0									1.2	8.1
ENE		.7	.2									.8	5.4
E	.5	.3	1.8	.5								3.2	7.6
ESE	.2	.2	2.2	.3								2.9	7.8
SE	1.0	1.3	2.5	.7	.3							5.9	7.6
SSE	1.3	4.2	4.7	5.5	.3							16.1	9.2
S	.3	6.1	7.4	5.7	.5	.3						20.3	9.1
SSW		1.7	2.4	.8	.2	.3						5.4	9.5
SW	.2	.7	.5	.5	.2							2.0	8.3
WSW	.3	.2	.8		.3	.2						1.8	10.7
W		.2	.8	1.3	.7	.5	.2	.3				4.0	17.3
WNW		.5	.5	1.0	.8	.2	.2					3.2	14.1
NW	.2	.3	.5	2.4	.8	.7						4.9	14.3
NNW		.8	1.3	1.7	1.5	.5	.2					6.1	14.0
VARBL													
CALM												3.2	
	5.0	18.8	31.6	28.1	9.1	3.4	.5	.3				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

595

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.9	5.1	6.8	2.6	.2						17.5	11.6
NNE		.8	1.7	.6	.4							3.4	9.8
NE	.6		.4									.9	4.4
ENE		1.1	.2									1.3	5.9
E	.2	.9	.4	.8								2.3	6.0
ESE		.4	1.1	.8								2.3	9.8
SE	.6	1.1	1.9	1.7	.2							5.5	9.1
SSE	.6	2.3	7.9	6.4	.8							17.9	10.1
S	.4	5.1	7.2	6.0	.6	.6						19.8	10.1
SSW	.2	.9	1.5	.8	.2							3.6	9.1
SW	.4	.6	.9	.4	.4							2.6	9.3
WSW	.2	.6	.4	.6	.2							1.9	9.6
W			.8	1.3	.6	.6	.2					3.4	16.2
WNW		.2	.4	.4	.2							1.1	11.5
NW	.4		.8	1.5	.4	.2						3.2	12.5
NNW	.4	.8	2.8	2.8	.9							7.7	11.1
VARBL													
CALM												5.5	
	4.7	16.6	33.4	30.8	7.4	1.5	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

APP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	12.0	8.1	7.5	2.6	.6						34.8	8.7
NNE	.6	3.7	1.8	.3								5.5	6.3
NE	.6	1.5	.2									2.3	4.1
ENE	.3	.8	.6	.2								1.9	5.8
E	.8	.5										1.3	2.8
ESE		.3										.8	4.8
SE	1.1	.8	.3									2.3	4.0
SSE	1.0	1.8	2.3	1.1								6.2	7.2
S	1.8	3.6	2.1	1.1								8.6	6.3
SSW	1.1	1.0	.8	.2								3.1	5.3
SW	.2	.2	.5									.8	5.6
WSW		.2	.2	.3								.6	9.8
W		1.0	.6	.3		.3	.5	.2				2.9	17.2
WNW		.5	.2	.2	.8		.2					1.8	14.3
NW	1.1	.8	.3	.3	.2							2.8	6.0
NNW	1.5	2.4	2.1	1.3	.3							7.6	7.7
VARBL													
CALM												15.7	
	14.3	31.4	20.1	12.8	3.9	.6	.5	.5	.2			100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

617

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CG
STATION NAME

78-84
YEAR

APP
MONTH

ALL WEATHER
CLASS

0900-1100
GROUP (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.6	7.6	5.3	1.5	.2					20.1	14.2
NNE	.2	.3	2.3	.5	.3							3.6	9.6
NE	.3	.8	.8									1.9	5.8
ENE	.9	.5	.3									1.6	4.0
E	.5	.8	.2	.2								1.6	5.7
ESE	.3	1.0	.5	.3								2.1	6.8
SE	1.0	1.5	1.1	1.1	.2							4.9	7.9
SSE	1.6	3.1	5.5	4.0	1.1							15.4	9.2
S	.8	6.1	7.9	4.2	.6							15.7	8.6
SSW	.2	1.1	1.8	.6	.2							3.9	8.3
SW	.3	.8	1.0	.2								2.3	7.1
WSW		.5	.8	.2	.2							1.6	9.3
W	.2	.2	1.6	1.3	.8	.5	.2					4.7	14.1
WNW	.5	.5	.8	.2	.5	.3						2.8	10.9
NW	.2		.6	1.3	.6	.2	.5					3.4	16.0
NNW	.5	.5	1.3	1.5	1.0	.3						5.0	12.5
VARBL												5.5	
CALM													
	7.9	18.9	30.1	23.1	10.8	2.8	.8					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

618

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	1.8	6.5	4.7	1.0						16.3	14.0
NNE		.5	1.0	1.3	.5	.2						3.5	10.9
NE	.2	1.0	.8	.3	.2							2.5	8.3
NNE	.3	1.0	.5	.3								2.2	6.5
E	1.2	.8	1.2	.3								3.5	6.0
ESE	.2	.7	1.3	.3								2.5	7.9
SE	.3	2.2	3.2	2.0	.3							8.0	9.1
SSE	.3	1.8	6.3	5.5	2.0	.2						16.1	11.4
S	.3	1.7	6.1	5.5	1.3	.3						15.3	11.1
SSW	.3	.5	1.8	1.3		.2						4.2	10.3
SW	.8	.5	1.0	1.0	.3							3.7	8.7
WSW	.5	.2	.5	1.2	.7							3.0	11.9
W		.2	.8	1.3	1.0	.2			.2			3.7	15.5
WNW		.2	.3	1.3	.8	.5	.2	.2				3.5	18.5
NW		.5	.3	1.5	.8	.3	.2					3.7	15.0
NNW	.3	.5	2.0	1.5	1.5	.3						6.1	12.9
VARBL													
CALM												2.2	
	5.5	14.1	29.1	31.2	14.1	3.2	.3	.2	.2			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

602

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.2	5.2	6.3	2.8	.6						17.7	11.8
NNE	.4	.9	1.5	1.3	.2							4.2	9.5
NE	.2	.9	.6			.2						1.8	8.1
ENE	.2	.4	.4	.4	.2							1.5	9.8
E	.6	1.1	1.3	.4								3.3	6.9
ESE	.6		.9	.4								1.8	8.0
SE	.2	1.1	2.8	1.3								5.3	9.0
SSE		2.2	4.8	5.2	2.9	.7						15.8	12.4
S	.4	2.9	5.5	4.1	2.0	.7						15.7	11.3
SSW		.9	2.0	2.0	.6							5.5	10.8
SW	.7	.4	.7	.7	.4	.2						3.1	10.3
WSW	.2	.2	.4	.9	.2	.2						2.0	11.9
W	.9	1.1	1.1	2.8	1.5	.4	.2					7.9	11.9
WNW	.2	.4	.4	1.7	.9	.4						3.9	14.7
NW	.4	.4	1.1	1.3	.4	.2						3.7	11.1
NNW		.2	1.7	2.6	.6	.2						5.2	12.9
VARBL													
CALM												1.5	
	5.5	15.3	30.2	31.1	12.5	3.7	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 543

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

MAY
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.1	18.8	9.2	4.1	.3							38.5	6.2
NNE	2.9	5.4	1.0	.3								9.6	4.6
NE	1.0	1.0										1.9	3.7
ENE	.3	.6										1.0	4.0
E	.3	.3										.6	4.0
ESE	.6	1.0	.6									2.2	5.1
SE	.3	1.6	.3									2.2	5.1
SSE		1.9	2.5	.3	.3							5.1	8.0
S	.3	.6	1.0									1.9	6.7
SSW	.3	.3	.3									1.0	5.3
SW		.3										.3	4.0
WSW		.6	.3	.3	.3							1.6	10.6
W			.3	1.0	.6							1.9	14.3
WNW	.3	.3	1.0	1.0		.3						2.9	11.4
NW		1.3										1.3	5.3
NNW	2.5	3.8	2.9	1.3								10.5	6.5
VARBL												17.5	
CALM													
	15.0	37.9	19.4	8.3	1.6	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 314

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	10.1	7.1	7.9	.9							31.4	7.7
NNE	1.4	2.8	1.2	.5	.2							6.0	5.9
NE	1.1	.6	.2									1.9	3.7
ENE	.6	.2	.6									1.4	5.3
E	.5	.2	.3									.9	5.2
ESE	.3	.3	.5									1.1	5.7
SE	.8	.6	.8	.2	.2							2.5	6.5
SSE	.3	2.0	3.7	.5	.3							6.8	7.9
S	1.2	3.1	2.5	.2								7.0	5.6
SSW	.5	.8	.2	.2								1.5	5.3
SW	.8	.5										1.2	2.9
WSW	.3	.6	.2	.3								1.4	6.7
W	.5	.2	.9	.9	.2							2.6	9.4
WNW	.6	.8	.5	.5	.2							2.5	7.4
NW	.6	.9	.8	.3								2.6	6.4
NNW	2.2	2.5	2.5	2.5	.3		.2					10.1	8.2
VARBL													
CALM												19.0	
	17.0	26.0	21.8	13.8	2.2		.2					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

646

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.9	6.8	5.9	1.9	.3						17.5	11.1
NNE	.3	1.1	1.1	.5								2.9	7.7
NE	.5	.5	.5									1.4	5.9
ENE	.2	.3	.3									.8	6.4
E	.5	.5	.5									1.4	5.1
ESE	.3	.6	.8	.3		.2						2.2	8.1
SE	.6	2.8	2.3	.8	.3	.2						7.0	7.8
SSE	2.0	4.5	8.8	3.1	.3	.2						16.9	8.1
S	2.0	3.6	10.4	4.0	.2							20.2	8.3
SSW	.8	1.2	.8	.5	.2							3.4	6.7
SW	.9	1.1	.8		.2							2.9	5.6
WSW	.5	.5	.9	.3	.2							2.3	7.9
W	.2	.2	.6	1.6	.8	.3						3.6	14.2
WNW	.2	.5	.3	.6								1.6	9.1
NW	.8	.3	.9	.3	.2							2.5	7.2
NNW		1.6	1.6	2.5	.8	.2	.2					6.7	11.4
VARBL													
CALM												4.8	
	10.4	20.9	37.4	20.3	4.8	1.2	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

645

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.2	5.5	5.2	2.4							16.0	11.2
NNE	.5		.3	.2	.2							1.1	8.4
NE	.5	.8	.8									2.0	5.8
ENE	.2	.5	.2									.8	5.2
E	.3	.2	.6									1.1	6.3
ESE	.3	.8	1.4	.2	.2	.2						3.0	8.9
SE		1.3	2.2	1.9	.3	.2						5.8	10.7
SSE	.6	1.9	9.1	8.0	2.8	.5						23.0	11.5
S	.6	3.3	7.4	5.7	.9							17.9	9.7
SSW	.2	1.9	1.7	.8	.6							5.2	9.1
SW	.6	1.1	1.3	.5	.2	.3						3.9	8.8
WSW		.6	.8	.3	.2							1.9	8.8
W	.2	.3	1.3	1.7	.6	.5						4.6	12.9
WNW	.2	.2		.6	.2							1.1	12.4
NW	.3	.3	.8	.8	.6							2.8	10.8
NNW	.2	.8	1.1	1.9	1.1	.2						5.2	12.4
VARBL												4.6	
CALM													
	5.3	16.0	34.4	27.7	10.2	1.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.1	4.1	3.8	1.7	.3						14.1	10.5
NNE	.2	1.0	1.4	.3	.2							3.1	7.9
NE	.5	.7	.9	.2								2.2	6.8
ENE	.2	.7	.5	.2								1.5	6.7
E	.3	.7	1.2	.3								2.6	7.8
ESE		.9	.9	1.4	.3							3.4	10.1
SE	.7	.9	2.9	2.1								6.5	9.0
SSE	.5	2.6	6.9	7.9	1.9	.3						20.1	11.3
S	.9	3.4	6.4	5.0	1.4	.3						17.4	10.1
SSW		1.0	1.5	1.4	.3							4.3	10.2
SW	.5	.9	1.0	1.7	.2							4.3	9.7
WSW	.2	.5	.7	.9	.3							2.6	10.2
W	.5	.3	.7	1.5	.7							3.8	11.7
WNW	.2	.2	.3	.9	.2							1.7	11.6
NW	.2	.5	.5	.7	.5							2.4	11.4
NNW	.3	1.5	.5	2.6	.5							5.5	10.3
VARBL													
CALM												4.3	
	6.2	18.9	30.5	30.8	8.3	1.0						100.0	9.7

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)

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.3	32.5	11.2	2.9	.5							54.3	5.9
NNE	2.3	6.8	1.0									10.1	4.9
NE	.3	2.6	.5									3.4	5.1
ENE	.5	1.0	.3									1.8	5.3
E	1.0	1.6										2.6	3.6
ESE	.3											.3	3.0
SE	.8	.8	.3									1.8	4.4
SSE	.5	.5	.5	.5								2.1	7.4
S	1.6	.3	.8									2.6	4.1
SSW													
SW		.5										.5	4.0
WSW			.3	.3								.5	10.5
W	.3	.3	.3									.6	5.0
WNW			.3									.3	8.0
NW		.5	.3	.3								1.0	7.8
NNW	.3	1.3	1.0	.5	.3							3.4	8.5
VARBL													
CALM												14.5	
	15.1	48.6	16.6	4.4	.8							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 385

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.8	16.7	6.2	4.6	.3	.2						37.8	6.3
NNE	1.4	1.6	.6	.2								3.8	4.5
NE	.5	1.3	.2									1.9	4.4
ENE	.3	.5										.8	3.4
E	.2											.2	3.0
ESE	.3											.3	2.5
SE	1.0	1.1	.5	.2								2.7	5.2
SSE	1.6	3.5	1.6	1.6								8.3	6.6
S	1.3	2.7	1.7	.6								6.3	6.3
SSW	.5	.8	.3									1.6	4.3
SW	.2	.2	.3									.6	5.8
WSW			.8	.5	.2							1.4	11.8
W	.5	.3	.6	.6	.3							2.4	9.7
WNW			.2	.2								.3	10.0
NW	.3	.6	.6	.3								1.9	7.5
NNW	1.7	3.3	1.9	1.7								8.7	6.9
VARBL													
CALM												21.0	
	17.5	34.6	15.6	10.5	.8	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

630

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFD CO 78-84 JUN
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	1.3	2.9	5.7	2.9		.2						12.9	8.3
NNE	.3	1.3	1.7	.3								3.7	7.4
NE		.8	.3									1.1	6.6
ENE	.2	1.0	.3									1.4	5.6
E	.6	1.0	.3									1.9	4.7
ESE	.2	.6	1.9	.2								2.9	7.5
SE	.6	2.1	2.9	1.6								7.2	8.0
SSE	2.1	5.1	8.3	5.2	.8							21.5	8.6
S	1.7	4.9	10.2	3.0	.2							20.0	7.9
SSW	.3	1.6	1.6	.5								4.0	7.0
SW	.6	1.0	.8	.3	.2							2.9	7.5
WSW	.3	.3	.8	1.0	.2							2.5	9.9
W	.3	.5	1.4	1.6								3.8	9.8
WNW		.3	.3	.8	.2							1.6	11.7
NW	.6	.5	.6	.5								2.2	6.9
NNW	.5	1.3	1.1	1.0	.2							4.0	8.1
VARBL													
CALM												6.5	
	9.7	25.0	38.3	18.8	1.6	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 629

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.9	2.1	1.0		.2						5.6	8.1
NNE	.2	.3	1.3	.2	.2							2.1	8.5
NE	.2	1.0	1.5	.3	.3							3.2	8.8
ENE	.3	.8										1.1	4.4
E	.3	1.1	1.5									2.9	6.2
ESE	.3	.6	1.6	.2								2.7	7.6
SE	.3	2.3	5.5	3.4	.6							12.1	10.1
SSE	.2	1.6	9.0	12.1	4.0							26.9	12.2
S	1.0	3.2	7.1	6.9	1.1							19.4	9.9
SSW	.3	1.0	1.8	.8								3.9	8.3
SW	.5	.8	1.9	.6	.5							4.4	9.0
WSW		.2	1.1	1.0	.2	.2						2.6	12.3
W	.5	.6	1.1	.8	.3							3.4	9.6
WNW			.5	1.5	.5							2.4	13.6
NW	.2	.5	.3	.6	.2							1.8	9.7
NNW	.2	.8	.6	.6								2.3	8.4
VARBL													
CALM												3.2	
	4.8	16.8	36.9	30.0	7.9	.3						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 620

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	2.0	2.5	.4	.2						8.2	9.6
NNE	.4	.4	.9	.5	.2							2.4	8.8
NE	.2	.4	.4									.9	6.2
ENE	.4	.5	1.1	.2								2.2	7.1
E	.4	1.3	1.3	.5								3.4	7.3
ESE	.4	.5	1.3	.5								2.7	8.3
SE	.7	1.1	2.7	3.3	.4							8.2	10.0
SSE	.2	2.5	5.8	10.0	3.6	.7						22.8	12.6
S	1.1	2.9	6.3	8.7	1.8							20.8	10.8
SSW	.7	1.8	2.4	1.4	.4							6.7	8.2
SW	.4	.9	1.4	1.6	.2							4.5	9.6
WSW		.7	.4	.5	.2							1.6	9.7
W	.4		2.0	2.0								4.3	10.8
WNW	.4		.5	.5	.4							1.8	11.5
NW		.4	.4	.7								1.4	10.0
NNW	.4	.7	1.6	.7	.7							4.2	10.0
VARBL													
CALM												3.6	
	6.3	16.7	30.4	33.9	8.2	.9						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

552

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	9.3	32.4	8.8	2.3	.3							53.0	5.3
NNE	2.5	4.3	.8									7.6	4.3
NE	.8	.8	.5									2.0	4.1
ENE	.5	1.8	.3									2.6	4.1
E	.5	.8	.3									1.6	4.0
ESE		.3										.3	4.0
SE	.5	.3	.3									1.0	4.3
SSE	1.0											1.0	2.8
S	.5	.3										.8	4.0
SSW	.5	.3										.8	3.0
SW		.3	.3									.6	7.0
WSW													
W		.8										.8	5.0
WNW	.3	.3	.5	.3								1.3	7.6
NW	.5	.5										1.0	4.0
NNW	1.3	3.5	.8	.5								6.0	5.6
VARBL													
CALM												20.1	
	18.1	46.2	12.3	3.0	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 398

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 745310 STATION NAME USAF ACADEMY AFD CO YEARS 73-84 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 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	10.3	17.4	9.9	4.5	.8							42.9	6.2
NNE	2.4	3.3	1.1									6.7	4.4
NE	1.3	.9	.2									2.4	3.4
ENE	.2	.2										.3	4.5
E	.8	.3										1.1	2.6
ESE	.8	.2	.3									1.3	3.5
SE	.8	.5	.3									1.6	3.6
SSE	1.7	2.0	.8									4.5	4.3
S	1.4	2.0	1.1	.3								4.9	5.5
SSW	1.1	.6	.2									1.9	3.8
SW	.2	.2										.3	3.5
WSW	.3	.2										.5	2.7
W	.2	.3	.3	.3	.2	.3						1.6	12.5
WNW	.2	.2	.3	.2	.2							.9	8.8
NW	1.3	.3	.6	.2								2.4	5.3
NNW	1.3	2.7	1.1	1.3								6.3	6.4
VARBL													
CALM												20.5	
	24.0	31.2	16.1	6.7	1.1	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 638

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	4.4	7.4	6.3								19.6	8.9
NNE	.8	2.0	1.9	.3								5.0	6.0
NE	.8	.6	.6	.2								2.2	5.4
ENE	.2	.8	.2									1.1	4.6
E	.8	.6										1.4	3.9
ESE	.2	.8	.2									1.1	5.0
SE	1.4	3.3	1.9	.3								6.9	5.6
SSE	2.5	5.9	5.8	.8	.3							15.3	6.8
S	2.8	7.7	10.2	.9	.3							21.9	6.9
SSW	1.6	1.9	1.3	.2								4.9	5.4
SW	.5	1.3	.5									2.2	5.1
WSW	.6	.2	.9	.3								2.0	6.8
W	.6	.6	.9	.5	.2							2.8	7.7
WNW		.3	.9	.3	.3							1.9	10.3
NW		1.1	.6	.2								1.9	7.2
NNW	.2	1.9	2.0	.3	.3							4.7	8.2
VARBL													
CALM												5.2	
	14.4	33.3	35.2	10.5	1.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

639

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.7	4.1	2.4	.3							10.5	8.4
NNE	.2	.9	1.7	.8								3.6	8.0
NE	.9	1.3	1.3	.2								3.6	6.0
ENE	.6	1.1	.8	.2								2.7	5.5
E	.2	2.0	1.3									3.4	6.3
ESE	.6	.9	1.7	.5								3.8	7.0
SE	.6	2.4	5.6	1.3	.2							10.0	8.1
SSE	.2	2.8	11.9	4.2	.2							19.3	9.0
S	.5	5.8	11.8	5.0	.3	.2						23.5	8.7
SSW	.3	1.1	1.9	.3								3.6	7.7
SW	.5	1.1	.5									2.0	5.1
WSW		.6	1.1		.2							1.9	7.9
W	.3	.6	.8	1.1								2.8	9.0
WNW	.3	.2	.5	.2								1.1	6.3
NW	.2	.2	.5	.3	.2							1.3	10.3
NNW	.2	.5	1.4	1.7								3.8	10.3
VARBL													
CALM												3.1	
	6.6	24.1	46.7	18.0	1.3	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

638

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFD CO 78-84 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.7	5.6	3.0	.2							13.7	8.0
NNE		1.7	1.4	.9								4.0	8.3
NE	.2	.5	.5									1.2	6.7
ENE	.2	.3	.9									1.4	6.6
E	.5	1.7	1.9	.7								4.9	7.5
ESE	.5	1.6	1.9	.7	.2							4.9	7.8
SE	.2	2.1	3.8	2.4								8.5	8.8
SSE	.7	1.7	9.2	6.1	.3	.2						18.3	10.0
S	.5	3.7	6.8	5.7	.5							17.2	9.6
SSW	.9	1.6	2.1	1.0	.2							5.7	7.7
SW	.5	1.4	.9	.2								3.0	5.6
WSW	.2	.9	.7	.2								1.9	6.5
W	.3	.9	.3	.7	.3							2.6	9.2
WNW	.3	.3	.3	.3								1.4	7.5
NW	.5	.7	.2	.5								1.9	6.9
NNW	.9	.7	1.2	1.4	.3							4.5	9.4
VARBL													
CALM												4.9	
	7.8	23.5	37.7	23.8	2.1	.2						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 575

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.2	36.9	4.1	2.0	1.0							54.2	5.3
NNE	4.1	5.4	.7									10.2	3.9
NE	1.4	2.4										3.7	3.6
ENE	.7	1.0	.3									2.0	4.3
E	.7	.7										1.4	3.3
ESE	.3	.3										.7	3.0
SE		.3										.3	4.0
SSE	.3	.7	.7									1.7	5.4
S	2.4	.3										2.7	2.6
SSW	.3											.3	3.0
SW													
WSW	.7	.3	.3									1.4	4.8
W				1.0								1.0	13.3
WNW				.3								.3	15.0
NW	1.0											1.0	2.3
NNW	1.4	4.4	.3	.3	.3							6.8	6.0
VARBL													
CALM												12.2	
	23.4	52.9	6.4	3.7	1.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

295

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84

YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	10.8	22.4	6.6	2.3	.8	.2						43.0	5.5
NNE	1.2	3.1	.8									5.1	4.5
NE	.8	1.5										2.3	3.7
ENE	.5	.3	.3									1.1	4.3
E	1.1	.2										1.2	2.5
ESE	.8	.2										.9	2.2
SE	.9	1.5	.2									2.6	4.1
SSE	.8	2.6	.9	.3								4.6	5.8
S	3.2	1.8	.5	.2								5.7	3.7
SSW	.3	.5										.8	3.6
SW	.3											.3	2.5
WSW	.2	.3		.2		.2						.8	11.2
W	.2		.5	.8								1.4	10.1
WNW	.2		.2									.3	6.5
NW	.6	.6	.6									1.8	5.1
NNW	2.3	2.3	1.8	1.2	.5							8.1	7.1
VARBL												20.0	
CALM													
	24.0	37.3	12.3	4.9	1.2	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

651

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	5.8	7.1	3.5	.8							19.7	8.0
NNE	.5	2.3	1.4									4.1	5.9
NE	.6	1.1	.2	.2								2.0	4.8
ENE	.9	.2	.2									1.2	3.4
E	.6	.6										1.2	3.3
ESE	.5	.5										.9	3.5
SE	1.4	2.8	2.6	.6								7.4	6.4
SSE	2.8	8.1	5.5	1.2								17.7	6.2
S	4.5	7.2	6.3	.8	.2							18.9	5.9
SSW	.9	2.8	.6	.2								4.5	5.1
SW	1.2	1.1										2.3	3.5
WSW	.8	.3	.6									1.7	4.6
W	.3	.3	1.2	1.5								3.4	9.6
WNW		.5	.6	.5								1.5	9.0
NW	.5	.2	.9	.2								1.7	7.0
NNW	.6	1.1	.9	.6	.5							3.7	8.3
VARBL													
CALM												8.1	
	18.4	34.7	28.1	9.2	1.4							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

651

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS AUG MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)

 _____ CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	3.4	4.2	2.0	.3							12.0	7.6
NNE	.6	1.5	1.2									3.4	6.0
NE	.3	.9	.6	.3								2.2	6.6
ENE	.2	1.4	.3	.2								2.0	6.2
E	2.2	1.5	.5	.2								4.3	4.4
ESE	.2	2.2	.5	.3								3.1	6.0
SE	1.2	4.8	4.2	2.0	.2							12.3	7.3
SSE	.9	3.2	7.5	3.7	.3							15.7	9.0
S	2.5	5.8	11.7	2.0	.2							22.2	7.3
SSW		2.6	2.2									4.8	6.7
SW	.8	1.5	1.2	.5								4.0	6.2
WSW	.3	.5	1.1									1.8	6.4
W	.3	.5	.6	.5								1.8	7.7
WNW	.5											.5	3.0
NW	.6	.6	.5	.3								2.0	6.6
NNW	.9	.8	1.2	.8								3.7	7.5
VARBL												4.3	
CALM													
	13.5	31.2	37.4	12.6	.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.6	3.5	2.3								10.9	7.6
NNE	.5	.9	.9	.5								2.8	6.9
NE	.2	1.1	1.2	.2								2.6	6.4
ENE	.2	.9	1.1		.2							2.3	7.3
E	1.1	1.9	1.4									4.4	5.3
ESE	.7	1.1	2.3	.9								4.9	7.6
SE	1.4	3.3	1.9	2.1								8.8	7.4
SSE	1.9	5.8	6.7	5.3	.7							20.3	8.8
S	1.4	6.3	7.7	2.3	.4							18.0	7.5
SSW	.5	1.9	1.4	.2								4.0	6.0
SW	.9	1.2	.7	.4								3.2	5.9
WSW	.4	.5	.7	.2								1.8	6.4
W	.5	.4	.5	.9	.4							2.6	9.9
WNW	.2	.2										.4	4.0
NW	.5	.9	.7	.2								2.3	6.1
NNW	.4	.7	2.6	1.2								4.9	8.8
VARBL													
CALM												6.0	
	11.2	31.5	33.3	16.5	1.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

571

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEAR

SFP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.4	34.0	12.3	3.4								57.1	5.7
NNE	3.9	4.4	.5	.5								9.4	4.6
NE	1.0	2.0	1.0									3.9	4.6
ENE	.5	1.0										1.5	3.7
E		1.0										1.0	4.0
ESE	.5											.5	3.0
SE		1.0	.5									1.5	6.3
SSE	1.0	1.0		.5								2.5	6.4
S	.5	.5	1.5	.5								3.0	6.7
SSW		.5										.5	6.0
SW	1.0		.5									1.5	4.0
WSW													
W		.5										.5	6.0
WNW				.5	.5	.5						1.5	19.3
NW	1.0											1.0	1.5
NNW	1.0	3.9	2.0	.5								7.4	6.2
VARBL												7.4	
CALM													
	17.7	49.8	18.2	5.9	.5	.5						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

203

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFB CO 77-83 SEP
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	8.4	23.4	11.0	3.0	.3	.2						46.3	5.9
NNE	1.3	4.0	2.1									7.3	5.5
NE	.5	2.7	.3									3.5	4.7
ENE	.6	.8	.2	.2								1.7	5.5
E	.8	.2										1.0	2.3
ESE		.2	.2									.3	7.0
SE	.3	.5	.2									1.0	4.3
SSE	.8	1.3	1.4	.3								3.8	6.2
S	1.4	2.1	.3	.3								4.1	5.0
SSW	.3	.2	.2									.6	5.0
SW	.6	.3		.3								1.3	5.6
WSW	.8		.2	.2			.2					1.3	8.4
W	.5		.3	.5	.2	.2						1.6	10.5
WNW	.3	.6	.5	.2	.2							1.7	7.1
NW	1.3	.3	.3									1.9	4.0
NNW	3.3	3.3	1.3	.6	.2							8.7	5.2
VARBL													
CALM												13.8	
	21.3	39.7	18.3	5.6	.8	.3	.2					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	4.9	4.3	.5							14.3	8.9
NNE	.6	1.1	1.0	.2								2.9	5.9
NE	.3	.3	.8									1.4	6.7
ENE	.6	.6										1.3	3.4
E	.8	.6	.2									1.6	4.3
ESE	.2	.3	.3									.8	6.0
SE	2.2	1.6	2.7	1.1								7.6	6.8
SSE	2.1	6.1	5.6	2.9	.5							17.0	7.6
S	3.5	7.3	7.2	1.3	.2							19.4	6.4
SSW	1.6	2.1	1.1	.3								5.1	5.0
SW	.8	.5	.3									1.6	4.7
WSW	.3	.5	1.0	1.1	.3	.2						3.3	11.1
W	.8	1.0	2.5	1.4		.2						5.9	9.0
WNW		.3	1.3	.3	.3							2.2	10.4
NW	.5	1.1	.2	1.3								3.0	8.2
NNW	.6	1.3	1.4	1.3	.8							5.4	9.8
VARBL													
CALM												7.0	
	16.9	27.4	30.4	15.4	2.5	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFD CO
STATION STATION NAME

77-83
YEAR

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	3.0	3.6									
NNE	.3	.3	1.0	.2								7.9	10.0
NE	.5	.2	.7	.2								1.8	7.2
ENE	.3	.2	.2	.2								1.5	6.3
E	1.0	1.7	.8	.2								.8	5.6
ESE	.7	.5	.5	.2								3.6	5.4
SE	1.0	2.5	4.8	2.3								1.8	6.6
SSE	1.0	5.3	9.2	6.8	.8							10.6	8.5
S	1.2	6.8	11.6	6.1		.2						23.1	9.3
SSW	.3	.8	2.5	.7								25.7	8.4
SW	.3	1.0	1.0	.7								4.3	8.0
WSW	.5	.3	.5	.3								3.0	8.2
W	.3	.7	2.0	1.0	1.0	.2						1.7	7.6
WNW	.2	.8		.2	.2							5.1	11.2
NW	.2	.8	.8	.3								1.3	7.3
NNW	.3	.8	.8	.8								2.1	7.5
VARBL												2.8	7.9
CALM												2.8	
	8.6	23.4	39.3	23.6	2.0	.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

606

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.5	1.2	.7							6.5	9.1
NNE		.7	.5									1.2	6.4
NE	.4	.5	.5	.2								1.6	5.8
ENE		1.1	.9									1.9	7.2
E	.4	.5	.9									1.8	6.3
ESE	.5	.2	1.4	.2								2.3	7.2
SE	.7	2.1	3.9	2.3	.4							9.4	8.9
SSE	1.1	4.8	8.3	11.0	.9							26.0	9.9
S	2.5	6.9	11.1	3.9	.7							25.1	8.1
SSW	.9	1.6	1.8	.2								4.4	6.4
SW	1.1	1.2	.4	.7								3.4	5.5
WSW	.4	.5	1.2		.2							2.3	8.0
W	.4	.7	1.1	1.2	.2							3.5	9.4
WNW		.4	.5	.7								1.6	10.2
NW	.2		.5	.2								.9	7.2
NNW	.2	.2	.5	.5	.2							1.6	10.1
VARB													
CALM												6.5	
	9.0	23.0	36.0	22.3	3.2							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEAR

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.8	31.0	12.9	1.8	.6							52.0	5.9
NNE	2.9	4.7	1.8									9.4	4.9
NE	.6	3.5	.6									4.7	5.3
ENE	1.2	1.2										2.3	4.3
E	.6	1.2										1.8	4.0
ESE	.6	.6										1.2	4.5
SE		.6										.6	5.0
SSE		.6										.6	6.0
S		3.5	.6									4.1	5.3
SSW													
SW													
WSW	.6		.6									1.2	5.5
W	.6		.6	.6								1.8	9.0
WNW		.6		.6								1.2	10.0
NW	2.3	1.2	.6									4.1	3.6
NNW	3.5	.6	.6	1.2								5.8	5.3
VARBL													
CALM												9.4	
	18.7	49.1	18.1	4.1	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

171

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 745310 STATION NAME USAF ACADEMY AFD CO YEARS 77-83 MONTH OCT
 CLASS ALL WEATHER HOURS (L.S.T.) 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	8.0	27.2	9.0	3.5	1.1	.3						49.1	6.2
NNE	2.2	6.3	1.4									9.9	4.9
NE	1.1	3.7	1.1		.2							6.0	5.3
ENE	.8	.8										1.5	3.6
E	.3	.2										.5	2.3
ESE	.6	.2	.2	.2								1.1	5.1
SE	.2	.3										.5	3.3
SSE	.5	1.1	1.2	.3								3.1	7.0
S	.9	2.3	.6									3.9	4.8
SSW	.8	.8	.2									1.7	3.9
SW	.2	.5										.6	4.3
WSW	.3	.2										.5	3.0
W	.8		.5	.8	.2	.3						2.5	11.1
WNW	.2		.3									.5	6.0
NW	.9	.2	.3									1.4	4.0
NNW	1.7	2.8	.9	1.9	.3		.3					7.9	8.4
VARBL													
CALM												9.6	
	19.3	46.3	15.6	6.6	1.7	.6	.3					100.0	5.5

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)

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.9	4.2	4.8	1.7	.8	.3					17.8	10.5
NNE	.3	1.1	.9	.3	.2							2.6	7.4
NE	.9	.8	.3									2.0	4.2
ENE	1.2	.2										1.4	2.6
E	.8	.3	.2									1.2	3.8
ESE	.3	.6	.5									1.4	5.6
SE	1.2	2.6	.6	.3								4.8	5.4
SSE	2.3	4.5	3.6	1.1								11.5	6.2
S	4.5	8.0	8.0	1.2								21.8	6.2
SSW		2.0	1.1									3.1	6.3
SW	.6	1.4	.3									2.3	4.9
WSW	.5	.5	.6		.2							1.7	7.5
W	.2	.5	2.3	1.5	.3		.2					5.0	10.7
WNW	.5	.2	1.1	.6	.2	.3						2.8	11.1
NW		.5	.9	.3	.3							2.0	10.5
NNW	.6	.8	.6	1.9	1.2	.3	.2					5.6	12.7
VARBL												12.8	
CALM													
	16.1	27.7	25.2	12.1	4.0	1.4	.6					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

646

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.1	3.6	4.9	2.9	.2						13.1	12.6
NNE	.3	1.1	.8	.8								3.1	7.8
NE	.5	1.1	.2									1.8	4.8
ENE	.2	.3	.2									.7	4.5
E	.3	.5	.5									1.3	5.5
ESE	.2	.3	.5	.2								1.1	6.6
SE	.5	2.1	2.6	1.1								6.4	7.7
SSE	2.1	6.2	8.5	4.9								21.7	7.9
S	1.8	8.2	10.3	4.4	.5	.2						25.3	8.1
SSW	.5	1.3	1.1									2.9	5.8
SW	.8	1.5	1.1	.3								3.8	6.4
WSW	.3	.3	.7	.5								1.8	7.9
W		.7	2.8	1.6	.2							5.2	10.2
WNW		.8	.5	.8	.2							2.3	10.9
NW	.3	.3	.2	.2		.2						1.1	7.4
NNW	.5	.5	2.3	1.3	.8	.5						5.9	11.8
VARBL													
CALM												2.5	
	8.7	26.5	35.8	21.1	4.6	1.0						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	4.5	5.3	.3							13.3	10.0
NNE	.7	1.7	1.7	.5								4.6	6.8
NE	.3	.9	.9	.2								2.2	6.5
ENE	.3	.7	.5									1.5	5.2
E	.2	.2	.7	.5								1.5	9.3
ESE	.3	.5	.2	.3								1.4	6.5
SE	.3	2.9	2.9	.9								7.1	7.2
SSE	1.5	8.6	9.8	2.9	.2							23.1	7.6
S	2.1	8.3	9.0	2.9	.5							22.7	7.6
SSW	.7	1.0	1.4	.5								3.6	6.9
SW	.3	.5	.9	.7								2.4	7.4
WSW	.3	.2	.5	.2								1.2	7.0
W	.3	.3	1.4	.3	.3							2.8	9.5
WNW	.2		.7									.9	6.8
NW		.3	.5	.7	.2							1.7	11.0
NNW		.2	1.7	1.9	.2	.3	.2					4.5	13.0
VARBL													
CALM												5.5	
	8.3	28.9	37.2	17.9	1.7	.3	.2					100.0	7.7

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)

745310 STATION USAF ACADEMY AFD CO STATION NAME 77-83 YEARS NOV MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

 _____ CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	11.1	22.3	10.3	3.4	.2	.9						48.3	6.1
NNE	1.5	6.4	1.5									9.3	5.2
NE	.4	2.0	.7									3.1	5.2
ENE	.7	1.1	.2									2.0	4.0
E	.7	.7	.4	.2								2.0	5.0
ESE	.4	.7										1.1	4.0
SE	.7	.9										1.6	3.8
SSE	.7	1.1	.4	.2								2.4	5.6
S	.5	.9	.7									2.2	5.0
SSW	.4	.2										.5	2.7
SW													
WSW	.4		.2		.2	.4						1.1	13.2
W	.4	.4	.9	.7	.9	.7						4.0	14.0
WNW	.2	.4		.4								.9	8.6
NW	.2	.9	.5	.5								2.2	7.1
NNW	.7	3.4	2.4	.9	.2	.2						7.8	7.6
VARBL													
CALM												11.6	
	18.9	41.4	18.1	6.4	1.5	2.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 551

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.9	4.0	4.7	.8	.2	.2					19.0	8.5
NNE	.7	1.5	1.2									3.4	5.6
NE	.7	.5	.2									1.3	3.9
ENE	.3	.5										.8	3.8
E	.5	.3		.3								1.2	5.9
ESE	.3	.2	.8									1.3	6.1
SE	1.3	2.7	1.3									5.4	5.2
SSE	1.0	5.4	4.0	.7								11.1	6.4
S	2.9	4.9	4.9	1.0								13.6	6.1
SSW	.3	1.0	.8									2.2	5.2
SW	.3	.7			.2							1.2	6.1
WSW	.7		.5	1.2	.3			.2				2.9	12.1
W	.7	1.2	1.3	1.8	.8	.5	.5	.2				7.1	13.5
WNW		.3	1.0	1.5	.2							3.0	11.7
NW	.3	.5	.5	.5	.3	.3						2.5	11.6
NNW	1.0	1.3	1.3	1.7	.3	.8						6.6	10.6
VARBL													
CALM												17.5	
	14.3	26.9	22.0	13.4	3.0	1.8	.7	.3				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

595

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	3.0	4.9	1.6		.2					11.9	11.6
NNE	.2	.5	.9									1.6	6.6
NE	.2	.2	.2									.5	5.7
ENE	.3	.2										.5	3.0
E	.7	.7	.2	.2								1.7	5.3
ESE	.2	1.2	.9	.3								2.6	6.9
SE	1.2	2.8	2.8	1.2	.2							8.2	7.5
SSE	2.4	6.1	7.7	3.1	.2							19.5	7.5
S	3.1	7.0	8.4	2.8								21.3	6.9
SSW	.9	1.4	1.9	.5	.2							4.9	7.1
SW	.2	.9	.5	.9		.2						2.6	9.6
WSW	.2	.5	.3	.7								1.7	8.8
W	.2	1.0	2.4	1.4	.9	1.0	.3	.2				7.5	14.2
WNW		.3	.7	.9	.2	.2						2.3	12.3
NW	.2		.9	1.0		.7						2.8	13.8
NNW	.7	.7	.3	1.0	.9		.2					3.8	11.0
VARBL													
CALM												6.5	
	11.3	25.1	31.1	19.0	4.0	2.1	.7	.2				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

573

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.5	4.1	4.3								13.6	8.6
NNE	.2	.8	.8									1.8	6.2
NE	.4	.6	.2									1.2	4.8
ENE	.8	.2	.4									1.4	4.6
E	.4	.6		.2								1.2	5.0
ESE	.6	1.4	.6	.4								3.1	6.2
SE	.6	4.9	2.9	1.2								9.7	6.8
SSE	2.9	5.7	6.2	3.3	.2							18.3	7.2
S	3.9	7.6	6.4	3.1	.6							21.6	7.1
SSW	.4	1.2	.2	.2								2.1	5.5
SW	.8	.8	.6	.2								2.5	5.4
WSW	.4	.4	.4	.2								1.4	6.4
W		1.0	.6	.8	.6	.2	.2					3.5	12.8
WNW		.4	.4	1.0	.4							2.3	12.2
NW	.2	.2	.8	.2	.2							1.6	8.8
NNW	.4	.6	1.2	1.4	.2							3.9	9.4
VARBL													
CALM												10.9	
	12.7	31.2	25.9	16.6	2.3	.2	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

487

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310 USAF ACADEMY AFD CO 77-83 DEC
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	4.5	14.5	12.1	4.5	.2	.4						36.2	7.2
NNE	1.2	3.7	1.6									6.5	5.1
NE	1.0	2.2	1.2									4.5	5.2
ENE	.8	2.0	.4									3.3	4.8
E	.6	1.0	.2	.4								2.2	6.2
ESE	.2	.6										.8	4.0
SE	1.0	1.0	.6	.2								2.9	5.5
SSE		1.4	1.2									2.7	6.2
S	1.0	1.8	.2	.2								3.3	4.7
SSW		.2	.2									.4	6.0
SW	.4	.2										.6	3.0
WSW			.2	.2		.4						.8	17.0
W	.2	.6	1.0	1.2	1.4	.8	.6	.8				6.7	18.2
WNW	.2	.4	1.2	1.4	.8		.4					4.5	13.7
NW	.2	.6	1.0	1.2	.4	.2						3.7	11.1
NNW	1.0	2.9	2.5	1.0	.2		.2					7.8	7.7
VARBL													
CALM												13.1	
	12.5	33.3	23.7	10.4	3.1	1.8	1.2	.8				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 489

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	7.7	4.4	4.2	1.1	1.1	.4					23.2	8.5
NNE	.5	2.1	1.1	.9								4.6	7.0
NE	.7	.5	.4									1.6	4.6
ENE	.4	1.1	.2									1.6	5.0
E	.5	.5		.2								1.2	4.4
ESE	.7	1.1	.9									2.6	5.5
SE	.4	1.6	1.9									3.9	6.7
SSE	1.4	4.0	3.3	1.6								10.4	6.8
S	1.9	2.1	3.7									7.7	5.7
SSW	.9	.4	.9									2.1	5.4
SW	.2	.2		.2								.5	6.7
WSW	.5	.2	1.1	.2		.2	.2					2.3	10.2
W	.7	.5	1.8	1.2	.7	1.4	1.1	.4				7.7	16.7
WNW	.5	.7	.9	1.9	.5	.5	.4					5.5	13.1
NW		.9	.9	1.2	.5							3.5	11.0
NNW	.7	1.1	1.8	1.6	.9							6.0	10.5
VARBL													
CALM												15.5	
	14.4	24.6	23.1	13.2	3.7	3.2	1.9	.4				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

568

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 745310 STATION NAME USAF ACADEMY AFD CO YEAR 77-83 MONTH DEC
 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	2.7	4.2	1.9							10.1	12.4
NNE	.2	.8	.6									1.5	6.4
NE	.6	.2	.4	.4								1.5	6.5
ENE	.2	.6	.2									1.0	5.0
E	.8	1.0	.8									2.5	5.4
ESE	.6	1.1	2.3	.2								4.2	6.7
SE	1.1	3.8	3.4	.8								9.1	6.5
SSE	1.1	4.6	5.7	2.9	.2							14.5	8.0
S	1.1	7.4	6.9	1.3								16.8	6.9
SSW	1.1	1.7	.2									3.0	4.4
SW	.6	1.0	.4	.4								2.3	6.4
WSW	.2	.8	.2	1.1	.2	.4						2.9	11.3
W		.8	2.3	2.1	1.9	2.1	.6	.8				10.5	17.5
WNW		.2	1.5	1.7	1.0	.6						5.0	14.3
NW		.4	.6	2.3								3.2	11.8
NNW		.6	1.0	1.9	1.0		.2					4.6	13.2
VARBL													
CALM												7.4	
	7.8	25.9	29.0	19.2	6.1	3.0	.8	.8				100.0	8.9

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)

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DFC
MONTHS

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.1	2.9	3.6	1.7							12.8	9.6
NNE	.2	.7	.7									1.7	6.4
NE	.2	.5	.2									1.0	4.8
ENE	.2	.5										.7	3.3
E	.2	2.9	1.5									4.6	5.8
ESE	1.9	1.9	1.7									5.6	5.0
SE	1.5	3.1	2.4	.2								7.3	5.8
SSE	1.7	3.1	5.6	1.7								12.1	7.4
S	1.9	7.0	4.4	.7								14.0	6.1
SSW	.2	1.5	.2	.2								2.2	6.0
SW	.2	.7	.5	.2								1.7	6.9
WSW	.2	1.0	1.2	.2								2.7	7.7
W	.7	.7	1.2	1.9	1.0	1.2	.5					7.3	14.2
WNW		.2	1.5	1.5	.2							3.4	11.3
NW	.2	.7	1.0	1.5	.2							3.6	10.3
NNW	.2	1.2	1.2	1.5	.5							4.6	10.3
VARBL													
CALM												14.8	
	11.4	29.1	26.2	13.3	3.6	1.2	.5					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 413

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

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 the tables are presented by month and available 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.

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. 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.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	57.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.4	60.4	60.4	60.4	60.6	60.8
≥ 20000	62.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.4	65.6
IV 18000	63.2	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	66.1	66.1	66.1	66.1	66.3	66.4
IV 16000	65.2	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.2	68.2	68.2	68.2	68.3	68.5
IV 14000	68.2	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.3	71.3	71.3	71.3	71.4	71.6
IV 12000	71.4	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.7	75.0
IV 10000	74.0	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	77.1	77.1	77.1	77.1	77.3	77.6
IV 9000	74.5	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.8	77.8	77.8	77.8	78.0	78.3
IV 8000	74.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	78.0	78.0	78.0	78.0	78.1	78.5
IV 7000	75.0	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.3	78.3	78.3	78.3	78.5	78.8
IV 6000	75.4	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.7	78.8	78.8	78.8	78.8	79.0	79.3
IV 5000	75.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.2	79.2	79.2	79.2	79.3	79.7
IV 4500	75.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.5	79.5	79.5	79.5	79.7	80.0
IV 4000	76.1	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.9	80.9	80.9	80.9	81.1	81.4
IV 3500	76.6	80.6	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.8	82.1
IV 3000	76.6	81.1	81.6	81.6	81.6	81.8	81.9	81.9	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.8
IV 2500	77.3	81.8	82.4	82.4	82.4	82.6	82.8	82.8	82.8	83.0	83.1	83.1	83.1	83.1	83.3	83.3	83.6
IV 2000	78.5	83.8	84.7	84.7	84.7	85.0	85.2	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.7	86.1
IV 1800	78.5	83.8	84.7	84.7	84.7	85.0	85.2	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.7	86.1
IV 1500	78.8	84.9	85.7	85.7	85.9	86.2	86.4	86.4	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.9	87.3
IV 1200	79.3	86.1	86.9	87.1	87.3	87.6	87.8	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.3	88.6
IV 1000	79.5	87.1	88.3	88.5	89.0	89.5	89.8	89.8	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.4	90.7
IV 900	79.5	87.1	88.5	88.6	89.2	89.7	90.0	90.0	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5	90.9
IV 800	79.5	87.3	89.0	89.2	90.0	90.5	90.9	90.9	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.4	91.7
IV 700	79.5	87.4	89.2	89.3	90.2	90.7	91.0	91.0	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.6	91.9
IV 600	79.7	87.8	89.5	89.7	90.5	91.0	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.9	92.3
IV 500	79.7	88.1	89.8	90.0	91.0	91.6	91.9	92.1	92.1	92.4	92.6	92.6	92.6	92.8	92.8	92.9	93.3
IV 400	79.7	88.3	90.0	90.2	91.4	91.9	92.4	92.6	92.6	92.9	93.1	93.1	93.3	93.3	93.3	93.5	93.8
IV 300	79.7	88.5	90.4	90.5	91.7	92.3	92.8	92.9	92.9	93.6	93.8	93.8	94.3	94.3	94.3	94.5	95.2
IV 200	79.7	88.5	90.4	90.5	91.7	92.3	92.8	92.9	92.9	94.5	94.8	94.8	95.5	95.5	95.7	95.7	96.9
IV 100	79.7	88.5	90.4	90.5	91.7	92.3	92.8	92.9	92.9	94.5	95.0	95.0	95.7	95.7	95.9	96.6	98.5
IV 0	79.7	88.5	90.4	90.5	91.7	92.3	92.8	92.9	92.9	94.5	95.2	95.2	95.9	96.0	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78,82
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅓	≥⅓	≥0
NO CEILING	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	48.3	48.3	48.3	48.3	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	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 10000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	72.4	72.4	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	75.9	75.9	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	75.9	75.9	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	75.9	75.9	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	75.9	75.9	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	75.9	75.9	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	75.9	75.9	79.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	75.9	75.9	79.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500	75.9	75.9	79.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 800	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 700	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 600	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 500	75.9	79.3	82.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 400	75.9	79.3	82.8	86.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300	75.9	79.3	82.8	86.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200	75.9	79.3	82.8	86.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100	75.9	79.3	82.8	86.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	96.6
≥ 0	75.9	79.3	82.8	86.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	100.0

TOTAL NUMBER OF OBSERVATIONS

29

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	55.9	56.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 20000	64.2	65.5	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	65.5	66.8	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	67.2	68.5	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 14000	70.8	72.1	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 12000	75.4	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	77.6	79.2	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	78.2	79.9	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	78.7	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 7000	79.0	81.0	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 6000	79.2	81.2	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	79.5	81.5	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	79.5	81.5	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	80.2	82.8	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	80.2	83.0	83.7	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	80.5	83.7	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	80.7	84.3	85.3	85.6	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	81.2	85.1	86.1	86.5	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1800	81.2	85.3	86.3	86.6	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	81.8	86.1	87.3	88.0	88.8	89.3	89.4	89.6	89.6	90.1	90.1	90.3	90.3	90.3	90.3	90.3
IV 1200	82.3	87.3	88.6	89.3	90.3	90.8	90.9	91.1	91.1	91.6	91.6	91.7	91.7	91.7	91.7	91.7
IV 1000	82.5	88.1	89.6	90.4	91.4	91.9	92.1	92.2	92.2	92.7	92.7	92.9	92.9	92.9	92.9	92.9
IV 900	82.7	88.4	90.1	91.1	92.1	92.6	92.7	92.9	92.9	93.4	93.4	93.6	93.6	93.6	93.6	93.6
IV 800	82.7	88.6	90.3	91.3	92.2	92.7	93.1	93.4	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2
IV 700	82.7	88.8	90.8	91.9	92.9	93.4	93.7	94.1	94.1	94.6	94.7	94.9	94.9	94.9	94.9	94.9
IV 600	82.8	88.9	91.1	92.2	93.6	94.1	94.4	94.7	94.7	95.2	95.4	95.5	95.5	95.5	95.5	95.5
IV 500	82.8	88.9	91.3	92.4	93.7	94.2	94.6	95.2	95.2	95.7	95.9	96.0	96.0	96.0	96.0	96.0
IV 400	82.8	89.1	91.9	93.1	94.6	95.0	95.4	96.0	96.0	96.9	97.2	97.4	97.5	97.5	97.5	97.5
IV 300	82.8	89.1	91.9	93.1	94.6	95.0	95.5	96.2	96.2	97.0	97.9	98.0	98.2	98.2	98.3	98.3
IV 200	82.8	89.1	91.9	93.1	94.6	95.0	95.5	96.2	96.2	97.0	98.0	98.2	98.3	98.3	98.3	98.3
IV 100	82.8	89.1	91.9	93.1	94.6	95.0	95.5	96.2	96.2	97.4	98.3	98.5	98.7	98.7	99.7	99.8
IV 0	82.8	89.1	91.9	93.1	94.6	95.0	95.5	96.2	96.2	97.4	98.3	98.5	98.8	98.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 606

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	52.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥20000	64.8	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	67.0	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	68.8	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 14000	71.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 12000	75.5	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 10000	77.9	80.7	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
IV 9000	78.4	81.2	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 8000	78.7	81.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 7000	79.6	82.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 6000	80.9	83.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 5000	81.1	83.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4500	81.1	83.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4000	82.6	85.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500	82.6	85.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	82.7	85.9	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
IV 2500	83.1	86.6	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	83.6	87.8	89.4	89.4	89.6	89.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	83.9	88.4	90.1	90.1	90.5	90.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1500	84.8	89.4	91.1	91.3	91.6	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1200	85.4	90.3	92.3	92.6	93.1	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3
IV 1000	85.9	90.8	93.3	94.0	94.5	94.8	95.1	95.5	95.5	95.6	95.6	95.6	95.6	95.8	95.8	95.8
IV 900	86.1	91.3	93.8	94.8	95.3	95.6	96.0	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6
IV 800	86.3	91.5	94.0	95.3	96.0	96.3	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3
IV 700	86.3	91.8	94.5	95.8	96.6	97.0	97.5	97.8	98.0	98.2	98.2	98.2	98.2	98.3	98.3	98.3
IV 600	86.3	91.8	94.5	95.8	96.6	97.0	97.7	98.0	98.2	98.7	98.8	98.8	98.8	99.2	99.2	99.2
IV 500	86.3	92.0	94.6	96.0	96.8	97.3	98.2	98.5	98.7	99.2	99.3	99.3	99.3	99.7	99.7	99.7
IV 400	86.3	92.1	94.8	96.1	97.0	97.5	98.3	98.7	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.8
IV 300	86.3	92.1	94.8	96.1	97.0	97.5	98.5	98.8	99.0	99.5	99.7	99.7	99.7	100.0	100.0	100.0
IV 200	86.3	92.1	94.8	96.1	97.0	97.5	98.5	98.8	99.0	99.5	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	86.3	92.1	94.8	96.1	97.0	97.5	98.5	98.8	99.0	99.5	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	86.3	92.1	94.8	96.1	97.0	97.5	98.5	98.8	99.0	99.5	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.1	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
≥ 20000	64.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	65.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	67.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	70.2	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
IV 12000	75.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 10000	77.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	77.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	79.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 7000	79.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	80.1	84.2	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
IV 5000	80.5	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500	80.9	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	82.0	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	82.0	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	82.2	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	82.7	87.8	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	83.3	88.9	90.1	90.2	90.6	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	83.3	89.1	90.4	90.8	91.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	84.4	90.6	92.3	92.9	93.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	85.0	91.2	92.9	93.6	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	85.0	91.4	93.2	94.0	95.3	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	85.2	91.6	93.4	94.4	95.7	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	85.2	91.6	93.4	94.7	96.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	85.2	91.6	93.4	94.7	96.2	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	85.2	91.6	93.6	94.9	96.8	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	85.2	92.1	94.2	95.7	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	85.2	92.3	94.6	96.1	98.1	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	85.2	92.3	94.6	96.1	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6
IV 200	85.2	92.3	94.6	96.1	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.8
IV 100	85.2	92.3	94.6	96.1	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.6	99.6	99.8	99.8	100.0
IV 0	85.2	92.3	94.6	96.1	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.6	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 533

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74531D
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0500-0800
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥¼	≥0
NO CEILING	55.7	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6
≥ 20000	61.8	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.8
≥ 18000	61.8	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.8
≥ 16000	63.0	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	69.0
≥ 14000	64.9	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.2
≥ 12000	67.6	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	74.1
≥ 10000	69.5	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.7
≥ 9000	69.8	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	77.0
≥ 8000	70.2	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	78.0
≥ 7000	70.2	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	78.0
≥ 6000	70.2	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2	78.4
≥ 5000	70.2	77.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.5
≥ 4500	70.5	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.9
≥ 4000	71.2	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	81.1
≥ 3500	71.2	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.4
≥ 3000	71.2	80.7	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.1
≥ 2500	71.2	80.7	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.1
≥ 2000	71.7	81.8	82.8	83.1	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0	84.2
≥ 1800	71.9	82.1	83.1	83.6	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.7	84.8
≥ 1500	72.1	82.8	83.8	84.3	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.5
≥ 1200	72.1	83.0	84.0	84.7	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.2
≥ 1000	72.2	83.1	84.2	84.8	85.5	86.0	86.4	86.4	86.4	86.4	87.1	87.2	87.2	87.2	87.4	87.6
≥ 900	72.4	83.6	84.8	85.5	86.2	86.7	87.1	87.1	87.1	87.7	87.9	87.9	87.9	87.9	88.1	88.2
≥ 800	72.6	84.0	85.5	86.2	86.9	87.4	87.7	87.9	87.9	88.6	89.1	89.1	89.3	89.3	89.4	89.6
≥ 700	72.9	84.7	86.9	87.6	88.2	88.8	89.1	89.3	89.3	89.9	90.5	90.5	90.6	90.6	90.8	91.0
≥ 600	72.9	85.2	87.4	88.4	89.1	89.6	89.9	90.1	90.1	90.8	91.3	91.3	91.5	91.5	91.7	91.8
≥ 500	72.9	85.2	87.9	89.3	89.9	90.8	91.1	91.5	91.5	92.3	93.2	93.2	93.4	93.4	93.7	93.9
≥ 400	72.9	85.2	88.1	89.4	90.3	91.1	92.2	92.5	92.5	93.4	94.2	94.2	94.5	94.5	94.9	95.1
≥ 300	72.9	85.2	88.1	89.4	90.5	91.3	92.3	92.8	92.8	93.9	94.7	94.7	95.1	95.1	95.6	95.7
≥ 200	73.1	85.3	88.2	89.6	90.8	91.7	92.7	93.2	93.2	94.7	95.6	95.6	96.1	96.1	96.6	97.1
≥ 100	73.1	85.5	88.4	89.8	91.0	91.8	92.8	93.5	93.5	95.1	96.3	96.3	97.1	97.1	97.6	98.1
≥ 0	73.1	85.5	88.4	89.8	91.0	91.8	92.8	93.5	93.5	95.1	96.4	96.4	97.6	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	56.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	65.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 18000	66.0	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
IV 15000	66.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 14000	70.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	72.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	74.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 9000	74.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 8000	75.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 7000	75.7	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 6000	76.2	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 5000	76.2	81.3	81.8	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4500	76.2	82.2	82.7	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	76.9	83.4	83.9	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	77.1	83.7	84.2	84.7	84.7	84.7	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	77.1	84.2	84.7	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9
IV 2500	77.1	84.4	84.9	85.6	85.6	85.6	85.6	85.7	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1
IV 2000	77.6	85.1	85.9	87.1	87.1	87.1	87.1	87.3	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8
IV 1800	77.6	85.1	85.9	87.1	87.3	87.3	87.3	87.4	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9
IV 1500	77.6	85.1	85.9	87.3	87.4	87.4	87.4	87.8	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3
IV 1200	77.9	85.4	86.2	87.8	88.3	88.3	88.3	88.6	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1
IV 1000	78.3	86.2	87.3	89.1	90.0	90.2	90.5	91.0	91.2	91.3	91.3	91.5	91.5	91.5	91.5	91.5
IV 900	78.4	86.4	87.4	89.3	90.2	90.5	90.8	91.3	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9
IV 800	78.4	86.4	88.1	90.7	91.7	92.2	92.5	93.2	93.4	93.5	93.7	93.7	93.9	93.9	93.9	93.9
IV 700	78.4	86.6	88.3	90.8	91.9	92.4	92.9	93.5	93.7	93.9	94.1	94.1	94.2	94.2	94.2	94.2
IV 600	78.4	86.6	88.6	91.3	92.4	93.0	93.7	94.4	94.6	94.7	94.9	94.9	95.1	95.1	95.1	95.1
IV 500	78.4	86.6	88.8	91.5	92.7	93.4	94.2	94.9	95.1	95.2	95.6	95.6	96.3	96.3	96.3	96.3
IV 400	78.4	86.6	89.0	91.7	92.9	93.5	94.6	95.2	95.4	95.6	95.9	95.9	96.6	96.6	96.6	96.6
IV 300	78.4	86.6	89.0	92.2	93.4	94.1	95.1	95.8	95.9	96.3	96.6	96.6	97.5	97.5	97.8	97.8
IV 200	78.4	86.6	89.0	92.2	93.4	94.1	95.1	95.8	95.9	97.1	97.5	97.5	98.6	98.6	99.0	99.2
IV 100	78.4	86.6	89.0	92.2	93.4	94.1	95.1	95.9	96.1	97.3	97.6	97.6	99.0	99.0	99.3	99.8
IV 0	78.4	86.6	89.0	92.2	93.4	94.1	95.1	95.9	96.1	97.3	97.6	97.6	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 589

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 STATION USAF ACADEMY AFD CO STATION NAME

78-84 YEARS

FE3 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0
NO CEILING ≥ 20000	54.1	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 18000 IV 16000	66.8	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000 IV 12000	70.8	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000 IV 9000	74.8	79.0	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
IV 8000 IV 7000	76.0	80.9	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
IV 6000 IV 5000	77.9	83.3	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4500 IV 4000	79.0	84.5	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500 IV 3000	79.5	85.4	86.6	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
IV 2500 IV 2000	80.5	87.5	89.4	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800 IV 1500	80.9	88.2	90.1	90.8	91.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1200 IV 1000	81.0	88.5	90.8	91.7	92.0	92.2	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900 IV 800	81.2	88.9	92.0	93.4	94.1	94.3	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 700 IV 600	81.2	89.0	92.3	93.9	95.0	95.1	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500 IV 400	81.2	89.0	92.3	94.3	95.7	95.8	96.5	96.9	96.9	97.0	97.0	97.4	97.9	97.9	97.9	97.9
IV 300 IV 200	81.2	89.0	92.3	94.3	95.8	96.0	96.9	97.2	97.2	97.6	98.3	98.3	98.4	98.4	98.4	98.4
IV 100 IV 0	81.2	89.0	92.3	94.3	95.8	96.0	96.9	97.2	97.2	97.7	98.6	98.6	98.8	98.8	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 575

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	≥0
NO CEILING ≥ 20000	48.4	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
IV 18000	51.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 16000	63.2	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 14000	67.9	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	71.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 10000	74.4	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 9000	74.4	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 8000	75.1	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 7000	75.7	81.4	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	77.8	83.9	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000	79.1	86.1	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4500	79.7	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000	79.7	86.7	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	79.7	86.7	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	80.3	87.7	88.4	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2500	81.2	88.8	89.8	91.5	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000	81.6	89.2	90.1	91.8	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	81.8	89.4	90.3	92.2	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	81.8	89.4	90.5	92.4	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	82.0	89.8	91.3	93.2	93.7	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	82.0	90.3	92.4	94.3	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	82.0	90.3	92.4	94.3	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800	82.0	90.3	92.6	94.9	95.4	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	82.0	90.3	92.8	95.1	95.8	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 600	82.0	90.3	93.0	95.3	96.2	96.6	96.8	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2
IV 500	82.0	90.3	93.0	95.3	96.2	96.6	96.8	97.0	97.0	97.0	97.0	97.3	97.3	97.5	97.5	97.5
IV 400	82.0	90.3	93.0	95.6	96.6	97.0	97.3	97.5	97.5	97.5	97.5	98.1	98.1	98.3	98.3	98.3
IV 300	82.0	90.3	93.0	95.6	96.8	97.2	97.5	97.7	97.7	97.7	97.7	98.5	98.5	99.1	99.1	99.2
IV 200	82.0	90.3	93.0	95.6	96.8	97.2	97.5	97.7	97.7	97.7	97.7	98.5	98.5	99.1	99.1	99.2
IV 100	82.0	90.3	93.0	95.6	96.8	97.2	97.5	97.7	97.7	97.7	97.7	98.5	98.5	99.1	99.1	99.2
IV 0	82.0	90.3	93.0	95.6	96.8	97.2	97.5	97.7	97.7	97.7	97.7	98.7	98.7	99.2	99.2	99.8
	82.0	90.3	93.0	95.6	96.8	97.2	97.5	97.7	97.7	97.7	97.7	98.7	98.7	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	≥0
NO CEILING	48.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	55.4	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.6	58.6	58.6	58.9	58.9
IV 18000	56.3	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.5	59.5	59.5	59.8	59.8	59.8
IV 16000	58.2	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.4	61.4	61.4	61.8	61.8	61.8
≥ 14000	61.0	64.0	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.5	64.5	64.5	64.8	64.8	64.8
IV 12000	62.7	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.9	66.9	66.9	67.2	67.2	67.2
IV 10000	64.5	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.9	69.9	69.9	70.2	70.2	70.2
IV 9000	64.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	70.2	70.2	70.2	70.6	70.6	70.6
IV 8000	65.6	70.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.4	71.4	71.4	71.7	71.7	71.7
IV 7000	65.9	71.0	71.0	71.0	71.0	71.0	71.0	71.4	71.4	71.4	71.7	71.7	71.7	72.0	72.0	72.0
IV 6000	66.4	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.3	72.3	72.3	72.6	72.6	72.6
IV 5000	66.6	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.6	72.6	72.6	73.0	73.0	73.0
IV 4500	66.9	72.3	72.5	72.5	72.5	72.5	72.5	72.8	72.8	72.8	73.1	73.1	73.1	73.4	73.4	73.4
IV 4000	67.2	73.6	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.7	74.7	74.7
IV 3500	67.5	73.9	74.2	74.2	74.4	74.4	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.4	75.4	75.4
IV 3000	67.8	74.6	74.9	75.0	75.2	75.2	75.8	75.8	75.8	76.2	76.2	76.2	76.5	76.5	76.5	76.5
IV 2500	67.8	74.9	75.4	75.5	75.7	75.7	76.3	76.3	76.3	76.8	76.8	76.8	77.3	77.3	77.3	77.3
IV 2000	68.2	75.7	76.2	76.6	77.0	77.0	78.2	78.2	78.6	78.6	79.0	79.0	79.0	79.5	79.5	79.5
IV 1800	68.2	76.3	77.0	77.4	77.8	77.9	79.2	79.5	79.5	80.0	80.0	80.0	80.0	80.5	80.5	80.5
IV 1500	68.3	76.6	77.4	77.9	78.2	78.4	79.7	80.0	80.0	80.5	80.5	80.5	80.5	81.0	81.0	81.0
IV 1200	68.6	77.8	78.6	79.0	79.4	79.7	81.1	81.4	81.4	81.9	81.9	81.9	82.4	82.4	82.4	82.4
IV 1000	69.0	78.1	78.9	79.4	79.7	80.0	81.4	81.4	81.8	82.2	82.6	82.6	83.0	83.0	83.0	83.0
IV 900	69.0	78.7	79.7	80.3	80.6	81.0	82.4	83.0	83.0	83.5	84.2	84.2	84.6	84.6	84.6	84.6
IV 800	69.0	78.7	79.7	80.3	80.6	81.0	82.4	83.0	83.0	83.5	84.2	84.2	84.6	84.6	84.6	84.6
IV 700	69.1	79.0	80.0	80.6	81.0	81.3	83.0	83.8	83.8	84.6	85.3	85.9	86.4	86.4	86.4	86.4
IV 600	69.1	79.0	80.2	81.1	81.6	82.1	83.8	84.6	84.6	85.3	85.9	86.4	86.4	86.4	86.4	86.4
IV 500	69.1	79.2	80.6	81.8	82.4	83.2	85.1	86.1	86.1	86.7	87.5	87.5	88.0	88.0	88.0	88.0
IV 400	69.3	79.8	81.4	82.9	83.5	84.8	87.0	88.3	88.3	89.3	90.2	90.2	90.7	90.7	90.7	90.7
IV 300	69.3	79.8	81.4	82.9	83.7	85.0	87.2	88.5	88.5	89.8	91.0	91.0	91.7	91.8	91.8	91.8
IV 200	69.3	79.8	81.4	82.9	83.7	85.0	87.2	88.5	88.5	89.8	91.0	91.0	91.7	91.8	91.8	91.8
IV 100	69.3	79.8	81.4	82.9	83.7	85.0	87.4	88.8	88.8	90.2	91.8	91.8	92.8	93.0	93.0	93.0
IV 0	69.3	79.8	81.4	82.9	83.7	85.0	87.4	88.8	88.8	91.4	93.3	93.3	95.0	95.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 625

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.8	53.2	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
IV 20000	61.9	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	62.4	63.8	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	64.5	65.9	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 14000	65.9	67.4	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 12000	68.5	69.9	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 10000	70.6	72.3	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 9000	70.6	72.3	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	71.5	74.8	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000	71.7	74.9	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	72.7	75.9	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	73.0	76.4	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4500	73.2	76.5	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	74.3	78.0	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	74.4	78.3	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3000	74.8	79.4	79.9	79.9	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4
IV 2500	75.2	79.9	80.7	80.7	80.7	80.7	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.5	81.5	81.5
IV 2000	75.4	80.2	81.2	81.4	81.5	81.5	82.5	82.5	82.5	82.5	82.8	82.8	82.8	83.0	83.0	83.0
IV 1800	75.6	80.5	81.5	81.7	81.8	81.8	82.8	82.8	82.8	82.8	83.1	83.1	83.1	83.3	83.3	83.3
IV 1500	75.6	80.5	82.0	82.3	82.5	82.5	83.4	83.4	83.4	83.4	84.1	84.1	84.1	84.2	84.2	84.2
IV 1200	75.7	81.2	83.1	83.6	84.1	84.1	85.0	85.0	85.0	85.0	85.9	85.9	85.9	86.2	86.2	86.2
IV 1000	75.7	81.2	83.6	84.1	84.6	84.6	85.9	85.9	85.9	85.9	86.7	86.7	86.7	87.0	87.0	87.0
IV 900	75.9	81.5	84.1	84.6	85.0	85.0	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.5	87.5	87.5
IV 800	76.0	81.7	84.2	84.7	85.2	85.4	86.7	87.1	87.1	87.1	87.9	87.9	88.1	88.4	88.4	88.4
IV 700	76.0	82.0	84.6	85.2	85.9	86.0	87.3	87.9	87.9	87.9	88.7	88.7	88.9	89.2	89.2	89.2
IV 600	76.0	82.5	85.0	85.9	86.5	86.8	88.6	89.2	89.2	89.2	90.2	90.4	90.5	91.0	91.0	91.0
IV 500	76.0	82.5	85.2	86.2	87.3	87.6	89.5	90.2	90.2	90.2	91.6	92.0	92.3	92.9	92.9	92.9
IV 400	76.0	82.5	85.2	86.2	87.3	87.8	89.9	90.8	90.8	90.8	92.6	93.1	93.6	94.4	94.4	94.4
IV 300	76.0	82.5	85.2	86.2	87.3	87.8	90.0	91.3	91.3	91.3	93.2	94.5	95.0	96.0	96.1	96.1
IV 200	76.0	82.5	85.2	86.2	87.3	88.1	90.4	91.8	91.8	91.8	93.7	95.3	95.8	96.8	96.9	97.1
IV 100	76.2	82.6	85.4	86.3	87.5	88.3	90.5	92.0	92.0	92.0	94.4	96.0	96.5	97.6	97.7	98.1
IV 0	76.2	82.6	85.4	86.3	87.5	88.3	90.5	92.0	92.0	92.0	94.4	96.0	96.5	97.9	98.1	99.0

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS II ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥¼	≥0
NO CEILING	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	54.1	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
IV 18000	56.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	57.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 14000	59.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000	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	65.4	65.4
IV 10000	66.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 9000	67.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	69.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	71.4	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	74.3	74.3
IV 6000	74.8	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 5000	76.1	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4500	76.3	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	77.6	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	78.2	83.4	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	78.5	84.7	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	79.3	86.2	87.1	87.2	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.9	87.9
IV 2000	79.3	86.4	87.4	87.6	87.7	87.7	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.4	88.4
IV 1800	79.3	86.7	87.7	87.9	88.1	88.1	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7
IV 1500	79.3	87.6	89.1	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9	90.1	90.1
IV 1200	79.7	88.7	90.3	90.8	90.9	90.9	91.4	91.6	91.6	91.8	91.9	91.9	91.9	91.9	92.1	92.1
IV 1000	79.7	88.7	90.3	90.8	90.9	90.9	92.1	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.9	92.9
IV 900	79.7	88.7	90.3	90.9	91.1	91.1	92.3	92.6	92.6	92.8	92.9	92.9	92.9	92.9	93.3	93.3
IV 800	79.7	88.7	90.3	91.3	91.8	91.8	92.9	93.3	93.3	93.6	93.9	93.9	93.9	93.9	94.3	94.3
IV 700	79.7	88.7	90.3	91.4	91.9	91.9	93.1	93.4	93.4	93.8	94.1	94.1	94.1	94.1	94.5	94.5
IV 600	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.5	94.5	95.0	95.3	95.3	95.3	95.3	95.6	95.6
IV 500	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.6	94.6	95.1	95.6	95.6	95.6	95.6	96.0	96.0
IV 400	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.6	94.6	95.3	95.8	95.8	95.8	95.8	96.6	96.6
IV 300	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.8	94.8	95.5	96.5	96.5	96.6	96.6	97.5	97.5
IV 200	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.8	94.8	95.6	96.6	96.6	96.6	97.0	97.3	98.2
IV 100	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.8	94.8	95.6	96.6	96.6	96.6	97.0	97.3	98.3
IV 0	79.7	88.7	90.3	91.6	92.9	92.9	94.1	94.8	94.8	95.6	96.6	96.6	96.6	97.1	97.5	99.0

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS UT-5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	38.3	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 20000	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	49.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	50.9	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	52.5	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
≥ 12000	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	61.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	61.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	64.7	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
≥ 7000	66.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	72.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	76.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	76.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	78.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	79.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	79.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	80.0	88.1	88.3	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	80.4	88.7	89.1	89.4	89.6	89.6	89.6	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	80.4	88.9	89.2	89.8	90.0	90.0	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	80.4	89.6	90.0	90.6	90.8	90.8	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200	80.4	90.0	90.9	91.9	92.5	92.5	92.8	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	80.4	90.4	91.5	92.6	93.2	93.2	93.8	93.8	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	80.4	90.4	91.7	93.0	93.6	93.6	94.3	94.7	94.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	80.4	90.4	91.9	93.4	94.0	94.0	94.7	95.3	95.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	80.4	90.4	91.9	93.4	94.0	94.0	94.7	95.3	95.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	80.4	90.4	91.9	93.4	94.3	94.3	95.3	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	80.4	90.4	91.9	93.4	94.3	94.3	95.3	96.0	96.0	97.0	97.0	97.0	97.0	97.2	97.2	97.4
≥ 400	80.4	90.4	91.9	93.4	94.3	94.3	95.3	96.0	96.2	97.4	97.4	97.4	97.5	97.5	97.5	97.7
≥ 300	80.4	90.4	91.9	93.4	94.3	94.3	95.5	96.4	96.6	97.7	97.9	97.9	97.9	98.1	98.1	98.3
≥ 200	80.4	90.4	91.9	93.4	94.3	94.3	95.5	96.4	96.6	97.9	98.3	98.3	98.5	98.5	98.5	98.7
≥ 100	80.4	90.4	91.9	93.4	94.3	94.3	95.5	96.4	96.6	97.9	98.3	98.3	98.5	98.5	99.1	99.4
≥ 0	80.4	90.4	91.9	93.4	94.3	94.3	95.5	96.4	96.6	97.9	98.3	98.3	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.0	56.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	52.9	63.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	52.9	63.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	53.9	64.7	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
≥ 14000	54.9	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	56.9	68.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 10000	60.8	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	60.8	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	60.8	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	60.8	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	61.8	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	61.8	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	61.8	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	61.8	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3500	61.8	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3000	62.7	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	62.7	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2000	62.7	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1800	62.7	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1500	63.7	82.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	64.7	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1000	66.7	86.3	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
≥ 900	66.7	86.3	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	66.7	86.3	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 700	66.7	87.3	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	67.6	88.2	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 500	67.6	88.2	89.2	91.2	91.2	91.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 400	67.6	88.2	89.2	91.2	92.2	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	67.6	90.2	91.2	93.1	94.1	94.1	96.1	96.1	96.1	96.1	96.1	97.1	97.1	97.1	97.1	97.1
≥ 200	67.6	90.2	91.2	93.1	94.1	94.1	96.1	96.1	96.1	96.1	97.1	97.1	97.1	98.0	98.0	98.0
≥ 100	67.6	90.2	91.2	93.1	94.1	94.1	96.1	96.1	96.1	96.1	97.1	97.1	97.1	98.0	98.0	98.0
≥ 0	67.6	90.2	91.2	93.1	94.1	94.1	96.1	96.1	96.1	96.1	97.1	97.1	97.1	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 102

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	61.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	62.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	65.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	67.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	70.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	72.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	72.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	73.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	73.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	73.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	75.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500	75.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	75.7	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	76.0	80.2	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	76.7	81.4	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	77.0	81.8	82.3	82.3	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	77.3	83.1	83.6	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	77.5	83.3	83.8	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	77.5	83.6	84.4	84.4	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	78.0	85.3	86.4	86.9	87.4	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	78.4	86.5	88.3	89.3	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	78.6	86.9	88.7	89.8	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 800	78.6	87.5	89.5	90.6	91.2	91.2	91.4	91.7	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1
≥ 700	78.8	88.0	90.0	91.1	91.7	91.7	91.9	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	79.1	89.1	91.2	92.4	93.0	93.0	93.2	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	79.1	89.5	91.6	92.7	93.5	93.5	93.8	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	79.1	89.5	91.9	93.2	94.0	94.0	94.3	95.0	95.0	95.0	95.6	95.6	95.6	95.6	95.6	95.6
≥ 300	79.1	89.8	92.2	93.7	94.5	94.5	94.8	95.6	95.6	96.1	97.4	97.4	97.6	97.6	97.6	97.6
≥ 200	79.1	89.8	92.2	93.7	94.5	94.5	94.8	95.6	95.6	96.3	97.9	97.9	98.4	98.4	98.5	98.5
≥ 100	79.1	89.8	92.2	93.7	94.5	94.5	94.8	95.6	95.6	96.3	97.9	97.9	98.4	98.4	98.5	98.9
≥ 0	79.1	89.8	92.2	93.7	94.5	94.5	94.8	95.6	95.6	96.3	98.1	98.1	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	58.6	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	65.2	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	66.7	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	68.0	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 14000	69.1	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	72.2	73.8	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 10000	74.8	77.2	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 9000	74.9	77.3	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	76.5	79.4	79.6	79.6	79.8	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 7000	77.5	80.4	80.6	80.6	80.7	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 6000	78.3	81.7	81.9	81.9	82.0	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000	79.6	83.2	83.5	83.5	83.7	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	79.9	83.7	84.0	84.0	84.1	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	81.1	84.8	85.1	85.1	85.3	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3500	81.7	85.9	86.2	86.2	86.6	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	82.4	86.9	87.2	87.4	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	83.0	88.2	88.5	88.8	89.2	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	83.0	88.8	89.2	89.5	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	83.0	89.0	89.3	89.6	90.0	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	83.2	90.0	90.5	90.8	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1200	83.5	90.8	91.3	91.6	91.9	92.1	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7
IV 1000	83.8	92.2	92.9	93.2	93.5	93.7	94.0	94.3	94.7	94.7	94.8	94.8	94.8	94.8	95.0	95.0
IV 900	83.8	92.6	93.2	93.5	93.9	94.0	94.3	94.7	95.0	95.0	95.1	95.1	95.1	95.1	95.3	95.3
IV 800	83.8	93.4	94.2	94.8	95.1	95.3	95.8	96.1	96.4	96.4	96.8	96.8	96.9	96.9	97.1	97.1
IV 700	83.8	93.4	94.2	94.8	95.1	95.3	95.8	96.1	96.4	96.4	96.8	96.8	96.9	97.1	97.1	97.1
IV 600	83.8	93.5	94.3	95.0	95.3	95.5	96.0	96.3	96.6	96.6	96.9	96.9	97.1	97.1	97.2	97.2
IV 500	83.8	93.7	94.5	95.1	95.6	95.8	96.3	96.6	96.9	96.9	97.2	97.2	97.4	97.4	97.6	97.6
IV 400	83.8	93.7	94.7	95.3	95.8	96.0	96.4	96.8	97.1	97.1	97.4	97.4	97.6	97.6	97.7	97.7
IV 300	83.8	93.7	94.7	95.3	95.8	96.0	96.8	97.1	97.6	97.9	98.4	98.4	98.5	98.5	98.7	98.7
IV 200	83.8	93.7	94.7	95.3	95.8	96.0	96.8	97.1	97.6	97.9	98.4	98.4	98.5	98.7	98.9	98.9
IV 100	83.8	93.7	94.7	95.3	95.8	96.0	96.8	97.1	97.6	97.9	98.4	98.4	98.5	98.9	99.0	99.4
IV 0	83.8	93.7	94.7	95.3	95.8	96.0	96.8	97.1	97.6	97.9	98.4	98.4	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	44.3	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	44.4	44.4
≥ 20000	53.6	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 18000	54.1	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 16000	55.9	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
IV 14000	59.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	60.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 10000	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000	64.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000	67.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 7000	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 6000	75.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 5000	80.3	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	80.9	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	83.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	85.6	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	86.1	89.9	90.0	90.4	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500	86.2	91.2	91.4	91.7	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000	86.9	93.0	93.4	93.7	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	87.1	93.2	93.5	93.9	94.0	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	87.2	94.2	94.5	95.0	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	87.2	94.4	94.9	95.5	95.9	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	87.2	94.5	95.2	96.0	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	87.2	94.5	95.2	96.0	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	87.2	94.5	95.2	96.5	96.8	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	87.2	94.5	95.2	96.5	96.8	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	87.6	94.9	95.5	96.8	97.3	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	96.3	98.3
IV 500	87.7	95.0	95.7	97.0	97.5	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 400	87.7	95.0	95.7	97.0	97.5	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	99.0
IV 300	87.7	95.0	95.7	97.0	97.5	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.2	99.3	99.5
IV 200	87.7	95.0	95.7	97.0	97.5	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3	99.5	99.7
IV 100	87.7	95.0	95.7	97.0	97.5	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3	99.5	99.7
IV 0	87.7	95.0	95.7	97.0	97.5	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 603

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	35.2	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000	43.1	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	44.4	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
≥ 16000	45.3	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 14000	49.7	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	54.3	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	58.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000	58.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	62.6	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	66.1	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	75.0	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	81.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	81.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	84.0	87.1	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	85.3	88.4	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000	86.4	90.6	90.8	91.2	91.3	91.3	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	87.1	92.4	92.6	93.0	93.2	93.2	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	88.0	94.8	95.0	95.4	95.6	95.6	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	88.0	94.8	95.0	95.4	95.6	95.6	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	88.2	95.2	95.4	95.9	96.1	96.1	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	88.4	95.6	95.8	96.5	96.9	97.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	88.6	95.9	96.1	96.9	97.4	97.6	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 900	88.6	95.9	96.1	96.9	97.6	97.8	98.2	98.7	98.7	99.1	99.1	99.1	99.3	99.3	99.3	99.3
≥ 800	88.6	95.9	96.1	96.9	97.8	98.0	98.3	98.9	98.9	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 700	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8
≥ 600	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8
≥ 500	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 400	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 300	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 200	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 100	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 0	88.6	95.9	96.1	96.9	98.0	98.2	98.5	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 543

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 USAF ACADEMY AFD CO

78-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS - 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.	≥0
NO CEILING	44.3	51.6	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	49.4	58.0	58.3	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
≥ 18000	50.0	58.6	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	50.3	58.9	59.2	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
≥ 14000	52.2	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	56.7	66.2	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	57.6	68.2	68.5	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
≥ 9000	57.6	68.5	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	58.6	69.4	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	58.9	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	60.2	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	61.1	72.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	61.5	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	63.1	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	63.7	75.8	76.1	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	64.3	77.1	77.4	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
≥ 2500	64.6	77.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	65.6	79.9	80.9	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	65.9	80.6	81.5	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1500	66.2	82.2	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	67.2	83.8	85.0	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	68.2	84.7	86.0	86.3	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	68.5	85.0	86.3	86.6	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	68.8	87.3	89.2	89.5	90.1	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	68.8	87.9	90.1	90.8	91.4	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	68.8	87.9	90.1	90.8	91.4	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 500	68.8	88.2	90.4	91.1	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.6	93.6	93.6
≥ 400	68.8	88.2	90.4	91.1	92.0	92.7	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.3	94.3	94.3
≥ 300	68.8	88.5	90.8	91.4	92.4	93.0	93.9	94.6	94.6	94.9	94.9	94.9	94.9	95.9	95.9	95.9
≥ 200	68.8	88.5	90.8	91.7	93.0	93.6	94.6	95.5	95.5	95.9	95.9	95.9	95.9	96.8	96.8	97.5
≥ 100	68.8	88.9	91.1	92.0	93.3	93.9	94.9	95.9	95.9	96.2	96.2	96.2	96.2	97.5	97.5	98.1
≥ 0	68.8	88.9	91.1	92.0	93.3	93.9	94.9	95.9	95.9	96.2	96.2	96.2	96.2	97.8	97.8	99.4

TOTAL NUMBER OF OBSERVATIONS 314

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	47.4	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 20000	56.0	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	56.7	61.0	61.0	61.0	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 16000	57.0	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 14000	58.2	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	61.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	63.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	63.5	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	64.1	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	64.9	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000	65.3	71.1	71.1	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 5000	65.9	72.4	72.4	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	66.1	72.8	72.8	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	67.0	74.1	74.1	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	67.5	75.1	75.1	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3000	68.9	76.8	76.8	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2500	69.0	77.7	77.9	78.0	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.8	78.8	78.8	78.8
IV 2000	69.5	79.4	79.9	80.2	80.5	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.0
IV 1800	69.5	79.7	80.3	80.7	81.0	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4
IV 1500	71.1	82.2	83.1	83.6	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4
IV 1200	71.8	83.4	85.8	86.4	86.7	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.2	87.2	87.2	87.2
IV 1000	72.6	84.5	87.3	87.9	88.2	88.4	88.4	88.4	88.4	88.5	88.7	88.7	88.9	88.9	89.0	89.0
IV 900	72.6	84.7	87.6	88.2	88.7	88.9	88.9	88.9	88.9	89.0	89.2	89.2	89.3	89.3	89.5	89.5
IV 800	73.1	85.6	89.2	89.8	90.4	90.6	90.7	90.7	90.7	91.0	91.2	91.2	91.3	91.3	91.5	91.5
IV 700	73.5	86.2	89.9	90.6	91.2	91.8	92.1	92.1	92.1	92.4	92.6	92.6	92.7	92.7	92.9	92.9
IV 600	73.5	86.2	90.1	90.7	91.3	92.0	92.3	92.3	92.3	92.6	92.7	92.7	92.9	92.9	93.0	93.0
IV 500	73.5	86.2	90.4	91.2	92.0	92.9	93.3	93.7	93.7	94.0	94.1	94.1	94.3	94.3	94.4	94.4
IV 400	73.5	86.4	90.6	91.3	92.1	93.0	93.7	94.3	94.3	94.6	94.9	94.9	95.0	95.0	95.2	95.2
IV 300	73.5	86.4	90.6	91.3	92.1	93.0	93.7	94.7	94.7	95.2	95.5	95.5	95.8	96.0	96.0	96.1
IV 200	73.5	86.4	90.6	91.3	92.1	93.0	94.0	95.0	95.0	95.5	95.8	95.8	96.4	96.4	97.4	97.5
IV 100	73.5	86.4	90.6	91.3	92.1	93.0	94.0	95.0	95.0	95.8	96.1	96.1	97.1	97.1	98.3	98.8
IV 0	73.5	86.4	90.6	91.3	92.1	93.0	94.1	95.2	95.2	96.0	96.3	96.3	97.2	97.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.4	≥0
NO CEILING	43.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	51.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	52.6	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	53.6	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	54.9	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
≥ 12000	58.3	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
≥ 10000	61.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	62.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	63.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	64.2	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
≥ 6000	65.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	67.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2
≥ 4500	68.7	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	69.9	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	71.2	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3000	72.2	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	73.6	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	75.7	84.3	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	76.0	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	76.9	87.1	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	77.5	88.8	90.1	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	78.0	89.9	91.6	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	93.2
≥ 900	78.4	90.7	92.7	92.9	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.4
≥ 800	78.6	90.9	93.0	93.6	94.6	94.6	94.6	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	95.3
≥ 700	78.9	91.3	93.6	94.6	95.8	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.6
≥ 600	78.9	91.6	94.1	95.0	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	97.2
≥ 500	78.9	91.9	94.4	95.5	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.8
≥ 400	78.9	91.9	94.6	95.7	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.8	97.8	97.8	97.8	98.3
≥ 300	78.9	92.1	94.7	95.8	97.2	97.2	97.2	97.5	97.5	97.8	97.8	98.3	98.3	98.3	98.6	99.1
≥ 200	78.9	92.1	94.7	95.8	97.2	97.2	97.2	97.5	97.5	97.8	97.8	98.4	98.6	98.6	98.9	98.9
≥ 100	78.9	92.1	94.7	95.8	97.2	97.2	97.2	97.5	97.5	97.8	97.8	98.4	98.6	98.6	98.9	99.4
≥ 0	78.9	92.1	94.7	95.8	97.2	97.2	97.2	97.5	97.5	97.8	97.8	98.4	98.6	98.6	98.9	99.8

TOTAL NUMBER OF OBSERVATIONS 645

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	39.2	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 18000	39.5	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
≥ 16000	39.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000	41.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	45.9	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
≥ 10000	49.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	50.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 8000	52.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 7000	57.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	62.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	68.7	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	70.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	73.3	78.3	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	75.9	81.1	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	78.8	84.9	85.2	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	79.6	86.5	86.9	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	80.3	88.2	89.0	89.2	89.3	89.3	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	80.5	88.5	89.3	89.5	89.6	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	81.1	89.9	91.5	91.7	92.0	92.0	92.1	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	81.4	90.7	92.6	93.1	93.6	93.6	93.9	93.9	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	81.6	91.5	93.6	94.3	94.8	94.8	95.3	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	81.8	91.7	93.9	94.7	95.3	95.3	95.8	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	81.8	91.8	94.2	95.4	96.1	96.1	96.5	96.5	96.5	96.9	97.0	97.0	97.0	97.2	97.2	97.3
≥ 700	81.8	92.0	94.3	95.6	96.9	96.9	97.3	97.3	97.3	97.6	97.8	97.8	98.0	98.0	98.0	98.1
≥ 600	81.8	92.6	95.1	96.4	97.6	97.6	98.1	98.3	98.3	98.6	98.7	98.7	98.9	98.9	98.9	99.1
≥ 500	81.8	92.6	95.1	96.5	97.8	97.8	98.3	98.4	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.2
≥ 400	81.8	92.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	99.2	99.4	99.4	99.5	99.5	99.5	99.7
≥ 300	81.8	92.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	99.5	99.7	99.7	99.8	99.8	99.8	100.0
≥ 200	81.8	92.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	99.5	99.7	99.7	99.8	99.8	99.8	100.0
≥ 100	81.8	92.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	99.5	99.7	99.7	99.8	99.8	99.8	100.0
≥ 0	81.8	92.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	99.5	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74531C USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	34.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 18000	34.9	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 16000	36.1	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	36.8	36.8
IV 14000	39.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 12000	45.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	48.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 9000	49.7	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
IV 8000	55.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 7000	59.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	66.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 5000	70.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	71.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000	75.7	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	78.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	80.6	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0
IV 2500	81.2	90.2	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2
IV 2000	82.1	91.9	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1
IV 1800	82.3	92.4	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
IV 1500	82.3	92.6	94.1	94.1	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7
IV 1200	82.6	93.1	94.8	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
IV 1000	82.6	93.3	95.2	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7
IV 900	82.6	93.5	95.4	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9
IV 800	82.6	93.5	95.4	96.2	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.4	97.6	97.6	97.6	97.6
IV 700	82.6	94.0	95.9	97.1	97.8	97.8	97.9	97.9	97.9	97.9	98.6	98.8	98.8	98.8	98.8	98.8
IV 600	82.6	94.0	95.9	97.1	97.9	97.9	98.3	98.3	98.3	98.3	99.0	99.1	99.1	99.1	99.1	99.1
IV 500	82.6	94.0	95.9	97.1	97.9	97.9	98.3	98.3	98.3	98.3	99.0	99.1	99.1	99.1	99.1	99.1
IV 400	82.6	94.0	95.9	97.4	98.3	98.3	98.8	98.8	98.8	98.8	99.5	99.7	99.7	99.7	99.7	99.7
IV 300	82.6	94.0	95.9	97.6	98.5	98.5	99.0	99.0	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0
IV 200	82.6	94.0	95.9	97.6	98.5	98.5	99.0	99.0	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0
IV 100	82.6	94.0	95.9	97.6	98.5	98.5	99.0	99.0	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0
IV 0	82.6	94.0	95.9	97.6	98.5	98.5	99.0	99.0	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0
NO CEILING	58.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	62.3	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 18000	62.6	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 16000	63.4	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	66.0	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 12000	68.1	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000	70.1	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 9000	70.4	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 8000	71.7	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	71.7	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000	72.5	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	73.2	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	74.0	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	74.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	75.8	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	77.7	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	77.7	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	78.4	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	78.4	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	79.0	90.4	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	79.2	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	79.5	94.3	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	79.5	95.1	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	80.5	96.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	80.5	96.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	80.8	96.4	97.1	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	81.0	96.6	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	81.0	96.6	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	81.0	96.6	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	81.0	96.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	81.0	96.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	81.0	96.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 385

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 7/8	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥5/16	≥1/8	≥0
NO CEILING	64.6	66.8	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	67.0
IV 20000	70.5	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
IV 18000	70.6	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0
IV 16000	71.4	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8
IV 14000	73.3	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
IV 12000	75.1	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4
IV 10000	76.8	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5
IV 9000	77.1	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.8
IV 8000	79.2	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
IV 7000	79.4	82.5	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2
IV 6000	80.2	83.3	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	84.1
IV 5000	81.4	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6
IV 4500	82.1	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2
IV 4000	82.5	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
IV 3500	83.0	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
IV 3000	84.0	88.1	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	89.0
IV 2500	84.4	89.2	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
IV 2000	85.4	90.8	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
IV 1800	85.6	91.0	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 1500	85.9	91.6	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9
IV 1200	87.0	93.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
IV 1000	87.3	94.1	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 900	87.5	94.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
IV 800	87.6	95.1	96.2	96.5	96.8	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.3
IV 700	87.6	95.4	96.5	96.8	97.3	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.8
IV 600	87.6	95.6	96.8	97.1	97.8	97.8	97.8	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 500	87.6	95.6	96.8	97.5	98.3	98.3	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9
IV 400	87.8	95.6	96.8	97.5	98.3	98.3	98.4	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.4
IV 300	87.6	95.6	96.8	97.5	98.4	98.4	98.6	98.9	98.9	99.2	99.5	99.5	99.7	99.7	99.8	100.0
IV 200	87.6	95.6	96.8	97.5	98.4	98.4	98.6	98.9	98.9	99.2	99.5	99.5	99.7	99.7	99.8	100.0
IV 100	87.6	95.6	96.8	97.5	98.4	98.4	98.6	98.9	98.9	99.2	99.5	99.5	99.7	99.7	99.8	100.0
IV 0	87.6	95.6	96.8	97.5	98.4	98.4	98.6	98.9	98.9	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.	≥0
NO CEILING	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 16000	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 14000	74.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 12000	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 9000	78.9	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
IV 8000	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	81.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 6000	82.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	83.6	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
IV 4500	84.4	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	85.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	86.3	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	86.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	87.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	88.6	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	89.3	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1500	89.7	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	90.1	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	90.1	97.0	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	90.3	97.3	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	90.3	97.8	98.6	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	90.3	97.8	98.6	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	90.3	97.8	98.7	98.9	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.3	97.8	98.7	99.0	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	55.8	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
IV 18000	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	63.4	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
IV 10000	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	66.8	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
IV 8000	69.7	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	71.5	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	76.1	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 5000	81.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	83.1	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	85.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	87.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3
IV 3000	89.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7
IV 2500	90.2	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2
IV 2000	91.3	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IV 1800	91.8	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 1500	92.6	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
IV 1200	92.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1
IV 1000	92.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1
IV 900	92.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1
IV 800	93.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
IV 700	93.1	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
IV 600	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 500	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 400	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 300	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
IV 200	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 100	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 0	93.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 620

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING	38.9	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 20000	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 18000	50.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 16000	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 14000	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 12000	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 9000	69.0	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	71.6	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
IV 7000	75.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	85.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 4500	86.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	88.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3500	89.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3000	91.5	95.8	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
IV 2500	91.7	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	91.8	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	91.8	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	92.4	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	92.4	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	92.4	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	92.4	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 800	93.1	98.0	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	93.1	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	93.1	98.6	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	93.1	98.6	98.9	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 552

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74531D
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.125	≥.1
NO CEILING	64.8	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	68.1	76.6	76.6	76.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 18000	68.1	76.6	76.6	76.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	68.3	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	70.6	79.1	79.1	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	73.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 10000	75.9	87.2	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 9000	76.1	87.4	87.9	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 8000	76.6	88.4	88.9	88.9	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 7000	77.6	89.4	89.9	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 6000	77.6	91.0	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 5000	78.4	91.7	92.2	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	79.1	92.5	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4000	79.4	92.7	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3500	79.4	93.0	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000	79.6	93.5	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	79.9	94.0	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	80.4	94.5	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	80.7	95.0	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	80.9	95.2	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	81.2	95.5	96.0	96.0	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	81.2	96.0	96.5	96.5	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	81.2	96.0	96.7	96.7	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	81.4	96.5	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	81.4	96.5	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	81.4	96.5	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	81.7	97.0	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	81.7	97.0	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	81.7	97.2	98.0	98.0	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	81.7	97.2	98.0	98.0	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	81.7	97.2	98.0	98.0	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	81.7	97.2	98.0	98.0	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 398

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 STATION USAF ACADEMY AFD CO STATION NAME

78-84 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	72.7	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
≥ 20000	78.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 18000	78.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	78.8	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
≥ 14000	81.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	84.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 10000	87.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 9000	87.3	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
≥ 8000	87.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 7000	87.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 6000	87.8	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 5000	88.7	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	89.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	89.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	89.0	92.9	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
≥ 3000	89.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	89.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	89.5	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	89.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	89.7	95.1	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
≥ 1200	90.4	95.9	96.6	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	90.6	96.2	96.9	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	90.8	96.4	97.0	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	90.8	97.0	97.8	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	90.9	97.2	98.0	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	90.9	97.5	98.4	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	90.9	97.5	98.4	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	90.9	97.6	98.6	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.9	97.6	98.6	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	90.9	97.6	98.6	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	90.9	97.6	98.6	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	90.9	97.6	98.6	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION NO.

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS - LST.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	80.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 18000	81.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 16000	81.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 14000	84.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 12000	86.1	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
IV 10000	88.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 9000	88.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 8000	89.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 7000	89.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 6000	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 5000	92.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4500	92.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	92.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3500	93.0	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
IV 3000	93.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	93.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	93.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	93.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	93.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	93.9	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	94.1	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	94.1	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 639

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.16	≥.1	≥0	
NO CEILING	47.2	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	
≥ 20000	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
≥ 18000	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	
≥ 16000	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
≥ 14000	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
≥ 12000	64.9	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	65.4	
≥ 10000	71.3	72.4	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	
≥ 9000	71.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
≥ 8000	76.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	
≥ 7000	80.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
≥ 6000	88.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
≥ 5000	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
≥ 4500	92.9	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
≥ 4000	94.5	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
≥ 3500	94.7	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	
≥ 3000	94.8	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	
≥ 2500	95.0	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	
≥ 2000	95.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	
≥ 1800	95.0	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 1500	95.0	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 1200	95.0	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 1000	95.0	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 900	95.0	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 800	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 700	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 600	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 500	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 400	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 300	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 200	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 100	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 0	95.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 638

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV ≥ 18000	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 16000	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV ≥ 14000	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 12000	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV ≥ 10000	62.3	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	63.5	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV ≥ 8000	69.0	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 7000	74.6	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV ≥ 6000	84.3	86.8	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
IV 5000	90.1	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV ≥ 4500	90.4	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 4000	92.5	97.2	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
IV ≥ 3500	92.7	97.7	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
IV 3000	92.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV ≥ 2500	92.7	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	92.7	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 1800	92.7	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	92.7	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 1200	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 900	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 700	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 500	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 300	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 575

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0	
NO CEILING	59.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 20000	62.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 18000	62.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	63.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 14000	65.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	68.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	74.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 9000	74.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 8000	74.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 7000	74.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 6000	75.6	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	75.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4500	75.9	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
≥ 4000	75.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	75.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	75.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	76.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	76.9	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
≥ 1800	76.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	76.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	76.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	78.3	93.6	93.9	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	94.2
≥ 900	78.6	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	78.6	94.2	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700	78.6	94.2	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	78.6	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	79.3	95.6	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	79.3	95.9	96.3	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	79.3	95.9	96.3	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	79.3	95.9	96.3	96.9	97.3	97.3	97.6	97.6	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	79.3	95.9	96.3	96.9	97.3	97.3	97.6	97.6	97.6	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	79.3	95.9	96.3	96.9	97.3	97.3	97.6	97.6	97.6	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 295

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	65.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 20000	70.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 18000	70.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	70.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	73.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3
IV 12000	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
IV 10000	84.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8
IV 9000	84.8	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	87.4	87.4
IV 8000	85.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3
IV 7000	85.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3
IV 6000	86.0	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	88.9	88.9
IV 5000	86.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4
IV 4500	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6
IV 4000	86.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
IV 3500	87.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2	90.2
IV 3000	87.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
IV 2500	87.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1
IV 2000	88.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
IV 1800	88.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
IV 1500	88.2	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1
IV 1200	88.2	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1
IV 1000	88.5	92.9	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9
IV 900	88.5	93.4	93.9	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
IV 800	88.5	93.5	94.3	94.9	94.9	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4
IV 700	88.5	93.5	94.3	94.9	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
IV 600	88.5	93.7	94.5	95.4	95.5	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
IV 500	88.5	94.3	95.1	96.2	96.3	96.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4
IV 400	88.5	94.3	95.4	96.5	96.8	97.1	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2
IV 300	88.5	94.3	95.4	96.5	97.2	97.5	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.2	99.2
IV 200	88.5	94.3	95.4	96.5	97.2	97.5	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.2	99.2
IV 100	88.5	94.3	95.4	96.5	97.2	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4	99.4
IV 0	88.5	94.3	95.4	96.5	97.2	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	66.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	73.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 16000	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 14000	76.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	78.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 10000	84.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 9000	84.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 8000	86.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 7000	86.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 6000	86.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 5000	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	88.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000	88.2	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
≥ 3500	88.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	90.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	90.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	90.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	90.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	90.8	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	91.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	91.1	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	91.1	97.2	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	91.1	97.2	97.8	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	91.2	97.5	98.2	98.3	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	91.2	97.7	98.5	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	91.2	97.8	98.6	98.8	98.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	91.2	97.8	98.6	98.8	98.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	91.2	97.8	98.6	98.8	98.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	91.2	97.8	98.6	98.8	98.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	91.2	97.8	98.6	98.8	98.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 20000	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 16000	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 14000	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 12000	63.1	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
IV 10000	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	69.8	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 8000	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 7000	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	80.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000	85.1	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4500	85.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 4000	87.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3500	87.8	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3000	89.1	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	89.5	94.8	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
IV 2000	90.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1800	90.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	90.8	97.2	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
IV 1200	90.9	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	91.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	91.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	91.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	91.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	91.5	98.5	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	91.5	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 650

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 20000	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 16000	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	49.2	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
≥ 12000	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
≥ 10000	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	63.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000	69.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	70.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	79.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000	86.0	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	86.0	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	87.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	88.6	93.3	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	89.7	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	90.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	90.2	96.7	96.8	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	90.2	96.8	97.0	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	90.2	97.0	97.2	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	90.5	97.5	97.7	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	90.9	98.1	98.2	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	90.9	98.1	98.2	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	90.9	98.1	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	90.9	98.1	98.2	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	90.9	98.1	98.2	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	90.9	98.2	98.4	98.8	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 571

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING	69.5	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	73.4	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 15000	73.4	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 16000	73.9	78.8	78.8	78.8	78.8	78.8	78.8	79.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 14000	74.9	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 12000	76.4	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
IV 10000	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 8000	77.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 7000	77.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 6000	78.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 5000	79.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4500	79.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4000	79.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	79.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	79.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	79.8	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
IV 2000	79.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	80.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1500	81.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1200	81.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	82.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	82.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 800	82.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	82.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1
IV 600	82.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.1	96.1	96.1
IV 500	82.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.1	96.1	96.1
IV 400	82.8	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.5	97.5	97.5
IV 300	82.8	96.6	97.5	97.5	97.5	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.5	98.5	98.5
IV 200	82.8	96.6	97.5	97.5	98.0	98.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5
IV 100	82.8	96.6	97.5	97.5	98.0	98.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
IV 0	82.8	96.6	97.5	97.5	98.0	98.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 203

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.4	≥0
NO CEILING	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	75.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 14000	77.6	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 12000	80.3	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
≥ 10000	82.5	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
≥ 9000	82.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 8000	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	84.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 5000	85.5	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
≥ 4500	86.3	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
≥ 4000	86.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	86.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	87.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	87.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	88.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	88.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	88.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	89.2	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	89.5	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	89.5	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	89.5	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	89.5	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	89.5	96.3	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	89.5	96.5	96.7	97.1	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
≥ 400	89.5	96.7	97.1	97.6	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.4	98.4
≥ 300	89.5	96.7	97.1	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.0	99.0
≥ 200	89.5	96.7	97.1	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.2	99.2
≥ 100	89.5	96.7	97.1	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.2	99.2
≥ 0	89.5	96.7	97.1	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.7	98.7	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 629

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 18000	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 16000	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 14000	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 12000	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 10000	84.9	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
≥ 9000	84.9	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
≥ 8000	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 7000	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	86.9	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
≥ 5000	87.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	87.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	87.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500	88.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	88.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	89.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	89.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	90.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	90.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	91.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	91.2	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	91.2	97.0	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	91.2	97.1	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	91.2	97.1	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	91.2	97.1	97.6	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	91.2	97.3	97.9	97.9	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	91.2	97.3	97.9	97.9	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 300	91.2	97.3	97.9	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 200	91.2	97.3	97.9	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 100	91.2	97.3	97.9	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5
≥ 0	91.2	97.3	97.9	97.9	98.7	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74531D
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	58.3	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	66.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000	67.2	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
≥ 14000	69.8	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	75.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	80.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 8000	82.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000	86.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4500	90.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 4000	90.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	90.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	90.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2:00	91.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	91.9	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
≥ 1800	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	91.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	92.4	97.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	92.4	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	92.4	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	92.4	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	92.4	97.9	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	92.4	97.9	98.0	98.5	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 606

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	63.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000	64.7	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	65.4	65.4
≥ 14000	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 10000	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 9000	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000	79.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	84.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 5000	91.5	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 4500	92.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 4000	92.6	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	93.5	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000	93.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	93.8	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	93.8	97.3	97.3	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
≥ 1800	93.8	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	93.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	94.3	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	94.3	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	94.3	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	94.3	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥¼	≥0	
NO CEILING	72.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	74.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 18000	74.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 16000	75.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 14000	76.0	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
≥ 12000	78.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 10000	81.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	81.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000	81.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000	81.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000	82.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	82.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	83.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	83.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	83.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	83.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	83.6	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	88.9	88.9
≥ 2000	84.8	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	84.8	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	85.4	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	85.4	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	86.0	92.4	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	86.0	92.4	93.6	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
≥ 800	86.0	92.4	93.6	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
≥ 700	86.0	93.0	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	86.5	93.6	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500	86.5	94.2	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	87.1	94.7	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	87.7	95.3	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	87.7	95.3	97.1	98.2	98.2	98.2	98.2	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	87.7	95.3	97.1	98.2	98.2	98.2	98.2	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	87.7	95.3	97.1	98.2	98.2	98.2	98.8	98.8	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 171

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	62.5 69.1	63.3 70.1	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4	63.6 70.4
IV 18000 IV 16000	69.8 71.0	70.7 72.1	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4	71.0 72.4
IV 14000 IV 12000	73.5 76.4	74.7 77.8	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1	75.0 78.1
IV 10000 IV 9000	79.0 79.0	80.4 80.4	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7	80.7 80.7
IV 8000 IV 7000	80.7 81.2	82.1 82.6	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9	82.4 82.9
IV 6000 IV 5000	81.8 82.1	83.2 83.6	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0	83.5 84.0
IV 4500 IV 4000	82.9 83.3	84.6 85.5	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8	84.9 85.8
IV 3500 IV 3000	83.6 83.8	86.0 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4	86.3 86.4
IV 2500 IV 2000	84.0 84.6	86.4 88.0	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4	86.9 88.4
IV 1800 IV 1500	84.7 85.3	88.1 88.9	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4	88.6 89.4
IV 1200 IV 1000	86.1 86.3	90.0 90.9	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5	90.6 91.5
IV 900 IV 800	86.4 86.9	91.2 91.7	91.8 92.4	92.0 92.7	92.0 93.1	92.1 93.2	92.1 93.2	92.1 93.2	92.1 93.4	92.1 93.4	92.1 93.4	92.1 93.4	92.1 93.4	92.1 93.7	92.4 93.7	92.4 93.7
IV 700 IV 600	86.9 86.9	92.0 92.0	93.2 93.4	93.5 93.7	93.8 94.1	94.0 94.3	94.0 94.3	94.3 94.6	94.3 94.6	94.3 94.6	94.3 94.6	94.3 94.6	94.3 94.6	94.6 94.9	94.6 94.9	94.6 94.9
IV 500 IV 400	86.9 86.9	92.1 92.1	93.7 93.8	94.0 94.3	94.9 95.4	95.1 95.5	95.1 95.5	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.8 96.6	95.8 96.6	95.8 96.6
IV 300 IV 200	86.9 86.9	92.1 92.1	94.1 94.3	94.8 94.9	95.8 96.5	96.0 96.9	96.5 97.4	96.9 98.0	96.9 98.0	97.2 98.0	97.4 98.5	97.4 98.5	97.7 98.5	97.7 98.9	97.7 98.9	97.7 99.2
IV 100 IV 0	86.9 86.9	92.1 92.1	94.3 94.3	94.9 94.9	96.5 96.5	96.9 96.9	97.5 97.5	98.1 98.3	98.1 98.3	98.6 98.9	98.8 99.1	98.8 99.1	98.8 99.5	99.2 99.5	99.2 99.5	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥1	≥0
NO CEILING	60.7	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
≥ 20000	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 18000	72.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 16000	73.7	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	74.3	74.3	74.3
IV 14000	76.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	83.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 9000	83.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 8000	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000	84.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	84.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 5000	85.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	86.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4000	86.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3500	86.5	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
IV 3000	86.8	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2500	87.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2000	87.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	87.6	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	88.1	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	88.7	92.9	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	89.0	93.5	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	89.0	93.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	89.2	93.8	94.9	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	89.2	94.1	95.8	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	89.2	94.4	96.1	96.6	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	89.2	94.6	96.3	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400	89.2	94.6	96.4	97.2	97.4	97.4	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0
IV 300	89.2	94.6	96.4	97.5	97.7	97.7	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.5
IV 200	89.2	94.6	96.4	97.5	97.8	97.8	97.8	98.1	98.1	98.5	98.5	98.5	98.8	98.8	98.8	99.2	99.5
IV 100	89.2	94.6	96.4	97.5	97.8	97.8	97.8	98.3	98.5	98.8	98.8	98.8	98.8	99.1	99.1	99.5	99.8
IV 0	89.2	94.6	96.4	97.5	97.8	97.8	97.8	98.5	98.6	98.9	98.9	98.9	98.9	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

646

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 18000	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 16000	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000	77.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	80.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 10000	83.2	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
≥ 9000	83.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	84.5	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	84.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000	86.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 5000	88.4	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4500	89.5	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	89.9	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	90.2	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	90.7	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500	90.7	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	90.8	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	90.8	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	91.2	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	91.3	95.1	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	91.5	95.4	95.6	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	91.5	95.4	95.8	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	91.5	95.4	95.8	96.4	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	91.5	95.6	95.9	97.1	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	91.5	95.6	95.9	97.1	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	91.5	95.6	95.9	97.2	98.0	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	91.5	95.8	96.1	97.4	98.2	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	91.5	95.8	96.1	97.4	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.5	99.5	99.5	99.5
≥ 200	91.5	95.8	96.1	97.4	98.2	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.7	99.7	99.7	100.0
≥ 100	91.5	95.8	96.1	97.4	98.2	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.7	99.7	99.7	100.0
≥ 0	91.5	95.8	96.1	97.4	98.2	98.7	98.7	99.0	99.2	99.2	99.2	99.5	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74531D
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 16000	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 12000	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 10000	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 8000	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 7000	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 5000	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 4500	91.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	93.6	95.9	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
≥ 1800	93.6	95.9	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
≥ 1500	93.6	96.0	96.7	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
≥ 1200	93.8	96.4	97.1	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	93.8	96.4	97.1	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	93.8	96.4	97.1	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	93.8	96.9	97.8	97.8	98.1	98.3	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	93.8	96.9	97.8	97.8	98.1	98.3	98.6	99.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	93.8	96.9	97.8	97.8	98.1	98.5	98.8	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	93.8	96.9	97.8	97.8	98.1	98.5	98.8	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - IST

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-16	¾	≥0	
NO CEILING	57.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8
≥ 20000	63.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.4	66.4	66.4	66.4
IV 18000	64.6	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.7	67.7	67.7	67.7
IV 16000	65.5	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.6	68.6	68.6	68.6
IV 14000	68.4	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.7	71.7	71.7	71.7
IV 12000	73.1	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6	76.8	76.8	77.0	77.0	77.0	77.0
IV 10000	77.5	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	81.1	81.1	81.3	81.3	81.3	81.3
IV 9000	77.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.7	81.7	81.9	81.9	81.9	81.9
IV 8000	78.2	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.2	82.2	82.4	82.4	82.4	82.6
IV 7000	79.5	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.5	83.5	83.7	83.7	83.7	83.8
IV 6000	79.9	82.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.8	83.8	84.0	84.0	84.0	84.2
IV 5000	80.0	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.4	84.4	84.6	84.6	84.6	84.8
IV 4500	80.6	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.3	85.3	85.5	85.5	85.5	85.7
IV 4000	80.8	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.4	86.4	86.6	86.6	86.6	86.8
IV 3500	80.8	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.4	86.4	86.6	86.6	86.6	86.8
IV 3000	80.8	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.4	86.4	86.6	86.6	86.6	86.8
IV 2500	80.9	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.6	86.6	86.8	86.8	86.8	86.9
IV 2000	81.3	86.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.5	87.7	87.7	87.8	87.8	87.8	88.0
IV 1800	81.3	86.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.8	87.8	88.0	88.0	88.0	88.2
IV 1500	81.3	86.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.6	88.6	88.7	88.7	88.7	88.9
IV 1200	81.7	87.7	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.7	89.7	89.8	89.8	89.8	90.0
IV 1000	82.2	88.7	90.2	90.4	90.4	90.4	90.4	90.7	90.7	90.7	90.9	91.1	91.1	91.3	91.3	91.3	91.5
IV 900	82.2	89.3	90.7	90.9	90.9	90.9	90.9	91.3	91.3	91.3	91.5	91.7	91.7	91.8	91.8	91.8	92.0
IV 800	82.6	89.8	91.3	91.5	91.5	91.5	91.5	91.8	91.8	91.8	92.0	92.2	92.2	92.4	92.4	92.4	92.6
IV 700	82.8	90.0	91.7	91.8	91.8	91.8	92.4	92.4	92.4	92.4	92.6	92.7	92.7	92.9	92.9	92.9	93.1
IV 600	82.8	90.0	92.0	92.2	92.2	92.2	93.1	93.1	93.1	93.1	93.3	93.5	93.5	93.6	93.6	93.6	93.8
IV 500	82.8	90.0	92.6	92.7	92.7	92.7	92.9	93.8	94.0	94.0	94.4	94.6	94.6	94.7	94.7	94.7	95.3
IV 400	82.8	90.0	92.6	92.7	92.7	92.7	92.9	93.8	94.0	94.0	94.4	94.6	94.6	94.7	94.7	94.7	95.3
IV 300	82.8	90.2	92.7	92.9	92.9	92.9	93.1	94.0	94.4	94.4	94.9	95.1	95.1	95.3	95.3	95.5	96.0
IV 200	82.8	90.2	92.7	92.9	92.9	92.9	93.1	94.0	94.4	94.4	94.9	95.1	95.1	95.8	96.0	96.6	97.1
IV 100	82.8	90.2	92.7	92.9	92.9	93.1	93.3	94.4	94.7	94.7	95.3	95.5	95.5	96.4	96.6	98.0	98.7
IV 0	82.8	90.2	92.7	92.9	92.9	93.1	93.3	94.4	94.7	94.7	95.3	95.6	95.6	96.7	96.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 551

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	55.1	55.3	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
IV 20000	65.5	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 18000	68.2	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 16000	68.7	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 14000	72.1	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	78.3	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 10000	83.7	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000	84.0	84.7	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
IV 8000	84.7	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 7000	85.7	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	85.7	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 5000	86.1	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	86.4	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	86.4	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	86.4	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	86.7	87.4	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	87.1	87.7	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	87.2	88.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800	87.4	88.6	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	88.1	89.9	90.8	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	88.4	90.4	91.6	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1000	88.4	92.3	93.6	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	88.6	92.4	93.9	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 800	88.7	92.9	94.5	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 700	88.7	92.9	94.6	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 600	88.7	92.9	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	88.7	92.9	95.1	96.0	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 400	88.9	93.1	95.3	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	88.9	93.1	95.3	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	88.9	93.1	95.3	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	88.9	93.1	95.3	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 0	88.9	93.1	95.3	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥¼	≥0
NO CEILING ≥ 20000	56.0 67.0	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7	56.7 67.7
IV 18000 IV 16000	69.5 70.9	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6	70.2 71.6
IV 14000 IV 12000	75.2 82.7	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8	76.3 83.8
IV 10000 IV 9000	85.2 85.3	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4	86.2 86.4
IV 8000 IV 7000	86.0 86.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6	87.1 87.6
IV 6000 IV 5000	87.1 88.1	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2	88.1 89.2
IV 4500 IV 4000	88.5 88.5	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1
IV 3500 IV 3000	88.7 88.7	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2	90.2 90.2
IV 2500 IV 2000	88.7 89.4	90.2 91.3	90.2 91.3	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6	90.2 91.6
IV 1800 IV 1500	89.4 89.7	91.8 92.1	92.0 92.3	92.3 92.7	92.3 92.7	92.3 92.8	92.3 92.8	92.3 92.8	92.3 92.8	92.5 92.8	92.5 93.0	92.5 93.0	92.5 93.0	92.5 93.0	92.5 93.0	92.5 93.0
IV 1200 IV 1000	90.2 90.2	93.7 94.4	93.9 94.9	94.2 95.3	94.2 95.3	94.4 95.5	94.4 95.5	94.4 95.5	94.4 95.5	94.6 95.8	94.6 95.8	94.6 95.8	94.6 95.8	94.6 95.8	94.6 95.8	94.6 95.8
IV 900 IV 800	90.2 90.2	94.6 94.6	95.5 95.8	96.3 96.7	96.3 96.7	96.5 96.9	96.5 96.9	96.5 96.9	96.5 96.9	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2
IV 700 IV 600	90.2 90.2	94.8 94.9	96.0 96.2	97.0 97.4	97.0 97.4	97.2 97.6	97.2 97.6	97.2 97.6	97.2 97.6	97.6 97.6	97.6 97.9	97.6 97.9	97.6 98.1	97.6 98.1	97.7 98.1	97.7 98.1
IV 500 IV 400	90.2 90.2	94.9 94.9	96.2 96.2	97.4 97.4	97.4 97.4	97.6 97.6	97.6 97.6	97.6 97.6	97.6 97.6	97.9 97.9	98.1 98.1	98.1 98.1	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3
IV 300 IV 200	90.2 90.2	94.9 94.9	96.2 96.2	97.4 97.4	97.4 97.4	97.7 97.7	97.7 97.7	97.7 97.7	97.7 97.7	98.3 98.3	98.4 98.4	98.4 98.4	98.8 99.0	98.8 99.0	99.0 99.0	99.0 99.1
IV 100 IV 0	90.2 90.2	94.9 94.9	96.2 96.2	97.4 97.4	97.4 97.4	97.7 97.7	97.7 97.7	97.7 97.7	97.7 97.7	98.3 98.3	98.6 98.6	98.6 98.6	99.3 99.3	99.3 99.3	99.5 99.5	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

77-83
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	≥0
NO CEILING	56.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	67.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 18000	68.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 16000	71.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	74.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 12000	78.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 10000	81.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 9000	81.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 8000	82.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 7000	84.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000	85.6	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 4500	87.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	88.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3500	88.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	88.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	88.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	89.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	89.5	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	89.5	93.6	93.6	93.6	93.8	93.8	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	90.1	94.9	94.9	94.9	95.1	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	90.3	95.1	95.3	95.3	95.5	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 900	90.3	95.1	95.5	96.1	96.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	90.3	95.3	95.9	96.5	96.7	96.7	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	90.3	95.7	96.3	96.9	97.1	97.1	97.5	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	90.3	95.9	96.5	97.1	97.3	97.3	97.7	97.9	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	90.3	95.9	96.5	97.1	97.3	97.3	97.7	97.9	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	90.3	95.9	96.5	97.1	97.3	97.7	98.2	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	90.3	95.9	96.5	97.1	97.3	97.7	98.2	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	90.3	95.9	96.5	97.1	97.3	97.9	98.4	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.4
IV 100	90.3	95.9	96.5	97.1	97.3	97.9	98.4	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.8
IV 0	90.3	95.9	96.5	97.1	97.3	97.9	98.4	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 487

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	60.3	60.9	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	66.7	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 18000	68.1	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 16000	69.3	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 14000	71.2	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	74.6	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	76.1	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 9000	77.1	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	78.1	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 7000	78.1	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	78.5	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000	79.3	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	79.6	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	80.0	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	80.2	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	80.2	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	80.6	83.8	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	80.6	84.0	84.3	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	80.6	84.5	84.7	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	80.6	84.7	84.9	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	80.8	85.9	86.1	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	81.0	87.1	87.5	87.9	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	81.4	87.7	88.1	88.5	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	81.6	88.1	88.8	89.4	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	81.6	88.1	89.0	89.8	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	81.8	89.2	90.2	91.0	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	81.8	89.4	90.8	91.8	92.6	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 400	81.8	89.4	90.8	92.2	93.3	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	81.8	89.4	91.0	92.4	93.5	94.1	94.9	95.5	95.5	95.7	95.7	95.7	95.7	96.3	96.3	96.3
≥ 200	81.8	89.4	91.0	92.4	94.1	94.7	95.5	96.1	96.1	96.7	96.7	96.7	97.3	97.5	97.8	97.8
≥ 100	81.8	89.4	91.0	92.4	94.1	94.7	95.5	96.3	96.3	96.9	96.9	96.9	97.8	98.0	98.4	99.0
≥ 0	81.8	89.4	91.0	92.4	94.1	94.7	95.5	96.3	96.3	96.9	96.9	96.9	97.8	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 489

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.4	≥0
NO CEILING	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	67.4	68.3	68.3	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	69.0	69.9	69.9	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	70.6	71.5	71.5	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	73.9	75.0	75.0	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	77.5	78.5	78.5	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 10000	79.2	80.5	80.5	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000	79.6	80.8	80.8	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	80.1	81.3	81.3	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	80.1	81.5	81.5	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	80.1	81.9	82.0	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	81.3	84.7	85.0	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	81.3	84.7	85.0	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000	82.0	85.4	85.7	86.1	86.1	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500	82.2	85.6	86.1	86.4	86.4	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	82.6	86.3	87.1	87.5	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	82.6	86.4	87.3	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	82.6	87.0	87.9	88.2	88.4	88.4	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	82.6	87.1	88.0	88.6	88.7	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	82.6	87.1	88.0	88.6	88.7	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	82.7	87.9	88.7	89.3	89.6	89.6	90.0	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	82.9	88.6	89.6	90.5	91.0	91.2	91.5	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 900	82.9	88.7	89.8	90.7	91.2	91.4	91.7	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	82.9	88.9	90.0	91.0	91.5	91.7	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	82.9	89.1	90.1	91.2	91.9	92.1	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	83.1	89.3	90.3	91.4	92.8	93.7	94.4	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	83.1	89.3	90.7	91.7	93.8	94.7	95.6	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	83.1	89.3	90.7	91.9	94.2	95.1	96.0	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	83.1	89.3	90.7	92.1	94.4	95.4	96.5	97.4	97.4	97.9	98.1	98.1	98.4	98.4	98.4	98.4
≥ 200	83.1	89.3	90.7	92.1	94.4	95.4	96.5	97.4	97.5	98.2	98.4	98.4	98.9	98.9	98.9	98.9
≥ 100	83.1	89.3	90.7	92.1	94.4	95.4	96.5	97.4	97.5	98.6	98.9	98.9	99.6	99.6	99.6	99.8
≥ 0	83.1	89.3	90.7	92.1	94.4	95.4	96.5	97.4	97.5	98.6	98.9	98.9	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	56.6	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	67.4	69.0	69.0	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	70.1	71.6	71.6	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 16000	72.6	74.1	74.1	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	76.4	78.1	78.1	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 12000	80.6	82.5	82.5	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	83.2	85.1	85.1	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 9000	83.6	85.5	85.5	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 8000	84.8	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 7000	85.0	86.9	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 6000	85.9	87.8	87.8	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 5000	86.1	88.8	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4500	86.1	88.8	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	86.1	89.3	89.3	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	86.3	89.5	89.5	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3000	86.3	89.5	89.5	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2500	86.7	90.1	90.1	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2000	87.0	90.9	91.0	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	87.0	91.0	91.2	91.4	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1500	87.2	91.2	91.4	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	87.8	92.2	92.4	93.0	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	87.8	92.2	92.8	93.3	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	87.8	92.4	93.0	93.5	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	87.8	92.4	93.1	93.7	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	87.8	92.4	93.1	93.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 600	87.8	92.4	93.3	93.9	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	87.8	92.6	93.5	95.0	96.8	96.8	97.1	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	87.8	92.6	93.5	95.0	96.8	97.1	97.5	97.5	97.9	97.9	98.3	98.3	98.3	98.5	98.5	98.5
IV 300	87.8	92.6	93.5	95.0	97.0	97.3	97.7	98.1	98.1	98.1	98.5	98.5	98.5	98.7	98.7	98.7
IV 200	87.8	92.6	93.5	95.0	97.0	97.3	97.7	98.1	98.1	98.1	98.7	98.7	98.7	98.9	98.9	99.0
IV 100	87.8	92.6	93.5	95.0	97.0	97.3	97.7	98.1	98.1	98.1	98.7	98.7	99.0	99.4	99.6	100.0
IV 0	87.8	92.6	93.5	95.0	97.0	97.3	97.7	98.1	98.1	98.1	98.7	98.7	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅓	≥16	≥1	≥0
NO CEILING	58.1	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	68.8	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	70.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 16000	73.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000	76.8	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 12000	81.6	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 10000	82.8	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 9000	83.1	85.0	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
IV 8000	84.7	86.9	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 7000	85.0	87.2	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	86.2	88.4	88.6	88.6	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
IV 5000	86.9	89.1	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500	86.9	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 4000	86.9	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3500	87.4	90.1	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	87.7	90.3	90.6	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
IV 2500	87.9	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2000	88.4	92.0	92.5	93.2	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
IV 1800	88.9	92.5	93.0	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	89.3	93.2	93.7	94.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	90.6	94.7	95.2	96.4	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	90.8	94.9	95.4	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	90.8	94.9	95.4	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	90.8	94.9	95.4	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	90.8	94.9	95.4	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	90.8	94.9	95.4	96.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	90.8	94.9	95.4	96.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	90.8	94.9	95.4	96.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	90.8	94.9	95.4	96.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	90.8	94.9	95.4	96.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	90.8	94.9	95.4	96.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5
IV 0	90.8	94.9	95.4	96.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 413

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover and total number of observations. It is presented by month and available 3-hour groups.

NOTES: 1. Some sources of punched data used for this summary report cloud amounts in eights. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in eights. The manner of conversion is given below:

<u>EIGHTS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

2. For Airways stations the symbols of clear, scattered, broken, overcast, and obscured were used as input for the total sky cover.

Clear was converted to 0/10
Scattered was converted to 3/10
Broken was converted to 9/10
Overcast was converted to 10/10
Obscured was converted to 10/10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

745310 USAF ACADEMY AFD CO

78-84

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
APR	00-02														
	03-05	15.7			36.3							23.5	24.5	5.7	102
	06-08	10.9			39.4							30.0	19.8	5.9	617
	09-11	5.7			44.3							32.4	17.6	6.0	618
	12-14	3.2			31.2							47.9	17.7	7.0	603
	15-17	2.2			25.4							53.0	19.3	7.5	543
	18-20														
	21-23														
TOTALS		7.5			35.3							37.4	19.8	6.4	2483

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

745310

USAF ACADEMY AFD CO

78-84

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
AUG	00-02														
	03-05	13.9			50.3						25.9	9.9	4.8	294	
	06-08	10.6			49.6						29.2	10.6	5.2	651	
	09-11	4.3			55.0						32.9	7.8	5.4	651	
	12-14	.3			36.9						53.5	9.2	6.8	650	
	15-17	.4			27.5						62.0	10.2	7.4	571	
	18-20														
	21-23														
TOTALS		5.9			43.9						40.7	9.5	5.9	2817	

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

745310 USAF ACADEMY AFD CO 77-83 SEP

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02													
	03-05	26.1			43.3						18.7	11.8	4.2	203
	06-08	14.6			51.5						22.1	11.8	4.7	629
	09-11	11.1			57.0						21.0	10.8	4.7	628
	12-14	3.1			53.0						35.3	8.6	5.6	606
	15-17	1.9			50.5						38.5	9.0	5.9	566
	18-20													
	21-23													
	TOTALS	11.4			51.1						27.1	10.4	5.0	2632

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

745310 USAF ACADEMY AFD CO

77-83

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
NOV	00-02														
	03-05	33.3			33.3							18.5	14.8	4.1	27
	06-08	14.0			38.7							32.0	15.3	5.6	550
	09-11	10.6			38.8							34.8	15.8	5.9	595
	12-14	8.0			41.0							36.3	14.7	6.0	573
	15-17	10.1			40.5							33.3	16.2	5.8	487
	18-20														
	21-23														
TOTALS		15.2			38.5							31.0	15.4	5.5	2232

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

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

1. Cumulative percentage frequency of occurrence--Derived from available hourly 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 HIGH temperatures (for available observations)
- b. Daily LOW temperatures (for available observations)
- c. Daily mean temperatures (high + low temperatures divided by two)

2. 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 available 3-hour groups with all 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 which contain both dry-bulb and wet-bulb temperatures; and dry-bulb, wet-bulb, and dewpoint temperatures separately. Total observations for these four items are also provided in two lines at the end of each table.

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 dewpoint temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum x^2$), sums of values ($\sum x$), means (\bar{x}), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dewpoint 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.

Continued on Reverse

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

4. 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 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 745310 USAF ACADEMY AFD CO
 STATION STATION NAME

DAILY TEMPERATURES

71-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95						.2	1.2						.1
90						4.9	10.1	3.0	.5				1.6
85					.3	19.8	37.1	19.8	7.8				7.4
80				.3	2.0	39.3	67.4	52.1	23.9	1.5			16.3
75			.7	2.0	13.6	61.5	85.4	76.7	44.9	9.2	.3		25.6
70			3.6	11.9	31.7	74.8	96.0	90.8	65.5	28.7	3.9	.3	35.2
65	.5	2.0	6.0	24.0	53.4	88.9	97.2	96.3	79.0	47.4	12.8	.9	43.6
60	5.4	7.1	15.7	42.4	66.8	93.8	99.1	98.8	85.7	62.3	24.7	7.8	51.9
55	12.8	19.6	31.2	57.3	80.9	96.3	99.5	99.8	90.9	75.3	37.5	19.7	61.0
50	25.7	37.2	46.0	72.5	88.4	98.5	100.0	100.0	94.8	84.0	47.8	33.6	69.9
45	40.5	53.7	60.0	80.6	93.5	99.3			97.7	91.5	58.9	47.5	77.6
40	57.3	65.4	74.8	86.1	97.7	99.8			99.2	94.0	71.7	61.2	84.4
35	68.1	75.1	81.7	92.4	98.7				99.5	96.5	82.5	71.0	89.1
30	77.8	84.0	91.2	96.7	100.0	100.0			100.0	99.0	89.2	82.3	93.6
25	84.2	91.6	96.2	99.2						99.5	95.6	88.1	96.3
20	90.6	96.4	98.8	99.7						100.0	98.9	92.2	98.1
15	94.6	98.5	99.8	100.0							99.7	95.4	99.0
10	97.9	99.2	100.0									97.1	99.5
5	99.8	99.5									100.0	99.4	99.9
0	100.0											100.0	100.0
-5		100.0											100.0
MEAN	39.6	43.8	47.3	55.1	63.3	75.8	81.5	79.0	71.4	61.5	48.1	41.8	59.0
S. D.	13.566	12.746	12.484	12.220	10.490	9.856	7.104	6.866	10.989	11.701	13.722	13.817	18.602
TOTAL OBS.	405	393	420	396	397	405	426	434	385	401	360	345	4767

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 745310 USAF ACADEMY AFD CO

DAILY TEMPERATURES

STATION

STATION NAME

71-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85							.2						.0
80						1.2	2.6	1.4	.3				.5
75						4.9	9.9	8.8	1.3				2.2
70					.5	17.8	39.9	33.4	9.9	.5			9.0
65			.5	2.0	5.5	45.4	82.2	73.0	31.4	4.7	.8		21.5
60		.5	2.1	5.8	19.9	70.6	95.3	92.9	55.3	14.0	3.6		31.3
55	2.2	1.8	6.0	16.9	46.9	86.9	99.5	99.3	75.3	33.7	6.7	2.0	41.1
50	6.7	7.6	14.3	34.6	67.0	95.1	100.0	100.0	86.8	56.4	19.4	8.4	50.8
45	12.6	17.8	28.3	55.8	83.1	98.8			94.5	74.1	33.1	20.0	60.8
40	24.2	33.6	45.0	75.3	94.2	99.8			98.4	86.3	48.6	34.5	70.8
35	40.5	49.6	63.1	84.3	98.0				99.5	94.0	61.9	50.4	79.0
30	57.5	67.7	82.6	92.9	100.0	100.0			100.0	98.0	78.1	64.1	87.2
25	74.6	79.6	92.4	98.2						99.3	88.1	80.9	93.0
20	82.5	90.3	96.0	99.5						100.0	95.8	87.8	96.1
15	88.6	96.2	99.3	100.0							99.2	92.5	98.0
10	92.8	98.5	99.8								99.4	95.7	98.9
5	97.3	99.2	100.0								99.7	97.4	99.5
0	98.8										100.0	99.1	99.8
-5	99.5	100.0										100.0	100.0
-10	100.0												100.0
MEAN	30.9	34.0	38.5	45.2	52.8	63.1	68.6	67.4	59.6	50.0	38.8	33.7	48.6
S. D.	12.568	11.043	10.288	9.832	7.904	7.512	5.057	5.238	8.381	9.211	11.442	12.269	16.237
TOTAL OBS.	409	393	420	396	397	409	426	434	389	401	360	345	4767

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

YEARS

JAN
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																	
50/ 49								.5																								3	3				
48/ 47							.2	.2																								2	2				
46/ 45					.5	.2	.2																									5	5				
44/ 43					.5	1.5	.3																									14	14				
42/ 41				.2	.7	.3	.2	.5																								11	11				
40/ 39				.5	.3	.9	.2	.2																								12	12	1			
38/ 37			.2	.5	.9	.5	.3																									14	14	5			
36/ 35		.2	.5	.9	1.4	1.2	.2																									25	25	11			
34/ 33	.3			1.4	.9																											17	17	21	3		
32/ 31	.2	.2	1.4	2.9	1.4	.5																										38	38	13	4		
30/ 29		1.4	1.5	2.6	.3	.7																										38	38	20	1		
28/ 27	1.0	1.0	1.2	1.2	.7																											30	30	45	7		
26/ 25	.3	2.2	1.7	1.2	.5																											35	35	46	16		
24/ 23		2.1	.5	.3	.2																											18	18	53	11		
22/ 21	1.0	4.1	2.2	.3																												45	45	53	24		
20/ 19	2.2	9.0	2.9	.9																												87	87	67	64		
18/ 17	1.4	2.1	1.0	.3																												26	26	54	60		
16/ 15	.9	2.1	.9	.5																												25	25	33	63		
14/ 13	.2	4.8	.7	.2																												34	34	19	49		
12/ 11	.9	1.9	.3																													18	18	38	30		
10/ 9	.5	2.1	.5																													18	18	28	43		
8/ 7	.3	1.2	.5																													12	12	13	37		
6/ 5	.2	.9	.2																													7	7	11	17		
4/ 3	.2	1.0	.2																													8	8	9	33		
2/ 1		2.1																														12	12	8	29		
0/ -1	.5	.7																														7	7	11	12		
-2/ -3	.2	1.2																														6	6	7	7		
-4/ -5		.2																														1	1	5	10		
-6/ -7																																			1	13	
-8/ -9		.3																															2	2		17	
-10/-11		.5																															3	3	3	3	
-12/-13																																		2	2	3	3
-14/-15																																				1	7
-16/-17	.2																																				
Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 JAN
STATION STATION NAME YEARS MONTH

PAGE 2 0600-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point		
-16/-19	.5																	3	3	3	4		
-20/-21																					3		
-22/-23																					1		
-24/-25																					2		
-30/-31																					1		
-32/-33																					2		
-34/-35																					1		
TOTAL	11.0	41.1	16.5	13.9	8.3	5.9	1.9	1.4													581	581	581
																		581		581			

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	2566905	36865	63.5	19.818	581							
Dry Bulb	365032	12870	22.2	11.740	581	4.0	76.5					93
Wet Bulb	257972	10862	18.7	9.729	581	5.3	86.9					93
Dew Point	132615	5975	10.3	11.077	581	14.4	92.5					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS JAN 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
62/ 61									.2								1	1	
60/ 59								.2		.2							2	2	
58/ 57								.2	.3	.2							4	4	
56/ 55							.2	.2	.3	.3							7	7	
54/ 53							.2	.2	.3	.5							7	7	
52/ 51						.2	.2	.5	.5	.2							9	9	
50/ 49						.5	.3	.3	.2								8	8	
48/ 47					.2	.2	1.5	.7	.3								17	17	
46/ 45					.3	1.2	2.1	.7	.5								29	29	
44/ 43					.7	3.0	.8	.5									30	30	3
42/ 41				.7	1.3	2.8	1.3										37	38	5
40/ 39	.2	.3	.5	1.5	1.3	1.3											31	31	12
38/ 37	.2		1.2	1.8	2.3	.3	.2										36	36	17
36/ 35	.2	.2	1.7	2.1	1.2												32	32	41
34/ 33	.2	.3	1.3	2.0	2.0												35	35	51
32/ 31	.5	.7	2.1	2.3	1.7	1.3											52	52	51
30/ 29	.5	3.0	1.2	.7	.8												37	37	66
28/ 27		1.2	1.5	1.2	.3												25	25	71
26/ 25		2.5	.8	.5	1.0												29	29	46
24/ 23		1.5	.7	.5	.2												17	17	39
22/ 21	1.7	1.5	.8	1.2	.3												33	33	41
20/ 19	1.7	3.8	.7	.5													40	40	96
18/ 17	.2	1.0	.2														8	8	29
16/ 15	.2	1.7	.7	.2													16	16	21
14/ 13		2.0	.7	.2													17	17	12
12/ 11	.2	1.2	.5														11	11	16
10/ 9	.2	.3															3	3	14
8/ 7		1.3	.7														12	12	6
6/ 5		.2	.2														2	2	7
4/ 3	.2	1.2	.2														9	9	8
2/ 1		.8															5	5	7
0/ -1		.2															1	1	5
-2/ -3		.3															2	2	2
-4/ -5																			8
																			7
Element (X)	Σx²	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

YEARS

JAN
 MONTH

PAGE 2

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
-6/-7																					14
-8/-9																					6
-10/-11		.2																1	1		6
-12/-13																				1	
-14/-15																					3
-16/-17																					2
-24/-25																					1
TOTAL	5.3	25.1	12.6	13.1	14.2	13.9	8.3	3.1	2.3	1.5	.7							606		605	
																		605		605	

Element (X)	Z _X ¹	Z _X	F	e _X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2017128	32498	53.7	21.2	605							93
Dry Bulb	680514	18856	31.1	12.4	606	.6	49.1					93
Wet Bulb	430594	15164	25.1	9.1	605	1.2	73.2					93
Dew Point	176155	8531	14.1	9.6	605	9.1	92.4					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

YEAR

JAN
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																				
64/ 63											.5																						3	3							
62/ 61								.2			.2	.2																						3	3						
60/ 59								.3			1.2	.2																													
58/ 57								.3			.2	.3																							10	10					
56/ 55								.3	.2	.5	.7																								11	11					
54/ 53								.8	.3	.3	.2	.2																							10	10					
52/ 51								.3	2.0	1.0	.2																									21	21				
50/ 49							.3	.8	1.7	1.0	.2																									24	24				
48/ 47							.3	2.5	2.3	.7																										35	35				
46/ 45							1.2	1.5	3.7	.8	.2																									44	44	3			
44/ 43			.2		.7	2.0	2.7	1.5	.2																											43	43	8			
42/ 41			.3	.2	1.5	1.5	2.0	.8																												38	38	10			
40/ 39			.3	.5	2.8	2.5	1.7																													47	47	25			
38/ 37		.2	.2	.2	2.8	.5	.2																													24	24	44			
36/ 35			.2	.3	1.7	1.5	.2																													23	23	57	1		
34/ 33		.2	1.8	2.7	.8	1.2	.3																													42	42	61	3		
32/ 31	.2	1.0	3.4	1.3	.7	.8																															44	44	69	8	
30/ 29	.2	1.7		.8	.3																															18	18	77	14		
28/ 27	.7	1.7	1.3	.3	.3	.2																															27	27	61	21	
26/ 25	.3	1.0	.7	.3	.3																																16	16	33	25	
24/ 23	.2	.7	.3	.5	.3																																12	12	33	25	
22/ 21		1.0	1.0	.5	.3																																17	17	15	55	
20/ 19		1.0	1.3	1.0																																	20	20	14	84	
18/ 17		1.2	.5	.3																																	12	12	19	55	
16/ 15		1.3	.7																																		12	12	21	62	
14/ 13		.7	.2																																		5	5	14	49	
12/ 11	.2	.5	.5																																		7	7	8	52	
10/ 9	.2	.7	.5																																		8	8	6	23	
8/ 7		1.0																																			6	6	7	25	
6/ 5		.3																																			2	2	8	11	
4/ 3																																									
2/ 1		.3																																							
0/ -1																																									
-2/ -3																																									
Element (X)	Σx'		Σx		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature											Total																					
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																											
Dry Bulb																																									
Wet Bulb																																									
Dew Point																																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 JAN

STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
-4/-5																					9
-6/-7																					4
-8/-9																					2
-10/-11																					2
-12/-13																					1
-14/-15																					3
TOTAL	1.6	14.4	13.4	9.0	13.9	12.4	15.6	10.1	4.5	1.5	3.0	.3						597		597	
																	597		597	597	
Element (X)	ΣX'	ΣX	X	f _a	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	1483759	27213	45.6	20.205	597	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	894151	21899	36.7	12.347	597		32.4					93									
Wet Bulb	528603	17033	28.5	8.458	597	.3	60.6					93									
Dew Point	182565	8995	15.1	8.884	597	6.1	92.4					93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 76-84 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
64/ 63																		2	2		
62/ 61																		1	1		
60/ 59																		3	3		
58/ 57																		2	2		
56/ 55																		2	2		
54/ 53																		11	11		
52/ 51																		9	9		
50/ 49																		20	20		
48/ 47																		24	24		
46/ 45																		21	21		1
44/ 43																		35	35		3
42/ 41																		46	46		10
40/ 39																		39	39		10
38/ 37																		36	36		18
36/ 35																		45	45		41
34/ 33																		29	29		64
32/ 31																		36	36		74
30/ 29																		27	27		76
28/ 27																		20	20		51
26/ 25																		16	16		35
24/ 23																		11	11		28
22/ 21																		16	16		14
20/ 19																		19	19		21
18/ 17																		14	14		16
16/ 15																		14	14		19
14/ 13																		13	13		15
12/ 11																		7	7		12
10/ 9																		4	4		7
8/ 7																		9	9		6
6/ 5																		2	2		10
4/ 3																					2
2/ 1																					
0/ -1																					
-2/ -3																					
Element (X)	Σ x ²	Σ x	X	%	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 JAN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
-4/-5																					5
-6/-7																					4
-8/-9																					2
-10/-11																					1
-14/-15																					3
TOTAL	1.7	18.9	15.6	12.4	15.2	12.9	13.1	4.3	2.6	2.3	.9	.2						533		533	
																	533			533	

Element (X)	Σ X'	Σ X	N	r _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	1534520	26638	50.0	9.545	533		36.3				93
Dry Bulb	700761	18315	34.4	1.586	533		67.4				93
Wet Bulb	434678	14582	27.4	8.196	533	5.9	93.0				93
Dew Point	169007	8235	15.5	8.861	533						93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

76-84
 YEAR

YEAR

FEB
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
58/ 57																		1	1	
56/ 55										.2								1	1	
54/ 53										.5								3	3	
52/ 51										.2								1	1	
50/ 49								.5	.2									5	5	
48/ 47							.2	.5	.2									6	6	
46/ 45							.2	.2	.2	.2								4	4	
44/ 43						.2	.3	.3	.5									8	8	
42/ 41					.9	1.2	.2	.7										17	17	
40/ 39				.3	1.2	.7	.5											16	16	
38/ 37			.2	.5	1.9	.3	.2											18	18	9
36/ 35			.5	1.7	1.0	1.2	.7											30	30	11
34/ 33		.5	1.9	.9	1.5	1.0												34	34	14
32/ 31	.5	1.5	2.2	3.1	1.4													51	51	30
30/ 29	.3	1.9	1.7	3.1	.7	.2												46	46	52
28/ 27	1.4	1.7	1.0	1.2	.3													33	33	56
26/ 25	.7	3.4	1.9	.7	.5													42	42	64
24/ 23	.9	2.4	1.2	.2	.2													28	28	67
22/ 21	1.0	3.9	2.2	.5	.3													47	47	49
20/ 19	1.7	6.5	1.5	.2														58	58	49
18/ 17	1.0	3.9	.7	.2														34	34	51
16/ 15	1.0	2.9	.7	.2														28	28	37
14/ 13	.9	2.7	.3	.2														24	24	24
12/ 11		1.5	.5															12	12	18
10/ 9		1.7																10	10	13
8/ 7		.9	.3															7	7	15
6/ 5		.2																1	1	4
4/ 3		.3																2	2	3
2/ 1	.2	1.2																8	8	3
0/ -1																				6
-2/ -3		1.0																6	6	5
-4/ -5		.5																3	3	1
-6/ -7																				3
-8/ -9																				11
																				4
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																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 FEB

STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
-10/-11																					5
-14/-15		.3																2	2	2	1
-16/-17	.2																	1	1	1	1
-18/-19																					5
-20/-21																					2
-28/-29																					3
TOTAL	9.7	39.0	16.9	12.8	10.1	5.3	3.1	1.9	.5	.7	.2						587	587	587	587	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2580839	36997	63.0	20.614	587	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	84									
Dry Bulb	449502	14934	25.4	10.895	587	1.7	63.4					84									
Wet Bulb	314502	12632	21.5	8.533	587	2.6	79.1					84									
Dew Point	154240	7630	13.0	9.694	587	6.9	84.0					84									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

FEB
 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
68/ 67																	.2	1	1	
64/ 63																	.2	2	2	
62/ 61																	.3	5	5	
60/ 59																	.5	5	5	
58/ 57																	.3	7	7	
56/ 55																	.5	13	13	
54/ 53																	.3	13	13	
52/ 51																	.8	26	26	
50/ 49																	.7	22	22	
48/ 47																	1.9	30	30	
46/ 45																	.7	36	36	1
44/ 43																	1.4	25	25	5
42/ 41																	1.7	31	31	15
40/ 39																	1.7	31	31	21
38/ 37																	.5	34	34	34
36/ 35																	.3	36	36	48
34/ 33																	.2	29	29	58
32/ 31																	.7	47	47	66
30/ 29																	.2	26	26	61
28/ 27																	.3	34	34	54
26/ 25																	.2	33	33	61
24/ 23																	.3	6	6	44
22/ 21																	.2	36	36	28
20/ 19																	.7	23	23	23
18/ 17																	.2	10	10	30
16/ 15																	.3	12	12	16
14/ 13																	.2	4	4	7
12/ 11																	.3	2	2	2
10/ 9																	.2	2	2	5
8/ 7																	.3	2	2	2
6/ 5																	.2	1	1	13
4/ 3																	.3	1	1	2
2/ 1																	.2	1	1	12
0/ -1																	.3	2	2	1
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

FEB
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb	Dew Point	
-2/-3																					2	5
-4/-5		.3																2	2		1	2
-6/-7																					1	1
-8/-9		.2																1	1		1	2
-10/-11																					1	1
-14/-15																					1	1
-16/-17																						1
-18/-19																						3
-22/-23																						1
TOTAL	4.6	16.3	13.1	12.2	11.2	11.2	11.0	9.0	5.3	3.7	1.4	.7	.2					589	589		589	
Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.	1702642	28762	48.8	22.518	589		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	84									
Dry Bulb	641512	21068	35.8	12.229	589		.7	34.7	.1				84									
Wet Bulb	504577	16587	28.2	7.982	589		.9	58.0					84									
Dew Point	182149	9111	15.5	8.372	589		3.6	83.9					84									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74531D USAF ACADEMY AFD CO 78-84 FEB
 STATION STATION NAME YEARS MONTH

PAGE ? 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	
0/ -1		.3																2	2	1	2	
-2/ -3																				1	2	
-4/ -5																					1	
-6/ -7		.2																1	1			
-8/ -9																				1	3	
-18/-19																					3	
TOTAL	2.4	9.7	8.2	9.9	12.5	11.1	8.9	14.1	8.2	8.9	3.7	1.7	.7				575	575	575	575		

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1221735	23589	41.0	21.036	575	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	1060930	23618	41.1	12.579	575	.4	21.8	.3				84
Wet Bulb	591017	17899	31.1	7.679	575	.4	44.4					84
Dew Point	177451	9153	15.9	7.437	575	1.6	84.0					84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 FEB

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
70/ 69													.2					1	1	
68/ 67													.6					3	3	
66/ 65												.4						2	2	
64/ 63									.2	.8	1.1							11	11	
62/ 61									.6	.8	.8							11	11	
60/ 59								.4	.6	.8	.2							10	10	
58/ 57									.4	.9	.2							8	8	
56/ 55							.2	.6	.9	.9	.6							17	17	
54/ 53						.2	1.5	2.3	.6	.2								25	25	
52/ 51				.2		.4	3.4	2.3	.4									35	35	
50/ 49						1.1	.8	3.0	.9	.4								33	33	
48/ 47						.2	1.3	1.9	.9									23	23	
46/ 45					.9	1.3	3.0	1.5	.8									40	40	5
44/ 43				.4	.4	2.5	2.7	.8										35	35	18
42/ 41				.6	.6	1.5	1.7	.2										24	24	21
40/ 39			.2	1.1	1.5	1.1	1.1											27	27	36
38/ 37		.4	.6	.6	1.5	1.9												26	26	49
36/ 35		.2	1.5	2.5	2.1	.9												38	38	62
34/ 33		.4	.9	1.9	.9	1.3												29	29	64
32/ 31		1.3	.2	2.3	.9	.8												29	29	56
30/ 29	.4		1.3	1.1	.6													18	18	56
28/ 27	.8	.4	.9	.8	.6													18	18	35
26/ 25		1.1	1.3	.4														15	15	32
24/ 23	.4	.4	.8															8	8	30
22/ 21	.9	.4	1.1		.2													14	14	24
20/ 19		2.8	.4															17	17	12
18/ 17		.4																2	2	17
16/ 15		.6																3	3	2
14/ 13		.4																2	2	3
12/ 11																		2	2	2
10/ 9			.2															1	1	34
8/ 7			.2															1	1	26
6/ 5																				2
4/ 3																				10
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 76-84 MAR
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
64/ 63									.2									1	1																	
58/ 57							.3	.2										3	3																	
56/ 55									.2									1	1																	
54/ 53							.2	.3										3	3																	
52/ 51							.5	.2										4	4																	
50/ 49						.8	.8	.3										12	12																	
48/ 47					.2	.5	1.3	.5										15	15																	
46/ 45					.3	.2	1.6	.2										14	14	1																
44/ 43				.2	.3	1.0	1.0	.3										17	17	3																
42/ 41				.2	.8	1.4	1.0											21	21	1																
40/ 39			.2	.6	1.1	1.9	.3											26	26	11																
36/ 37			.6	1.4	2.4	.6												32	32	13																
36/ 35	.5	.5	2.2	1.6	.5	1.1	.6											44	44	26	3															
34/ 33	.2	2.6	1.3	1.9	1.0	.6												47	47	40																
32/ 31	1.9	6.6	2.6	1.8	.6	.6												88	88	86	29															
30/ 29	3.5	2.7	1.4	.6	.5													55	55	104	49															
28/ 27	1.9	2.6	1.3	.8														41	41	64	37															
26/ 25	1.0	5.0	1.3	.5														48	48	62	57															
24/ 23	.5	4.5	1.0															37	37	68	23															
22/ 21	1.0	2.4	1.0	.3														29	29	47	76															
20/ 19	1.1	4.8	.6															41	41	71	109															
18/ 17	.3	1.9																14	14	23	52															
16/ 15		.8																5	5	15	47															
14/ 13		.8																5	5	3	30															
12/ 11		.5																3	3	5	22															
10/ 9		.5	.2															4	4	3	25															
8/ 7		.2	.2															2	2	5	15															
6/ 5		1.0																6	6	3	4															
4/ 3		.5																3	3	5	19															
2/ 1		.3																2	2	2	10															
0/ -1	.2	.2																2	2	4	2															
-2/ -3																					4															
-4/ -5																					5															
-6/ -7																					1															
Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature																														
(Rel. Hum.)						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

MAR
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
-8/-9																					1
-10/-11																					2
-12/-13																					3
TOTAL	12.0	38.1	13.8	9.9	7.7	6.8	7.0	1.9	.2	.5	.2							625		625	
																	625		625		
Element (X)	Σ X²		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature					Total					
Rel. Hum.	3030997		41351		66.2		21.748		625		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	644568		19150		30.6		9.625		625		.3	57.3					93				
Wet Bulb	469599		16549		26.5		7.095		625		.6	78.9					93				
Dew Point	270091		11901		19.0		8.347		625		2.7	92.6					93				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

YEARS

MAR
 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
68/ 67										.3	.2						3	3		
66/ 65										.2	.2						2	2		
62/ 61								.2		.2							2	2		
60/ 59									.6	.2	.2						6	6		
58/ 57								.2	.2	1.1	.3						11	11		
56/ 55							.2	1.3	1.4	1.4	.3						29	29		
54/ 53							.2	1.0	1.0	.5							16	16		
52/ 51						.5	1.0	2.4	1.8	.5							39	39		
50/ 49				.2		.8	1.3	2.6	1.3								38	38		
48/ 47				.2	.2	.8	1.8	1.9	.2								30	30		2
46/ 45				.3	1.6	1.8	1.0										29	29		4
44/ 43			.2	.6	1.9	3.4	1.0	.6									48	48		4
42/ 41		.2		1.0	2.4	1.3	1.6	.8									45	45	22	
40/ 39		.8	1.8	1.8	.6	.8	.2										37	37	47	1
38/ 37		.6	1.0	1.3	.6	.5	.5										28	28	58	2
36/ 35		1.3	1.8	2.4	1.1	.8	.2										47	47	93	3
34/ 33	.8	1.6	1.6	1.3	1.0	.2											40	40	85	8
32/ 31	1.6	3.7	1.8	1.0	.5	.5											56	56	69	31
30/ 29	2.6	2.1	.6	1.3													41	41	84	49
28/ 27	.3	2.4	.8	.3													24	24	46	45
26/ 25	.3	1.4	.5	.2	.2												16	16	40	70
24/ 23	.2	.8	.2														7	7	31	44
22/ 21	.2	.5	.3	.2													7	7	10	46
20/ 19		1.0	.3	.2													9	9	5	90
18/ 17		.5	.5														6	6	6	56
16/ 15		.3															2	2	9	51
14/ 13			.2														1	1	3	25
12/ 11																				41
10/ 9																			1	15
8/ 7		.3															2	2		13
6/ 5		.2															1	1	2	7
4/ 3																			1	6
2/ 1																				8
0/ -1																				6
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

MAR
 MONTH

PAGE 2

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
-2/ -3																					2
-4/ -5																					2
-6/ -7																					1
TOTAL	5.9	16.9	10.5	11.6	10.0	11.1	10.1	11.9	5.9	4.2	1.4	.5						622	622	622	
																	622		622		
Element (X)	Σx ²		Σx		X	x _n	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	2012110		31974		51.4	24.359	622	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	1047658		24696		39.7	10.397	622		25.7	.4				93							
Wet Bulb	655252		19818		31.9	6.193	622		45.9					93							
Dew Point	291333		12569		20.2	7.755	622	1.6	90.9					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

745310 USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	>31	Dry Bulb	Wet Bulb	Dew Point
72/ 71																		1	1		
70/ 69													.3	.3	.2			5	5		
68/ 67												.2	.2					2	2		
66/ 65											.2	.3						3	3		
64/ 63											.7	.2						5	5		
62/ 61										.3	.5	.3						7	7		
60/ 59								.5	2.2	2.5	.2							32	32		
58/ 57						.5	1.7	2.2	.7									30	30		
56/ 55				.2	.3	1.0	1.5	3.0	.2									37	37		
54/ 53				.2	1.3	1.3	2.5	.7										36	36		
52/ 51			.2		.3	1.2	1.7	2.7	.5									39	39		
50/ 49				.2	1.0	1.0	1.6	1.2										31	51	1	
48/ 47				.2	1.2	2.0	1.3	.2										29	29	3	
46/ 45				.2	1.5	3.2	2.9	1.2	.7									57	57	6	
44/ 43			.2	.5	2.0	2.4	.7	.7	.2									39	39	23	
42/ 41				1.0	2.5	1.2	1.2	.2										36	36	55	
40/ 39		.2	.7	1.8	1.0	.2	.5											26	26	62	
38/ 37			1.5	2.7	.7	.7	.2											34	34	81	
36/ 35	.8	.8	1.2	1.5	.8													31	31	86	
34/ 33	.3	1.2	1.7	.7	.3	.3												27	27	83	
32/ 31	1.2	2.2	1.2	.7	.7	.2												36	36	61	
30/ 29	.7	2.5	.3	.2														22	22	54	
28/ 27		.7	.2	.2	.3													8	8	35	
26/ 25		1.2	.2		.2													9	9	14	
24/ 23	.2	.2																2	2	16	
22/ 21			.3															2	2	1	
20/ 19	.2	.3	.3															5	5	6	
18/ 17			.2															1	1	2	
16/ 15																				2	
14/ 13																				1	
12/ 11																				1	
10/ 9			.5															3	3	21	
8/ 7																				15	
6/ 5																				1	
																			2		9
Element (X)	Z _X ²	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 21 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 5																					8
4/ 3																					4
2/ 1																					6
0/ -1																					1
-2/ -3																					2
-4/ -5																					1
-6/ -7																					3
TOTAL	4.4	8.1	9.1	7.4	12.1	10.4	12.1	9.7	9.3	9.3	5.9	1.5	.8						530		528
																		528			528
Element (X)	ΣX ²		ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	1308998		23220		44.0		23.371		528		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb	1128210		23818		44.9		10.456		530			12.5	1.2	.2			93				
Wet Bulb	655047		18365		34.8		5.557		528			25.7					93				
Dew Point	258724		10976		20.8		7.615		528		1.2	89.8					93				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS APP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
70/ 69																		1	1		
68/ 67																		1	1		
66/ 65																		1	1		
64/ 63																		3	3		
62/ 61																		2	2		
60/ 59								.2	.3	.5	.5	.2						10	10		
58/ 57						.2	.5	.2	.6	.2								10	10		
56/ 55					.2	.5	.2	.8	1.0	.5	.2							20	20		
54/ 53					.2	.3	.5	.6										11	11		
52/ 51				.3	.6	.5	.6	.5	.3	.3								20	20		
50/ 49			.5	.5	.2	.8	1.1	.5	.3	.2								25	25	1	
48/ 47		.3	.3	.2	1.0	1.3	.5	1.0	.2									29	29	6	
46/ 45	.5	1.3	.5	.5	1.3	.6	.6	.6	.2									38	38	19	4
44/ 43	.5	.6	1.3	1.8	.5	1.0	.3											37	37	30	10
42/ 41	.3	1.9	.6	1.9	1.0	.6	.5	.5										46	46	37	15
40/ 39	.5	3.1	1.9	1.5	.6	.3	.5											52	52	55	16
38/ 37	.2	1.3	2.1	1.0	1.3	.2	.5											40	40	66	20
36/ 35	.3	1.6	2.6	.6	.6	.6	.2											41	41	50	32
34/ 33	1.1	2.3	.8	.3	.5	.2	.2											33	33	64	25
32/ 31	.2	4.4	1.9	1.1	.6	.3												53	53	49	56
30/ 29	.8	1.6	1.5	.8														29	29	55	47
28/ 27	.6	2.1	.6	.8	.3													26	28	39	54
26/ 25	.5	1.9	1.1	.6														26	26	39	48
24/ 23	.5	.8	.8	.2														14	14	36	28
22/ 21	.2	2.4	.5	.2														20	20	20	35
20/ 19	.2	1.5	.3															12	12	27	63
18/ 17	.2	.5	.3															6	6	8	29
16/ 15		.3	.3															4	4	4	34
14/ 13																				4	23
12/ 11		.3																2	2	1	15
10/ 9																				2	16
8/ 7		.2																1	1	2	13
6/ 5		.2																1	1	2	8
4/ 3																					11

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

APR
 MONTH

PAGE 2 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	
2/ 1																					10	
0/ -1																					3	
-2/ -3																					1	
TOTAL	6.5	28.7	18.2	12.3	8.9	7.3	5.7	5.2	3.2	2.8	1.0	.2						616		616		
																	616		616			
Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	2737972	38490	62.5	23.268	616	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	967193	23521	38.2	10.598	616		28.6	.3				90										
Wet Bulb	689225	20041	32.5	7.778	616		41.8					90										
Dew Point	424498	14972	24.3	9.927	616	.6	72.2					90										

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 7B-84 YEARS APP 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	Dew Point															
74/ 73														.3	.3																	4	4		
72/ 71														.2	.2																	2	2		
70/ 69													.2	.8																		12	12		
68/ 67												.2	.7	1.0	.5																	19	19		
66/ 65											.2	.2	.7	.7	1.3	.3																19	19		
64/ 63											.2	.8	.7	1.8	1.0																	27	27		
62/ 61										.2	.2	.2	.7	1.1	.5																	17	17		
60/ 59								.8	.3	.2	1.0	1.5	2.0	.2																		36	36		
58/ 57								.3	.8	1.3	1.1	1.5	.3																			28	28		
56/ 55						.8	.3	1.0	1.8	1.3	.7	.3																				41	42		
54/ 53					.3	.3	1.5	1.8	.7	.7																						32	32	1	
52/ 51			.2	.5	.7	1.3	.8	.5	1.0	.2																						31	31	2	
50/ 49			.5	.5	1.0	1.1	1.1	1.0	.8	.2																						38	38	19	
48/ 47		.3	.7	.7	1.8	1.3	1.1	.7	.3	.2																						43	43	38	
46/ 45		.2	.5	.5	1.6	.7	.8	.3	.5																							31	31	34	
44/ 43	.2	.8	.8	1.0	.5	.8	.3	1.1	.2																							35	35	67	
42/ 41	.3	.5	.8	.8	1.0	.3	.5	.8																								31	31	91	
40/ 39	.2	1.0	1.0	1.1	.3	.7	1.1	.7																								37	37	68	
38/ 37			.2	.5	1.1	.5	.5																									17	17	57	
36/ 35	.3	.3	1.3	.5	.8	.5	.3																									25	25	39	
34/ 33	.3	.7	.7	.7	.7																											18	18	38	
32/ 31	.5	1.0	.8	1.1																												21	21	31	
30/ 29	.7	.7	1.0		.2																											15	15	35	
28/ 27	.2	1.5	.5	.2	.2																											15	15	38	
26/ 25		.8	.8	.2	.2																											12	12	30	
24/ 23		.5																														3	3	11	
22/ 21		.3	.3																													4	4	7	
20/ 19		.2																														1	1	5	
18/ 17																																			
16/ 15																																	3		36
14/ 13																																			34
12/ 11																																			20
10/ 9																																			33
8/ 7																																			9
Element (X)	Σ X ²		Σ X		X	e _x	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

APR
 MONTH

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

APR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point							
10/ 9																											
8/ 7																											15
6/ 5																											17
4/ 3																											5
2/ 1																											11
0/ -1																											6
-2/ -3																											2
-4/ -5																											3
TOTAL	.8	4.5	6.7	7.5	7.9	8.2	9.9	7.4	10.9	10.4	6.5	8.2	8.9	1.8	.5											3	
																						598	600	598	598		

Element (X)	ΣX^2	ΣX	\bar{X}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	1074774	21870	36.62	1.460	598							
Dry Bulb	1778064	31870	53.11	1.929	600		6.2	13.2	2.9			90
Wet Bulb	970536	23742	39.7	6.839	598		17.9					90
Dew Point	377412	13820	23.1	9.859	598	1.2	74.6					90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74531D USAF ACADEMY AFD CO 78-84 APR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
80/ 79															.4			2	2		
76/ 75													.4	.7	.4			6	9		
74/ 73													.6	.7				7	7		
72/ 71												1.5	1.3	.6				18	18		
70/ 69											.7	1.8	2.0	.6				28	28		
68/ 67									.4		.6	.6	2.8					23	23		
66/ 65							.2	.2		.2	1.1	2.6	.4					25	25		
64/ 63							.4	.2	.7		.9	2.0						23	23		
62/ 61							.2	.4	1.3	.9	1.7	.6						27	27		
60/ 59						.2		1.1	.9	1.5	2.4							33	33		
58/ 57					.6	.2	.2	.9	3.1	2.8	.2							43	43		
56/ 55					.7	.4	1.3	1.8	2.2	.6	.7							42	42		
54/ 53			.2		.7	1.5	.7	2.0	.9	.7								37	37	1	
52/ 51			.2	.4	1.1	2.0	.9	.7	.9	.2								35	35	10	
50/ 49			.6	2.0	.7	1.1		.9	.2	.6								33	33	30	
48/ 47			.6	1.1	.2	.6		.6	.2	.4								19	19	39	
46/ 45		.2	.7	.6	1.3	.2	.4	1.3	.4									27	27	61	
44/ 43		.7	.6	.2	.6	.6	.6	.4										19	19	94	
42/ 41	.7	.4	.2	.4	.2	.4	.7	.2										17	17	96	
40/ 39	.2		.2			.6	.9											10	10	55	
38/ 37		.2	.2	.6	.9	.2	.4											13	13	26	
36/ 35		.2	.6	.4	.2	.2												8	8	23	
34/ 33		.2	1.3	.9		.2												14	14	16	
32/ 31		1.1	.9	.7		.2												16	16	20	
30/ 29		.7	.2															5	5	23	
28/ 27		.4	.7															6	6	23	
26/ 25		.6	.2															4	4	8	
24/ 23																				8	
22/ 21			.2															1	1	1	
20/ 19																				1	
18/ 17																					
16/ 15																					
14/ 13																					
12/ 11																					
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.					$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$											
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

APR
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
10/ 9																					15
8/ 7																					17
6/ 5																					3
4/ 3																					2
2/ 1																					6
0/ -1																					4
-2/ -3																					3
TOTAL	.9	4.6	7.4	7.2	7.0	8.3	7.0	10.7	11.2	7.7	8.3	9.0	7.4	2.6	.7						543
																		543			543
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	1012329	20167	37.1	22.042	543	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	1646247	29211	53.8	11.750	543		5.3	14.3	2.8	.2		90									
Wet Bulb	905962	21886	40.3	6.631	543		15.2					90									
Dew Point	364360	13042	24.0	9.711	543	1.2	71.9					90									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	=31	Dry Bulb
74/ 73											.3	.3					2	2	
72/ 71											.3	.2					3	3	
70/ 69											.2						1	1	
68/ 67								.6	.2			.2					6	6	
66/ 65						.2	.2	.5	.3	.3							9	9	
64/ 63				.2		.2	.5	.8	.3	.3		.2					15	15	
62/ 61					.3	.2	.6	.2	.5	.5		.2					15	15	
60/ 59				.8	.2	.5	.8	.9	.5	.2	.2						26	26	
58/ 57			.2	.6	.6	.3	.5	.5	.6								21	21	1
56/ 55		.6	.6	.5	2.2	.8	.8	.9	.2								42	42	1
54/ 53		.2	1.1	1.1	.3	.9	.2	.3	.5								29	29	22
52/ 51		1.4	1.4	2.0	.6	.5	.5	.3		.2							44	44	25
50/ 49		2.5	1.9	1.9	.8	.3	.8	.5									55	55	44
48/ 47		1.9	1.4	.6	1.1	.5	.3	.2	.2								39	39	61
46/ 45	.3	2.6	2.2	.8	.9	.8	.6	.2	.2								55	55	62
44/ 43	1.1	1.9	2.6	1.2	.3	.3											48	48	69
42/ 41	1.1	4.2	1.4	.6	.5	.2	.2										52	52	63
40/ 39	1.9	5.0	1.5	.9	.8	.3											67	67	75
38/ 37	.5	2.5	.6	.8	.3												30	30	71
36/ 35	.3	3.4	.3														26	26	44
34/ 33	1.7	3.4	.5														36	36	52
32/ 31	.2	1.7	.3	.2													15	15	30
30/ 29		.9															6	6	13
28/ 27	.3	.2															3	3	10
26/ 25		.2															1	1	2
24/ 23																			1
22/ 21																			
20/ 19																			18
18/ 17																			17
16/ 15																			4
14/ 13																			5
12/ 11																			3
10/ 9																			2
8/ 7																			1
8/ 7																			1

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

YEARS

MAY
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79															.3			3	3																	
78/ 77													.3	.5				5	5																	
76/ 75											.5	.3	.3					7	7																	
74/ 73									.2	.2	.3	.6	.3					8	8																	
72/ 71									1.1	.6	1.1	.5	.2					22	22																	
70/ 69		.2				.2		.5	1.4	.5	1.4	.9						32	32																	
68/ 67			.2	.3	.3	.9	.5	.9	1.4	1.1	.6	.2						41	41																	
66/ 65					.2	.9	.5	.6	.6	.5	.5	.2						25	25	1																
64/ 63				.8	.8	2.0	.8	.8	.8	.5	.5							44	44	1	1															
62/ 61	.2			1.2	1.6	.6	.5	1.9	.5	.6	.5							45	45		1															
60/ 59			.8	1.2	1.4	1.2	1.1	1.1	.5	.3	.3							49	49	3	1															
58/ 57	.2		.9	.9	1.2	.3	.3	.3	.3	.2								34	34	6																
56/ 55	.2	.3	.9	1.1	.9	.5	.9	.5	.6									38	38	21	2															
54/ 53	.2	.2	1.1	1.4	1.1	.2	1.2	.3										36	36	55	2															
52/ 51	.5	.3	1.2	.9	1.2	.8	.6	.6										40	40	64	6															
50/ 49	.3	.9	2.5	1.1	.9	.5	.5	.3										45	45	63	25															
48/ 47	.6	.5	1.6	1.1	.2	.2												26	26	73	20															
46/ 45	.9	.8	1.1	.5	.2	.5												25	25	74	31															
44/ 43	.2	.6	1.2	.3	.3		.5											20	20	59	36															
42/ 41	.5	1.7	.8	.3														21	21	56	60															
40/ 39	.6	2.3	.6	.2														24	24	60	52															
38/ 37	.8	1.9	.3															19	19	45	63															
36/ 35	.6	.8	.3															11	11	26	64															
34/ 33	.3	2.2	.2															17	17	15	60															
32/ 31		.6	.3															6	6	15	50															
30/ 29		.3																2	2	4	32															
28/ 27																				4	34															
26/ 25																					27															
24/ 23																					11															
22/ 21																					15															
20/ 19																					23															
16/ 17																					9															
16/ 15																					8															
14/ 13																					4															
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

749310 USAF ACADEMY AFO CO
 STATION STATION NAME

78-84
 YEARS

MAY
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
12/ 11																								
TOTAL	2.9	13.3	6.0	1.0	10.9	9.6	10.1	6.8	7.8	7.3	4.3	4.8	2.9	1.2	.2						645	645	645	8
																					645	645		
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	2142581	33835	52.5	23.894	645	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	2054580	35700	55.3	11.049	645		1.2	17.0	3.3	.1		93												
Wet Bulb	1339901	29097	45.1	6.509	645		3.3					93												
Dew Point	845515	22631	35.1	8.940	645		31.9					93												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS MAY 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
84/ 83																.5	3	3	
82/ 81															.3		2	2	
80/ 79													.2		.9		7	7	
78/ 77														.5	.5		6	6	
76/ 75									.3	.5	.8	.6	.5	.3			19	19	
74/ 73								.2	.3	.5	1.3	1.7	1.4				34	34	
72/ 71							.2	.2	.3	1.3	.9	1.6					28	28	
70/ 69							.3	.9	.9	1.1	1.1	.9	.3	.2			37	37	
68/ 67						.3	.9	.6	1.1	.5	1.7	.8	.2				39	39	
66/ 65						.6	2.5	1.6	1.4	1.7	.6	1.6	.3				66	66	
64/ 63				.2	.3	1.1	1.4	1.3	.5	.5	.8	.8					43	43	
62/ 61				.6	1.1	1.3	.9	.2	.3	.8	.2						34	34	
60/ 59				.5	.5	.9	.8	.8	.9	.3	.3						32	32	
58/ 57			.3	.5	1.3	.9	1.4	.8	.6	.3							39	39	12
56/ 55		.2	.5	.3	1.1	1.6	1.1	.6	.9	.3							43	43	29
54/ 53		.5	.8	.3	1.3	1.1	.5	.6	.2								33	33	64
52/ 51	.2	.2	.6	.8	.5	.8	.6	.5	.2								27	27	81
50/ 49		.6	.2	.9	.9	.3	.3	.2									22	22	86
48/ 47	.3		1.3	.5	.3	.5	.3	.2									21	21	82
46/ 45		.6	1.4	.8	.3			.2									21	21	64
44/ 43		1.3	.8	.6	.2	.3											20	20	57
42/ 41	.2	1.3	.2	.5	.2												14	14	53
40/ 39	.3	.8	.3														9	9	43
38/ 37	.5	.6	.3														9	9	22
36/ 35	.2	1.4	.8														15	15	16
34/ 33		1.4	.3														11	11	15
32/ 31		.3																	11
30/ 29																	2	2	1
28/ 27																			1
26/ 25																			38
24/ 23																			36
22/ 21																			7
20/ 19																			21
18/ 17																			31
																			8
Element (X)	Σx'	Σx	̄x	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84
YEARS

MAY
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15																					5
14/ 13																					9
12/ 11																					4
TOTAL	1.6	9.1	7.7	5.8	7.4	9.6	11.5	9.4	7.2	6.0	7.5	7.2	4.9	2.5	2.0	.5		636		636	636

Element (X)	$\sum X'$	$\sum X$	\bar{X}	\bar{x}	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1712973	29371	46.2	23.6	636	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2298699	37565	59.1	11.2	636		3	25.6	10.4	1.2		93
Wet Bulb	1403857	29633	46.6	6.0	636		1.8					93
Dew Point	815476	22046	34.7	8.9	636		36.6					93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEAR MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb		Wet Bulb	Dew Point	
84/ 83																.3		2	2			
82/ 81																.5		3	3			
80/ 79												.2	.2	.2	1.0			9	9			
78/ 77													.2	.2				2	2			
76/ 75											.3	.5	.2	.5	.5			12	12			
74/ 73											.3	1.4	.9	1.5				24	24			
72/ 71								.2	.9	.2	.5	.9	.5	.5				21	21			
70/ 69							.3	.9	1.2	1.0	2.1	1.2	.7	.3				45	45			
68/ 67					.2			.9	1.4	1.2	.9	2.1	.7	1.0				48	48			
66/ 65						.2		.7	1.9	1.7	1.2	.9	.3					40	40			
64/ 63							.9	1.5	.9	1.2	.3	.7	.9					37	37			
62/ 61					1.0	2.1	1.2	.5	.3	.5	.3	.2						36	36			
60/ 59				1.2	.7	.7	.7	.5	2.4	.7	.5							43	43	1		
58/ 57			.5	.5	.5	.5	.9	.9	.5	.7								29	29	6		
56/ 55		.2	1.4	1.4	.9	.9	.5	.5	.2	.2								35	35	22		
54/ 53		.9	.7	1.2	2.4	.9	.5	.7										42	42	65		
52/ 51		.5	.3	.7	1.4	.3	.3											21	21	50		
50/ 49		.3	.9	1.0	.3	.3	.7	.2										22	22	84		
48/ 47	.2	.5	1.5	1.2	1.0	.2		.3										29	29	77		
46/ 45		.9	.9	.7	.2													15	15	56		
44/ 43		1.0	.7	.2	.5	.3												16	16	64		
42/ 41	.9	1.0	.7	.2														16	16	48		
40/ 39	.5	.7																7	7	30		
38/ 37	.2	.5	.2	.3														7	7	15		
36/ 35	.2	1.2	1.0															14	14	11		
34/ 33		.5																3	3	12		
32/ 31		.5																3	3	9		
30/ 29																				1		
28/ 27																						
26/ 25																				23		
24/ 23																				26		
22/ 21																				14		
20/ 19																				19		
18/ 17																				19		
Element (X)	Σ x ²		Σ x		Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.								≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point	
16/ 15																						
14/ 13																						
12/ 11																						
TOTAL	1.9	8.8	8.8	8.6	9.1	7.2	8.3	8.8	9.6	5.7	7.7	6.2	3.6	3.3	2.1	.3		581		581		
Element (X)	Σ x ²		Σ x		X		°x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.	1653537		27669		47.62		24.064		581		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb	2087686		34258		59.01		10.804		581			1.5	26.6	8.3	1.4		93					
Wet Bulb	1295035		27231		46.9		5.684		581			1.6					93					
Dew Point	773649		20555		35.4		8.948		581			35.2					93					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 76-84 JUN
 STATION STATION NAME YEARS MONTH
 PAGE 1 0600-0800
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
82/ 81														.2				1			
80/ 79													.3	.3			.5	.2			
78/ 77													.5	.2			.3	.2			7
76/ 75													.3	.5	.6		.5	.2			15
74/ 73												.3	.5	.8	.2	.5	.2	.4			18
72/ 71							.6					.3	.3	.5	1.0	.5	.2				21
70/ 69					.3		1.1	.6	1.1	.2	.2										22
68/ 67				.2	.2	1.0	.8	.6	.5	.5	.3	.2	.2								27
66/ 65			.2		.6	.6	1.1	.5	.5	.5	.5										25
64/ 63		.2	.3	.6	1.6	1.4	.8	.6	.5												33
62/ 61			.3	1.9	1.3	1.7	.8	.6	.2	.2			.2								45
60/ 59		.2	1.3	2.7	1.7	1.0	.8	.2	.5	.2	.2										54
58/ 57		1.1	.6	1.4	1.9	1.4	.2	.2													43
56/ 55	.2	1.1	1.1	3.3	1.4	.6	.8	.3	.2	.2											58
54/ 53		2.2	2.1	2.1	1.0	.6	.5	.2													54
52/ 51	.3	2.2	2.4	1.7	.6	1.0															52
50/ 49	.2	1.6	3.0	.6	.5	.6															41
48/ 47	.3	1.6	1.7	1.0	.8	.5	.2														38
46/ 45	.2	.8	1.9	.2	.2																20
44/ 43	.2	2.2	.3	.3																	19
42/ 41	.5	1.6	.5	.5																	19
40/ 39		.6	.3																		6
38/ 37																					
36/ 35																					11
34/ 33																					3
32/ 31		.2																			1
30/ 29																					
28/ 27																					10
26/ 25																					10
24/ 23																					7
22/ 21																					3
20/ 19																					3
18/ 17																					3
14/ 13																					1
14/ 13																					1
Element (X)	ΣX^2	ΣX	X	\bar{X}	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

JUN
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
90/ 89															.3	.3		4	4	
88/ 87															.3	.3	.3	4	4	
86/ 85															.6	.3	.2	11	11	
84/ 83												.2	1.0	.3	.8	.3		16	16	
82/ 81											.3	1.0	1.0	.6	.6	.3		24	24	
80/ 79							.2	.5	.6	.6	.8	1.1	1.0	1.3				38	38	
78/ 77							.2	.5	1.0	1.8	1.6	.3	1.1	.6				44	44	
76/ 75						.3	.8	1.1	1.3	.6	.5	1.0	.8	.2				41	43	
74/ 73						.2	.5	.5	1.0	1.8	1.6	.5	1.0	.8	.2			38	38	
72/ 71					.2	.2	1.9	1.0	1.6	.5	1.0	.3	.2	.3				44	46	
70/ 69						1.3	1.6	1.1	1.1	1.0	.8		.2					44	44	
68/ 67					.3	1.6	1.9	1.3	.8	1.0	.2		.2					45	45	
66/ 65				.2	.5	1.1	1.0	1.6	1.4	.5	.2	.3						42	42	1
64/ 63				.6	1.9	1.3	.6	1.3	1.0	.2	.2							44	44	11
62/ 61			.5	.6	.8	.5	1.3	.8	.5			.2						32	32	28
60/ 59		.3	.3	.5	1.1	1.4	.3	.8	.5	.2			.2					34	34	78
58/ 57		.3	.5	.6	1.0	.5	.6	.3	.2	.2								26	26	80
56/ 55		.2	.5	1.0	.2	.3	.6	.2	.2									19	19	98
54/ 53		.3	.8	1.0	.5	.6	.2											21	21	67
52/ 51			.6	1.4	.6	.6												17	17	73
50/ 49	.2	.2	1.1	.3	.5	.2												15	15	71
48/ 47	.3	.5	.2	.2														7	7	43
46/ 45		.3	.3															4	4	32
44/ 43		.6	.3															6	6	20
42/ 41		.8																5	5	19
40/ 39																				4
38/ 37																				
36/ 35																				41
34/ 33																				34
32/ 31																				34
30/ 29																				33
28/ 27																				9
26/ 25																				8
24/ 23																				12
																				5
Element (X)	ΣX^1	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																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

78-84
 YEARS

YEARS

JUN
 MONTH

PAGE 2

G900-1100
 HOURS (L. S. S.)

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	
22/ 21																					6	
20/ 19																					5	
16/ 15																					2	
14/ 13																					1	
TOTAL	.5	3.5	5.1	6.4	6.9	9.8	10.9	9.9	10.2	8.0	7.4	5.3	4.8	4.8	4.8	1.3	.5		625	625	625	
																		625		625		

Element (N)	Σx^1	Σx^2	\bar{x}	σ_n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1465927	27561	44.120	0.038	625			51.1	31.8	11.3		90
Dry Bulb	2953034	42622	67.810	0.166	625							90
Wet Bulb	1797053	33347	53.4	5.394	625							90
Dew Point	1154237	26351	42.2	8.324	625		11.7					90

FORM 0-26-5 (OL A) REVISION 10-65 (10-65) EDICIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

JUN
 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
92/ 91																.2	.3	3	3	
90/ 89															.2	.8	1.8	17	17	
88/ 87												.2	.2	.2	.7	.8	.5	14	14	
86/ 85										.2	.2	.2	1.5	1.1	1.0	1.0	.2	38	38	
84/ 83									.2									45	45	
82/ 81									.5	1.1	1.8	1.5	1.0	.8	.5			44	44	
80/ 79									.5	.2	.8	.7	1.3	.3	1.3			31	31	
78/ 77								.2	1.1	1.5	1.3	1.8	.3	.2				39	40	
76/ 75								.3	1.5	2.4	1.5	.5		.3	.2			41	43	
74/ 73							.2	.8	.7	1.3	1.1	.7			.2			30	31	
72/ 71						.7	1.0	.7	1.6	.7	1.3	.2	.3					39	39	
70/ 69					.2	.3	.8	2.0	.5	2.1	.3	.7	.2					43	43	
68/ 67					.3	.3	.5	.8	1.5	1.5	1.1		.2					38	39	
66/ 65				.5	.7	.7	1.1	.7	1.8	1.1	.2							41	41	5
64/ 63				.3	1.0	1.5	.8	1.0	.7	.5		.2						36	36	11
62/ 61				1.0	1.0	1.1	.3	.7			.3							27	27	45
60/ 59			.2	.7	1.0	.7	.5	.2	.2									20	21	81
58/ 57				.7	.5	.2	.3											10	10	93
56/ 55			.2	.3	.7	.5	.3											12	12	101
54/ 53			1.0	.7	.5	.2												14	14	80
52/ 51		.2	.3	.7														7	7	70
50/ 49	.5	.3	.8															10	10	46
48/ 47		.5	.2															4	4	48
46/ 45		.3																2	2	17
44/ 43		.8	.3															7	7	9
42/ 41																				6
40/ 39		.2	.2																	2
38/ 37																		2	2	53
36/ 35																				2
34/ 33																				49
32/ 31																				22
30/ 29																				33
28/ 27																				26
26/ 25																				17
																				11
Element (X)	ΣX^2	ΣX	X	$\% X$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84
 STATION STATION NAME YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																															
24/ 23																																											1									
22/ 21																																													2							
20/ 19																																													4							
18/ 17																																													1							
16/ 15																																														1						
TOTAL	.5	2.3	3.1	4.7	5.7	5.0	5.9	7.2	9.9	11.9	9.3	6.8	5.5	4.9	5.9	6.7	3.7																														614			614		614

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1116422	23312	38.0	19.426	614	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	3266636	44510	71.8	10.729	620			62.0	44.4	26.4		90
Wet Bulb	1840461	33479	54.5	4.944	614							90
Dew Point	1090261	25409	41.4	7.952	614		14.1					90

USAFETAC FORM 41 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74531D USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

YEAR

JUN
 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
96/ 97																	.2	1	1	
96/ 95																	.2	1	1	
94/ 93																	.2	1	1	
92/ 91																	.7	4	4	
90/ 89															.2	1.1	.5	10	10	
88/ 87												.2			.7	.9	1.3	17	17	
86/ 85														1.1	1.5	2.4	.9	32	32	
84/ 83										.4			1.5	1.1	1.5	2.2	.2	37	37	
82/ 81							.4	.2	.2	.9	2.0	1.6	.4	.2				32	32	
80/ 79							.2	1.5	1.1	1.1	1.5	.7	1.5					41	41	
78/ 77							.2	2.0	1.3	1.5	.5	.2						31	31	
76/ 75						.5	.4	.5	1.3	1.8	1.6	.2	.4	.2				38	38	
74/ 73						.2	1.1	1.5	2.2	.5	.7	.7						38	38	
72/ 71						.4	.7	.9	1.8	.9	.2	.2	.5					31	31	
70/ 69						.2	.2	1.6	1.5	1.1	.9	.2	.2					32	32	
68/ 67				.2	.2	.9	.9	.9	2.0	.9	.2							34	35	1
66/ 65				.5	1.5	.5	.9	1.5	1.8	.4	.2							40	41	3
64/ 63			.2	.4	1.8	.5	.5	1.5	.2									28	29	7
62/ 61			.2	.2	.7	1.1	.7	.9	.2									22	22	21
60/ 59				1.1	.7	.5	.5	.4										18	18	79
58/ 57			.4	.2	.4													5	5	94
56/ 55		.2	.5	1.5	.4	.2	.2											16	16	110
54/ 53		.2	.7	.7	.7													13	13	62
52/ 51	.2	.4	.5		.2													7	7	67
50/ 49	.2	.4	.2	.4														6	6	49
48/ 47		.4	.4	.2														5	5	31
46/ 45		.5																3	3	11
44/ 43		.7	.2															5	5	9
42/ 41			.2															1	1	3
40/ 39																				1
38/ 37																				1
36/ 35																				39
34/ 33																				36
32/ 31																				25
																				26
Element (X)	Z ₁	Z ₂	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

JUL
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
84/ 83									.2									2	2		
82/ 81														.2				5	5		
80/ 79								.2					.8	.3	.5			14	14		
78/ 77									.2	.5	1.6	.6	.2	.5				19	19		
76/ 75			.2				.2		.5	.6	1.7	.6	.9					30	30		
74/ 73						.2		.2		.6	1.1	1.7	.6	.3	.3			34	34		
72/ 71					.2	.5	1.3	1.1	1.4	.3	.2	.2						32	32	1	
70/ 69					.5	2.0	2.8	2.4	1.6		.2	.2						61	61		1
68/ 67			.2	.5	.8	2.8	1.1	1.3	.6	.2								47	47		
66/ 65			.6	1.3	1.9	2.0	1.7	.5	.2	.2	.3							55	55		4
64/ 63		.2	1.6	1.3	3.1	1.9	.6	.2		.2								57	57	3	
62/ 61		.8	2.0	1.1	2.5	1.1	.8		.2	.2								55	55	27	2
60/ 59		1.4	2.2	1.7	2.0	.3	.5		.2									53	53	86	12
58/ 57	.2	2.2	3.1	1.9	1.1	.6	.2											59	59	125	25
56/ 55		2.4	3.0	1.6	.9	.8	.6	.2										60	60	126	53
54/ 53	.3	1.9	1.1	.5	.2	.2												26	26	107	76
52/ 51		.8	1.3	.3														15	15	66	79
50/ 49		.9	.5	.2	.3													12	12	38	94
48/ 47			.3															2	2	33	78
46/ 45																				10	69
44/ 43																				2	34
42/ 41																					28
40/ 39																					9
38/ 37																					10
36/ 35																					7
34/ 33																					5
32/ 31																					4
30/ 29																					4
28/ 27																					4
26/ 25																					2
TOTAL	.5	10.5	16.0	10.2	13.5	12.5	9.9	6.9	6.1	4.9	4.4	2.8	1.3	.5	.3			638	638	638	638
Element (X)	Σx ²		Σx		X		x̄		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	2522019		38117		59.7		19.601		638		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	2669043		40981		64.2		7.589		638				35.6	15.2	1.7		93				
Wet Bulb	1934497		35033		54.9		4.120		638				.1				93				
Dew Point	1512578		30804		48.3		6.302		638			2.2					93				

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 JUL
 STATION STATION NAME YEARS 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
94/ 93																	.2	1	1	
92/ 91																	.2	1	1	
90/ 89																	.6	8	8	
88/ 87												.2	.3	.3	.6	1.3	.8	22	22	
86/ 85												.2	.2	.5	1.6	1.1	.9	.5	31	31
84/ 83							.2			.2	.3	1.4	2.2	1.9	1.9	.5	.2	56	56	
82/ 81								.2		.2	.6	2.5	3.6	2.3	1.4	.8	.2	74	74	
80/ 79					.2			.2	.8	1.4	3.7	1.6	1.4	1.1	.2			68	68	
78/ 77								.3	2.7	3.6	2.8	.9	.6	.5				73	73	
76/ 75						.6	2.0	2.3	2.5	.9	.2	.2	.6	.3				58	58	
74/ 73			.2		.2	.2	2.0	2.7	1.6	1.6	.2		.2					55	55	1
72/ 71				.2	1.1	2.0	2.0	1.1	.3		.2	.3						51	51	
70/ 69			.2	.3	1.1	1.9	1.7	1.1	.5		.2							44	44	1
68/ 67			.2	.2	.6	.6	.5	.9	.2									21	21	2
66/ 65			.3	1.1	1.3	.6	.5	.3			.2							26	26	9
64/ 63		.2	.3	.9	.9	.3	.3	.2	.3		.2							23	23	38
62/ 61			.5	.5	.2		.2	.2										9	9	133
60/ 59	.2	.2	.8	.5	.2	.2	.2											13	13	171
58/ 57		.2	.2	.3		.2												5	5	146
56/ 55																				80
54/ 53																				36
52/ 51																				8
50/ 49																				8
48/ 47																				8
46/ 45																				4
44/ 43																				2
42/ 41																				
40/ 39																				
38/ 37																				
36/ 35																				
34/ 33																				
32/ 31																				
30/ 29																				
28/ 27																				
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REPRODUCED BY THIS FORM AIR OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 STATION USAF ACADEMY AFD CO STATION NAME

78-84 YEARS

YEARS

JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31		Dry Bulb	Wet Bulb	Dew Point
26/ 25																					7
24/ 23																					1
22/ 21																					1
TOTAL	.2	.5	2.3	3.9	4.7	5.0	8.9	10.0	9.5	10.3	11.1	8.3	7.8	7.2	4.5	3.3	2.3		639		639
																		639		639	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	1160563	24969	39.1	17.024	639	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb	3726858	48590	76.0	7.087	639			81.9	65.1	33.2	.1	93									
Wet Bulb	2204866	37478	58.7	3.251	639			.6	.1			93									
Dew Point	1440861	29935	46.8	7.769	639	5.4	.1					93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

JUL
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point					
96/ 95																	.6	4	4							
94/ 93																	.5	3	3							
92/ 91																		14	14							
90/ 89														.3	1.3	1.1	3.3	38	38							
88/ 87													.5	1.3	2.0	2.0	1.9	49	49							
86/ 85											.6	1.3	2.7	2.8	2.2	1.4	.3	72	72							
84/ 83									.3	.8	2.4	3.6	1.7	1.6	.5		69	69								
82/ 81								1.1	3.3	4.2	1.9	1.7	.3				80	80								
80/ 79							.8	1.9	2.2	2.5	3.1	1.6	.3	.3			61	81								
78/ 77						.2	1.3	1.4	2.5	2.0	.6	.2	.3				54	54								
76/ 75						.8	.3	2.2	2.4	.5	.2		.2				41	41								
74/ 73					.5	1.3	1.3	.8	.3	.2	.2	.2					29	29								
72/ 71				.3	.8	1.4	1.3	.2	.3	.2		.3					30	30								
70/ 69				.8	1.3	1.4	.2	.3	.2			.3					26	26								
68/ 67		.2	.6	.9	.6	.2	.3	.3	.2								21	21	2							
66/ 65			.5	.9	.2	.2											11	11	20							
64/ 63			.3	.5	.2			.2									7	7	63							
62/ 61		.2	.2	.2	.2												4	4	140							
60/ 59			.2	.2	.2												2	2	178							
58/ 57	.2		.2														2	2	141							
56/ 55	.2																1	1	66							
54/ 53																			12	52						
52/ 51																			11	44						
50/ 49																			2	76						
48/ 47																			3	60						
46/ 45																				71						
44/ 43																				44						
42/ 41																				43						
40/ 39																				37						
38/ 37																				31						
36/ 35																				36						
34/ 33																				12						
32/ 31																				23						
30/ 29																				8						
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.																Mean No. of Hours with Temperature					
Rel. Hum.					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total															
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310, USAF ACADEMY AFD CO 78-84 JUL
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
26/ 27																					12
26/ 25																					2
24/ 23																					2
TOTAL		.3	.3	1.9	3.8	3.6	5.3	5.3	7.2	9.4	10.0	11.9	10.8	8.6	7.7	5.5	8.3	638	638		638
																		638		638	
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	840584	21014	32.9	15.265	638	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	4104869	50981	79.9	6.988	638			89.1	77.8	53.4	1.0	93									
Wet Bulb	2253813	37873	59.4	2.963	638			.3				93									
Dew Point	1364546	29086	45.6	7.778	638		6.9					93									

2
 USAFETAC FORM 34 JUL 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84

YEARS

JUL
 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	
98/ 97																	.2	1	1			
96/ 95																	.2	1	1			
94/ 93																	.7	4	4			
92/ 91																.2	1.9	12	12			
90/ 89															.9	1.9	3.1	34	34			
88/ 87											.2		1.4	1.2	2.1	2.3	41	41				
86/ 85											.5	1.9	3.1	1.4	1.4	.2	49	49				
84/ 83										.2	.3	.9	4.3	1.6	2.1	.7	59	59				
82/ 81										.7	1.9	3.1	1.9	2.6	1.0		65	65				
80/ 79								.2	1.6	1.6	3.0	.9	.7				45	45				
78/ 77								1.7	2.8	2.1	1.0	.2					45	45				
76/ 75							.2	1.7	1.0	3.1	1.2		.5	.5			48	48				
74/ 73						.9	1.7	2.3	.5	.2	.3						34	34				
72/ 71				.2	.3	.7	1.7	.9	.7	.3	.3	.2					31	31				
70/ 69				.2	.7	1.4	1.2	1.7	.3								32	32				
68/ 67				.9	1.0	1.2	.9	.3									25	25	1			
66/ 65			.3	.3	.9	.5	.3										14	14	3			
64/ 63			.3	.5	.2	.2											7	7	22	1		
62/ 61			1.6	.3	.5	.2											15	15	121	1		
60/ 59	.3	.5	.3	.2													8	8	159	6		
58/ 57	.5	.2															4	4	146	14		
56/ 55	.2																1	1	91	38		
54/ 53																			21	47		
52/ 51																			6	44		
50/ 49																			3	53		
48/ 47																				60		
46/ 45																				68		
44/ 43																				55		
42/ 41																				30		
40/ 39																				28		
38/ 37																				26		
36/ 35																				34		
34/ 33																				21		
32/ 31																				26		
Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

745310 USAF ACADEMY AFD CO 78-84 JUL
STATION STATION NAME YEAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point		
30/ 29																				15			
28/ 27																				3			
26/ 25																				5			
TOTAL		1.0	3.0	2.8	3.8	4.2	5.2	6.4	6.3	9.2	7.7	9.2	9.7	9.9	6.6	6.3	8.7	575	575	575			
																		575	575				
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.													Mean No. of Hours with Temperature					
Rel. Hum.	887794	20002	34.8	18.289	575	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	3569443	45067	78.4	8.051	575			85.1	70.8	45.3	1.0	93											
Wet Bulb	1975855	33673	58.6	2.608	575			.2				93											
Dew Point	1196557	25843	44.9	7.815	575		7.9					93											

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEAR

AUG
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb
82/ 81																		2	2	
80/ 79											.2		.2					2	2	
78/ 77										.2	.2	.3						5	5	
76/ 75								.2	.5	.5	1.1	.3						16	16	
74/ 73						.2	.2	1.7	.6	.8	.6							26	26	
72/ 71						.5	.6	1.2	.6		.5	.2						23	23	
70/ 69					.2	1.1	2.0	2.5	1.4	.2	.2							48	48	
68/ 67			.2		.9	1.8	2.0	.6	.5	.2	.2							41	41	
66/ 65		.2	.5	.5	1.4	1.4	.9	.9										37	37	
64/ 63		.2	.9	2.2	2.2	1.4	1.1	.2										52	52	4
62/ 61			2.0	2.2	2.3	1.7	.6	.3		.2								60	60	18
60/ 59	.2	1.2	2.8	2.9	2.0	1.1	.2	.2										68	68	51
58/ 57		2.0	2.6	2.9	.9	.6	.2											60	60	97
56/ 55	.3	4.9	2.5	1.7	1.2	.3	.2											72	72	126
54/ 53	.3	3.4	2.9	1.8	.3	.2												58	58	113
52/ 51	.5	2.0	2.0	.3	.2	.2												33	33	95
50/ 49	.3	1.8	1.5	.2														25	25	63
48/ 47	.2	.9	.5	.2														11	11	49
46/ 45		.5	.5															6	6	16
44/ 43		.8	.2															6	6	14
42/ 41																				5
40/ 39																				5
38/ 37																				16
36/ 35																				9
34/ 33																				8
32/ 31																				5
30/ 29																				2
26/ 27																				1
TOTAL	1.7	17.8	18.9	14.7	11.5	10.3	7.8	7.7	3.7	2.0	2.2	.8	.3					651	651	651
Element (X)	Σx ¹	Σx	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3121509	43423	66.7	18.610	651	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	2445493	39597	60.8	7.546	651			23.3	7.3	.4		93								
Wet Bulb	1881234	34886	53.6	4.252	651							93								
Dew Point	1545286	31532	48.4	5.261	651			.6				93								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEAR

YEAR

AUG
 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
90/ 89													.2			.5	.2	5	5	
88/ 87															.2	.6		5	5	
86/ 85												.2	.5		1.1	.3		13	13	
84/ 83											.2	.3	.8	.5	.5	.2		15	15	
82/ 81											.3	1.1	2.3	4.1	1.4	1.7	1.4	39	39	
80/ 79										.2	1.1	2.3	2.9	3.2	1.2		.8	77	77	
78/ 77							.3	.9	1.4	2.5	4.1	2.0	.5					76	76	
76/ 75							.5	2.0	3.7	2.5	1.2	.3	.3					68	68	
74/ 73					.2	.3	1.2	2.3	1.7	.9	.6							47	47	
72/ 71					.2	1.5	2.5	3.7	1.4	.8	.3							67	67	
70/ 69				.2	.8	2.0	1.4	2.6	.9									51	51	
68/ 67				.5	1.5	2.0	1.5	.3	.5									41	41	2
66/ 65			.2	1.4	2.3	.9	1.1	.5	.2									42	42	5
64/ 63			.5	.9	.9	.9	.5	.2										25	25	34
62/ 61		.2	.8	.6	.6	.3	.8	.2										22	22	92
60/ 59		.3	1.5	1.4	.5	.3												26	26	169
58/ 57	.2	.3	.5	.2	.5	.2	.2											12	12	168
56/ 55		.9	.8	.2														12	12	91
54/ 53		.6																4	4	50
52/ 51		.5																3	3	25
50/ 49	.2																	1	1	14
48/ 47																				1
46/ 45																				
44/ 43																				60
42/ 41																				53
40/ 39																				42
38/ 37																				30
36/ 35																				14
34/ 33																				15
32/ 31																				8
30/ 29																				4
28/ 27																				1
TOTAL	.3	2.8	4.1	5.2	7.4	8.4	9.8	12.7	10.8	9.2	10.4	7.4	5.1	2.6	2.0	1.5	.2	651	651	651
Element (X)	Σx'		Σx		X		s _x		No. Obs.		Mean No. of Hours with Temperature					Total				
Rel. Hum.	1583352		29860		45.9		18.134		651		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb	3456410		47174		72.5		7.646		651				72.0	49.3	17.0		93			
Wet Bulb	2195109		37745		58.0		3.199		651				.3				93			
Dew Point	1544235		31457		48.3		6.102		651			.9					93			

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

78-84
YEARS

YEARS

AUG
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
94/ 93																	.3	2	2		
92/ 91																	.9	7	7		
90/ 89														.2			.8	16	16		
88/ 87													.6	.3	.5	.8	.6	21	21		
86/ 85											.2	.5	.3	.9	1.4	.6	.2	26	26		
84/ 83									.3	1.1	2.8	2.5	1.1	1.8	.2			63	63		
82/ 81							.2	.6	1.1	2.2	2.5	2.9	1.1	.5	.2			72	72		
80/ 79						.2	.9	2.2	2.3	2.6	1.2	.3	.3					66	66		
78/ 77						.6	2.0	3.5	1.8	.3	.5	.2	.3					78	78		
76/ 75						.6	2.0	3.5	1.8	.3	.5	.2	.3					60	60		
74/ 73			.2			.5	.9	1.5	1.2	1.1	.3		.2					38	38		
72/ 71				.3	1.7	2.0	.9	1.2	.5	.2								44	44		
70/ 69			.2	1.1	.6	2.0	1.1	.8	.5	.2								41	41		
68/ 67			.2	.9	1.4	.5	.5	.5										25	25	2	
66/ 65			.6	1.1	1.2	.8	.6		.2									29	29	12	
64/ 63			.2	.8	.6	.2												11	11	60	
62/ 61			1.1	1.2	.8	.2	.2											22	22	128	
60/ 59		.3	1.1	.5	.2													13	13	152	
58/ 57		.3	.5	.2														6	6	150	
56/ 55		.3		.3														4	4	93	
54/ 53		.8																5	5	31	
52/ 51	.2																	1	1	17	
50/ 49																				5	
48/ 47																				63	
46/ 45																				56	
44/ 43																				66	
42/ 41																				46	
40/ 39																				38	
38/ 37																				25	
36/ 35																				24	
34/ 33																				22	
32/ 31																				15	
30/ 29																				10	
28/ 27																				5	
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 78-84 AUG

STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb		Dew Point				
26 / 25																							4		
TOTAL	.2	1.7	3.4	4.5	5.1	5.2	6.8	7.8	11.5	9.4	10.5	10.0	8.8	4.8	4.6	3.1	2.8	650	650	650					
																		650	650						
Element (X)	Z _g ¹	Z _x	R	P _a	No. Obs.													Mean No. of Hours with Temperature							
Rel. Hum.	1285002	26300	40.5	18.448	650													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb	3790989	49369	76.0	7.977	650															60.0	64.2	35.2	.3	93	
Wet Bulb	2257646	38254	58.9	3.118	650															.3					93
Dew Point	1500842	30884	47.5	7.176	650														3.3						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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

78-84
 YEARS

AUG
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93																	.5	3	3		
92/ 91																	.5	3	3		
90/ 89																					
88/ 87																.2	1.4	11	11		
86/ 85														.4	.7	.5	1.2	16	16		
84/ 83											.2	.7	.7	.5	.9	.7		21	21		
82/ 81											.2	.5	1.9	.9	.7	.5		27	27		
80/ 79											.2	.7	1.8	1.9	3.2	1.6	1.9	56	56		
78/ 77											.2	.7	1.8	1.9	3.2	1.6	1.1	60	60		
76/ 75											.2	.5	1.1	3.2	3.9	1.6	.4	59	59		
74/ 73											.2	.5	1.1	3.2	3.9	1.6	.4	64	64		
72/ 71											.2	.5	1.1	3.2	3.9	1.6	.4	55	55		
70/ 69											.2	.5	1.1	3.2	3.9	1.6	.4	39	39		
68/ 67											.2	.5	1.1	3.2	3.9	1.6	.4	37	37		
66/ 65											.2	.5	1.1	3.2	3.9	1.6	.4	26	26		
64/ 63											.2	.5	1.1	3.2	3.9	1.6	.4	21	21	6	
62/ 61											.2	.5	1.1	3.2	3.9	1.6	.4	18	18	42	
60/ 59											.2	.5	1.1	3.2	3.9	1.6	.4	12	12	77	
58/ 57											.2	.5	1.1	3.2	3.9	1.6	.4	24	24	139	
56/ 55											.2	.5	1.1	3.2	3.9	1.6	.4	10	10	158	
54/ 53											.2	.5	1.1	3.2	3.9	1.6	.4	5	5	88	
52/ 51											.2	.5	1.1	3.2	3.9	1.6	.4	3	3	47	
50/ 49											.2	.5	1.1	3.2	3.9	1.6	.4	1	1	12	
48/ 47											.2	.5	1.1	3.2	3.9	1.6	.4			2	
46/ 45											.2	.5	1.1	3.2	3.9	1.6	.4				
44/ 43											.2	.5	1.1	3.2	3.9	1.6	.4				
42/ 41											.2	.5	1.1	3.2	3.9	1.6	.4				
40/ 39											.2	.5	1.1	3.2	3.9	1.6	.4				
38/ 37											.2	.5	1.1	3.2	3.9	1.6	.4				
36/ 35											.2	.5	1.1	3.2	3.9	1.6	.4				
34/ 33											.2	.5	1.1	3.2	3.9	1.6	.4				
32/ 31											.2	.5	1.1	3.2	3.9	1.6	.4				
30/ 29											.2	.5	1.1	3.2	3.9	1.6	.4				
28/ 27											.2	.5	1.1	3.2	3.9	1.6	.4				
Element (X)	Σx^2	Σx	\bar{x}	s_n	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

745310 STATION USAF ACADEMY AFD CO STATION NAME 78-84 YEARS AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
26/ 25																					2		
TOTAL		2.8	4.4	3.3	7.7	6.3	6.7	6.8	10.2	11.6	9.6	8.4	7.7	5.1	3.2	2.6	3.7		571		571		
																		571		571			

Element (X)	Σ X ¹	Σ X	X̄	σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	1227819	23981	42.0	9.675	571			77.7	61.1	28.0	.5	93
Dry Bulb	3223805	42659	74.7	8.033	571							93
Wet Bulb	1944339	33277	58.3	2.964	571							93
Dew Point	1302152	26942	47.2	7.366	571		4.1					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

YEARS

SEP
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point			
82/ 81															.2					1	1			
73/ 77															.2					2	2			
76/ 75																				1	1			
74/ 73													.2		.2	.5	.5	.2		9	9			
72/ 71											.2	.2	.2	.5	.2	.5			10	10				
70/ 69											.5	.6	1.0	.8	.3	.2			21	21				
68/ 67								.2	.2	.5	.3	.5	.5	.5	.2				14	14				
66/ 65						.3	.5	.3	.8	2.2	.6	.2							31	31				
64/ 63							1.3	.8	1.7	1.4	.2								34	34				
62/ 61			.2	.6	.5	1.3	1.6	.6	.6	.2	.2								36	36	2			
60/ 59			.5	.5	1.0	1.3	1.1	1.7	.8	.3	.2								46	46	1			
58/ 57		.2	.5	1.1	.8	.5	1.1	1.3											34	34	7			
56/ 55		.6	.6	1.7	1.6	1.3	1.1	.2	.3	.2									48	48	28	1		
54/ 53	.3	1.1	1.7	1.1	.8	1.0	.8	.5	.2										47	47	41	14		
52/ 51		.8	2.2	1.4	1.6	1.6	.6	.3	.2										55	55	60	15		
50/ 49		2.9	2.1	1.3	1.0	1.3		.2	.2										55	55	89	19		
48/ 47		1.4	2.5	1.3	1.3	.3		.2											44	44	79	43		
46/ 45	1.0	1.7	2.2	.2	1.1	.2	.2												41	41	82	58		
44/ 43	.2	1.4	1.9	.5	.5	.2													29	29	62	47		
42/ 41	.3	1.0	.6	1.3	.2	.2	.2												23	23	60	57		
40/ 39		.8	.6	.5		.3													14	14	36	67		
38/ 37	.2	.8	.5	.3															11	11	26	49		
36/ 35		.3	.6			.2													7	7	22	60		
34/ 33		.3	.2	.2	.2														5	5	11	50		
32/ 31		.2	.3	.2															4	4	6	48		
30/ 29			.5	.2															4	4	5	32		
28/ 27		.2	.2																2	2	4	20		
26/ 25																					5	8		
24/ 23																					2	4		
22/ 21			.2																1	1		6		
20/ 19																					1	15		
18/ 17																						6		
16/ 15																						3		
14/ 13																						5		
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.														Mean No. of Hours with Temperature					
Rel. Hum.					$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total													
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

YEARS

SEP
MONTH

PAGE 2

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	
12/ 11																					2	
TOTAL	1.9	13.7	18.1	12.2	10.7	11.3	8.1	8.7	7.0	3.7	2.5	1.4	.5	.2					629		629	
																		629		629		
Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	2481874	37218	59.2	21.103	629	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	1876169	33821	53.8	9.580	629		1.6	8.3	1.9	.1		90										
Wet Bulb	1335356	28696	45.6	6.459	629		3.3					90										
Dew Point	949132	23864	37.9	8.346	629		21.3					90										

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

77-83

YEAR

SEP
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
88/ 87														.2				1	1	
86/ 85													.2	.2	.5	.3		7	7	
84/ 83												.2	.2	.3	1.0	.3		12	12	
82/ 81												.2	.6	1.6	.8	.2		21	21	
80/ 79										.2	.2	.6	1.0	1.6	.5	.2		26	26	
78/ 77										.2	.8	1.8	1.8	1.3	.3			38	38	
76/ 75								.3	.3	.6	.8	1.3	1.9	1.6	.2			44	44	
74/ 73							.2	.2	.3	2.1	1.6	3.0	3.5	.3				70	70	
72/ 71						.2	.2	.6	1.6	1.1	1.8	1.6	1.1	.2				52	52	
70/ 69						.5	1.4	1.8	1.6	1.6	2.1	.6	.5					63	63	
68/ 67					.2	.3	.3	1.6	1.0	1.4	1.0	.2	.2					37	37	
66/ 65				.2	.5	.3	.8	.6	.3	1.3	.6	.3						31	31	
64/ 63				.2	.6	1.3	.8	.5	.3	1.0	.6							33	33	
62/ 61				.5	1.1	1.3	1.0	.3	.3	.6	.2	.2						34	34	10
60/ 59		.3	.2	.5	.5	1.6	1.3	.5	.5	.5	.5							37	37	21
58/ 57		.6	.3	.6	.5	.5	.5	.2	.3	.2								18	18	46
56/ 55		.6	.2	1.4	.6	.8	.6	.3	.3									31	31	96
54/ 53		.6	.5	.5	.6		.2		.2									16	16	100
52/ 51		.3	.3	.3		.3		.3										10	10	105
50/ 49	.2	.2	.5	.3		.3	.2	.3										12	12	98
48/ 47	.3	.5	1.0															11	11	42
46/ 45	.3	.3	1.3	.5	.3		.2											18	18	41
44/ 43																				28
42/ 41																				19
40/ 39			.3		.2													3	3	7
38/ 37			.2															1	1	4
36/ 35				.2														1	1	6
34/ 33																				2
32/ 31			.2															1	1	1
30/ 29																				1
28/ 27																				1
26/ 25																				1
24/ 23																				
22/ 21																				
Element (X)	Σ X'	Σ X	X	C _n	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 77-83 SEP
 STATION STATION NAME YEARS MONTH
 PAGE 2 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	=81	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
20/ 19																					10	
18/ 17																					8	
16/ 15																					3	
14/ 13																					5	
12/ 11																					1	
TOTAL	.8	2.2	4.6	4.6	4.9	8.0	7.3	7.0	7.2	11.1	10.0	9.9	10.8	7.2	3.2	1.0			628		628	
																	628		628			

Element (X)	$\sum X^1$	$\sum X$	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1152979	23819	37.9	19.951	628							
Dry Bulb	2895275	42179	67.2	9.973	628		.1	53.2	31.4	7.5		90
Wet Bulb	1657999	32099	51.1	5.256	628		.4					90
Dew Point	925643	23473	37.4	8.775	628		27.2					90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

SEP
 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
92/ 91																.2	.2	2	2		
90/ 89																.2		1	1		
88/ 87														.2	.2	.2	.5	6	6		
86/ 85													.3	.2	1.3	2.1	.3	26	26		
84/ 83												.2	.8	1.2	1.7	1.3		31	31		
82/ 81												.2	1.7	2.0	2.0	.2		36	36		
80/ 79									.3	1.3	1.2	1.0	1.5	1.7	.2		43	43			
78/ 77								.3	.8	.8	1.8	1.3	3.6	2.1			66	66			
76/ 75						.2	.2	.7	1.3	1.5	1.2	2.6	1.8	.3			59	59			
74/ 73						.3		.8	1.0	2.0	2.3	2.3	.5				56	56			
72/ 71						.2	.2	.5	1.5	1.8	1.3	1.2	.8	.2			46	46			
70/ 69						.2	.5	1.3	1.8	1.5	1.8	1.3	.2	.2			53	53			
68/ 67					.3	.5	.7	.3	.8	.7	.5	.7	.3				29	29			
66/ 65					.7	1.0	1.5	.8	.3	.2	1.0	.2					34	34			
64/ 63				.3	.3	1.0	.9	.5	.3	.2	.5	.3					24	24	2		
62/ 61				.2	.5	.3	.7				.5						13	13	17		
60/ 59			.2	.5	.7	.3	.5	.3	.2								16	16	36		
58/ 57			.3	.2	.3	.7		.2	.3								12	12	73		
56/ 55			.2	.3	.8	.2	.3	.2	.3								14	14	116	9	
54/ 53		.2	.5	.3	.3		.2		.3								11	11	94	6	
52/ 51	.2	.2	.7		.2												7	7	101	9	
50/ 49	.5	.2				.2											5	5	71	31	
48/ 47			.3			.2											3	3	39	39	
46/ 45	.5	.5	.2		.2												8	8	20	54	
44/ 43			.2														1	1	21	34	
42/ 41			.2	.2													2	2	1	48	
40/ 39			.3														2	2	7	50	
38/ 37																			4	36	
36/ 35																			4	43	
34/ 33																				30	
32/ 31																				80	
30/ 29																				36	
28/ 27																				29	
26/ 25																				21	
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																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

SEP
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
24/ 23																					9
22/ 21																					19
20/ 19																					7
18/ 17																					6
16/ 15																					5
14/ 13																					3
TOTAL	1.2	.8	2.6	2.3	4.0	4.1	6.4	4.1	7.3	8.4	11.2	10.4	11.4	11.2	9.4	4.1	1.0	606	606	606	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	838085	19563	32.3	18.477	606	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3171391	43455	71.7	9.563	606			67.4	48.4	18.0		90
Wet Bulb	1702229	31987	52.8	4.782	606							90
Dew Point	879170	22446	37.0	8.887	606		31.9					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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

SEP
 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
90/ 89																.2	.2	2	2		
88/ 87																.4	.5	5	5		
86/ 85													.2		1.2	1.4		16	16		
84/ 83											.2	1.1	1.1	1.9	1.2			31	31		
82/ 81									.2	.2		.7	1.6	2.1	.4			29	29		
80/ 79										.9	.9	.9	3.4	1.8	.4			46	46		
78/ 77											1.1	1.1	2.1	2.5	1.2			45	45		
76/ 75								.4	.5	1.9	2.1	2.5	1.9	.2				54	54		
74/ 73						.2	.2	.7	2.1	1.2	1.4	2.5	.2					48	48		
72/ 71					.4	.2	.4	1.2	1.6	1.6	2.3	.7	.4					49	49		
70/ 69						.4	.5	2.3	1.2	.9	1.8	1.4	.4	.2				51	51		
68/ 67				.4		.7	1.1	1.8	1.9	1.2	.5	.4						45	45		
66/ 65				.4	.2	1.4	1.1	1.2		.5	.4	.7						33	33		
64/ 63				.7	1.4	1.6	1.4			.2	.2							31	31	1	
62/ 61			.2	.5	1.2	.4	.2	.5			.2							18	18	12	
60/ 59			.4	.5	.5	.7		.5										15	15	19	
58/ 57					.2	.2	.2	.4										4	4	59	3
56/ 55				.4	.7	.2	.5	.2										11	11	120	4
54/ 53			.5	.5	.4	.5	.2											12	12	113	3
52/ 51		.5	.2	.7	.2		.2											10	10	88	10
50/ 49	.5		.4	.2			.2											7	7	79	32
48/ 47							.2											1	1	31	25
46/ 45							.2													14	40
44/ 43				.5														3	3	16	49
42/ 41																				2	40
40/ 39																				6	40
38/ 37																				5	45
36/ 35																				1	38
34/ 33																					45
32/ 31																					71
30/ 29																					26
28/ 27																					21
26/ 25																					28
24/ 23																					9
Element (X)	Σ X'	Σ X	X	σ _a	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

77-83
 YEARS

YEARS

OCT
 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	
68/ 67																	.2	1	1			
66/ 65									.3	.2								3	3			
64/ 63										.8	.2							6	6			
62/ 61								.3	.5									5	5			
60/ 59									.3	.8	.5						.2	11	11			
58/ 57						.2	.3	.9	.3	.3								13	13			
56/ 55						.2	1.2	1.1	.9	.3								24	24			
54/ 53			.3	.2	.5	1.9	.9	.8		.2								30	30			
52/ 51			.2	.2	.2	.8	1.1	1.2	.6									26	26			
50/ 49		.2	.2	.3	2.6	.9	1.1	.3										36	36	2		
48/ 47	.2	.5	.3	.9	1.2	1.9	1.1											39	39	7		
46/ 45	.9	1.1	1.4	.8	1.1	1.1	.3	.2										44	44	21		
44/ 43	1.1	1.4	1.1	1.2	.8	.6	.2	.2										42	42	35	4	
42/ 41	.3	1.2	1.5	1.1	1.1	1.7	.9											51	51	58	13	
40/ 39	.9	1.1	1.5	1.5	2.0	1.2	.5											57	57	80	22	
38/ 37	1.1	2.8	1.4	1.5	.6	.2												49	49	67	19	
36/ 35	.9	.8	2.3	2.6	.8	.2												49	49	60	28	
34/ 33	.8	1.7	1.2	1.9	.3	.2												39	39	63	39	
32/ 31		2.2	2.2	2.5	.3													46	46	62	57	
30/ 29		2.3	1.5	.3	.2													28	28	62	58	
28/ 27		.8	1.7	.2														17	17	50	48	
26/ 25	.3	1.1	.6	.3														15	15	37	46	
24/ 23		.3	.2	.2														4	4	23	25	
22/ 21		.9	.3															8	8	6	60	
20/ 19		.3																2	2	9	93	
18/ 17		.2																1	1	3	42	
16/ 15		.2																1	1	1	45	
14/ 13		.2																1	1	1	15	
12/ 11																				1	16	
10/ 9																					4	
8/ 7																					3	
6/ 5																					1	
4/ 3																					3	
2/ 1																					4	
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	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

OCT
 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	Dew Point																
80/ 79																												.2			1	1				
78/ 77																																4	4			
76/ 75																										.2	.3	.2				2	2			
74/ 73																									.6	1.1	.2				12	12				
72/ 71																																22	22			
70/ 69																																28	28			
68/ 67																																	36	36		
66/ 65																																	46	46		
64/ 63																																	47	47		
62/ 61																																	44	44		
60/ 59																																	44	44		
58/ 57																																	39	39		
56/ 55																																	42	42		
54/ 53																																	25	25	2	
52/ 51																																	36	36	8	
50/ 49																																	26	26	34	
48/ 47																																	25	25	73	
46/ 45																																	31	31	99	
44/ 43																																	26	26	86	
42/ 41																																	35	35	108	
40/ 39																																	13	13	61	
38/ 37																																	12	12	39	
36/ 35																																	21	21	39	
34/ 33																																	8	8	32	
32/ 32																																	14	14	34	
30/ 29																																	3	3	14	
28/ 27																																	1	1	6	
26/ 25																																	3	3	8	
24/ 23																																		2	2	28
22/ 21																																	1	1	57	
20/ 19																																				85
18/ 17																																			48	
16/ 15																																			38	
14/ 13																																			15	
Element (X)	ΣX^2	ΣX	X	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83

YEARS

OCT
 MONTH

PAGE 2

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														
12/ 11																																			
10/ 9																					12														
8/ 7																					6														
6/ 5																					4														
4/ 3																					1														
2/ 1																					2														
-2/ -3																					2														
TOTAL	1.5	4.3	7.0	6.7	4.8	9.1	9.4	8.2	8.7	10.2	10.4	9.1	6.5	3.3	.5	.3		646	646	646															

Element (X)	$\sum x^1$	$\sum x$	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1223839	24249	37.5	22.050	646	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2036619	35521	55.0	11.375	646		3.0	15.1	2.7			93
Wet Bulb	1121341	26653	41.3	5.797	646		9.4					93
Dew Point	461268	16440	25.4	8.154	646	.1	75.6					93

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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

OCT
 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
82/ 81															.3	.2	.2	4	4		
80/ 79															.3	.2		3	3		
78/ 77															.7	.7	.3	10	11		
76/ 75											.2	.7	1.0		.7		20	20			
74/ 73										.2	.2	1.3	2.9	1.3			36	36			
72/ 71								.2		.5	.8	2.8	2.0				38	38			
70/ 69								.2	.2	1.3	2.0	2.0	.7				38	38			
68/ 67							.2	.3	2.3	1.8	2.6	2.3					58	58			
66/ 65							.5	.3	.8	3.6	3.4	.2					54	54			
64/ 63						.2	.7	.8	2.0	2.1	1.1	.2					43	43			
62/ 61						.2	.7	.7	.8	1.8	1.1	.7					36	36			
60/ 59						.7	1.0	1.6	1.8	1.6							41	41			
58/ 57				.3	.2	.5	.5	.8	1.3	1.5	.2						30	30			
56/ 55				.3	.2	.7	1.3	1.1	.7	.5							29	29	2		
54/ 53				.5	.5	.3	1.3	.7	.3	.5							25	25	6		
52/ 51			.2	.2	2.0	.2	.5	.8	.7								27	27	29		
50/ 49			.7	.2	.2	.5	.2	1.0	.5								19	19	80		
48/ 47			.3	.3	.3	1.3	1.0	.5									21	21	100		
46/ 45			.2	.3	.3	.8	1.6	.5									21	21	100	6	
44/ 43			.2	.3	.3	.3											5	5	86	3	
42/ 41	.5		.2	.5	.2												8	8	61	19	
40/ 39			.3	.5	.2	.7											10	10	30	11	
38/ 37			.3	.2	.5												4	6	19	12	
36/ 35	.5	.5	.5	.3													11	11	41	25	
34/ 33		1.1	.2	.2													9	9	24	33	
32/ 31	.2		.3	.3	.2												6	6	16	62	
30/ 29																			9	45	
28/ 27		.2															1	1	2	39	
26/ 25		.3															2	2	5	50	
24/ 23																			1	30	
22/ 21																				66	
20/ 19																				74	
18/ 17																				48	
16/ 15																				45	
Element (X)	Σx ¹	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≈ 47 F	≈ 73 F	≈ 80 F	≈ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

77-83
 YEARS

YEARS

OCT
 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
82/ 81																	.2	2	2	
80/ 79																.2	.2	2	2	
78/ 77																		2	2	
76/ 75														.3				2	2	
74/ 73													.7	.7	1.0			14	14	
72/ 71												.2	1.4	1.2	.5			19	19	
70/ 69												.9	2.2	2.2				31	31	
68/ 67								.3				1.0	2.2	2.4	.5			38	38	
66/ 65								.7	1.2			1.7	2.8	1.5				46	46	
64/ 63							.5	.7	.7	1.5	2.2	3.4	.7					57	57	
62/ 61							.3	.5	1.5	.9	2.2	1.4	.3					42	42	
60/ 59					.3	.3	.9	1.2	2.1	1.5	2.2	.3						43	43	
58/ 57					.3	.3	.9	1.4	2.2	1.4	1.5	.2						48	48	
56/ 55					.2	.7	1.0	1.2	1.0	2.2								37	37	
54/ 53				.2	.3	.5	1.0	.5	.9	.5								38	38	2
52/ 51			.2	.5	1.0	.7	.5	1.0	.5	.2								20	20	5
50/ 49		.3	.7	.5	1.0	.2	1.0	.3										27	27	28
48/ 47		.2	.3	1.2	.3	1.2	.3	.3										24	24	58
46/ 45		.2	.2	.7	1.0	.2												23	23	93
44/ 43		.2	.5	.3	.5	.3	.2											13	13	93
42/ 41					.5													12	12	84
40/ 39				.3	.3													3	3	73
38/ 37		.2	.2	.3														4	4	39
36/ 35	.5	.2	.5	.2	.2													4	4	20
34/ 33		.5	.3	.2														9	9	28
32/ 31	.5	.9	.2	.3														6	6	16
30/ 29		.3																11	11	21
28/ 27		.5																2	2	10
26/ 25			.2															3	3	5
24/ 23																		1	1	5
22/ 21																				
20/ 19																				1
18/ 17																				53
16/ 15																				81
																				37
																				32
Element (X)	Σ X'	Σ X	X	X'	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

77-83
 YEAR

YEAR

OCT
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		n 31	Dry Bulb	Wet Bulb	Dew Point
14/ 13																					25
12/ 11																					5
10/ 9																					4
8/ 7																					5
6/ 5																					3
4/ 3																					1
2/ 1																					2
0/ -1																					1
TOTAL	1.0	2.6	2.4	2.6	4.6	6.0	9.6	10.3	11.5	10.2	11.2	11.4	9.3	5.0	1.7	.3	.2	581	581	581	581

USAFETAC FORM 84 JUL 64 O-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx'	Σx	R	P _s	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 50 F	50-55 F	55-60 F	60-65 F	65-70 F		
Rel. Hum.	770438	18340	31.6	18.171	581							
Dry Bulb	2100478	34372	59.2	10.750	581	2.7	24.7	6.2	.3			93
Wet Bulb	1104890	25112	43.2	5.798	581	6.7						93
Dew Point	416592	14782	25.4	8.357	581	.2	74.1					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
STATION STATION NAME

77-83
YEARS

NOV
MONTH
PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
-4/ -5																					1
-6/ -7																					2
-8/ -9																					4
-12/ -13																					1
-14/ -15																					1
-18/ -19																					1
TOTAL	4.4	27.6	23.6	11.8	7.6	8.0	6.2	5.6	3.1	1.1	.5	.4					550	550	550	550	
Element (X)	Z _{x'}	Z _x	X	e _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2121609	32087	58.3	21.3	550	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	644025	17745	32.3	11.4	550		49.6					90									
Wet Bulb	428048	14696	26.7	8.0	550		65.9					90									
Dew Point	202979	9425	17.1	8.6	550	3.1	89.0					90									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

NOV
 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	Dew Point
74/ 73														.2				1	1		
72/ 71													.2	.2	.2			3	3		
70/ 69												.2	.5	.2				5	5		
68/ 67												.3	.2	.7				7	7		
66/ 65												.2	.3	.2				4	4		
64/ 63									.3	.5	1.0	1.0						17	17		
62/ 61									.5	.3	.5	.2						9	9		
60/ 59							.2	.5	1.0	1.5	.5	.3						24	24		
58/ 57							.3	.8	1.0	.5	.8							21	21		
56/ 55							.3	1.7	1.2	1.0	.5							28	28		
54/ 53						.5	.7	1.5	1.8	1.2	.3							36	36		
52/ 51						.8	.8	1.8	1.0	.8								32	32		
50/ 49					.7	1.3	1.0	2.2	1.2	.5								41	41		1
48/ 47					1.2	1.0	1.3		.7									25	25		11
46/ 45			.2		1.0	1.0	.3	1.0	.3									23	23		24
44/ 43			.5		1.0	.8	1.7	1.0										30	30		31
42/ 41			.2	.2	.5	1.0	1.2	.3										20	20		49
40/ 39			.8	.8	.8	1.8	.5											29	29		44
38/ 37			.8	.5	1.7	1.3												26	26		55
36/ 35		.2	1.0	1.8	1.3	.5	.2											30	30		57
34/ 33		1.2	.5	2.7	1.2													33	33		37
32/ 31	.3	1.0	2.4	2.0	.5	.2												38	38		57
30/ 29	.5	.8	1.3	.7	.3													22	22		52
28/ 27	.2	1.2	.8	.2	.3													16	16		57
26/ 25	.5	1.5	1.3	.5	.3													25	25		32
24/ 23		1.3	.5	.2														12	12		25
22/ 21	.7	2.0	.3	.3														20	20		32
20/ 19		.8	.2	.3														8	8		12
18/ 17		.3	.5															5	5		6
16/ 15		.2		.3														3	3		3
14/ 13																					6
12/ 11			.3															2	2		2
10/ 9																					2
8/ 7																					2
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

NOV
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
6/ 5																					7
4/ 3																					8
2/ 1																					16
0/ -1																					6
-2/ -3																					1
-4/ -5																					4
-8/ -9																					2
-14/-15																					1
TOTAL	2.2	10.6	11.3	11.1	10.9	10.4	8.6	10.9	9.1	6.4	4.2	2.4	1.5	.5			595	595	595	595	
Element (X)	Σx'	Σx	X	%	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	1434647	26153	44.0	21.908	595	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	1183497	25401	42.7	12.917	595		22.8	2.4	.2			90									
Wet Bulb	681400	19588	32.9	7.844	595		43.3					90									
Dew Point	253661	11235	18.9	8.360	595	2.1	87.6					90									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

NOV
 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
76/ 75																		3	3		
74/ 73													.3	1.2				9	9		
72/ 71													.5	.3				5	5		
70/ 69												.2	.9					6	6		
68/ 67												.9	.2	1.6				15	15		
66/ 65											.9	1.0	1.0	.2				21	21		
64/ 63									.3	.7	1.2	.5						16	16		
62/ 61						.2	.7	.3	1.6	1.4	1.0							30	30		
60/ 59							.2	1.0	1.4	2.3	.2							29	29		
58/ 57							.7	.7	1.2	.9	.3							22	22		
56/ 55						.3	1.9	1.4	2.1	1.2								40	40		
54/ 53						.5	1.4	1.2	1.0	.5								27	27		
52/ 51					.2	.3	.9	1.7	.7	.9								27	27		
50/ 49					.5	1.4	1.7	1.4	1.2	.2								37	37	7	
48/ 47					.7	.7	.3	.9	.7									19	19	31	
46/ 45					.3	.2	1.7	1.2										20	20	30	
44/ 43					.7	1.2	2.6	1.2										33	33	40	
42/ 41				.2	1.2	1.2	1.2	.3										24	24	45	
40/ 39				.9	1.6	1.0	.9											25	25	64	
38/ 37			.5	1.0	3.0	1.0												32	32	47	
36/ 35		.3	.9	.9	.7	.5	.5											22	22	41	
34/ 33		.7	.2	.9	.5	.2												14	14	60	
32/ 31		1.0	1.4	1.4	.7	.7												30	30	51	
30/ 29	.2	1.0	.5	.2	.2													12	12	46	
28/ 27	.3	1.0	.3	.7	.5													17	17	32	
26/ 25	.5	.5	1.9	.5	.2													21	21	27	
24/ 23		.3	.2	.2														4	4	18	
22/ 21	.2	1.2		.2														9	9	23	
20/ 19		.2	.2	.3														4	4	5	
18/ 17																				3	
16/ 15																				3	
14/ 13																					
12/ 11																					
10/ 9																					
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 44 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM AND CHANGE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

NOV
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
8/ 7																					17		
6/ 5																					11		
4/ 3																					15		
2/ 1																					15		
0/ -1																					2		
TOTAL	1.2	6.5	6.1	7.3	11.0	8.6	11.0	11.7	7.7	9.9	9.9	3.5	3.5	2.1				573	573	573	573		
																		573		573			

Element (X)	ΣX ¹	ΣX	X	σ _x	No. Obs.	Mean No. of Hours with Temperature										
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Rel. Hum.	1025219	21227	37.0	20.435	573											
Dry Bulb	1385470	27150	47.4	13.159	573		15.2	6.0	1.9							90
Wet Bulb	744323	20197	35.2	7.529	573		32.7									90
Dew Point	235818	10744	18.8	7.751	573	.3	88.3									90

USAFETAC FORM 8-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

NOV
 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																
76/ 75																										.2							1	1		
74/ 73																											.2						1	1		
72/ 71																										.8							7	7		
70/ 69																									.2	.6							4	4		
68/ 67																										.2							1	1		
66/ 65																									.6	.6	1.6	.2						15	15	
64/ 63																								.2	.2	1.8	1.2	1.2						23	23	
62/ 61																								.2	.6	1.0	1.0							14	14	
60/ 59																								.6	.4	.6	1.8	.4						19	19	
58/ 57																								.4	.8	1.6	1.8	.8						27	27	
56/ 55																								.4	.8	1.2	2.7							25	25	
54/ 53																								.2	.2	.6	.8	.8						13	13	
52/ 51																								.4	.4	1.0	3.1	1.6						32	32	
50/ 49																								.2	1.8	.8	.8	1.2						24	24	4
48/ 47																								.4	.2	2.3	1.6							22	22	12
46/ 45																								.8	.8	1.6	1.6							24	24	30
44/ 43																								.6	1.0	1.6	2.1	.2						27	27	37
42/ 41																								.6	1.0	1.8	1.4							24	24	28
40/ 39																								.2	.6	2.7	2.1	.6						30	30	49
38/ 37																								.2	.6	.8	2.9	.4						24	24	41
36/ 35																								.2	1.8	1.8	.2							20	20	45
34/ 33																								.4	.2	1.0	1.6	.2						17	17	38
32/ 31																								.6	.6	2.3	.8	.4						23	23	56
30/ 29																								.8	1.0	.6	.2							13	13	38
28/ 27																								.8	1.0	.6	.4	.4						16	16	30
26/ 25																								.4	1.4	.6	.6	.2						16	16	25
24/ 23																								.2	.6	.4	.4							8	8	19
22/ 21																								.2	1.0	.6	.2							10	10	17
20/ 19																								.4	.2	.4								5	5	11
18/ 17																								.2	.2									1	1	3
16/ 15																																				
14/ 13																									.2											
12/ 11																																				
10/ 9																																				
Element (X)	Σ X ²		Σ X		X		X ²		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 77-83 NOV

STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
8/ 7																					15
6/ 5																					5
4/ 3																					6
2/ 1																					4
0/ -1																					3
TOTAL	1.6	6.6	5.7	10.9	14.4	10.1	10.9	10.7	7.8	9.4	5.5	3.5	1.8	1.0				487		487	
																		487		487	

Element (X)	ΣX ¹	ΣX	X̄	C _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	962253	19445	39.9	19.555	487							
Dry Bulb	1080608	22072	45.3	12.850	487		17.2	2.6	.4			90
Wet Bulb	601684	16716	34.3	7.579	487		37.5					90
Dew Point	206090	9398	19.3	7.133	487	.6	87.8					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

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEAR

YEAR

DEC
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31		Dry Bulb	Wet Bulb	Dew Point
56/ 55							.2			.2								2	2		
54/ 53								.4	.4	.2								5	5		
52/ 51								.4	.4	.4								6	6		
50/ 49							.2	.4	.2	.2								5	5		
48/ 47						.2	.2	.8	.8	.2								11	11		
46/ 45					.4	.8	1.2	1.2	.4									20	20		
44/ 43					.6	.4	1.2	.6	.2									15	15	1	
42/ 41			.2			2.0	1.0	.2										17	17		
40/ 39			.6	.6	.8	1.6	1.2											24	24		
38/ 37		.2		.8	2.3	1.4	.4											25	25	12	
36/ 35	.2		.4	1.2	1.2	1.2	.2											22	22	20	
34/ 33			1.0	1.2	1.6	.8												23	23	30	
32/ 31	.2	1.6	1.4	3.9	1.4	.6												45	45	42	
30/ 29	.6	2.0	1.8	1.6		.2												31	31	41	
28/ 27	.6	.4	2.0	1.8	.2													25	25	51	
26/ 25	1.2	2.7	1.4	1.2	.6													35	35	48	
24/ 23	.4	.4	1.2	.4	.4													14	14	47	
22/ 21	.6	2.5	1.2	2.0	.2													32	32	31	
20/ 19	1.4	3.3	.6	1.6	.2													35	35	24	
18/ 17		2.3	.6	.2														15	15	31	
16/ 15	.2	1.0	.6	.4														11	11	24	
14/ 13	.4	1.0	.2	.2														9	9	12	
12/ 11	.2	1.4	1.0															13	13	11	
10/ 9	.4	.8	.2															7	7	14	
8/ 7	.2	.8	.2															6	6	11	
6/ 5		1.0																5	5	3	
4/ 3	.4	1.6																10	10	12	
2/ 1	.2	1.2																7	7	6	
0/ -1	.2	.8																5	5	8	
-2/ -3		.4																2	2	2	
-4/ -5		.2																1	1	1	
-6/ -7		.2																1	1	1	
-8/ -9																		1	1	1	
-10/-11		.2																1	1	1	
Element (X)	Σx^2	Σx	\bar{x}	s_n	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

77-83
YEARS

YEARS

DEC
MONTH

PAGE 2

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							
-12/-13		.2																1	1	1	2							
-14/-15		.4																2	2	2	7							
-16/-17																					2							
-18/-19																					3							
-20/-21																					1							
-24/-25																					1							
-28/-29																					2							
-30/-31																					1							
TOTAL	7.6	26.8	15.0	17.4	10.0	9.4	5.9	3.7	2.5	1.4	.2						488	488	488	488								
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.																	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1726367	26987	55.32	21.918	488																	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	461514	13618	27.9	12.936	488																	2.5	59.6					93
Wet Bulb	296379	11017	22.6	9.893	488																	3.2	81.0					93
Dew Point	124093	5727	11.7	10.808	488																	13.7	92.6					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO
 STATION STATION NAME

77-83
 YEARS

YEAR

DEC
 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	Dew Point		
66/ 65												.2	.2					2	2				
64/ 63												.2						1	1				
62/ 61											.4							2	2				
60/ 59							.2		.4		.2							7	7				
58/ 57						.2	.2		1.6	1.1								17	17				
56/ 55						.2	.2	1.6	1.4	.2								20	20				
54/ 53							.5	1.4	1.2	.5								20	20				
52/ 51						.4	1.1	1.8	1.1									21	21				
50/ 49						.4	1.1	1.8	1.1									24	24				
48/ 47						.4	1.9	1.2	.7									24	24				
46/ 45			.2		.9	1.4	3.5	.9	.2									40	40	2			
44/ 43				.4	.5	1.6	.9	.7										23	23	5			
42/ 41				.5	.4	2.1	1.8	.9										32	32	8			
40/ 39		.2	.2	.5	.5	1.6	1.8	.4										29	29	37			
38/ 37		.4	.7	1.1	1.4	.7	.7											28	28	47			
36/ 35			1.1	1.2	.2	.4	.4											18	18	54	4		
34/ 33		.5	1.1	1.1	1.4	1.2	.5											33	33	57	1		
32/ 31	.2	1.1	.9	1.2	1.2	1.2												33	33	51	10		
30/ 29	.7	1.1	.9	.5	.5	.4												23	23	42	8		
28/ 27	.9	1.2	.9	1.2	.2	.2												26	26	47	28		
26/ 25	.7	.4	1.2	.2	.2	.2												16	16	35	25		
24/ 23		1.2	.7	.2	.2													13	14	26	15		
22/ 21	.5	1.6	.7	.2														17	17	42	39		
20/ 19	.5	2.3	1.2	.2														24	24	16	71		
18/ 17	.2	.7	.5															8	8	18	52		
16/ 15	.4	.7	.4	.2														9	9	14	57		
14/ 13	.4	1.6	.9															16	16	10	40		
12/ 11		1.1	.2															7	7	10	32		
10/ 9		.7	.4															6	6	11	37		
8/ 7	.2	.5	.7															8	8	7	32		
6/ 5			.2															1	1	6	13		
4/ 3		1.1																6	6	5	21		
2/ 1		.9																5	5	7	18		
0/ -1		.7																4	4	3	12		
Element (X)	Σ X ²		Σ X		Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature					
Rel. Hum.																	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310 USAF ACADEMY AFD CO 77-83 DEC
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
-2/-3		.2																1	1	4	13
-4/-5		.5																3	3	8	8
-6/-7																				3	9
-8/-9																					5
-10/-11																					4
-12/-13																					2
-14/-15																					3
-16/-17																					2
-18/-19																					5
-20/-21																					1
TOTAL	4.6	18.5	12.9	8.6	7.6	11.6	13.4	9.2	5.1	5.1	2.3	.9	.2					567	568	567	567

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1526792	26410	46.6	22.89	567							
Dry Bulb	831807	20103	35.4	14.567	568	1.3	37.2					93
Wet Bulb	482483	15521	27.4	10.089	567	1.6	58.6					93
Dew Point	166632	7758	13.7	10.337	567	10.5	92.2					93

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

745310 USAF ACADEMY AFD CO 77-83 DEC

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															
70/ 69													.6																		3	3			
68/ 67													.2																		1	1			
66/ 65													.2																	1	1				
64/ 63												.4	.6																	6	6				
62/ 61												.6	1.5																	11	11				
60/ 59									.4	1.5	1.7	.8																		23	23				
58/ 57											4.2	.6																		25	25				
56/ 55									.2	3.4	1.7	.4																		30	30				
54/ 53									.6	1.7	2.5	.4																		27	27				
52/ 51							.2	.6	1.7	2.1	.8																			28	28				
50/ 49						.4	1.7	1.0	1.3																					23	23				
48/ 47					1.1	1.0	1.7	.6	.4																					25	25				
46/ 45					1.1	.8	2.7	1.5	.6																					35	35	3			
44/ 43			.2	.2	.8	1.7	1.0	1.7	.4																					31	31	6			
42/ 41				.4	.4	1.1	1.5	.8																						22	22	36			
40/ 39				.6	.6	1.0	1.7	.2																						21	21	68			
38/ 37			.4	.8	1.1	.4	.4	.2																						17	17	53			
36/ 35		.4	.6	1.0	.8	1.5	.6																							25	25	48	1		
34/ 33	.6		.4	1.7	.4	1.1	.8																							26	26	48	6		
32/ 31		1.3	.4	1.3	1.0	.8	.4																							27	27	32	7		
30/ 29	.8	.2	1.9	.2	.6	.2																								20	20	51	14		
28/ 27	.2	1.1	1.9	.4	.2																									20	20	29	17		
26/ 25		.6	1.1	.4	.2																									12	12	40	19		
24/ 23	.4	1.0	.4																											9	9	29	14		
22/ 21	.6	.2	.4	1.1																										12	12	21	39		
20/ 19		1.5	1.1	.2																										15	15	8	83		
18/ 17		.6		.4																										5	5	14	48		
16/ 15			.2																											1	1	12	51		
14/ 13		.6	.2																											4	4	1	30		
12/ 11		.8	.2																											5	5	5	40		
10/ 9		.4	.2																											3	3	5	39		
8/ 7		.6	.4																											5	5	3	30		
6/ 5		.4																												2	2	4	15		
4/ 3		.2	.2																											2	2	4	12		

Element (X) ΣX' ΣX X X² No. Obs. Mean No. of Hours with Temperature

Rel. Hum. ≤ 0 F ≤ 32 F ≤ 67 F ≤ 73 F ≤ 80 F ≤ 93 F Total

Dry Bulb

Wet Bulb

Dew Point

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

745310
 STATION

USAF ACADEMY AFD CO
 STATION NAME

77-83
 YEAR

YEAR

DEC
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
0/-1																				4	4
-2/-3		.2																1	1	1	4
-4/-5																					1
-6/-7																					2
-8/-9																					4
-10/-11																					5
-12/-13																					1
-14/-15																					3
-16/-19																					5
TOTAL	1.7	12.8	10.4	11.1	8.7	11.6	12.1	11.1	9.2	6.8	2.9	1.2	.2					413		413	
																	413		413		

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	918541	17423	42.2	21.106	413							
Dry Bulb	707514	16198	39.2	13.240	413	.2	28.4	.2				93
Wet Bulb	400886	12348	29.9	8.772	413	1.1	49.8					93
Dew Point	130165	6155	14.9	9.659	413	6.5	92.3					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

745310 USAF ACADEMY AFD CO

77-84

STATION		STATION NAME											YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
03-05	MEAN	21.9	21.0	30.3	35.5	41.0	49.1	55.3	54.5	48.2	38.8	33.1	31.8	46.7
	S. D.	7.923	6.795	11.876	8.905	6.808	7.224	5.564	5.096	8.025	8.446	12.182	10.949	10.959
	TOTAL OBS	29	27	28	102	314	385	398	293	202	170	27	29	2004
06-08	MEAN	22.2	25.4	30.6	38.2	46.8	57.7	64.2	60.8	53.8	41.4	32.3	27.9	42.5
	S. D.	11.740	10.895	9.625	10.598	9.168	9.190	7.589	7.546	9.580	9.584	11.413	12.936	17.207
	TOTAL OBS	581	587	625	616	646	630	638	651	629	648	550	488	7289
09-11	MEAN	31.1	35.8	39.7	48.3	55.3	67.8	76.0	72.5	67.2	55.0	42.7	35.4	52.7
	S. D.	12.452	12.229	10.397	11.866	11.049	10.166	7.087	7.646	9.973	11.375	12.917	14.567	18.692
	TOTAL OBS	606	589	622	615	645	629	639	651	628	646	595	568	7433
12-14	MEAN	36.7	41.1	44.7	53.1	59.1	71.8	79.9	76.0	71.7	60.2	47.4	41.0	57.5
	S. D.	12.347	12.579	10.672	11.929	11.220	10.729	6.988	7.971	9.563	11.273	13.159	13.888	18.272
	TOTAL OBS	597	575	595	600	636	620	636	650	606	612	573	525	7227
15-17	MEAN	34.4	41.0	44.9	53.1	59.0	72.0	78.4	74.7	71.4	59.2	45.3	39.2	56.9
	S. D.	11.586	11.870	10.456	11.750	10.804	10.734	8.051	8.033	8.793	10.750	12.850	13.240	18.125
	TOTAL OBS	533	527	530	543	581	552	575	571	566	581	487	413	6459
	MEAN													
	S. D.													
	TOTAL OBS													
	MEAN													
	S. D.													
	TOTAL OBS													
ALL HOURS	MEAN	30.9	35.5	39.6	47.6	53.4	64.7	71.9	69.2	64.5	52.8	41.8	35.8	51.9
	S. D.	13.239	13.559	11.855	13.220	12.099	12.831	11.358	10.722	12.649	13.410	13.886	14.559	18.691
	TOTAL OBS	2346	2305	2400	2476	2822	2816	2888	2816	2631	2657	2232	2023	30412

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

745310 USAF ACADEMY AFD CO

77-84

STATION		STATION NAME											YEARS	
HRS. (U.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
03-05	MEAN	18.6	18.2	25.5	31.4	36.0	44.5	50.1	50.2	42.5	32.9	26.7	24.1	42.0
	S. D.	6.033	7.458	8.830	7.748	5.686	5.213	4.353	3.753	6.107	6.345	8.176	7.734	9.845
	TOTAL OBS	29	27	28	102	314	385	398	293	202	170	27	29	2004
06-08	MEAN	18.7	21.5	26.5	32.5	41.3	49.6	54.9	53.6	45.6	34.4	26.7	22.6	36.3
	S. D.	9.729	8.533	7.095	7.778	6.427	5.590	4.120	4.252	6.459	6.549	8.027	9.893	14.308
	TOTAL OBS	581	387	625	616	646	630	636	651	629	648	550	488	7289
09-11	MEAN	25.1	28.2	31.9	37.5	45.1	53.4	58.7	58.0	51.1	41.3	32.9	27.4	41.2
	S. D.	9.145	7.982	6.193	7.281	6.509	5.344	3.251	3.199	5.256	5.797	7.844	10.089	13.471
	TOTAL OBS	605	589	622	614	645	625	639	651	628	646	595	567	7426
12-14	MEAN	28.5	31.1	34.5	39.7	46.6	54.5	59.4	58.9	52.8	43.5	35.2	30.7	43.4
	S. D.	8.458	7.679	5.894	6.839	6.041	4.944	2.967	3.118	4.782	5.786	7.529	8.923	12.530
	TOTAL OBS	597	575	595	598	636	614	614	650	606	611	573	525	7218
15-17	MEAN	27.4	31.4	34.8	40.3	46.9	54.6	58.6	57.3	52.7	43.2	34.3	29.9	43.3
	S. D.	8.196	7.136	5.557	6.631	5.684	4.531	2.608	2.964	4.352	5.798	7.579	8.772	12.372
	TOTAL OBS	533	527	528	543	581	549	575	571	566	581	487	413	6454
	MEAN													
	S. D.													
	TOTAL OBS													
	MEAN													
	S. D.													
	TOTAL OBS													
	MEAN													
	S. D.													
	TOTAL OBS													
ALL HOURS	MEAN	24.8	27.8	31.7	37.2	44.1	51.8	56.8	56.4	49.9	40.0	32.2	27.6	41.1
	S. D.	9.675	8.864	7.138	7.877	6.835	6.215	4.662	4.534	6.420	7.258	8.446	9.957	13.322
	TOTAL OBS	2345	2305	2398	2473	2822	2803	2888	2816	2631	2656	2232	2022	30391

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

745310 USAF ACADEMY AFD CO

77-84

STATION		STATION NAME												YEARS
HRS. (L.S.T.):		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
03-05	MEAN	10.5	11.0	17.1	24.8	34.3	40.1	45.9	46.8	36.7	24.4	15.7	8.3	36.9
	S. D.	7.145	8.964	9.756	11.198	8.019	7.514	6.481	5.030	8.157	8.250	7.399	10.817	12.391
	TOTAL OBS	29	27	28	102	314	385	398	293	202	170	27	29	2004
06-08	MEAN	10.3	13.0	19.0	24.3	35.7	42.9	48.3	48.4	37.9	25.0	17.1	11.7	28.5
	S. D.	11.077	9.694	8.347	9.927	8.179	7.809	6.302	5.261	8.346	8.310	8.691	10.808	16.088
	TOTAL OBS	581	587	625	616	646	630	638	651	629	648	550	488	7289
09-11	MEAN	14.1	15.5	20.2	23.7	35.1	42.2	46.8	48.3	37.4	25.4	18.9	13.7	28.8
	S. D.	9.617	8.372	7.755	9.936	8.940	8.324	7.769	6.102	8.775	8.154	8.360	10.337	15.033
	TOTAL OBS	605	589	622	614	645	625	639	651	628	646	595	567	7426
12-14	MEAN	15.1	15.9	20.4	23.1	34.7	41.4	45.6	47.5	37.0	25.0	18.8	14.4	28.8
	S. D.	8.884	7.437	7.648	9.859	8.987	7.952	7.778	7.176	8.887	8.093	7.751	9.552	14.491
	TOTAL OBS	597	575	595	598	636	614	638	650	606	611	573	525	7218
15-17	MEAN	15.5	16.7	20.8	24.0	35.4	41.5	44.9	47.2	37.0	25.4	19.3	14.9	29.2
	S. D.	8.861	7.261	7.615	9.711	8.948	7.548	7.815	7.366	8.715	8.357	7.133	9.659	14.103
	TOTAL OBS	533	527	528	543	581	549	575	571	566	581	487	413	6454
ALL HOURS	MEAN	13.7	15.2	20.0	23.8	35.1	41.7	46.4	47.8	37.3	25.2	18.5	13.6	29.4
	S. D.	9.845	8.402	7.909	9.925	8.690	7.911	7.402	6.390	8.644	8.228	8.066	10.205	14.953
	TOTAL OBS	2345	2305	2398	2473	2822	2803	2888	2816	2631	2656	2232	2022	30391

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

745310
STATION

USAF ACADEMY AFD CO
STATION NAME

78-84

PERIOD

FEB
MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05	100.0	100.0	96.3	92.6	81.5	74.1	48.1	22.2	3.7	67.1	27
	06-08	100.0	97.8	92.7	83.5	72.2	56.6	39.7	22.7	8.7	63.0	587
	09-11	100.0	91.0	75.4	57.0	41.6	31.9	19.5	10.5	4.8	48.8	589
	12-14	100.0	84.7	59.7	40.9	29.0	19.5	11.8	6.3	2.6	41.0	575
	15-17	99.8	87.5	62.4	43.5	31.5	20.5	11.4	5.7	2.8	42.2	527
	18-20											
	21-23											
TOTALS		100.0	92.2	77.3	63.5	51.2	40.5	26.1	13.5	4.5	52.4	2305

OPERATING LOCATION "A"
USAF/TAC, ASHEVILLE NC

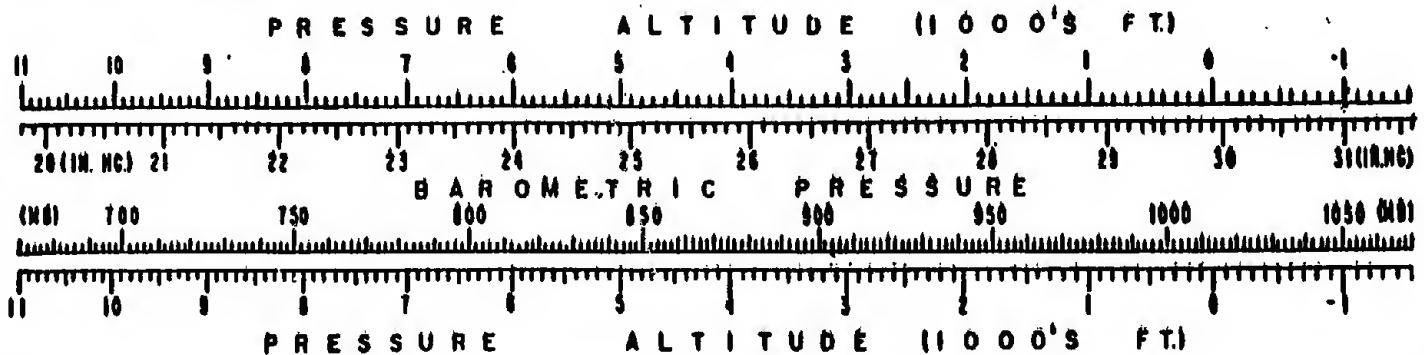
PART I PRESSURE SUMMARY

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 OCT. 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.

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

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



GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

745310 USAF ACADEMY AFD CO

77-84

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS													
05	MEAN S. D. TOTAL OBS	23.494 .101 29	23.485 .155 30	23.530 .157 28	23.503 .150 92	23.553 .135 210	23.647 .113 204	23.720 .080 209	23.717 .080 207	23.680 .124 200	23.646 .146 169	23.513 .165 27	23.431 .163 29	23.634 .145 1434
08	MEAN S. D. TOTAL OBS	23.517 .157 203	23.523 .149 197	23.478 .161 214	23.524 .162 206	23.568 .140 215	23.658 .116 210	23.735 .077 212	23.739 .083 217	23.699 .124 210	23.665 .151 217	23.576 .171 199	23.520 .185 188	23.602 .169 2488
11	MEAN S. D. TOTAL OBS	23.525 .162 202	23.524 .152 196	23.477 .163 206	23.514 .161 206	23.558 .141 213	23.644 .118 209	23.725 .079 213	23.733 .087 217	23.693 .127 208	23.653 .151 213	23.571 .174 199	23.530 .183 188	23.598 .168 2470
14	MEAN S. D. TOTAL OBS	23.477 .159 196	23.480 .153 187	23.444 .157 194	23.488 .156 196	23.533 .144 211	23.613 .120 205	23.698 .078 212	23.706 .092 216	23.655 .128 200	23.611 .147 202	23.529 .171 185	23.485 .174 166	23.564 .167 2370
17	MEAN S. D. TOTAL OBS	23.495 .153 166	23.498 .147 169	23.458 .152 161	23.498 .146 168	23.525 .145 179	23.599 .119 169	23.686 .080 179	23.681 .092 168	23.648 .126 181	23.621 .143 189	23.570 .149 138	23.521 .171 105	23.570 .156 1972
20	MEAN S. D. TOTAL OBS													
23	MEAN S. D. TOTAL OBS													
ALL HOURS	MEAN S. D. TOTAL OBS	23.504 .157 796	23.506 .151 779	23.467 .159 803	23.506 .156 868	23.548 .141 1028	23.634 .119 997	23.714 .081 1025	23.717 .089 1025	23.676 .127 999	23.640 .149 990	23.560 .169 748	23.511 .180 676	23.591 .164 10734