

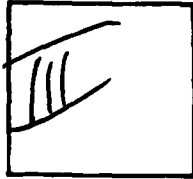
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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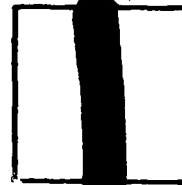
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USAFETAC/DS-82/029  
DOCUMENT IDENTIFICATION

14 May 82

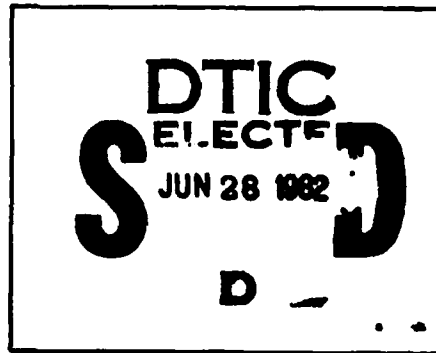
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USAFETAC/DS-82/029

**DATA PROCESSING DIVISION  
USAF ETAC  
Air Weather Service (MAC)**

AWSS TECHNICAL SUMMARY  
PL 4424  
SCOTT AFB, IL 62200

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

PAUXENT RIVER NAS MD  
T 38 17 N 076 24 WLD ELEV 45 FT. MK

MSS #724040

PARTS A-F  
FOR FROM HOURLY OBS: FEB 73 - JAN 81  
FOR FROM DAILY OBS: MAR 45 - JAN 81

TIME CONVERSION GMT TO LST: -5

19 MAY 82

FEDERAL BUILDING

MAY 14 1982

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ASHEVILLE, N. C.



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WAYNE E. MCCOLLON  
Chief, Technical Information Section  
USAFETAC/TST

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WALTER S. BURGEMAN  
ANS Scientific and Technical  
Information Officer (STINFO)

UNCLASSIFIED

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ARE 250 124

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/029	2. GOVT ACCESSION NO.	3. REPORT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSMO)-  Patuxent River NAS, Maryland	5. TYPE OF REPORT & PERIOD COVERED Final rept.	
	6. PERFORMING ORG. REPORT NUMBER	
7. AUTHOR(s)	8. CONTRACT OR GRANT NUMBER(s)	
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBO Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE 14 May 1982
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES 400
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSMO      Daily temperatures      Atmospheric pressure Snowfall      Extreme snow depth      Extreme surface winds Climatology      Sea-level pressure      Psychrometric summary Surface Winds      Extreme temperature      Ceiling versus visibility Relative Humidity      *Climatological data      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Patuxent River NAS, Maryland It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 79 1473

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

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

Maryland

Patuxent River NAS, Maryland

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

**UNCLASSIFIED**

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

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

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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

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

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

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

### MISSING HOUR GROUPS

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

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WGS 84 COMP. #
724040	PATUXENT River NAS MD	38 17 N	076 24 W	45	NRK	

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DGS PER DAY
			FROM	TO			FIELD (FT)	BY MANS.	
	Patuxent River NAS	NAS	Aug 43	Dec 43	N 38 20	W 076 25	45	45	24
		NAS	Jan 44	Feb 45	38 17	76 25		45	24
			Mar 45	Dec 52	Same	Same		45	24
			Jan 53	Dec 60	38 18	76 25		45	24
				Jan 2371				45	45
	Patuxent River NAS OK	WSND	Jan 2471		38 17	76 25	45	45	24
				Dec 73	Same	Same	Same	45	24
				Dec 78	Same	Same	Same	45	24
				Jan 82	Same	Same	Same	45	24

DEC 78 last entry NAS-

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE AND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	1952	Located on top operations tower	Selsyn		85 ft	
	1957	Located on top radar tower, Bldg 147A	AN/UNQ-5		65 ft	
	Mar 59	Same	GMQ10		65 ft	
	1960 thru 1965	Located 1000' NW intersection runway 131 and 24	WR950		13 ft	
	1978	Same	Same		15 ft	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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



CLIMAT CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

74 90 PATUXENT RIVER NAS MD 74-81 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	HALE	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		11.0	.5	2.7	.1	13.5	17.5	4.9			21.6	736
	03-05		11.4	.4	3.9		14.6	22.2	5.8			26.4	739
	06-08		10.5	.7	3.9		14.8	25.8	9.4			32.9	736
	09-11		8.7	.4	4.9		14.0	23.4	17.4	.1		38.2	736
	12-14		8.6	.5	4.1	.1	13.3	16.5	16.8	.1		31.6	732
	15-17		10.4	.3	5.2		15.4	15.5	17.8	.1		30.9	734
	18-20	.1	10.4	.8	3.3		14.2	16.2	13.0	.7		28.4	730
	21-23		9.4	1.0	3.4		13.6	16.3	5.7	.4		21.9	734
TOTALS		.0	10.1	.6	3.9	.0	14.2	19.2	11.4	.2		29.6	5877

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724740  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.1	5.7	.4	2.5		9.3	16.9	5.5	1.2		21.5	674
	03-05		5.5	.4	4.0		9.4	17.0	6.0	1.3		22.4	671
	06-08		6.0	.3	3.6		9.8	18.3	11.8	.7		27.9	671
	09-11		6.2	.3	4.2		10.4	15.8	14.7	1.8		30.9	666
	12-14		6.8	.8	4.2		11.6	13.8	13.1	.9		26.9	666
	15-17	.1	7.1	.7	5.5		12.9	15.8	12.8	1.2		28.7	672
	18-20		7.6	.9	5.1		13.3	15.7	10.5	1.2		26.5	667
	21-23		7.2	.1	4.3		10.9	15.9	5.4	1.3		21.1	667
TOTALS		.0	6.6	.5	4.2		11.0	16.2	10.0	1.2		25.7	5354

1  
2  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

72940 PATUXENT RIVER NAS MD 73-80 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		11.7	.4	2.7		14.5	20.1	6.6	.4		25.6	737
	03-05		13.6		2.5		16.1	24.9	4.8	.4		28.1	727
	06-08	.1	13.5	.7	2.1		16.1	29.5	9.8	.3		37.2	726
	09-11		13.0	.3	2.2	.1	15.0	21.1	14.2			34.4	733
	12-14	.4	11.6	.7	2.3		13.5	17.3	15.2			31.8	735
	15-17	.4	10.4	.3	1.0	.1	11.3	14.1	16.5			30.3	733
	18-20	.1	11.6	.4	1.0		12.6	13.3	15.3	.1		28.2	731
	21-23	.4	11.4	.4	1.4		12.8	17.0	9.4	.4		25.4	735
TOTALS		.2	12.1	.4	1.9	.0	14.0	19.7	11.5	.2		30.1	5857

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

12-40 PATUXENT RIVER NAS MD 73-80 APP  
 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.
APP	00-02	.8	9.0				9.0	10.8	7.7			17.2	711
	03-05	.6	8.0				8.0	14.8	9.3			20.5	709
	06-08	.1	9.4				9.4	17.5	14.5			28.3	704
	09-11		7.7		.1		7.9	10.1	16.1			24.5	710
	12-14	.4	7.5		.1		7.5	7.7	17.4			23.9	711
	15-17	.8	8.3				8.3	6.6	20.0			25.1	700
	18-20	1.3	8.4				8.4	7.7	18.7			23.8	701
	21-23	1.1	8.8				8.8	8.9	13.2			19.4	707
TOTALS		.6	8.4		.0		8.4	10.5	14.6			22.8	5662

5170

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

17-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.8	10.8				10.8	24.0	18.8			38.2	733
	03-05		9.1				9.1	35.3	19.2			46.8	729
	06-08	.4	9.4				9.4	35.9	24.9			51.6	727
	09-11	.1	8.4				8.4	19.9	31.7			46.4	735
	12-14	.3	7.3				7.3	12.3	35.3			43.8	737
	15-17	2.3	8.6				8.6	9.7	37.9			44.0	731
	18-20	3.8	11.3				11.3	12.5	32.6			42.0	728
	21-23	2.1	11.2				11.2	17.8	25.6			38.9	731
TOTALS		1.2	9.5				9.5	20.9	28.3			44.0	5851

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.3	5.9				5.9	20.1	33.3			46.6	712
	03-05	1.1	6.2				6.2	32.9	34.1			52.5	712
	06-08	.7	5.8				5.8	27.1	39.9			55.1	709
	09-11	.4	5.5				5.5	9.5	41.7			47.8	714
	12-14	.4	5.6				5.6	5.6	42.3			46.5	710
	15-17	2.7	6.3				6.3	3.8	45.6			48.6	710
	18-20	3.1	7.5				7.5	5.2	46.0			49.4	707
	21-23	2.1	6.7				6.7	10.4	40.3			47.8	712
TOTALS		1.5	6.2				6.2	14.3	40.4			49.3	5680

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

724040  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEAR

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% 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	2.9	5.7				5.7	21.7	50.0			59.0	734
	03-05	.5	5.3				5.3	34.1	51.2			63.0	737
	06-08	.4	5.1				5.1	31.1	55.6			65.7	732
	09-11	.7	4.2				4.2	7.7	58.3			60.7	737
	12-14	1.5	4.7				4.7	4.7	57.0			59.2	731
	15-17	3.3	5.7				5.7	3.0	57.9			59.4	737
	18-20	6.4	6.4				6.4	4.4	58.5			60.8	730
	21-23	4.8	6.8				6.8	13.1	53.6			60.1	732
TOTALS		2.6	5.5				5.5	15.0	55.3			61.0	5870

NLESA CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAL

# WEATHER CONDITIONS

72-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

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	HALE	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-07	3.0	4.9				4.9	20.4	58.2			65.9	735
	08-05	.9	3.7				3.7	54.6	57.6			70.6	734
	06-09	.3	3.8				3.8	35.3	62.5			72.4	748
	09-11	.3	3.4				3.4	8.0	62.8			66.1	737
	12-14	1.8	4.6				4.6	2.7	60.5			61.9	732
	15-17	8.0	7.4				7.4	2.3	62.3			64.5	730
	18-26	5.1	7.3				7.3	5.2	63.6			67.4	729
	21-23	5.8	5.9				5.9	12.0	58.9			64.6	740
TOTALS		2.6	5.1				5.1	15.1	60.8			66.7	5865



FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION: PATUXENT RIVER NAS MD      73-80      YEARS      SEP      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1P	00-02	.9	6.1				6.1	19.7	36.3			47.4	705
	03-05	.3	8.4				8.4	34.0	33.6			52.2	711
	06-08		6.8				6.8	34.6	41.9			57.9	708
	09-11	.7	7.0				7.0	11.2	38.6			46.0	704
	12-14	.3	6.0				6.0	7.3	36.7			42.6	714
	15-17	1.6	7.5				7.5	5.7	42.4			46.7	707
	18-20	1.7	8.5				8.5	9.2	42.3			48.8	709
	21-23	1.0	8.0				8.0	13.6	38.7			46.8	711
TOTALS		.8	7.3				7.3	16.9	38.8			48.6	5669

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

121140  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 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	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.7	9.6				9.6	20.7	21.2			36.0	736
	03-05	.4	10.3				10.3	28.9	19.6			42.7	736
	06-08	.3	9.8				9.8	34.2	22.6			47.3	734
	09-11	.1	7.1		.1	.3	7.1	14.4	25.4			56.8	736
	12-14	.5	6.2		.1		6.2	10.7	21.7			31.1	729
	15-17		6.1				6.1	9.5	23.9			31.8	737
	18-20		7.5				7.5	11.4	25.5			34.5	730
	21-23	.4	8.7				8.7	15.7	23.6			34.9	733
TOTALS		.3	8.2		.0	.0	8.2	18.2	22.9			36.9	5871

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

72-40  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEARS

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		10.9		.6		11.2	18.6	12.9			29.4	714
	03-05		9.4		1.0		10.4	22.8	12.0			31.8	711
	06-08		7.9		1.1		8.8	28.8	15.2			39.5	706
	09-11		9.8		.6		10.1	18.9	21.7			37.0	710
	12-14		10.2		.3		10.5	14.4	20.5			33.6	708
	15-17	.1	8.4		.1		8.5	12.6	23.6			34.4	704
	18-20	.4	9.5		.1		9.6	14.7	19.4			32.1	708
	21-23	.1	9.4		.4		9.8	16.6	13.4			28.0	715
TOTALS		.1	9.4		.5		9.9	18.4	17.3			33.2	5676

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		8.2	.3	.7		9.0	16.6	6.0			21.2	735
	03-05		10.0	.4	1.8		11.6	19.6	4.6			22.6	733
	06-08		9.1	.4	.9	.1	10.0	22.1	7.6			26.7	738
	09-11		8.7	.3	1.6		10.2	18.2	11.3	.3		28.3	736
	12-14		9.8		2.0		11.5	15.4	12.0	.1		25.9	733
	15-17		9.9		1.9		11.3	15.9	12.6			26.6	736
	18-20		12.2	.3	1.8		13.3	16.3	10.2	.1		25.0	736
	21-23	.1	10.2	.3	.7		10.9	16.3	7.1	.1		22.1	734
TOTALS		.0	9.8	.3	1.4	.0	11.0	17.6	8.9	.1		24.8	5881

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

724140 PATUXENT RIVER NAS MD 73-81 ALL  
 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	ALL	.0	10.1	.6	3.9	.0	14.2	19.2	11.4	.2		29.0	5877
FEB		.0	6.6	.5	4.2		11.0	16.2	10.0	1.2		25.7	5554
MAR		.2	12.1	.4	1.9	.0	14.0	19.7	11.5	.2		30.1	5857
APR		.6	8.4		.0		8.4	10.5	14.6			22.8	5662
MAY		1.2	9.5				9.5	20.9	28.3			44.0	5851
JUN		1.5	6.2				6.2	14.3	40.4			49.3	5680
JUL		2.6	5.5				5.5	15.0	55.3			61.0	5870
AUG		2.6	5.1				5.1	15.1	60.8			66.7	5865
SEP		.8	7.3				7.3	16.9	38.8			48.6	5669
OCT		.3	8.2		.0	.0	8.2	18.2	22.9			36.9	5871
NOV		.1	9.4		.5		9.9	18.4	17.3			33.2	5676
DEC		.0	9.8	.3	1.4	.0	11.0	17.6	8.9	.1		24.8	5881
TOTALS		.8	8.2	.2	1.0	.0	9.2	16.8	26.7	.1		39.5	69115

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
**WEATHER CONDITIONS**  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

724640      PATUXENT RIVER NAS MD      45-80      ALL  
STATION      STATION NAME      YEARS      MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	40.6	3.3	19.3	.2	49.5	41.8	30.5	2.6		52.9	1049
FEB		1.9	37.6	2.6	16.3	.4	44.8	39.0	32.4	2.5		53.1	972
MAR		3.8	46.5	.5	9.4	.5	50.0	40.0	33.0	1.2		52.6	1104
APR		8.9	48.2	.1	1.3	.3	48.5	34.8	31.0	.1		47.5	1068
MAY		15.5	50.6			.4	50.6	39.8	41.1			54.7	1101
JUN		20.1	45.5			.2	45.5	37.0	50.2			58.8	1061
JUL		25.4	46.5			.1	46.5	34.2	54.4			60.3	1076
AUG		21.3	42.6			.1	42.6	40.0	59.4			66.9	1097
SEP		9.6	37.4				37.4	37.9	45.8			56.3	1059
OCT		3.4	34.9		.2	.1	34.9	43.7	40.1			57.8	1096
NOV		2.0	40.7		3.6		42.2	38.3	32.4	.1		49.8	1051
DEC		.5	37.8	1.5	10.7		42.0	39.2	32.8	.9		51.6	1094
TOTALS		9.4	42.4	.7	5.1	.2	44.5	38.8	40.3	.6		55.2	12828

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

( PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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



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

Air Force Stations:

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

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

Beginning thru Jan 52 at 0630GMT  
 Jul 52-May 57 at 1230GMT  
 Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81  
YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	02-.05	06-.10	.11-.25	26-.50	51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	51.9	13.7	2.1	6.2	4.8	7.8	7.9	4.1	1.6					34.5	1113	3.14	6.17	.45	
FEB	55.6	11.9	2.0	6.0	3.0	7.5	6.5	5.1	1.4	.1				32.5	989	2.77	7.02	.81	
MAR	50.4	15.1	2.8	6.0	4.3	7.3	5.9	6.0	2.2	.1				34.5	1116	3.53	7.00	.63	
APR	52.1	14.2	2.9	7.2	4.2	6.9	6.9	4.2	1.6					33.7	1080	2.82	6.74	.94	
MAY	49.9	13.7	2.6	7.1	4.7	7.2	7.3	5.1	2.2	.2				36.4	1116	3.77	9.80	.44	
JUN	55.6	13.5	2.2	6.1	4.1	5.4	5.1	5.0	2.8	.2				30.9	1077	3.42	7.34	.22	
JUL	54.3	13.3	2.1	5.6	3.6	6.8	5.6	4.9	3.7	.4				32.5	1116	4.27	15.51	1.06	
AUG	58.3	12.3	1.7	5.2	3.3	6.6	5.4	3.3	2.8	1.1	.1			29.5	1116	4.38	11.10	.61	
SEP	63.5	11.3	2.0	4.1	2.9	5.7	3.6	3.9	2.6	.4				25.2	1079	3.23	7.99	.09	
OCT	65.7	11.5	1.5	4.6	2.2	4.5	4.4	3.1	2.2	.4				22.8	1116	2.89	6.61	TRACE	
NOV	58.9	12.5	1.8	5.7	3.2	5.9	4.5	4.9	2.3	.3				28.6	1078	3.13	7.95	.31	
DEC	58.7	12.2	1.6	5.3	3.0	5.9	5.5	5.9	1.9					29.1	1115	3.17	6.50	.47	
ANNUAL	56.2	12.9	2.1	5.8	3.7	6.5	5.7	4.6	2.3	.3	.0			30.8	13111	40.52			

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 PRECIPITATION

(FROM DAILY OBSERVATIONS)

724740 STATION PATUXENT RIVER NAS MD

95-81 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.22	1.38	1.87	2.49	2.58	.33	1.28	2.38	1.12	1.21	
46	.35	.53	1.89	1.93	1.91	1.12	1.00	1.73	2.67	.47	1.12	1.40	2.67
47	.84	.43	.65	1.26	1.56	1.29	1.18	3.19	.98	.85	3.79	1.19	3.79
48	2.70	.43	1.19	.74	2.51	.44	1.84	2.46	.79	2.05*	1.00	1.48	2.51
49	1.64	.71	.97	.49	.80	1.83	1.90	3.26*	.68	2.63	1.95	.39	3.26
50	.71	.45	1.08	.61	1.77	.71	.84	2.53	.98	.99	.72	1.03	2.53
51	.56	1.02	.51	.78	.92	1.54	1.14	2.25	1.93	.77	1.00	1.15	2.25
52	1.31	.92	1.37	1.26	.69	.75	.93	.69	1.22	.96*	2.89	.92	* 2.89
53	.53	1.44	1.09	.59	1.07	.64	.46	3.03	.93	2.17	.97*	.89	3.03
54	1.40	2.09	.76	.98	.98	.04	.87	1.04	.47	.58	.69	.79	2.09
55	.40	.69	1.21	.74	.77	1.37	1.53	4.94	.97	.52	1.07	.52	4.94
56	.59	.70	.77	1.38	.71	1.13	1.91	.48	.76	1.63	4.22	.88	4.22
57	.91	.91	.91	.98	1.15	2.34	.65	1.62	1.04	1.74	.91	1.24	2.34
58	1.68	1.14	1.97	1.29	1.99	1.13	3.04	4.67	1.42	1.23	1.25	1.09	4.67
59	.47	.58	.67	.78	.35	1.04	2.14	.74	.20	1.28	2.04	1.00	2.14
60	.52	1.09	.94	1.07	1.57	2.37	4.63	.80	3.89	1.20	.81	1.32	4.63
61	1.72	1.75	1.07	.60	1.98	1.53	1.04	1.43	.56	3.53	.57	.68	3.53
62	2.14	.87	.77	.63	.50*	.53	.72	.80	1.03	.90	1.50	1.01	2.14
63	.35	.38	.92	.84	.94	3.04	.57	.41	.81	TRACE	2.50	.64	3.04
64	1.04	1.01	.73	.73	.29	2.34	1.70	.87	1.79	1.59	1.39	.87	2.34
65	* .60	1.08	1.39	.69	.22	1.14	.62	1.89	1.52	.64	.19	.41	1.89
66	.90	.97	.41	.98	.97	.90	.64	.28	2.36	3.59	.64	.80	3.59
67	.50	.79	.74	.34	1.99	.56	1.19	1.39	.63	.70	.73	1.06	1.99
68	1.46	.64	1.45	.53	2.16	.64	.27	.84	1.51	.49	2.12	.84	2.16
69	.72	1.18	.66	.82	.81	1.00	2.54	9.88	1.64	.52	.46	1.74	9.88
70	.37	.65	1.04	1.34	.45	1.34	1.28	.93	1.69	.78	1.09	.69	1.69
71	.46	1.25	.74	1.34	2.64	.83	.73	2.76	.74	1.53	1.65	.51	2.76
72	* .46	1.21	.88	1.55	1.95	2.64	1.09	1.64	.79	1.64	1.34	.78	2.64
73	.81	1.74	.55	.61	.62	.56	.48	2.65	1.31	1.52	.50	1.11	2.65
74	.66	.92	1.93	.35	.83	1.35	.28	3.73	1.12	.53	.26	1.66	3.73
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 314 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
**PRECIPITATION**

(FROM DAILY OBSERVATIONS)

724047 PATUXENT RIVER NAS MD  
 STATION STATION NAME

45-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	1.25	.64	1.81	.79	1.14	1.14	1.91	1.73	2.75	1.61	.92	1.91	2.75
76	1.73	.56	.90	.67	1.51	.49	1.04	.34	1.79	1.46	.42	.92	1.79
77	.78	.41	.94	.51	.75	1.67	.73	1.09	2.01	1.97	1.31	1.87	2.01
78	1.72	.57	2.23	1.44	1.80	.63	1.86	.91	.03	.29	.68	1.30	2.23
79	1.37	3.06	1.24	.61	1.88	1.64	1.73	3.04	3.21	1.16	1.57	.75	3.21
80	1.12	.20	2.66	.86	.69	.28	2.33	.46	.91	3.08	.63	.21	3.08
81	.18												
MEAN	.977	.928	1.078	.903	1.244	1.265	1.386	1.856	1.367	1.359	1.238	1.011	3.026
S.D.	.543	.566	.518	.373	.662	.728	.893	1.409	.839	.877	.891	.411	1.067
TOTAL OBS	1113	989	1116	1088	1116	1077	1116	1116	1079	1116	1076	1115	13117

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**EXTREME VALUES**  
 XXXXXXXXXXXXXXXXXXXXXXX  
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

724740 PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.63	3.36	4.78	5.96	15.51	1.09	4.23	3.26	4.64	6.50	
46	1.31	1.61	3.05	3.10	6.25	4.78	2.52	3.93	5.27	2.21	2.60	2.89	39.52
47	4.06	.97	2.02	4.15	3.40	4.25	2.54	4.65	2.76	1.58	7.01	1.96	39.39
48	5.15	1.61	4.00	2.28	9.21	1.69	4.51	7.48	2.01	3.26	6.80	5.23	53.23
49	4.31	2.78	3.12	1.93	4.78	5.28	7.16	6.98	1.49	4.19	3.15	1.44	46.61
50	2.61	1.98	4.76	1.66	5.32	2.10	5.67	3.64	4.29	1.69	1.80	2.43	37.95
51	1.47	2.28	1.68	3.69	3.09	6.28	3.61	5.63	3.06	2.02	4.41	3.61	40.83
52	5.75	3.13	5.02	6.74	3.31	1.67	2.82	4.08	3.74	1.86	5.23	3.50	46.85
53	3.71	3.05	5.12	3.01	4.19	1.61	1.87	8.45	2.04	2.87	2.33	2.78	41.03
54	3.02	2.39	2.40	3.12	3.00	.22	2.59	3.72	1.30	2.05	2.88	2.73	29.42
55	1.28	2.68	4.49	3.16	2.07	3.64	2.64	9.94	1.69	1.91	2.12	.86	36.48
56	2.11	3.66	3.30	2.81	3.25	3.05	7.24	1.70	3.63	5.98	7.95	3.12	47.80
57	3.27	3.95	2.98	2.67	2.13	3.32	1.41	6.17	3.35	3.84	4.32	5.65	43.04
58	3.80	4.09	6.43	6.58	5.75	4.44	7.16	11.10	2.36	2.38	2.32	2.39	58.80
59	1.43	1.55	2.70	2.80	1.18	1.84	8.01	2.02	.25	4.00	5.60	3.51	34.89
60	2.49	3.92	2.88	3.12	5.49	3.69	10.47	1.89	6.43	2.24	1.72	2.87	47.21
61	3.93	4.72	4.63	2.12	5.08	6.08	2.37	2.78	1.10	5.58	1.81	3.38	43.58
62	4.16	4.00	3.51	2.82	1.14	1.40	2.17	1.56	2.92	2.05	5.97	3.09	34.79
63	1.75	1.44	5.37	1.28	1.98	5.77	1.27	.64	2.14	TRACE	4.86	1.75	28.25
64	4.00	4.60	2.13	3.37	.53	5.30	2.99	1.67	3.45	3.79	2.27	2.64	36.74
65	* 3.02	2.51	3.90	2.33	.49	3.38	3.42	4.97	2.80	.92	.31	.47	28.52
66	4.32	3.19	.79	3.27	3.28	2.86	1.98	.61	7.29	5.02	1.17	3.18	36.96
67	1.43	2.38	2.01	1.17	4.56	1.39	3.89	5.91	1.23	1.36	1.69	4.39	31.41
68	2.92	.98	4.69	1.05	3.33	3.04	1.27	3.14	3.58	1.70	3.86	2.29	31.85
69	2.09	2.33	2.68	3.25	1.97	1.88	9.52	9.42	2.52	1.04	1.25	6.39	44.34
70	1.64	2.17	3.73	3.50	1.56	2.72	4.84	1.57	2.17	1.37	3.17	3.08	31.57
71	2.13	4.43	2.26	1.84	9.80	1.83	3.28	6.10	1.01	5.18	3.41	.99	42.24
72	* 2.38	5.93	2.38	3.24	6.28	7.34	2.59	4.07	1.79	3.56	4.93	3.65	48.14
73	2.86	2.97	2.69	3.12	2.28	1.74	1.61	4.12	1.78	2.74	1.09	4.73	31.73
74	2.71	1.40	5.25	1.34	3.35	3.66	1.06	6.88	4.56	.71	.71	4.48	36.07
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
EXTREME VALUES  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

77040 STATION PATUXENT RIVER NAS MD STATION NAME 45-01 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	4.63	2.79	6.03	2.14	3.33	4.19	4.87	3.53	7.99	4.56	2.31	3.97	50.34
76	4.03	1.31	1.96	.94	3.76	.92	2.69	.95	7.47	4.92	1.27	2.24	32.46
77	2.09	.81	1.90	1.52	1.94	5.28	2.02	3.13	2.59	4.16	3.88	5.31	34.63
78	6.17	1.01	6.65	2.99	5.24	3.39	5.62	2.90	.09	.69	2.61	4.07	41.43
79	5.99	7.02	3.10	2.69	6.43	4.18	5.75	9.16	7.53	2.84	4.67	1.44	60.80
80	3.69	1.15	7.00	3.40	2.13	.96	4.70	2.18	2.46	6.61	2.49	.68	37.45
81	.45												
MEAN	3.140	2.765	3.534	2.821	3.768	3.421	4.269	4.381	3.225	2.893	3.138	3.169	39.590
S. D.	1.461	1.464	1.618	1.251	2.165	1.774	3.047	2.836	2.065	1.640	1.815	1.541	8.051
TOTAL OBS	1113	989	1116	1089	1116	1077	1116	1116	1079	1116	1078	1115	11111

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
~~SNOWFALL~~  
(FROM DAILY OBSERVATIONS)

724940 PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.7	11.5	1.8	1.8	1.7	.5	.4	.8	.3	.1				7.5	1113	5.1	29.0	.0
FEB	54.3	8.8	.7	2.3	1.4	.8	.7	.4	.4	.1				6.9	988	4.9	32.3	.0
MAR	90.8	5.8	.5	1.0	.5	.4	.2	.4	.4					3.4	1116	2.9	22.0	.0
APR	98.8	1.1	.1											.1	1080	TRACE	.3	.0
MAY	99.9	.1													1116	TRACE	TRACE	.0
JUN	100.0														1080	.0	.0	.0
JUL	100.0														1116	.0	.0	.0
AUG	100.0														1116	.0	.0	.0
SEP	100.0														1080	.0	.0	.0
OCT	99.8	.1	.1											.1	1116	TRACE	.1	.0
NOV	96.9	2.1	.6	.2					.2					.9	1079	.3	7.1	.0
DEC	89.9	6.6	.6	1.2	.6	.2	.3	.1	.2					3.5	1114	2.1	13.0	.0
ANNUAL	95.1	3.0	.4	.5	.4	.2	.1	.2	.1	.0				1.9	13114	15.1		

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81  
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.0	.0	.0	.0	.0	.0	.0	.0	TRACE*	6.0	
46	1.5	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.3
47	1.7	.8	7.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
48	5.5	3.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.5
49	* .4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	* .4
50	.0	1.3	5.0	.0	.0	.0	.0	.0	.0	.0	.2	TRACE	5.0
51	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
52	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	* 1.3	.0	1.9
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3*	.0	.0
54	11.2	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	11.2
55	4.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.0
56	1.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.4
57	3.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.9
58	4.9	.4	7.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.0
59	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	2.0
60	1.8	5.4	9.4	.0	.0	.0	.0	.0	.0	.0	.0	4.0	9.4
61	5.3	4.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	5.0
62	5.3	4.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.5
63	1.6	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
64	5.4	7.2	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	7.2
65	* 5.2	3.7	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 5.2
66	9.0	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	8.0	9.0
67	5.0	7.5	TRACE	.0	.0	.0	.0	.0	.0	.0	7.1	2.0	7.5
68	3.0	4.1	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.1
69	.2	2.8	6.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	6.3
70	2.9	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9
71	1.0	TRACE	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0
72	* .0	5.8	.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.0	5.8
73	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.9	2.0
74	TRACE	4.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

## SNOWFALL

(FROM DAILY OBSERVATIONS)

72-090 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81

YEARS

### 24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	3.7	4.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.0
76	.2	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	1.8	1.8
77	6.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.3
78	2.9	5.7	6.2	.0	.0	.0	.0	.0	.0	.0	.4	TRACE	6.3
79	1.6	11.7	.1	.0	.0	.0	.0	.0	.0	.1	.0	TRACE	11.7
80	4.8	2.0	5.6	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.6
81	1.8												
MEAN	3.02	2.69	1.91	.01	TRACE	.00	.00	.00	.00	.00	.25	1.28	5.97
S.D.	2.673	2.683	2.849	.050	.000	.000	.000	.000	.000	.014	1.201	2.127	2.709
TOTAL OBS	1113	966	1116	1086	1116	1090	1116	1116	1090	1116	1079	1119	13119

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

724040 STATION PATUXENT RIVER NAS MD 45-81 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.0	.0	.0	.0	.0	.0	.0	.0	TRACE*	7.3	
46	3.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	14.5
47	1.7	2.5	10.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	15.0
48	8.2	3.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	12.0
49	* 1.0	* TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	* 1.0
50	.0	2.5	6.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.0
51	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
52	TRACE	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	* 1.7	.0	* 5.1
53	TRACE	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 5.0
54	12.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	13.0
55	7.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.0
56	2.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.2
57	11.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.5	16.2
58	4.9	.7	11.2	.0	.0	.0	.0	.0	.0	.0	.0	7.7	29.5
59	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0
60	3.7	6.3	22.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	38.0
61	6.0	9.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	15.2
62	14.1	6.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	12.0	36.0
63	2.3	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1
64	6.4	15.4	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	29.0
65	* 11.3	3.7	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 18.0
66	29.0	6.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	13.0	48.0
67	5.0	18.5	TRACE	.0	.0	.0	.0	.0	.0	.0	7.1	4.0	34.6
68	6.0	4.1	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.4
69	.2	2.6	12.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	15.6
70	6.6	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.5
71	2.4	TRACE	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	9.4
72	* .0	10.6	.0	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	* 11.3
73	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	4.3	6.3
74	TRACE	4.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

95-81 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	3.7	7.0	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	11.9
76	.2	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	3.0	5.1
77	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.3
78	4.5	10.0	10.1	.0	.0	.0	.0	.0	.0	.0	.8	TRACE	25.9
79	2.7	32.3	.1	.0	.0	.0	.0	.0	.0	.1	.0	TRACE	35.2
80	8.0	6.4	6.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	20.8
81	2.3												
MEAN	5.00	4.90	2.87	.01	TRACE	.00	.00	.00	.00	.00	.27	2.07	16.31
S. D.	5.713	6.574	4.937	.050	.000	.000	.000	.000	.000	.014	1.204	3.520	12.044
TOTAL OBS	1113	988	1116	1000	1116	1000	1116	1116	1000	1116	1079	1114	13114

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

72490 STATION PATUXENT RIVER NAS MD 45-48, 50, 52-81 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	77.8	8.3	4.3	2.8	1.7	3.4	1.4	.1	.1					13.9	991			
FEB	76.1	7.9	5.3	3.1	1.8	3.3	1.3	.7	.6					16.0	876			
MAR	91.3	2.5	.9	1.0	1.4	1.7	1.1							6.1	992			
APR	98.2	.6			.2	.5	.4							1.1	963			
MAY	100.0														992			
JUN	100.0														960			
JUL	100.0														1023			
AUG	100.0														1023			
SEP	100.0														990			
OCT	100.0														1023			
NOV	99.6	.3		.1										.1	989			
DEC	89.9	3.6	1.6	1.6	1.3	1.7	.4							6.5	1022			
ANNUAL	94.4	1.9	1.0	.7	.5	.9	.4	.1	.1					3.6	11844			

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

72440 PATUXENT RIVER NAS MD  
 STATION STATION NAME

45-48, 52-81 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			0	0	0	0	0	0	0	0	0	6	
46	10	3	0	0	0	0	0	0	0	0	0	0	10
47	7	3	7	0	0	0	0	0	0	0	0	TRACE	7
48	6	3	0	0	0	0	0	0	0	0	0	TRACE	6
52											0*TRACE	0	
53	TRACE	0	4	0	0	0	0	0	0	0	2*	0	4
54	10	TRACE	0	TRACE	0	0	0	0	0	0	0	1	10
55	4	1	0	0	0	0	0	0	0	0	0	0	4
56	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
57	5	1	0	0	0	0	0	0	0	0	0	2	5
58	4	4	3	0	0	0	0	0	0	0	0	0	6
59	1	0	0	0	0	0	0	0	0	0	0	TRACE	1
60	TRACE	4	10	0	0	0	0	0	0	0	0	4	10
61	5	3	0	0	0	0	0	0	0	0	0	0	5
62	5	4	4	0	0	0	0	0	0	0	0	6	6
63	2	1	0	0	0	0	0	0	0	0	0	1	2
64	6	7	3	TRACE	0	0	0	0	0	0	0	0	7
65	* 8	4	3	0	0	0	0	0	0	0	0	0	* 8
66	27	31	0	0	0	0	0	0	0	0	0	11	31
67	5	9	0	0	0	0	0	0	0	0	0	3	9
68	3	0	5	0	0	0	0	0	0	0	0	0	5
69	TRACE	1	6	0	0	0	0	0	0	0	0	TRACE	6
70	4	1	TRACE	0	0	0	0	0	0	0	0	TRACE	4
71	2	1	7	0	0	0	0	0	0	0	0	0	7
72	0	2	0	TRACE	0	0	0	0	0	0	0	0	2
73	2	0	0	0	0	0	0	0	0	0	0	3	3
74	0	4	0	0	0	0	0	0	0	0	0	0	4
75	4	1	1	0	0	0	0	0	0	0	0	0	4
76	0	TRACE	0	0	0	0	0	0	0	0	TRACE	2	2
77	6	0	0	0	0	0	0	0	0	0	0	0	6
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

72-40 PATUXENT RIVER NAS MD

45-48, 52-81

#### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	MONTH												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
73	2	8	6	0	0	0	0	0	0	0	TRACE	0	8
79	2	27	TRACE	0	0	0	0	0	0	0	0	0	27
80	6	4	6	0	0	0	0	0	0	0	0	0	6
81	2												
MEAN	4.2	4.1	2.0	TRACE	.0	.0	.0	.0	.0	.0	.1	1.4	7.0
S.D.	5.082	7.087	2.890	.000	.000	.000	.000	.000	.000	.000	.354	2.601	6.649
TOTAL OBS	991	876	992	990	992	960	1023	1023	990	1023	989	1022	11841

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

( PART C

SURFACE WINDS

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

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

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

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

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

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

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

- (1) \*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 SURFACE WINDS

(FROM DAILY OBSERVATIONS)

724740 PATUXENT RIVER NAS MD  
 STATION STATION NAME

45-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			W 47	W 46	N 46	N 42	W 45	E 35	N 48	N 42	S 43	38	
46	N 37	N 49	N 42	N 43	N 36	N 51	*39	N 41	N 37	N 49	N 36	58	NW 58
47	NW 46	NW 47	SW 57	WSW 34	NE 45	N 48	1E 31	NE 24	NE 35	N 33	N 42	37	W 57
48	NW 36	N 40	N 37	*43	N 47	NNE 39	SW 44	N 32	NNE 33	NNE 44	NW 46	57	NW 57
49	W 48	W 48	W 49	E 40	E 48	SE 40	SE 68	E 65	N 34	NE 35	NW 43	43	SW 68
50	NW 46	NW 49	NW 46	N 40	NW 60	NW 41	NW 39	*47	N 36	N 42	NW 49	42	NW 60
51	NW 44	NW 49	N 44	N 38	NW 39	N 43	N 54	N 52	N 30	SE 48	*42	*41	NW 54
52	NW 40	NW 44	N 46	N 42	SW 35	SW 50	N 34	N 44	N 58	SE 46	NW 45	37	S 58
53	NW 44	NW 36	NW 38	NW 42	NW 44	N 55	N 39	N 48	NW 46	NW 39	NW 50	48	NW 59
54	NW 48	N 51	N 48	N 46	NW 46	N 70	NW 71	NW 61	SE 46	NE 11	NW 46	48	ESE 110
55	NW 53	SSW 54	NW 62	NW 63	ESE 44	SW 54	ESE 42	69	N 51	N 56	NW 47	46	ESE 69
56	W 55	W 61	NW 52	NW 54	NW 52	NW 47	NW 60	ENE 62	ENE 55	N 48	N 51	49	NW 62
57	NW 62	NW 38	NW 46	NW 60	SSW 38	NW 60	SW 33	NW 56	NE 38	ESE 69	SE 48	53	ESE 69
58	ENE 48	NW 49	N 57	NW 41	NW 42	N 60	SE 40	N 46	NW 40	NW 39	NNE 55	*37	NW 60
59	NW 47	NW 43	NE 47	N 37	NW 31	NW 43	NNE 42	NE 31	N 31	N 30	NW 42	38	NW 47
60	W 42	W 61	NW 48	NW 38	SW 37	WSW 48	WSW 40	NW 43	N 45	N 35	NW 31	43	E 61
61	NW 44	WSW 47	N 40	NW 43	WSW 33	WSW 48	SSW 34	SSW 28	NNE 29	NNE 30	SSW 34	29	WSW 48
62	NW 32	N 27	N 35	SSW 34	SSW 32	NW 30	SSW 35	SSW 24	SE 23	ESE 26	NW 36	39	NW 39
63	NW 39	NW 31	N 34	SW 41	NNE 28	N 32	N 27	N 31	N 31	N 27	NW 35	30	SW 41
64	N 34	N 41	SW 45	WSW 35	NW 26	N 51	N 40	NNE 34	NNE 39	NNE 31	N 33	39	N 51
65	NW 42	NW 43	NW 36	SSW 38	NW 43	NW 38	NW 32	NW 49	SE 26	N 43	NW 40	30	NW 49
66	N 41	SE 32	WSW 37	WSW 30	NW 33	NW 28	SSW 35	ESE 34	NE 29	SE 28	NW 32	33	N 41
67	N 33	SSW 37	NW 46	WSW 44	WSW 44	NW 25	NW 32	NW 36	WSW 35	WSW 42	NW 40	40	NW 46
68	NW 35	NW 36	NW 43	NW 36	NW 36	NW 38	NW 29	N 47	NW 29	NNE 29	*39	40	E 47
69	N 30	NW 42	N 35	SSW 34	WSW 37	NW 40	NW 32	SSW 39	NW 25	NW 29	NW 42	38	NW 42
70	NW 42	NW 37	N 26	NW 44	NW 28	NW 30	NW 33	NW 29	NW 40	NW 28	*33	38	N 44
71	N 43	NW*22	31/ 40	34/ 36	25/ 77	32/ 49	15/ 34	1/ 29	3/ 24	15/ 28	30/ 34	24/ 44	25/ 77
72	31/ 34	21/ 42	27/ 35	2/ 28	32/ 25	34/ 37	24/ 26	24/ 24	21/ 28	32/ 30	14/ 42	29/ 31	21/ 42
73	26/ 33	19/ 36	24/ 42	29/ 32	33/ 28	2/ 23	31/ 23	25/ 23	16/ 30	16/ 30	21/ 36	2/ 36	24/ 42
74	23/ 29	16/ 36	26/ 43	25/ 36	32/ 31	32/ 29	29/ 36	15/ 27	33/ 34	33/ 27	27/ 32	10/ 49	10/ 49
MEAN													
S.D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
 NL 64

0-88-5 (OLA)

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

72407 PATUXENT RIVER NAS MD 45-81  
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	31/ 4022/	3731/	3729/	4730/	3024/	40 1/	3125/	3329/	31 8/	2530/	2919/	31	29/ 47
76	32/ 3229/	4131/	3730/	2730/	2916/	2336/	3932/	1833/	1635/	2531/	2830/	38	29/ 47
77	36/ 4131/	3529/	4032/	3935/	4223/	4029/	5324/	54 8/	4027/	3629/	3930/	38	24/ 54
78	23/ 6329/	3923/	37 4/	43 5/	2831/	5230/	3818/	32 2/	2632/	2830/	2829/	43	23/ 60
79	30/ 3736/	4332/	3030/	3516/	3222/	2821/	31 4/	3316/	5827/	3224/	4834/	36	16/ 58
80	31/ 2933/	3431/	4731/	3223/	3033/	4029/	6532/	5433/	2732/	3634/	3536/	38	29/ 65
81	34/ 31												
MEAN	41.0	42.2	42.5	39.9	38.4	42.0	39.6	39.6	35.6	38.2	39.9	40.5	54.5
S.D.	8.289	7.869	7.588	7.829	10.530	11.087	11.717	13.320	10.040	15.713	7.230	7.300	14.550
TOTAL OBS	1111	970	1111	1070	1113	1076	1107	1107	1076	1111	1069	1102	13019

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) 5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 4 PATUXENT RIVER NAS MD

YEAR 74-81

MONTH JAN

CLASS ALL WEATHER

GROUP (L.S.V.) 0000-0200

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	2.0	2.9	2.3	.8								8.1	6.0
NNE	.7	1.0	.7	.5								2.9	6.4
NE	.7	.8	.1	.4								2.0	5.9
ENE	1.2	.8	.3	.1								2.5	4.4
E	.7	.7	.5	.1								2.0	5.5
ESE	.5	.3	.4									1.2	4.9
SE	1.4	.7	.7									2.7	4.4
SSE	1.2	1.6	1.0	1.0	.4							5.2	7.8
S	2.2	2.3	1.6	.3								6.4	5.2
SSW	.8	.1	1.6	1.1								3.7	8.1
SW	.7	.4	1.5	.7								3.3	8.0
WSW	.7	1.4	1.1	.7	.1	.3						4.2	8.3
W	2.0	3.0	1.9	.7	.1							7.8	6.1
WNW	2.6	1.4	2.5	3.4	.4							10.2	8.7
NW	1.8	3.1	2.9	3.1	.4	.3						11.6	8.7
NNW	3.0	4.9	3.7	1.5	.1							13.3	6.5
VARBL													
CALM												12.8	
	22.3	25.4	22.8	14.5	1.6	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

732

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION NO. 74-81 STATION NAME PATUXENT RIVER NAS MD YEARS 74-81 MONTH JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.8	3.5	1.2								9.5	6.8
NNE	.7	1.4	.8	.3	.1							3.2	6.9
NE	.5	.4	.1	.3	.1							1.5	7.0
NNE	1.2	.7	.3									2.2	3.9
E	.5	1.1	1.1									2.7	5.7
ESE	.1	1.4	.3									1.8	4.9
SE	.8	.8	.5									2.2	4.9
SSE	1.6	1.4	.7	.5		.1						4.3	5.8
S	.5	2.3	1.4	.3	.1							4.6	6.7
SSW	.9	1.1	1.5	.5		.1	.1					4.3	7.9
SW	.7	.7	.5	1.1	.1							3.1	8.2
WSW	.8	.7	.9	.8	.5							3.8	9.2
W	1.9	1.6	2.4	1.4								7.3	7.3
WNW	1.4	1.6	2.2	4.3	.4	.3						10.1	9.7
NW	2.4	3.9	2.4	2.3	.7							11.8	7.5
NNW	2.6	5.1	4.3	.9								13.0	6.1
VARBL													
CALM												14.6	
	18.7	26.9	23.0	13.9	2.2	.5	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 739

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

740040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.4	2.3	1.8	1.1								6.5	6.6
NNE	1.1	2.4	.4	.5								4.5	5.7
NE	.8	1.9	.1	.3								3.1	5.3
ENE	.5	1.2	.4	.1								2.3	5.6
E	.7	1.5	.7									2.9	5.1
ESE	.4	1.4	.4	.3								2.4	6.2
SE	.7	1.6	.5	.1								3.0	5.2
SSE	.7	1.0	.8		.1							2.6	6.1
S	1.2	1.9	.8	.3	.1							4.4	5.8
SSW	1.2	1.0	1.2	1.1	.3							4.8	7.9
SW	1.4	2.4	.5	.5		.1	.1					5.2	6.7
WSW	1.0	1.2	.7	1.0	.3	.1						4.2	8.6
W	2.9	3.0	1.5	1.2	.1							8.7	5.9
WNW	1.6	1.8	1.9	3.0	1.0							9.3	9.6
NW	3.0	3.3	3.4	2.0	.4							12.1	7.2
NNW	2.9	4.5	4.5	1.2								13.1	6.6
VARBL													
CALM												11.0	
	21.4	32.4	19.7	12.8	2.3	.3	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

735

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

12-190 STATION PATUXENT RIVER NAS MD 79-81 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	1.6	4.0	2.7	1.0	.1							9.4	6.7
NNE	1.2	2.9	1.5									5.6	5.3
NE	1.4	.8	.4	.1								2.7	4.7
NNE	.8	1.2	.3									2.3	4.1
E	1.0	2.5	.4	.3								4.1	5.0
ESE	1.0	1.1	.5									2.6	4.3
SE	.7	1.5	1.1	.1								3.4	5.7
SSE	.4	1.6	1.0	1.0								4.0	7.3
S	.3	1.6	1.8	.8	.1							3.8	7.3
SSW	.9	1.2	1.8	.7								3.7	7.6
SW	.5	.8	2.3	1.1	.5	.1						5.5	10.0
WSW	.5	1.1	1.5	1.2	.4	.9						5.2	10.5
W	1.8	2.0	2.5	2.0	.5							8.5	8.8
WNW	1.2	1.8	4.0	2.5	.7							9.7	9.4
NW	.5	2.7	4.9	3.8	1.6							13.3	10.0
NNW	1.9	3.0	4.8	1.6	.3		.1					11.7	7.6
VARBL													
CALM												4.5	
	14.9	29.5	30.6	15.8	8.8	.5	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 732

2160

FEDERAL CLIMATOLOGY BRANCH  
NOAA/ETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

72-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
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	1.8	3.0	2.3	1.8	.3							9.2	7.3
NNE	.4	4.1	1.8									6.5	5.6
NE	.7	2.1	.4									3.2	5.0
ENE	.7	1.4	.3									2.3	4.9
E	1.7	1.0	.1		.1							2.9	4.5
ESE	1.2	2.8	.8	.1								5.0	4.9
SE	1.3	3.0	2.8	.4								7.2	6.6
SSE	.4	1.2	1.5	.7								3.9	7.3
S	.3	.6	1.1	.8	.3							3.0	10.0
SSW	.1	1.4	1.5	.8	.1							4.0	8.5
SW	.1	1.1	1.5	1.8	.3							4.8	9.9
WSW		.8	1.5	1.5	.8	.3	.3					5.2	12.7
W	.3	1.1	2.3	3.2	1.1							8.0	11.4
WNW	.4	1.4	2.5	4.1	.8	.4						9.6	11.6
NW	.6	1.4	4.7	5.5	1.2	.1						13.5	10.9
NNW	.7	3.3	4.0	1.2	.4							9.6	8.0
VARBL													
CALM												2.3	
	10.3	29.6	29.2	22.0	5.5	.8	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 727

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

79-81 PATUXENT RIVER NAS MD 79-81 JAN 1500-1700  
STATION STATION NAME YEARS MONTHS  
FORM (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.6	1.8	.5								6.4	5.9
NNE	2.1	2.7	1.1	.1								6.0	4.9
NE	1.1	2.3	.7									4.1	4.6
NNE	.8	.8	1.0									2.6	5.5
E	1.6	.7										2.3	2.9
ESE	1.8	1.5	.3									3.6	4.0
SE	1.6	2.5	3.0	.4								7.5	6.4
SSE	.5	1.9	3.6	.3								6.6	6.6
S	1.0	1.0	1.0	.7								3.6	6.9
SSW	.5	.5	1.1	1.1								3.3	8.5
SW	.4	.7	1.9	1.5	.3							4.8	9.6
WSW	.4	.7	1.2	2.3	.3	.1						5.1	10.7
W	.3	1.4	2.5	2.1	.5	.1						6.9	10.4
WNW	.1	1.2	4.1	3.3	.8	.1						9.7	10.6
NW	.5	2.6	4.1	4.3	.5							12.1	16.0
NNW	1.0	3.0	3.8	2.6	.5							11.0	8.5
VARBL													
CALM												4.4	
	15.6	26.2	31.1	19.2	3.0	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 729

21A1

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 U.S. WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 7400 PATUXENT RIVER NAS MD YEARS 74-81 MONTH JAN  
 CLASS ALL WEATHER PERIOD 1800-2000  
 HOURS (L.S.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.9	2.1	.7								8.0	6.1
NNE	1.7	.7	.6									2.9	4.0
NE	1.4	.8	.7	.1								3.0	5.0
ENE	.6	.8	.8									2.2	5.7
E	.7	.3	.1		.1							1.2	5.1
ESE	1.7	.5	.4									2.3	3.3
SE	1.2	1.8	.7									3.7	4.7
SSE	1.1	2.5	1.0	.4	.1							5.1	5.9
S	3.0	3.2	.4	.7	.1							7.4	4.7
SSW	1.0	.3	1.1	.1								3.0	5.9
SW	.4	1.4	1.8	.8	.1							4.5	8.4
WSW	.6	1.2	1.4	1.1	.4	.1	.1					5.0	9.8
W	1.4	1.8	1.4	1.0	.8							6.3	8.5
WNW	1.8	1.5	2.1	2.8	.8							8.9	9.2
NW	1.8	2.1	1.7	2.8	.7	.4						9.4	9.3
NNW	1.9	3.7	3.6	1.7	.3							11.1	7.3
VARB													
CALM												15.8	
	21.5	26.7	19.7	12.1	3.6	.6	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 727



FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 74-90 PATUXENT RIVER NAS MD YEAR 74-81 MONTH JAN  
 CLASS ALL WEATHER HOUR (L.S.T.) 1100-2300  
 OBSERVATION

SPEED (KNTS) DIR.	1-3	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	3.2	1.2	.8								7.1	5.8
NNE	1.2	1.4	.8									3.8	5.0
NE	.8	.8	.8									2.5	4.9
NNE	.5	.5	.1									1.2	4.3
E	1.0	.4	.5	.3								2.2	5.7
ESE	1.2	.4	.3									1.9	3.9
SE	1.2	1.5	1.1									3.8	4.7
SSE	1.9	2.5	.8	.3	.1							5.6	5.2
S	2.1	3.9	.7	.8								7.4	5.3
SSW	.7	1.2	.4	.4								2.7	6.4
SW	.7	.8	1.2	.7								3.4	7.2
WSW	.4	1.4	1.6	1.8	.5	.1						5.9	10.0
W	1.4	1.8	1.1	1.1	.4							5.8	7.5
WNW	1.4	1.5	1.9	3.8	1.0	.1						9.7	10.1
NW	1.2	2.1	2.5	2.5	.4	.4						9.1	9.3
NNW	4.8	3.6	3.4	2.6	.4	.1						15.0	6.7
VARBL													
CALM												12.8	
	22.5	27.3	18.7	15.1	2.9	.8						101.0	6.1

TOTAL NUMBER OF OBSERVATIONS 729

2162

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 74-40 PATUXENT RIVER NAS MD STATION NAME 74-81 YEARS JAN  
STATION STATION NAME YEARS MONTHS

CLASS ALL WEATHER CLASS

CONDITION ALL CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.1	2.2	1.0	.1							8.0	6.5
NNE	1.1	2.1	1.0	.2	.0							4.4	5.4
NE	.4	1.2	.4	.2	.0							2.8	5.1
ENE	.3	.9	.4	.0	.0							2.2	4.8
E	1.0	1.0	.4	.1	.0							2.5	4.9
ESE	1.0	1.1	.4	.1								2.6	4.5
SE	1.1	1.7	1.3	.1								4.2	5.6
SSE	1.0	1.7	1.3	.5	.1	.0						4.6	6.5
S	1.5	2.1	1.0	.5	.1							5.1	6.1
SSW	.7	.9	1.2	.7	.1	.0	.0					3.7	7.7
SW	.6	1.0	1.4	1.0	.2	.0	.0					4.3	8.6
WSW	.5	1.1	1.2	1.3	.4	.2	.1					4.8	10.1
W	1.4	2.0	1.9	1.6	.5	.0						7.4	8.1
WNW	1.3	1.5	2.6	3.4	.7	.1						9.7	9.8
NW	1.5	2.6	3.3	3.2	.8	.2						11.6	9.2
NNW	2.3	3.4	4.0	1.7	.3	.0	.0					12.2	7.1
VARBL													
CALM												9.8	
	18.4	28.0	24.3	15.6	3.2	.6	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 5850

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 NATIONAL WEATHER SERVICE/PAO

# SURFACE WINDS

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

STATION 47 PATUXENT RIVER NAS MD YEAR 73-80 MONTH FEB  
 CLASS ALL WEATHER HOUR 0000-0200  
 (L.S.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.5	3.1	1.0	.1							6.4	7.1
NNE	.6	1.6	1.5	1.2	.1							5.1	7.9
NE	.6	1.0	.7	.1	.1							2.7	6.8
ENE	.4	1.4	.6									2.8	5.2
E	1.0	.6	.6									2.2	4.3
ESE	.6	.6	.6	.1								1.9	5.2
SE	.6	1.6	.3									2.5	4.6
SSE	.9	2.1	.6									3.6	4.5
S	1.0	1.5	1.9	.4								4.9	6.6
SSW	1.2	1.8	2.1	1.2								6.3	7.1
SW	.4	.4	2.4	1.6								5.4	9.0
WSW	1.0	.6	.6	.6								2.8	6.2
W	.9	1.2	1.2	.6	.3							4.2	7.6
WNW	2.2	2.4	1.0	1.8	.7	.4						8.7	8.7
NW	2.4	3.1	3.1	3.0	.3							12.4	7.4
NNW	2.1	3.3	5.1	2.1	.3							12.8	7.8
VARBL													
CALM												15.3	
	18.1	26.7	25.5	13.9	2.1	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 670

21A

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 471 PATUXENT RIVER NAS MD YEAR 73-80 MONTH FEB  
 STATION NAME CLASS ALL WEATHER NUMBER (L.S.T.) 0300-0500  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.4	3.6	1.3								8.5	7.4
NNE	.7	1.2	1.9	1.0	.1							5.1	8.4
NE	.9	1.6	.7									3.3	5.1
ENE		1.2	.3	.1								1.6	6.2
E	.7	1.7	.9									2.7	5.3
ESE	.4	1.2	.1									1.8	4.6
SE	.4	1.2	.3									1.9	4.8
SSE	1.0	.9	.4									2.4	4.3
S	1.5	2.4	.6	.4								4.9	5.1
SSW	.4	1.2	2.1	1.5								5.7	8.6
SW	.6	1.2	1.3	1.5	.1	.1						4.7	8.6
WSW	1.5	.9	.9	.4		.1						3.7	6.5
W	1.8	2.2	1.0	.3								5.4	5.1
WNW	2.5	2.4	1.9	1.9	1.3	.1						10.3	8.6
NW	2.4	3.1	1.9	2.7	.1							10.3	7.6
NNW	3.1	3.9	5.7	2.2	.1							15.1	7.2
VARBL													
CALM												12.4	
	19.5	28.1	24.0	13.6	1.9	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 668

U.S. AIR FORCE  
 AIR FORCE CLIMATOLOGY BRANCH  
 AFM TAC  
 AIR FORCE FATHER SERVICE/MAC

# SURFACE WINDS

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

4. PATUMENT RIVER NAS MD 73-80  
STATION STATION NAME YEARS

ALL WEATHER  
CLASS

0600

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	1.1	2.7	3.0	.7								7.2
NNE	1.3	1.4	1.6	1.2								6.3
NE	.6	1.3	.6	.3								2.8
ENE	.1	1.5	.3	.3								2.2
E	.3	1.3	1.5	.1								3.2
ESE		.5	.4									1.5
SE	.5	1.1	.4	.1								1.9
SSE	.3	.9	.7	.1								2.1
S	1.2	.9	.7	.6								3.4
SSW	.5	.7	.7	1.2								3.3
SW	2.5	.9	2.4	1.9	.3							8.1
WSW	1.3	1.6	1.6	.1								5.2
W	2.1	1.1	.6	.1								3.9
WNW	1.3	2.2	2.2	1.6	1.0	.1						8.7
NW	2.8	3.7	2.7	2.7	.9							12.9
NNW	3.1	4.5	5.5	1.8	.1							14.1
VARBL												
CALM												12.9
	13.6	27.1	25.7	13.2	2.4	.1						104.0

TOTAL NUMBER OF OBSERVATIONS 668

2164

FEDERAL BUREAU OF SURFACE WEATHER SERVICE/CLIMATE DIVISION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541

# SURFACE WINDS

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

STATION: 40 PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: FEB  
 CLASS: ALL WEATHER MONTHS: 0900-1100  
 CONDITION: \_\_\_\_\_  
HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.5	4.4	2.1								4.9	8.1
NNE	.8	2.3	1.8	.3								5.1	6.1
NE	1.2	2.7	.8	.8	.2							5.6	6.3
ENE	.9	1.5	.6									3.0	5.3
E	.8	1.5	.8									3.0	5.0
ESE	.8	1.1	.9	.2								2.9	5.5
SE	1.2	.9	1.7	.6								4.4	6.7
SSE	.5	1.1	.9	.6								3.0	7.1
S	.2	.9	1.1	.6								2.7	8.1
SSW	.8	.5	1.1	2.0	.3							4.5	9.6
SW	.3	1.2	3.0	2.1								6.6	9.0
WSW	.5	.9	2.3	2.1	.6							6.3	10.2
W	1.1	1.4	.6	1.2	.2							4.4	7.4
WNW	.9	1.2	2.3	2.0	.5	.3						7.1	9.9
NW	.8	2.9	6.5	6.3	1.2	.3						17.9	10.4
NNW	.5	1.2	3.9	4.2	.6		.2					10.5	10.4
VARBL													
CALM												3.0	
	12.0	23.3	32.4	25.0	3.5	.6	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 669

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 MONTHS FEB  
 ALL WEATHER CLASS 1200-1400  
 CONDITION WOOD (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.4	2.6	3.3	1.2								8.5	7.0
NNE	.8	3.6	3.0	.6	.2							8.2	6.9
NE	.8	2.1	1.4	.8								5.0	6.8
ENE	.6	2.0	.8	.2								3.5	5.2
E	.9	1.7	.8									3.3	5.1
ESE	1.2	2.6	.2									3.9	4.2
SE	.9	3.0	3.2	1.7								6.8	7.4
SSE	.3	.8	2.7	.9	.2							4.8	8.8
S	.6	.2	1.1	.9	.2							2.9	8.8
SSW	.3	.6	1.7	1.1	.5							4.1	9.9
SW		.5	1.4	2.0	.5							4.2	11.7
WSW		.5	3.2	1.1	.3							5.0	10.1
W		.6	2.1	2.0	.2							4.8	10.7
WNW	.2	.9	1.7	2.1	.5	.3						5.6	10.9
NW		1.5	4.4	7.4	1.1	.2						14.5	11.6
NNW	.8	1.4	4.5	4.5	.9							12.1	10.3
VARBL													
CALM												.9	
	8.6	24.3	35.2	26.3	4.2	.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 662

21A5

METEOROLOGICAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEAR: 73-80      MONTH: FEB  
 STATION NAME: \_\_\_\_\_      YEAR: \_\_\_\_\_      MONTH: \_\_\_\_\_  
 CLASS: ALL WEATHER      HOUR: 1500-1700  
 CLASS: \_\_\_\_\_      HOUR: \_\_\_\_\_  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.0	2.8	.7								7.2	7.0
NNE	1.5	3.1	2.7	1.0								8.4	6.5
NE	1.3	3.4	.6	.4								5.8	5.3
ENE	1.3	.6	.7	.1								2.8	4.9
E	.7	1.8	.3									2.8	4.6
ESE	1.0	3.1	.6									4.8	4.6
SE	1.5	3.3	4.8	.9								10.4	7.1
SSE	.7	3.6	4.9	1.9								11.2	7.6
S	.3	.6	1.3	.1								2.4	7.1
SSW		.9	.7	1.8								3.4	10.0
SW			1.5	1.3	.3							3.1	11.4
WSW	.3	.6	1.3	.4	.1							2.8	8.8
W	.1	1.5	2.2	1.2	.1							5.2	8.8
WNW	.3	.4	2.1	1.6	.7	.3						5.5	12.0
NW	.4	1.2	5.5	4.2	1.3	.3						13.0	11.0
NNW	.6	1.0	5.1	3.3	.1							10.1	9.6
VARBL													
CALM												.9	
	10.9	28.2	37.3	19.3	2.8	.6						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 670



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

**SURFACE WINDS**

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

STATION PATUXENT RIVER NAS MD YEAR 73-80 MONTH FEB  
 ALL WEATHER CLASS 1800-2000  
 CONDITION       

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	3.9	2.6	.9								9.5	6.0
NNE	1.5	1.4	1.5	.2								4.5	5.4
NE	.6	1.1	.8		.5							2.9	7.4
ENE	.9	1.8	.9	.2								3.8	5.2
E	1.4	.3	.5									2.1	3.9
ESE	1.8	.6										2.4	2.8
SE	1.7	3.2	.9									5.7	4.6
SSE	1.8	5.3	2.9									9.9	5.5
S	2.0	4.1	1.5									7.5	4.8
SSW	.8	.9	2.3	.8								4.7	7.7
SW	.5	.8	.3	.6								2.1	6.9
WSW	.9	.6	.3	.6								2.3	6.7
W	.8	1.5	1.1		.2							3.5	6.0
WNW	.8	1.2	1.1	1.2	.6	.5						5.3	10.7
NW	.6	1.4	3.9	3.2	.3	.2						9.5	9.9
NNW	3.3	3.6	3.2	2.1								12.2	6.8
VARBL													
CALM												12.3	
	11.1	31.4	23.5	9.6	1.5	.6						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 685

2146

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 12040 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 73  
 ALL WEATHER  
 CLASS  
 CONDITION

2100-2200

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	20+	%	
N	1.1	2.4	2.6	1.4									
NNE	.9	1.5	2.0	.5	.2								
NE	.9	1.1	1.1	.2	.2								
ENE	.3	1.1	.2	.2									
E	.6	1.2											
ESE	.6	.5	.2										
SE	1.4	1.8	1.1										
SSE	1.2	1.7	1.7	.2									
S	2.0	4.1	1.8	.5									
SSW	1.2	3.2	2.7	.3									
SW	.9	.5	1.1	1.5	.3								
WSW	.3	.5	.5	.6									
W	.6	.8	1.1	.8	.2								
WNW	2.3	1.4	1.7	1.4	.9		.3						
NW	2.7	2.0	3.5	3.2	.6	.2							
NNW	1.8	3.5	4.7	1.7	.3								
VARBL													
CALM													
	18.7	26.8	25.5	12.0	2.6	.2	.3						

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION NO. PATUXENT RIVER NAS MD STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH FEB  
 ALL WEATHER CLASS ALL HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	3.2	1.2	.0							8.3	7.1
NNE	1.0	2.1	2.0	.8	.1							5.9	6.9
NE	.9	1.8	.8	.3	.1							3.9	6.2
NNE	.6	1.4	.5	.1								2.7	5.4
E	.8	1.2	.7	.0								2.7	5.0
ESE	.8	1.3	.4	.0								2.6	4.6
SE	1.0	2.0	1.6	.4								5.0	6.2
SSE	.8	2.0	1.9	.5	.0							5.2	6.5
S	1.1	1.8	1.3	.5	.0							4.6	6.1
SSW	.7	1.2	1.7	1.2	.1							4.9	8.1
SW	.7	.7	1.7	1.6	.2	.0						4.8	9.0
WSW	.8	.8	1.3	.8	.1	.0						3.8	8.0
W	.9	1.3	1.2	.8	.1							4.3	7.3
WNW	1.3	1.5	1.7	1.7	.8	.3	.0					7.4	9.6
NW	1.6	2.4	3.9	4.1	.7	.1						12.8	9.4
NNW	1.8	2.8	4.7	2.7	.3		.0					12.4	8.2
VARBL													
CALM												8.7	
	15.9	27.0	28.6	16.6	2.6	.4	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5331

21A7

FEDERAL BUREAU OF SURVEY  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 NATIONAL WEATHER SERVICE/MAC

### SURFACE WINDS

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

7240ND  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.3	2.2	.8	.3							6.8	6.8
NNE	1.0	2.0	.8	.8	.3							4.9	7.1
NE	.3	1.2	.9	.4								2.3	6.1
ENE	1.1	.7	.3	.1								2.2	4.5
E	1.5	1.0	1.0									3.4	4.9
ESE	1.4	1.8		.1								3.3	4.3
SE	1.1	1.4	1.5	.1								4.1	5.6
SSE	1.8	2.4	2.4	.3								6.9	5.8
S	.8	2.7	3.4	2.4								9.4	7.9
SSW	1.0	.5	3.7	1.1								6.2	8.1
SW	.7	1.0	2.0	1.4								5.0	7.8
WSW	.5	.5	1.1	.8								3.0	8.0
W	2.0	.7	1.2	.8								4.8	6.3
WNW	1.9	1.6	1.0	2.6	.5		.1					7.7	8.9
NW	1.4	1.0	3.7	2.2	.4							8.6	9.0
NNW	1.5	3.7	3.4	1.5								10.1	7.0
VARBL													
CALM												11.4	
	19.0	24.5	28.0	15.5	1.5		.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 736

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

3300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	2.3	.8	.1							6.8	7.1
NNE	.7	1.9	1.1	.3	.3							4.3	7.1
NE	1.0	1.5	.6	.3								3.3	5.5
NNE	1.0	1.4	.4									2.8	4.5
E	1.0	2.3	1.4									4.7	5.5
ESE	.6	.8	.6	.1								2.1	5.4
SE	1.4	1.1	1.0									3.5	5.1
SSE	.6	1.7	1.9	1.5								5.7	8.0
S	1.0	.8	2.3	1.1								5.2	7.6
SSW	.8	1.1	1.5	2.3	.3	.1						6.2	9.2
SW	1.1	1.5	1.8	.8								5.2	6.9
WSW	.6	1.0	1.4	.7	.1							3.7	7.5
W	1.4	1.1	1.7	1.2								5.4	7.5
WNW	2.1	1.7	1.5	1.9	.1							7.3	7.5
NW	1.7	2.5	2.3	1.2	.7							8.4	7.8
NNW	2.1	3.9	5.8	.8								12.6	6.8
VARB													
CALM												12.6	
	17.8	26.7	27.6	13.3	1.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

724

2168

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD YEARS: 73-80 HAW: 0600-0800  
STATION NAME CLASS HOUR (L.E.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	≥36	%	MEAN WIND SPEED
N	1.4	3.3	2.6	1.2								6.6	6.8
NNE	.4	1.9	1.0	.7								3.9	7.1
NE	1.0	1.4	1.4	.4								4.1	6.5
ENE	.6	1.4	.7	.7								3.3	6.7
E	.7	2.8	1.4	.3								5.1	5.9
ESE	1.0	.7	.7	.3								2.6	5.7
SE	1.7	2.1	.8	1.0								5.5	6.0
SSE	.7	1.5	1.5	.7	.1							4.6	7.6
S	1.1	.8	1.9	1.4								5.3	8.0
SSW	.6	.6	2.5	2.1	.1							5.8	9.4
SW	.4	1.7	2.1	1.5	.3							5.9	9.0
WSW	.7	.6	1.0	.4								2.6	6.3
W	1.7	2.1	1.8	1.2	.1							6.9	6.9
WNW	1.0	1.0	1.9	3.0								6.9	9.3
NW	1.4	1.2	2.5	1.4	.7	.4						7.6	9.3
NNW	1.7	2.8	4.8	1.8	.1							11.2	7.5
VARBL													
CALM												10.0	
	15.8	25.6	28.6	18.1	1.5	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 723

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 73040 PATUXENT RIVER NAS MD STATION NAME 73-00 YEARS MAR  
 CLASS ALL WEATHER MONTHS 0900-1100  
 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	1.2	2.9	2.3	1.4								7.8	7.0
NNE	1.5	3.0	2.6	.8								7.9	6.2
NE	.4	3.0	.5	.1								4.1	5.5
ENE	.8	1.2	1.4	.5								4.0	6.9
E	.8	1.4	1.4	.4								4.0	6.1
ESE	1.0	2.2	1.5	.4								5.1	6.3
SE	.7	3.7	2.3	.8								7.5	6.7
SSE		1.2	.5	1.4	.4							3.6	10.0
S	.3	1.2	1.8	1.5	.3							5.1	9.4
SSW	.7	.4	2.2	2.3	.7							6.3	10.4
SW	.3	1.1	1.8	1.8	.4							5.3	10.5
WSW	.5	1.1	1.8	1.0	.1							4.5	7.8
W	.4	.5	1.2	1.0	.5							3.7	9.9
WNW	.5	1.2	3.6	2.9	.5	.1						8.9	10.2
NW	.1	1.5	3.8	4.9	1.0	.3						11.6	11.3
NNW	.7	1.0	3.3	3.4	.1	.1						8.6	10.1
YARBL													
CALM												2.2	
	10.0	26.6	32.0	24.6	4.1	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 732

2149

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAR  
 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	1.4	2.5	1.9	2.0								7.8	7.4
NNE	.7	3.8	3.3	.7								8.5	6.7
NE	.7	2.6	1.6	.4								5.3	6.1
ENE	.4	1.8	.8	.5								3.6	6.8
E	.8	2.6	1.1									4.5	5.2
ESE	.4	3.0	2.7	.1								6.3	6.7
SE	.5	4.5	5.5	1.8	.3							12.3	8.0
SSE	.4	1.6	2.5	3.3	.3							8.1	9.5
S	.4	1.0	.5	1.2	.3							3.4	9.6
SSW	.3	.3	1.0	1.6	.3	.1						3.6	11.5
SW	.3	.7	2.5	2.0	.5							6.0	10.7
WSW	.1	.1	.5	1.2	.3	.3						2.6	12.7
W	.5	.5	1.4	1.0	.7	.1						4.0	11.4
WNW		1.0	2.6	4.0	.8							8.3	11.7
NW	.3	1.0	1.6	4.1	1.9	.1						9.0	12.6
NNW	.7	1.1	1.4	2.2	.8							6.1	10.6
VARBL													
CALM												.7	
	7.4	28.0	30.9	26.2	6.1	.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 732



FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 U.S. WEATHER SERVICE/MAO

# SURFACE WINDS

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

STATION 72040 PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR 1900-1970 MONTH 1900-1970  
 CLASS ALL WEATHER  
 COUNTY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	2.6	1.5								7.1	7.6
NNE	.4	3.2	3.0	.4								7.0	6.5
NE	.3	1.4	1.6	.3								3.6	7.2
ENE	.7	1.4	.3	.3								2.6	5.6
E	1.0	1.8	.4									3.2	4.6
ESE	.8	3.4	2.1	.4								6.7	6.3
SE	.7	4.5	8.1	1.1		.1						14.4	7.6
SSE	1.4	2.3	7.5	3.6	.3							15.1	8.6
S	.4	.4	1.4	.4	.3							2.9	8.6
SSW		.3	1.2	1.0	.3							2.7	10.9
SW			1.8	1.1	.1							3.0	10.8
WSW	.5		1.5	1.0	.1	.4						3.3	11.8
W	.1	.4	1.6	2.2	.1							4.5	10.3
WNW	.3	.8	1.0	2.7	.8							5.6	11.8
NW	.7	2.2	2.3	3.6	.8	.4						10.3	10.6
NNW	.8	1.0	1.8	2.6	.9	.1						6.7	10.2
VARBL													
CALM												1.5	
	7.1	24.6	38.1	22.1	3.3	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 729

2150

FEDERAL BUREAU OF METEOROLOGY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 471 PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAR  
 STATION NAME PATUXENT RIVER NAS MD CLIMATE ALL WEATHER MONTH 1800-2000  
 CLIMATE ALL WEATHER HOUR (L.S.T.) 1800-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	2.6	.5	.1	.1						7.5	6.9
NNE	1.1	1.4	1.5	.4	.1							4.5	6.9
NE	.7	.4	.4	.1								1.6	5.5
ENE	.5	.3	.3	.1								1.6	5.3
E	1.1	1.5	1.4	.1								4.1	5.7
ESE	1.0	.5	.7	.3								2.5	5.8
SE	1.4	5.3	2.9	.4								10.0	6.0
SSE	2.9	5.8	7.1	2.2								17.6	6.7
S	1.3	2.7	2.6	.7								7.8	6.1
SSW	.5	1.1	.8	.3	.1							2.9	7.0
SW	1.1	.7	1.2	.8								3.8	6.9
WSW	.4	.7	.4	.8	.3	.1						2.7	4.7
W	.5	1.0	.4	.8	.3	.1						2.9	8.1
WNW	.5	.7	1.1	1.2	1.0							4.5	10.4
NW	1.0	.7	2.5	2.5	.4	.1						7.1	4.9
NNW	1.5	2.3	2.6	1.9	.5							8.9	8.4
VARBL													
CALM												9.3	
	17.7	25.1	28.4	13.3	2.6	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 729

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

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEAR: 75-80      MONTH: MAR

ALL WEATHER CLASS      2100-2300 HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.8	2.6	.7	.1	.3						7.1	7.5
NNE	.3	1.4	1.9	.8	.1							4.5	8.4
NE	.5	.8										1.4	3.5
ENE	1.0	.5	.5	.1								2.2	4.8
E	.5	1.2	1.1									2.9	5.6
ESE	.7	1.9	.8									3.4	5.2
SE	1.6	2.7	2.6	.4								7.4	6.3
SSE	1.4	4.5	3.1	1.0								10.0	6.4
S	3.0	3.3	3.3	1.6								11.2	6.5
SSW	1.4	1.4	2.0	1.2								6.0	6.8
SW	.4	.1	1.0	1.0								2.5	8.7
WSW	1.2	.7	.5	.3	.1							2.9	6.2
W	.4	1.0	.5	.7	.3	.1						3.0	9.2
WNW	1.9	1.8	1.2	1.9	.7							7.5	8.6
NW	1.5	1.8	2.3	2.9	.5							9.3	9.2
NNW	1.5	2.2	2.9	1.8	.4							8.7	8.1
VARBL													
CALM												10.5	
	19.0	27.0	26.5	14.3	2.3	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 733

2101

CENTRAL CLIMATOLOGY BRANCH  
 USFETAC  
 WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION PATUXENT RIVER NAS MD YEAR 73-80 MONTH ALL  
 STATION NAME PATUXENT RIVER NAS MD CLASS ALL WEATHER MONTH ALL  
 CONDITION \_\_\_\_\_  
 NUMBER (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.4	1.1	.1	.1						7.4	7.1
NNE	.8	2.3	1.9	.6	.1							5.7	6.9
NE	.5	1.5	.8	.3								3.2	5.9
ENE	.8	1.1	.6	.3								2.8	5.8
E	.9	1.3	1.1	.1								4.0	5.5
ESE	.8	1.8	1.1	.2								4.0	5.8
SE	1.1	3.2	3.1	.7	.0	.0						8.1	6.7
SSE	1.1	2.6	3.3	1.7	.1							9.0	7.6
S	1.1	1.6	2.2	1.3	.1							6.3	7.6
SSW	.7	.7	1.9	1.5	.2	.0						5.0	9.0
SW	.5	.8	1.8	1.3	.2							4.6	8.9
WSW	.5	.6	1.0	.8	.1	.1						3.2	8.7
W	.9	.9	1.2	1.1	.2	.1						4.4	8.5
WNW	1.0	1.2	1.7	2.5	.6	.0	.0					7.1	9.7
NW	1.0	1.5	2.6	2.8	.8	.2						8.9	10.1
NNW	1.3	2.2	3.2	2.0	.3	.0						9.1	8.3
VARBL													
CALM												7.3	
	14.5	26.4	30.0	18.4	2.9	.5	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5838

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AIR AND WATER SERVICE/MAL

### SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEAR 73-80 MONTH APR  
 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 MONTH APR  
 ALL WEATHER ALL WEATHER HOURS (L.S.T.) 0000-0200  
 CLASS ALL WEATHER  
 CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.7	1.5	1.0								5.8	6.8
NNE	.6	1.0	1.1		.1							3.1	6.2
NE	.5	.6	.3		.1		.1					1.4	8.7
NNE	.5	.5	.7	.1								1.4	6.8
E	1.0	2.3	1.4	.1								4.8	5.6
ESE	.2	1.2	.6	.1								2.5	5.4
SE	.6	1.3	.8	.1								2.8	5.6
SSE	1.0	3.1	2.1	.4								6.6	5.9
S	2.4	3.5	.7	1.1								6.0	5.7
SSW	.7	1.3	3.7	1.7								7.3	8.3
SW	.8	2.4	3.9	1.5	.1							8.9	8.0
WSW	1.4	.8	1.5	1.0								4.8	7.0
W	1.3	3.1	2.0	.8								7.2	6.2
WNW	2.4	3.0	2.1	.6	.6	.1						8.7	6.9
NW	1.5	2.0	2.5	2.7	.1	.1						9.0	8.3
NNW	1.0	2.3	2.0	1.0	.3							6.5	7.5
VARBL													
CALM												11.1	
	17.9	29.7	27.0	12.4	1.4	.3	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 710

2152

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

### SURFACE WINDS

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

72-040 STATION PATUXENT RIVER NAS MD 73-80 YEAR APR MONTH  
 ALL WEATHER CLASS 0300-0500 HOUR (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	1.7	.6								5.6	6.0
NNE	.8	1.3	.6	.4								3.1	6.5
NE	.8	1.7	.3									2.8	4.7
ENE	.4	.8	.6	.3								2.1	6.7
E	.7	2.3	1.8	.1								4.9	6.2
ESE	1.1	.6	.1	.1								2.0	3.9
SE	1.1	.6	.1									1.8	3.9
SSE	1.1	1.6	.8	.8								4.4	6.3
S	1.3	.6	.7	.4								3.0	5.4
SSW	.7	1.6	2.1	1.8								6.2	7.9
SW	.7	2.5	2.5	3.1								8.9	8.6
WSW	1.1	.7	2.3	.7								4.8	7.3
W	2.3	4.1	2.1	.8								9.3	5.8
WNW	2.4	3.4	2.0	.7	.3	.6						9.3	7.2
NW	2.5	2.5	2.1	2.8								10.0	7.3
NNW	1.7	2.8	1.8	.4	.4	.1						7.3	6.7
VARBL													
CALM												14.4	
	19.9	29.3	21.7	13.3	.7	.7						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 709

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724 49  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0600  
GROUP (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.1	.9	.1	.1						4.7	7.9
NNE	.3	1.4	1.6	.4								3.7	7.1
NE	.6	2.8	.9	.1								4.4	5.5
ENE	.9	.9	.4	.9	.1							3.1	7.5
E	.4	1.7	2.0	.6								4.7	7.2
ESE	.7	.6	.7			.1						2.1	6.5
SE	.7	1.1	.7									2.6	4.9
SSE	.7	1.1	2.0	.3								4.1	6.5
S	.3	.9	1.0	.1	.3							2.6	8.1
SSW	.7	1.1	1.6	1.3								4.7	7.6
SW	.9	1.4	2.3	1.7	1.0							7.3	9.8
WSW	1.3	1.0	1.7	2.0								6.0	8.3
W	1.3	3.4	2.7	.4	.1							8.0	6.4
WNW	2.8	3.7	3.7	1.4		.4						12.1	6.9
NW	2.0	3.3	3.6	3.8								12.7	8.3
NNW	1.1	2.6	2.8	1.1	.1							7.8	7.4
VARB.													
CALM												9.4	
	15.4	28.8	28.8	15.1	1.9	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 702

2153

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

APR  
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	.4	5.3	2.9	1.0	.3	.3						8.1	6.2
NNE	.4	2.6	1.8	.4	.1							5.4	7.3
NE	.1	1.6	2.0	.6								4.3	7.3
NNE	.6	2.7	.6	.4	.1							3.7	6.7
E	.6	2.7	.7	.4								4.4	6.2
ESE	.7	3.3	1.6	.1								5.7	5.5
SE	.9	1.3	3.3	.9								6.2	7.5
SSE	.4	1.6	1.4	1.6								5.0	7.9
S	.4	1.3	1.3	1.1								4.1	7.6
SSW	.1	.6	1.3	2.3		.1						4.4	10.8
SW	.6	.6	1.6	2.8	.3	.4						6.2	11.1
WSW	.3	1.3	1.8	1.7	.4	.1						5.7	10.0
W	.3	1.6	1.6	1.8		.1						5.4	9.3
WNW	.7	2.3	3.8	1.8	.1	.3	.1					9.2	9.2
NW	.4	2.8	4.5	5.4	.3		.1					13.6	10.1
NNW	.4	1.7	2.8	2.4	.1							7.5	9.2
VARBL													
CALM												1.1	
	7.4	30.2	32.9	24.8	1.8	1.4	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

705



FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 73-40 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS APR  
 CLASS ALL WEATHER MONTHS 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	.5	2.8	1.7	1.1	.5							6.2	7.6
NNE	1.4	2.0	2.3	.8								6.5	6.6
NE	.7	2.8	2.1	.7								6.3	6.7
NNE	.6	1.3	.8	.1	.4							3.2	7.4
E	.7	2.0	1.5	.4								4.6	6.6
ESE	.6	4.2	3.0	.4								8.2	6.4
SE	.7	2.5	8.0	2.8								14.1	8.3
SSE	.4	1.0	3.0	3.2	.1							7.7	9.9
S	.1		.8	1.5								2.5	10.6
SSW	.3	.3	.4	1.3	.3							2.5	10.9
SW			1.0	2.3	.4							3.7	13.1
WSW	.1	.3	1.7	2.0	.3	.4						4.8	12.1
W		.5	2.0	2.5	.7							5.5	12.4
WNW		.7	1.8	2.7	.4	.1	.4					6.2	12.5
NW	.1	.8	4.6	5.2	1.0	.1						12.0	11.1
NNW	.4	1.1	2.4	1.4	.1		.1					5.6	9.5
VARBL													
CALM												.3	
	6.5	22.1	37.2	28.6	4.1	.7	.6					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 710

2154

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 720040 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH APR  
 CLASS ALL WEATHER MONTHS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.1	2.4	.7	.1							6.5	6.9
NNE	.3	2.7	2.0	.7								5.7	7.2
NE	.6	1.7	.3	.3								2.8	5.9
ENE	.4	.3	.3	.1	.3							1.4	8.1
E	.4	2.0	.6	.3	.1							3.4	6.3
ESE	.7	3.1	2.0	.1		.1						6.1	6.3
SE	.7	4.4	6.5	2.8								14.4	7.9
SSE	.6	3.1	7.5	6.5	.4							18.1	9.6
S		.7	2.1	.8	.1							3.8	9.6
SSW		.1	.6	1.1	.3							2.1	12.1
SW		.1	.6	1.3	.4							2.4	12.8
WSW		.4	1.6	.8	.3	.1						3.3	11.2
W		.4	2.5	2.0	.4	.1	.4					5.9	12.9
WNW		.6	2.4	1.4	.3	.3						5.0	11.0
NW	.4	1.0	4.0	5.4	.6	.3						11.6	11.2
NNW	.8	.4	2.3	2.1	.3	.1	.1					6.2	10.3
VARBL													
CALM												1.1	
	6.2	23.1	37.5	26.6	3.7	1.1	.6					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 706

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

720140 STATION PATUXENT RIVER NAS MD 73-80 YEAR APR MONTH

ALL WEATHER CLASS

1960-2000 PERIOD (L&T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	2.0	.6								5.2	6.4
NNE	1.4	1.2	1.0	.1								3.7	5.1
NE	.6	.9	.4	.4								2.3	6.6
NNE	.7	.4	.4	.1								1.7	5.2
E	.7	.6	.4	.4								2.2	6.3
ESE	.7	.6	1.2	.4								2.9	6.4
SE	1.4	3.3	1.9	1.2								7.8	6.3
SSE	2.7	8.1	7.6	2.3								20.7	6.7
S	2.3	4.6	4.6	1.4	.1							12.8	6.8
SSW	.9	.4	.7	.4	.1							2.6	7.2
SW	.1	.6	1.0	.9	.1							2.7	9.3
WSW		1.0	.4	.1	.6							2.2	9.7
W	1.0	1.2	2.4	1.0		.1	.1					5.9	8.4
WNW	.6	1.2	.7	1.9	.4	.4						5.2	10.7
NW	.7	1.6	2.6	2.4	.4		.1					7.9	9.9
NNW	1.0	2.2	1.6	1.4	.4	.3						6.9	8.6
VARBL													
CALM												7.3	
	16.0	28.9	29.1	15.3	2.3	.9	.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 695

2155

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 APP APR  
STATION NAME YEARS MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.1	1.8	.4								5.7	6.1
NNE	1.1	1.0	.9	.1		.1						3.3	6.3
NE	.4	1.1		.1								1.7	5.1
ENE	.6	.6	.6									1.7	5.3
E	.4	1.3	1.6									3.3	6.6
ESE	1.3	1.3	1.0	.4								3.4	6.0
SE	1.0	2.3	.9		.1							4.3	5.3
SSE	1.4	4.3	3.8	.6	.1							10.2	6.4
S	2.7	5.8	3.8	.7								13.1	5.8
SSW	2.1	2.1	3.4	1.8								9.5	6.9
SW	1.4	1.7	1.0	1.1								5.3	6.5
WSW	.7	.6	.6	.4	.1							2.4	7.5
W	.6	1.7	1.7	1.0								5.0	7.4
WNW	1.7	1.1	1.6	1.1	.3	.6	.1					6.5	9.3
NW	1.6	.6	3.3	1.6	.3							7.3	8.4
NNW	1.1	1.4	3.4	1.0	.1	.1						7.3	7.9
VARBL													
CALM												10.1	
	19.3	28.6	29.3	10.5	1.1	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 703

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2150 PATUXENT RIVER NAS MD YEAR: 73-80 MONTH: APR  
 STATION NAME: PATUXENT RIVER NAS MD CLAS: ALL WEATHER  
 CLAS: ALL  
 CONDITION: ALL  
 MONTH (L.C.Y.): APR

SPEED (KNTS) DIR.	1 - 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	2.1	1.9	.8	.1	.1						6.0	7.1
NNE	.8	1.6	1.4	.4	.0	.0						4.3	6.6
NE	.5	1.6	.8	.3	.0		.0					3.3	6.3
NNE	.5	.8	.5	.3	.1							2.3	6.8
E	.6	1.8	1.3	.3	.0							4.0	6.4
ESE	.9	1.9	1.3	.2		.0						4.1	6.0
SE	.9	2.1	2.8	1.0	.0							6.8	7.1
SSE	1.0	1.0	3.5	2.0	.1							9.6	7.7
S	1.2	2.2	1.9	.9	.1							6.2	6.8
SSW	.7	.9	1.7	1.5	.1	.0						4.9	8.4
SW	.6	1.2	1.7	1.8	.3	.1						5.7	9.4
WSW	.6	.8	1.5	1.1	.2	.1						4.2	9.1
W	.8	2.0	2.1	1.3	.2	.1	.1					6.5	8.3
WNW	1.3	2.0	2.3	1.5	.3	.4	.1					7.8	8.8
NW	1.2	1.9	3.4	3.7	.3	.1	.0					10.5	9.4
NNW	1.0	1.8	2.4	1.4	.2	.1	.0					6.9	8.3
VARBL													
CALM												6.9	
	13.6	27.6	30.4	18.5	2.1	.8	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5640

2150

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 40 PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: MAY  
STATION NAME YEARS MONTH  
 ALL WEATHER 5000-1200  
CLASS HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	1.0	.1								3.4	5.1
NNE	.5	.8	1.5	.3	.1							3.3	7.6
NE	.5	1.9	.8	.1								3.4	5.4
ENE	.7	.8	.5	.1								2.2	5.8
E	1.0	1.4	.7									3.6	4.8
ESE	.9	1.5	.7	.1								3.1	5.7
SE	.9	2.0	1.2	.1								4.2	5.7
SSE	2.5	2.3	1.8	.4								6.6	5.5
S	3.7	4.5	4.1	1.1								13.4	5.9
SSW	1.2	2.9	3.0	1.5	.3							6.9	7.7
SW	1.6	2.2	3.7	1.1	.1							6.7	7.0
WSW	1.1	1.2	1.1	.7								4.0	6.4
W	2.3	2.6	1.1	.3								6.3	4.7
WNW	1.4	1.9	1.4	.5								5.2	6.0
NW	2.6	2.0	.7	.3								5.6	4.6
NNW	1.4	1.4	2.3	.8								5.9	6.6
VARBL													
CALM												12.3	
	22.7	51.5	25.5	7.7	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 732

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/MAAC

# SURFACE WINDS

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

STATION: PATUENT RIVER NAS MD STATION NAME: YEARS: 75-80 MONTH: MAY  
 CLASS: ALL WEATHER HOURS (L.S.T.): 1300-0500  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.7	1.9	.1								5.3	5.9
NNE	.7	1.7	2.3	.4								5.1	6.6
NE	.7	1.7	.6	.3								2.5	6.2
ENE	1.0	1.0	.5	.6								2.8	6.1
E	1.3	.8	1.0									2.5	5.2
ESE	.6	.8	1.0									2.3	5.7
SE	1.0	1.4	1.4	.1								3.9	5.8
SSE	1.5	1.2	1.7	.6								5.0	6.2
S	1.4	2.1	1.7	.3								5.4	5.7
SSW	1.5	2.5	4.8	1.2	.1							10.2	7.6
SW	1.5	1.5	2.8	1.5								7.3	7.0
WSW	1.8	1.5	.8	.9								4.6	5.0
W	3.4	3.0	1.5	.1								6.1	4.6
WNW	2.3	2.6	.8									5.8	4.2
NW	3.0	2.5	1.5	1.2								8.3	5.7
NNW	1.9	2.6	2.2	.3								7.0	5.6
VARBL													
CALM												14.3	
	24.7	27.6	26.1	7.2	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 725

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.6	1.5	.4								6.1	5.5
NNE	.3	3.3	1.8	.7								6.6	6.2
NE	.4	1.4	1.0	.1								3.3	5.6
ENE	.4	1.5	1.2									3.2	5.7
E	1.1	1.4	1.1	.1								3.7	5.6
ESE	.3	1.1	.6	.1								2.1	6.1
SE	1.1	1.2	1.0	.1								3.5	5.2
SSE	1.2	2.2	1.4	.3	.1							5.2	6.1
S	2.2	2.3	1.5	.4	.1							6.6	5.6
SSW	.4	1.9	3.2	1.5	.1							7.6	7.9
SW	1.1	2.2	3.9	1.8	.1							9.1	7.9
WSW	.4	1.7	2.6	.3								5.5	6.8
W	1.9	4.1	1.8	.6								8.4	5.6
WNW	1.7	3.5	1.9	.7								7.7	5.9
NW	2.2	1.5	1.7	.8	.1							6.4	6.2
NNW	1.5	4.3	2.6	.6								9.3	5.9
VARBL													
CALM												5.5	
	13.8	36.7	28.7	8.6	.7							110.0	5.4

TOTAL NUMBER OF OBSERVATIONS

724



FEDERAL BUREAU OF METEOROLOGY  
 METEOROLOGICAL  
 WEATHER SERVICE/MAL

# SURFACE WINDS

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

STATION 41 PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR MAY  
 CLASS ALL WEATHER MONTH 1950-1951  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	4.0	.5								1.5	5.1
NNE	1.5	4.2	3.0	.7								10.1	5.8
NE	.6	1.6	1.1									3.0	5.2
ENE	.4	1.2	.4									2.0	5.0
E	1.1	3.1	1.6	.1								5.9	5.5
ESE	1.1	3.0	1.5	.4								5.7	7.7
SE	.7	2.9	5.9	.5								10.0	7.3
SSE	.5	1.4	2.5	1.0								5.1	7.9
S	.4	1.2	1.5	1.0								4.1	7.3
SSW	.1	1.2	3.7	1.4								6.4	8.5
SW	.5	.8	2.0	1.9	.3							5.6	9.4
WSW	.3	1.0	2.6	.7								4.5	8.2
W	.8	1.4	2.3	1.4	.1							6.0	8.1
WNW	1.3	1.4	2.2	.4								5.3	6.7
NW	.3	1.9	3.1	1.9	.3	.1						8.2	8.7
NNW	.7	1.8	1.2	.7								4.4	6.6
VARBL													
CALM												1.5	
	12.8	33.3	38.8	12.6	.7	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 732

FEDERAL BUREAU OF METEOROLOGY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEARS: 73-80      MONTH: MAY

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	1.0	4.5	2.3									7.7	5.5
NNE	.7	4.3	2.6	.8								8.4	5.4
NE	.8	3.9	.8	.1								5.6	5.3
ENE	.3	.7	.7									1.6	6.0
E	.4	1.4	1.1	.3	.1							3.3	7.2
ESE	.7	3.8	3.0	.5								8.0	6.5
SE	.4	5.4	7.6	3.4	.3							17.1	8.4
SSE	.4	2.3	7.1	3.7	.1							13.6	9.1
S		1.1	1.4	1.0	.1							3.5	9.4
SSW	.1	.1	1.4	1.2	.4							3.3	11.0
SW	.1	1.0	1.6	1.0	.1							3.8	9.1
WSW		1.1	2.2	1.2	.1							4.6	9.7
W	.7	.5	1.4	.7								3.3	7.7
WNW	.5	1.6	2.2	.8								4.4	8.0
NW	.4	1.0	2.4	2.0	.3							6.1	9.7
NNW	.4	1.4	1.4	.5	.1							3.8	8.0
VARBL													
CALM												1.4	
	6.7	34.0	39.0	17.3	1.8							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 736

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAY  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.4	1.4	.5								6.7	5.1
NNE	1.6	4.5	2.5	.3								3.9	5.6
NE	1.1	1.6	.4	.3								3.4	5.2
ENE	1.0	1.2	.5									2.7	4.9
E	.8	.7	.4	.5								2.5	5.9
ESE	.4	3.5	2.7	.3								7.0	6.4
SE	.7	4.7	6.6	2.9								14.8	8.0
SSE	.4	4.3	9.3	6.9	.3							21.2	9.5
S	.1	1.1	2.2	2.2	.1							5.8	9.5
SSW	.3	.3	1.6	1.0								3.2	9.1
SW		.3	1.2	1.5	.1							3.7	9.9
WSW	.3	.4	1.9	.4								3.3	8.1
W	.3	1.3	1.9	.5								3.7	7.9
WNW	.1	.7	1.1	.4	.5							2.9	10.0
NW	.4	1.4	2.5	1.2	.1							5.6	8.2
NNW	.3	1.4	1.6	.7	.3							4.3	8.3
VARBL													
CALM												.5	
	9.5	31.0	33.0	19.4	1.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 729

2159

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEARS: 73-80      MONTH: MAY  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 1800-2000  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.1	.4								6.2	4.6
NNE	1.9	1.5	.6	.3	.1							4.4	4.9
NE	.6	.6	.7	.1								1.9	5.6
ENE	.7	1.7	1.1									2.8	5.6
E	1.0	1.0	1.4									3.3	5.7
ESE	1.5	1.5	.8	.3								4.1	5.0
SE	2.2	4.1	1.8	.6								8.6	5.4
SSE	1.9	7.9	8.4	2.2								23.4	7.2
S	2.9	6.2	4.7	1.4								15.2	6.1
SSW	.3	1.9	1.1	.4								3.7	6.4
SW	1.4	2.2	1.2	.6								5.4	5.9
WSW	.4	1.2	.6	.6								2.8	6.8
W	1.4	.4	.3									2.5	4.2
WNW	.8	1.1	.7									2.6	5.0
NW	1.4	1.0	.3	.3								2.9	5.0
NNW	1.0	1.5	1.4	.1								4.0	5.7
VARBL													
CALM												9.2	
	22.3	35.0	26.1	7.2	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 725

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION: PATUXENT RIVER NAS MD      YEAR: 73-80      MONTH: MAY  
 ALL WEATHER      2100-2300  
 CLASS:      HOURS (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.5	.1								2.9	4.8
NNE	.5	.3	.8	.1								1.8	6.2
NE	.3	1.4	1.1									2.7	6.0
ENE	1.0	.7	1.0									2.6	4.8
E	.4	2.1	1.8									4.2	6.3
ESE	1.2	1.0	.8	.1								5.2	5.1
SE	1.0	2.7	1.4	.1								5.2	5.7
SSE	2.9	4.4	3.3	1.0								11.5	6.0
S	5.9	6.3	5.3	.8								18.2	5.4
SSW	2.9	2.3	2.1	.4								7.7	5.3
SW	1.5	3.4	1.8	.5								7.3	5.8
WSW	1.4	1.9	.5	.5								4.4	5.6
W	1.8	1.1	1.5									4.4	5.0
WNW	1.4	1.6	1.0									4.0	4.9
NW	1.5	.8	.5	.3								3.2	4.9
NNW	1.4	1.5	1.5	.3								4.7	5.7
YARBL													
CALM												12.2	
	25.8	32.1	24.9	4.4								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 730

2160

SIGNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEARS: 73-80      MONTH: MAY

CLASS: ALL WEATHER      MONTHS: 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	1.6	2.5	1.7	.3								6.1	5.4
NNE	1.0	2.7	1.9	.4	.0							6.1	6.1
NE	.7	1.7	.8	.1								5.3	5.5
ENE	.7	1.0	.7	.1								2.5	5.5
E	.8	1.5	1.1	.1	.0							3.6	5.8
ESE	.8	2.1	1.4	.2								4.6	5.9
SE	1.0	3.1	3.4	1.0	.0							8.4	7.1
SSE	1.3	3.2	4.4	2.0	.1							11.1	7.7
S	2.1	3.1	2.8	1.0	.1							9.0	6.3
SSW	.9	1.6	2.6	1.1	.1							6.4	7.7
SW	1.0	1.8	2.3	1.2	.1							6.4	7.5
WSW	.7	1.3	1.5	.6	.0							4.1	7.1
W	1.6	1.8	1.5	.4	.0							5.3	5.9
WNW	1.1	1.9	1.4	.4	.1							4.8	6.2
NW	1.5	1.5	1.6	1.0	.1	.0						5.8	6.9
NNW	1.1	2.0	1.8	.5	.1							5.4	6.4
VARBL													
CALM												7.3	
	17.4	52.1	30.9	10.5	.7	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 5632

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION NO. PATUXENT RIVER NAS MD STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 MONTH JUN  
 CLASS ALL WEATHER PERIOD 0000-0200  
 CONDITION \_\_\_\_\_ HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.6		.3								1.3	5.3
NNE	.1	1.3		.1								1.6	5.5
NE	.4	1.6	.8	.3								3.1	6.4
ENE	.5	1.0	.7									2.0	5.7
E	.7	.8	1.3	.1								3.0	5.8
ESE	.6	.6	.7	.1								2.0	5.6
SE	.4	.9	.1	.1								1.6	5.1
SSE	1.7	3.1	.6									5.4	4.4
S	4.8	6.2	4.4	.8								16.2	5.3
SSW	1.7	2.7	4.2	1.3								9.9	7.0
SW	1.6	4.9	5.6	.6								13.0	6.5
WSW	.6	3.1	2.4	.3								6.4	6.2
W	2.1	4.0	1.3	.1								7.5	4.8
WNW	2.7	2.3	.8									5.8	4.3
NW	2.3	1.3		.1	.6							4.2	5.3
NNW	2.3	2.1	1.4	.3								6.1	5.0
VARBL													
CALM												11.2	
	22.9	36.3	24.4	4.7	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 798

2161

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: PATUXENT RIVER NAS MD      YEAR: 75-80      MONTH: JUN  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 0300-0500  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.7	.7									2.7	5.5
NNE	.3	1.0	.8	.1								2.3	6.6
NE	.1	1.3	1.3	.4								3.1	7.0
ENE		.7	.8									1.6	6.5
E	.8	1.4	.6									2.8	4.8
ESE	.6	.4	.3	.6								1.8	7.6
SE	.5	.3	.1									1.0	3.3
SSE	1.3	1.3	.1									2.7	3.9
S	3.7	3.0	2.1	.7								9.5	5.2
SSW	1.6	3.2	3.0	1.0								8.8	6.4
SW	1.4	4.9	6.2	1.3								13.8	6.9
WSW	1.3	2.4	2.0	.7								6.4	6.2
W	4.1	4.8	1.0	.4								10.3	4.5
WNW	2.8	4.5	1.0	.4								8.8	4.6
NW	1.8	2.5	.4	.1								4.9	4.4
NNW	2.0	1.3	1.6	.4								5.2	5.6
VARBL													
CALM												14.4	
	22.6	34.7	22.0	6.2								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 708



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

77040  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

75-80  
 YEAR

JUN  
 MONTH

ALL WEATHER  
 CLASS

0600-0800  
 HOUR (L.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	.9	.1								4.2	4.8
NNE	.6	1.4	2.4	.3								4.7	6.7
NE	.6	1.1	1.0									2.7	5.5
ENE	.6	2.2	1.0									3.7	5.5
E	1.0	1.0	.1	.1								2.3	4.3
ESE	.4	1.0	1.4	.3								3.2	6.9
SE	.6	1.0	.3	.1								2.0	5.1
SSE	.9	1.0	1.6	.1								3.6	6.0
S	1.9	3.0	2.0	.7								7.6	5.8
SSW	1.3	2.6	2.9	.3								7.0	6.2
SW	1.4	3.0	5.0	2.9								12.4	7.8
WSW	.4	2.9	3.2	1.0								7.5	7.6
W	1.9	3.6	2.0	.1								7.6	5.3
WNW	1.1	4.9	1.6	.1	.1							8.2	5.8
NW	3.0	2.9	2.6	.6								9.1	5.4
NNW	1.3	3.0	1.6	.4								6.3	5.8
VARB													
CALM												7.9	
	18.7	36.5	29.6	7.6	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

696

2162

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

75-80  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

75-80  
 YEARS

JUN  
 MONTHS

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	48-53	≥56	%	MEAN WIND SPEED
N	1.1	2.1	3.4	.4								7.0	6.6
NNE	1.4	2.9	2.8	.3								7.4	6.1
NE	.8	2.5	1.0	.1								4.5	5.7
ENE	.7	1.7	1.0	.1								3.5	5.6
E	1.1	2.5	.6	.1								4.4	4.8
ESE	.8	3.8	2.2	.3								7.2	6.0
SE	.4	3.1	4.8	.6								8.8	7.2
SSE	.4	2.0	2.2	.6								5.2	7.1
S	1.0	1.3	2.7	.6								5.5	7.0
SSW	.4	1.4	3.1	.7								5.6	7.7
SW	.3	.6	3.2	1.5								5.6	9.0
WSW	.4	1.8	4.1	2.0								8.3	8.7
W	1.7	2.8	2.9	.4								7.9	6.2
WNW	1.0	2.7	1.5	.4								5.6	6.3
NW	.7	1.7	2.5	2.4								7.3	8.4
NNW	.6	2.0	1.5	.3								4.4	6.2
VARBL													
CALM												1.8	
	12.9	34.8	39.6	10.8								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

712

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: JUN  
 CLASS: ALL WEATHER MOSES (L.S.T.): 1230-1400  
 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	.6	2.5	2.5	.8								6.5	6.9
NNE	.2	3.5	2.1	.3								6.8	5.8
NE	.5	2.1	1.6	.3								4.5	6.3
ENE	.7	1.0	.4	.3								2.4	5.7
E	.8	2.4	.4	.1								3.8	4.6
ESE	1.3	4.5	1.8	.4								8.1	5.2
SE	.3	6.4	9.3	4.0								19.9	8.3
SSE	.6	2.1	5.8	2.7								11.2	8.6
S	.4	1.1	2.8	.6								4.9	7.6
SSW		1.1	1.3	1.0								3.4	8.5
SW	.1	.7	3.8	1.6								6.2	9.4
WSW	.3	1.3	2.7	1.1								5.4	8.6
W	.2	1.3	.8	.7								3.1	7.7
WNW	.3	1.6	1.6	1.0	.1							4.5	8.4
NW	.6	1.5	2.5	1.8								5.9	8.5
NNW	.2	1.4	.2	.3								3.0	5.5
VARBL													
CALM												.4	
	8.5	34.3	39.7	16.9	.1							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 708

2163

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540  
 WEATHER SERVICE/MAO

# SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEAR: 73-80      MONTH: JUN  
 CLASS: ALL WEATHER      PERIOD: 1500-1700 HOURS (L.S.T.)  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	.8									5.1	5.4
NNE	.6	1.8	2.5	.3								5.2	6.5
NE	1.7	2.5	1.1									5.6	4.6
ENE	.3	.7	.8	.1								2.0	6.8
E	1.0	2.0	.8	.6								4.4	6.1
ESE	1.1	2.4	.6	.6								4.7	5.5
SE	.1	4.1	7.8	3.8								15.8	6.5
SSE	.4	4.4	12.1	5.2	.1							22.3	8.7
S	.4	1.4	2.7	1.1								5.6	8.1
SSW		.5	1.7	1.4	.1							3.5	10.5
SW	.1	.1	2.3	1.4	.3							4.2	10.6
WSW		.4	2.3	1.3								4.4	9.2
W	.1	1.1	2.4									3.7	7.3
WNW	.7	1.1	.7	.7	.4							3.7	8.3
NW	.3	.8	2.0	2.0	.1							5.2	9.9
NNW	.4	1.4	1.4	.4								4.1	6.5
VARBL													
CALM												.6	
	7.8	29.6	42.0	19.9	1.1							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 700

FEDERAL METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEARS: 73-80      MONTH: JUN  
 STATION NAME: PATUXENT RIVER NAS MD      CLASS: ALL WEATHER  
 DATE: 1980-1980      HOURS (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	1.7	.4	.1								4.0	4.2
NNE	1.1	1.3	1.1									3.6	5.0
NE	1.4	1.1	.7									3.3	4.5
ENE	.4	1.3	.7	.3								2.7	5.2
E	.4	1.1	.6	.3								2.6	5.2
ESE	1.7	.4	.9	.4								2.7	6.3
SE	.9	1.4	1.8	.4								2.5	6.3
SSE	2.3	7.7	9.8	1.3								21.1	6.7
S	3.4	11.7	5.7	.6	.5							21.6	5.9
SSW	1.7	3.1	2.4									7.1	5.5
SW		1.4	1.6	.7								3.7	8.1
WSW		.6	1.3	.3								2.1	8.1
W	1.7	2.0	.4	.3								3.7	5.0
WNW	.4	.9	.9	.7								3.3	6.5
NW	.7	.4	.4	.4								2.8	6.2
NNW	1.1	1.7	1.3	.4								4.5	5.9
VARBL													
CALM												5.7	
	18.8	38.5	30.4	6.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 703

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE, PAC

# SURFACE WINDS

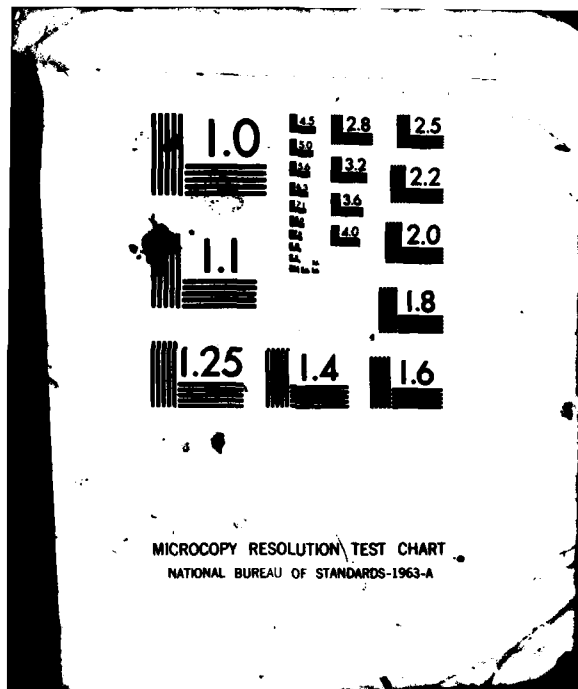
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 47 PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: JUN  
 STATION NAME: PATUXENT RIVER NAS MD CLASS: ALL WEATHER HOURS (L.S.T.): 1100-2300  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0			.1								1.1	3.6
NNE	.6	1.1	.4									2.1	5.0
NE	1.7	1.5	.8									3.4	4.0
ENE	.7	.7	1.0	.1								2.5	5.8
E	.6	.7	2.0	.1								3.4	6.6
ESE	.1	.7	.6	.4								1.8	7.5
SE	.6	1.0	1.1	.3								3.0	6.7
SSE	2.3	4.0	2.8	.4								10.0	5.6
S	5.5	11.1	6.9	.3								24.6	5.3
SSW	3.7	3.8	4.1	1.0								12.6	5.9
SW	2.3	2.1	3.2	.7								3.3	6.0
WSW	.6	1.5	1.1	.4								3.9	6.0
W	1.3	2.1	.7	.1								4.2	4.0
WNW	1.1	1.8	.4	.4								3.7	5.7
NW	2.0	1.7	.4									4.1	4.0
NNW	.7	1.5	1.4	.3								4.2	6.2
VARBL													
CALM												7.2	
	24.6	36.4	27.0	4.8								111.0	5.3

TOTAL NUMBER OF OBSERVATIONS 711





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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.V.)

ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.8	1.1	.2								4.0	5.6
NNE	.7	1.8	1.5	.2								4.2	6.0
NE	.8	1.8	1.0	.1								3.8	5.5
NNE	.5	1.1	.8	.1								2.5	5.8
E	.8	1.5	.8	.2								3.3	5.4
ESE	.7	1.7	1.1	.4								3.9	6.2
SE	.5	2.3	3.2	1.2								7.1	7.6
SSE	1.2	3.3	4.4	1.3	.0							10.2	7.1
S	2.8	4.8	3.7	.7	.0							12.0	5.8
SSW	1.3	2.3	2.8	.8	.0							7.2	6.8
SW	.9	2.2	3.9	1.3	.0							8.4	7.6
WSW	.5	1.8	2.4	.9								5.5	7.6
W	1.6	2.7	1.5	.3								6.0	5.4
WNW	1.3	2.5	1.1	.5	.1							5.4	6.0
NW	1.4	1.6	1.4	.9	.1							5.4	6.7
NNW	1.1	1.9	1.3	.4								4.7	5.8
VARB													
CALA												6.1	
	17.0	35.2	31.8	9.5	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 5655

2165

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.4	.3	.1	.1							1.8	5.8
NNE	.7	1.1	.3	.1								2.2	4.8
NE	.7	.8	.3									1.8	4.5
NNE	1.2	.5										1.8	2.9
E	.7	1.1	.5	.3								2.6	5.3
ESE	.3	1.1	.1	.3								1.8	5.9
SE	.4	.1	.4									1.0	5.3
SSE	1.8	1.2	.7	.1								3.8	4.6
S	5.5	6.0	1.8	.8	.1							13.9	4.7
SSW	2.3	3.7	3.6	.8								10.2	5.9
SW	2.1	5.2	6.7	.7								14.7	6.3
WSW	1.8	2.9	1.8	.8								7.0	5.7
W	2.2	4.8	1.5	.1								8.7	5.1
WNW	2.5	2.6	.8	.4								6.3	4.6
NW	1.9	2.5	.4									4.8	4.1
NNW	1.2	2.2	.8									4.3	4.7
VARIABLE													
CALM												13.5	
	26.1	36.4	19.9	3.8	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
GROUP (L.S.V.)

CORRECTION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.3									1.9	4.0
NNE	1.2	1.0	1.0	.7	.1							4.8	6.6
NE	1.1	1.1	1.1									3.3	5.3
NNE	1.2	.8	.1									2.2	3.8
E	1.1	.8	.4	.3								2.6	5.4
ESE	.4	.1	.1									.7	4.0
SE	.5		.3									.8	4.2
ESE	1.1	.8	.1									2.0	3.7
S	1.2	1.6	1.0	.8								4.9	4.9
SSW	2.2	2.2	2.6	1.4								8.3	6.7
SW	1.9	5.6	4.8	.7								12.9	6.3
WSW	2.0	5.3	1.6	.8								9.5	5.4
W	5.2	6.3	.5	.1								12.1	4.0
WSW	4.8	2.9	1.6									9.3	4.2
W	3.1	2.3	1.2									6.7	4.9
WNW	2.3	2.2	.7									5.2	4.2
VARIABLE													
CALM												12.9	
	10.7	14.7	17.8	4.1	.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 735

2166

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724 J40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	.8	.1								3.6	4.9
NNE	1.0	2.2	2.8	.3								6.2	6.5
NE	1.1	2.6	1.5	.1								5.4	5.4
NNE	.8	1.7	.3	.1								2.9	4.8
E	.8	.8	.7	.4								2.8	6.3
ESE	.6	.1	.1									.8	3.3
SE	.4	.6	.1									1.1	4.0
ESE	1.0	.6										1.5	3.5
S	1.8	2.1	1.0	.1								5.0	4.8
SSW	1.4	2.1	2.2	1.2	.1							7.0	7.5
SW	1.5	3.3	4.0	1.8								10.3	7.0
WSW	1.4	3.4	3.2	1.1								9.1	6.5
W	3.4	5.9	2.3	.2								12.0	4.8
WW	4.3	4.7	1.4	.6								10.9	4.6
WSW	1.9	4.4	1.7	.7								8.7	5.7
WNW	1.8	3.0	.4	.1								5.4	4.6
VARB													
CALM												7.3	
	24.4	38.9	22.5	6.8	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

725

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

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

LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.4	3.1	2.4	.4								7.3	6.0
NNE	1.5	4.6	2.6	.4								9.1	5.9
NE	.8	2.2	.4	.1								3.5	4.6
NNE	.7	2.0	.1									2.9	4.2
E	1.2	1.6	1.5	.1								4.5	5.5
ESE	1.4	3.8	1.5	.5								7.2	5.7
SE	1.0	2.4	2.3	.1								5.9	6.0
ESE	.4	.7	1.1	.1								2.3	6.8
S	.8	2.9	1.6	.4								5.7	6.1
SSW	.7	1.2	2.7	1.8								6.1	8.3
SW	.4	2.0	2.4	1.8	.1							6.8	8.5
WSW	1.0	1.4	2.2	1.1								6.3	7.3
W	1.2	3.7	1.6	.4								6.9	5.6
WNW	2.0	3.9	1.8	.1	.1							8.2	5.3
NW	2.0	3.1	2.0	1.2								8.4	6.2
NNW	1.5	2.2	1.0	.1								4.8	5.0
VARB.													
CALM	X	X	X	X	X	X	X	X	X	X	X	4.1	
	14.0	41.0	28.0	8.7	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 735

2167

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.0	2.3	.4								7.1	5.8
NNE	1.4	3.7	2.5									7.5	5.7
NE	1.8	2.3	1.0									5.1	4.6
NNE	1.5	2.3										3.8	4.0
E	1.6	1.2	.4									3.3	4.2
ESE	1.9	3.6	3.0	.3								10.8	5.5
SE	.1	4.9	7.8	2.3								15.2	7.9
SSE	.5	3.7	2.6	1.2								8.1	7.1
S	.5	1.9	2.6	1.9								7.0	6.2
SSW	.5	1.5	1.9	.8								4.8	7.4
SW		.8	1.5	1.0								3.3	6.7
WSW	.4	1.1	2.9	.8								5.2	7.9
W	.3	1.9	2.1	.5								4.8	7.2
WNW	.5	.4	1.2	.8								3.0	7.6
NW	.7	2.1	1.2	.7								4.7	6.5
NNW	.8	1.6	1.8	.3								4.5	6.2
VARBL													
CALM												1.8	
	14.1	38.2	34.8	11.1								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
TIME PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.8	.1								6.0	5.5
NNE	1.8	3.6	2.5									7.8	5.2
NE	.5	1.9	.7									3.1	5.0
ENE	.8	1.0	.3									2.1	4.3
E	1.0	1.4	.8									3.1	5.1
ESE	1.4	4.5	1.6	.4								7.9	5.8
SE	1.4	5.7	8.3	2.3	.3							18.1	7.7
SSE	1.1	4.0	8.9	3.3								17.2	8.2
S	.7	2.6	2.6	.8								6.7	6.9
SSW		1.1	1.8	.7	.1							3.7	8.7
SW	.3	1.2	2.2	.7		.1						4.5	8.3
WSW	.1	1.2	1.5	.3	.3							3.4	8.2
W		1.6	3.3	.4								5.3	7.7
WNW	.1	1.1	2.1	.5								3.8	7.8
NW	.7	.7	1.1	.5								3.0	7.1
NNW	.4	1.2	1.0		.1							2.7	6.6
VARIABLE													
CALM												1.4	
	11.2	36.0	40.4	10.1	.8	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

731

2168

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	2.6	1.7	1.0	.4	.1							5.8	5.4
NNE	1.4	1.4	1.0									3.7	4.7
NE	.7	.1	.1	.1								1.1	5.1
NNE	.4	.3	.3	.1								1.1	5.1
E	.7	1.8	.1	.1								2.8	4.7
ESE	.7	1.1	.8									2.6	5.4
SE	1.4	2.9	1.0	.1								5.4	5.2
SSE	2.8	7.2	5.5	1.5								16.9	6.3
S	5.9	11.6	4.4	.3								22.1	4.9
SSW	1.5	3.6	1.5	.6								7.2	5.7
SW	.4	2.2	.8	.4	.1							4.0	6.7
WSW	.4	1.7	1.2	.6								3.9	6.6
W	.3	1.4	.7	.3	.1							2.8	6.8
WWW	.3	1.5	1.4	.1		.1						3.4	7.0
NW	2.1	1.0	.8	.1								4.0	4.6
NNW	1.2	1.2	.3	.3	.1							3.2	5.4
VARB.	...	...	...	...	...								
CALM												10.2	
	22.7	40.4	20.9	5.1	.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

727



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-8U  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
TIME (L.G.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.5		.4								2.2	4.9
NNE	.8	1.2	.1	.1								2.3	4.9
NE	.5	.5	.1									1.2	4.2
NNE	.4	1.0										1.4	4.2
E	.7	.7	.5	.1								2.1	5.1
ESE	.7	1.4	.7	.3								3.0	6.0
SE	.3	.4	1.1	.3								2.1	7.6
SSE	1.2	2.2	1.4	.3	.3							5.3	6.4
S	7.3	11.9	2.5	1.0								22.6	4.7
SSW	2.2	6.0	3.3	.4								11.9	5.6
SW	2.7	5.2	1.8	1.0								10.7	5.5
WSW	1.6	2.5	.3									4.4	3.9
W	1.1	2.3	.7									4.1	5.0
WNW	1.1	2.1	1.4									4.5	5.2
NW	1.6	.5	.4	.1								2.7	4.5
NNW	.8	1.5	.8	.3								3.4	5.3
VARBL													
CALM												16.0	
	24.8	40.0	15.1	4.2	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

730

2169

GLOBAL CLIMATOLOGY BRANCH  
 USAPETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
WIND (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.8	1.1	.3	.0							4.5	5.5
NNE	1.2	2.4	1.6	.2	.0							5.5	5.7
NE	.9	1.5	.7	.1								3.1	4.9
ENE	.9	1.2	.1	.0								2.3	4.2
E	1.0	1.2	.6	.2								3.0	5.2
ESE	.9	2.2	1.0	.2								4.4	5.6
SE	.7	2.1	2.7	.7	.0							6.2	7.1
SSE	1.2	2.5	2.5	.8	.0							7.2	6.7
S	3.0	5.1	2.2	.7	.0							11.0	5.3
SSW	1.4	2.7	2.4	.9	.0							7.4	6.7
SW	1.2	3.2	3.0	1.0	.0	.0						8.4	6.8
WSW	1.1	2.4	1.9	.6	.0							6.1	6.3
W	1.7	3.5	1.6	.3	.0							7.1	5.4
WWW	2.0	2.4	1.5	.3	.0	.0						6.2	5.3
NW	1.8	2.1	1.1	.4	.0							5.4	5.4
NNW	1.3	1.9	.8	.1	.0							4.2	5.1
VARB.													
CALM												8.4	
	21.5	38.2	24.9	6.7	.3	.0						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 5891

GENERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

12-040 PATIANT RIVER NAS MD 73-80 AUG  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 0000-0200  
CLASS HOUR (L.S.T.)  
 \_\_\_\_\_  
CONDITION  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.4	.3									1.5	4.1
NNE	.4	.7	.3									1.4	4.6
NE	1.2	.8	.3	.3								2.6	4.8
ENE	1.1	1.9	.5	.1								3.7	4.9
E	1.9	1.4	.7									4.0	4.2
ESE	.4	.3	.5	.1								1.4	6.1
SE	1.0	.8	.1									1.9	4.1
SSE	1.2	1.0	.7	.1								3.0	5.0
S	5.5	6.0	.5	.4								12.5	4.1
SSW	1.9	5.2	3.7	1.2								12.1	6.2
SW	2.3	6.2	3.7	1.9								14.1	6.5
WSW	1.5	1.6	1.5	.4								5.1	5.6
W	4.7	3.2	1.1	.1								9.1	3.9
WNW	3.2	2.6										5.8	3.5
NW	1.8	1.2	1.2									4.3	4.9
NNW	2.7	1.6	1.5	.1								6.0	4.7
VARBL													
CALM												11.7	
	31.7	35.0	16.7	4.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 729

2170

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

720343 STATION PATUXENT RIVER NAS MD 73-80 YEARS AUG MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	.6	.4								2.5	5.7
NNE	1.0	1.0	.7	.3	.1							3.0	6.5
NE	.8	1.1	.8	.1								2.9	5.6
ENE	.7	1.5	.6	.3								3.0	5.3
E	1.0	1.1	.4	.1								2.6	4.9
ESE	.1	.3	.4	.3								1.1	7.9
SE	.7	.3										1.0	3.3
SSE	.8	.1										1.0	2.7
S	2.9	2.5	.7	.3								6.3	4.2
SSW	2.9	3.9	2.6	.8								10.2	5.5
SW	2.9	4.3	5.2	.7								13.1	6.2
WSW	2.2	4.0	1.4	.4								8.0	5.4
W	5.0	5.8	.8									11.6	3.9
WNW	2.9	3.6	.4									6.9	4.2
NW	2.3	1.5	.8									4.7	4.1
NNW	3.3	2.6	1.2	.1								7.3	4.5
VARBL													
CALM												14.9	
	30.6	33.9	16.7	3.9	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 726

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.0	.4	.1								2.9	4.6
NNE	.6	2.1	.4	.3								3.3	5.6
NE	.4	2.4	1.8	.1								4.7	5.9
ENE	.6	2.2	1.1	.1								4.0	5.9
E	.8	1.4	.7	.3								3.2	5.7
ESE	.3	.4	.6									1.3	6.4
SE		.4	.4									.8	6.7
SSE	1.1	.4	.1									1.7	3.2
S	1.7	2.1	1.0	.3								5.0	5.0
SSW	2.6	2.5	2.2	1.3								8.6	6.2
SW	1.7	4.6	4.5	.8								11.6	6.5
WSW	1.8	5.0	4.5	.1								11.4	5.9
W	4.2	7.1	.4									11.7	4.0
WNW	2.2	3.8	.4									6.4	4.1
NW	1.5	4.3	2.4									8.2	5.2
NNW	2.4	1.8	1.8									6.0	5.0
VARBL													
CALM												9.1	
	23.3	41.5	22.7	3.5								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

718

2171

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	5.3	2.6	.1								11.2	5.1
NNE	1.6	4.9	1.1	.1								7.8	5.0
NE	1.0	1.6	1.0	.4								4.0	5.9
ENE	1.0	2.0	1.4	.1								4.5	5.5
E	.8	2.7	.4	.3								4.2	5.4
ESE	1.0	2.2	1.4									4.5	5.3
SE	1.0	1.6	1.0	.7								4.2	6.3
SSE	.4	1.1	1.2									2.7	5.8
S	.8	1.1	2.0	.7								4.6	7.1
SSW	.4	2.2	2.0	1.8								6.4	8.1
SW	1.0	2.7	4.6	1.2								9.5	7.5
WSW	.7	2.7	3.1	1.2								7.8	7.1
W	2.6	3.1	2.9	.3								8.9	5.5
WNW	2.6	2.9	1.0									6.4	4.3
NW	1.8	2.7	1.0	.1								5.6	5.0
NNW	1.5	2.3	1.6	.1								5.6	5.4
VARBL													
CALM												2.2	
	21.1	41.5	28.2	7.2								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 124040 STATION NAME: PATUXENT RIVER NAS MD YEAR: 73-80 MONTH: AUG  
 CLASS: ALL WEATHER PERIOD (L.G.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	2.3	4.0	1.8									8.1	4.9
NNE	1.2	5.4	1.7	.6								8.8	5.7
NE	1.5	2.6	.4	.1								4.7	4.5
NNE	1.7	3.0	.7		.1							5.5	4.9
E	1.1	3.0	.6	.6								5.2	5.7
ESE	1.1	3.3	1.5	.6								6.5	5.7
SE	.8	5.1	4.4	2.8								13.1	7.8
ESE	.3	1.7	3.4	2.2	.1							7.7	9.0
S	.7	1.8	2.3	.7								5.5	7.2
SSW	.4	1.0	3.2	1.1								5.6	8.3
SW	.3	.4	1.9	1.4								4.0	9.4
WSW	.4	1.8	2.3	.8								5.4	7.7
W	1.5	1.7	1.9	.1								5.2	5.7
WNW	.6	2.6	1.7									4.8	5.9
NW	.6	1.7	1.2	.7								4.1	7.0
NNW	1.1	1.5	1.0	.1								3.7	5.4
VARB													
CALM												2.1	
	15.5	44.9	30.0	11.7	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 727

2172

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	4.3	.7	.1	.1							7.6	4.7
NNE	1.5	3.6	1.0	.3								6.3	5.0
NE	1.1	2.5	.3									3.9	4.4
NNE	1.2	.7	.4									2.3	4.2
E	2.2	3.2	.8	.6								6.7	5.1
ESE	1.6	2.6	1.2	.4								6.1	5.3
SE	1.2	5.1	5.0	3.0								14.3	7.7
SSE	.8	5.1	5.6	3.9	.3							15.7	8.3
S	1.1	3.2	2.6	1.0								7.9	6.8
SSW	.3	1.0	1.7	.7								3.6	7.8
SW	.1	1.4	2.3	.4								4.3	7.3
WSW	.3	1.7	1.1	.4	.1							3.6	7.2
W	.4	2.1	1.0	.3	.1							3.9	6.7
WW	.3	1.2	1.5	.3								3.3	6.8
NW	.8	1.7	.8	.4								3.7	6.2
NNW	2.1	1.9	.7									4.7	4.4
VARB													
CALM												2.2	
	17.6	41.0	26.7	11.7	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

726



GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

72-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
PERIOD (L.G.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.4	1.0									4.7	4.2
NNE	1.7	.6		.1								2.3	3.4
NE	.3	.6	.3	.4								1.5	7.2
NNE	.7	.1	1.0									1.8	6.1
E	1.0	2.3	.8	.1								4.3	3.2
ESE	1.5	1.4	.6									3.5	4.2
SE	.7	2.9	1.2	.6								5.4	6.3
SSE	2.5	4.1	3.0	.8								10.5	6.0
S	7.6	12.8	5.5	.4								26.4	3.0
SSW	1.5	3.9	2.2	.3								7.9	5.4
SW	1.8	2.2	.7	.3								5.0	6.9
WSW	1.1	1.7	.1									2.9	4.2
W	.6	2.2	.8	.1								1.7	5.4
WWW	1.1	.6	.4									2.1	4.3
NW	1.4	1.1	.3									2.8	4.0
NNW	2.8	1.8	.7	.1								3.4	4.3
VARIABLE													
CALM												9.9	
	28.5	39.6	18.6	1.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

724

2173

GLOBAL CLIMATOLOGY BRANCH  
 USAPETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
SEASON

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

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥66	%	MEAN WIND SPEED
N	.5	.8	.3	.1								1.0	4.9
NNE	.7	.4	.1									1.2	6.0
NE	.7	.3	.5									1.5	5.0
NNE	.4	1.0	1.1	.1								2.6	6.5
E	.4	3.1	1.0	.3								4.8	5.4
ESE	.1	1.4	.7	.1								2.3	5.9
SE	.8	1.4	1.5	.5								4.2	6.2
SSE	1.1	3.1		.3								4.5	4.8
S	0.7	9.0	3.3									21.0	6.3
SSW	3.9	6.5	4.1									14.6	5.3
SW	3.1	4.1	1.9	.3								9.4	4.9
WSW	1.8	1.5	.6	.3								4.4	4.9
W	1.6	1.4	1.8									4.8	5.1
WWW	1.5	1.0	.4									2.9	4.1
NW	1.8	1.0	1.0									3.7	4.7
NNW	2.3	1.6	.8	.1								4.9	4.4
VARB.													
CALM												11.7	
	29.5	37.4	19.2	2.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 735

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

724480  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.V.)

DESCRIPTION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.2	.9	.1	.0							5.0	4.8
NNE	1.1	2.3	.7	.2	.0							4.3	5.2
NE	.9	1.5	.7	.2								3.2	5.3
NNE	.9	1.6	.8	.1	.0							3.4	5.4
E	1.2	2.3	.7	.3								4.4	5.2
ESE	.8	1.5	.9	.2								3.3	5.5
SE	.8	2.2	1.7	.9								5.6	7.0
SSE	1.0	2.1	1.8	.9	.1							5.8	6.9
S	3.6	4.8	2.3	.5								11.2	5.1
SSW	1.9	3.3	2.7	.9								8.6	6.2
SW	1.6	3.2	3.1	.9								8.9	6.4
WSW	1.2	2.5	1.9	.5	.0							6.0	6.1
W	2.6	3.3	1.3	.1	.0							7.3	4.7
WNW	1.8	2.3	.7	.0								4.8	4.5
NW	1.5	1.9	1.1	.2								4.6	5.1
NNW	2.3	1.9	1.2	.1								5.4	4.8
VARBL													
CALM												8.0	
	28.7	18.8	22.8	6.0	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 5819

2174

2  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 0

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

72404C  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	1.0	.3								2.1	7.0
NNE	.7	2.0	2.0	.3								5.0	6.8
NE	1.3	2.4	1.7	.4	.1							6.0	6.4
NNE	.7	1.1	2.1									4.0	6.2
E	.9	1.0	1.0	.4								3.3	6.3
ESE	.6	1.9	1.0									3.4	5.8
SE	.4	1.7	1.0	.3								3.4	6.4
SSE	1.6	2.1	.3	.6								4.6	5.0
S	3.9	3.2	.6	.7	.4							8.7	5.3
SSW	3.4	2.7	1.9	.7								8.7	5.1
SW	1.7	3.4	3.3	.3								8.7	6.0
WSW	1.9	2.1	1.6									5.6	4.9
W	3.6	2.4	.6	.1								6.7	3.9
WNW	1.9	1.3	.9	.4	.1							4.6	5.7
NW	1.4	3.0	1.3	.1								5.9	5.1
NNW	2.0	2.1	1.4	.4								6.0	5.0
VARB													
CALM												13.0	
	26.2	33.2	21.6	5.2	.7							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

698

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

724040  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
PERIOD (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	.6	.7	.6	.1								2.0	5.7
NNE	.4	1.8	2.8	.7								5.8	7.4
NE	1.4	2.4	1.6	.6								5.9	5.9
NNE	2.0	2.4	1.6									5.9	5.0
E	1.1	1.4	2.0	.3								4.8	6.2
ESE	.4	1.3	.8									2.5	6.1
SE	.6	1.1	1.0	.4								3.1	6.7
SSE	.7	1.4	.1	.9								2.7	5.4
S	2.8	2.3	.1	.6								5.8	4.5
SSW	1.6	1.7	1.1	.7	.3							5.4	6.9
SW	2.4	2.8	2.4	.1	.1							7.9	5.5
WSW	1.7	1.8	1.7	.1								5.4	5.3
W	4.9	3.5	.6									8.6	3.8
WNW	2.7	1.8	.6	.1								5.2	4.0
W	3.3	3.1	1.7	.6								8.6	5.0
WNW	2.7	3.1	1.4	.1								7.4	4.9
VARIABLE													
CALM												12.9	
	28.9	32.8	20.1	5.0	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 707

2175

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
MOON (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.1	1.3									4.0	5.2
NNE	.3	3.3	2.1	.3								6.0	6.7
NE	.6	4.3	2.4	.7								8.0	6.5
NNE	1.7	4.1	1.6									7.4	5.0
E	1.0	1.9	1.9									4.7	6.2
ESE		1.0	.4	.1								1.6	6.4
SE		.9	.9	.6								2.3	8.1
ESE	.4	.6	.1	.6								1.7	7.7
S	2.9	1.7	1.4	.6	.1							6.7	5.4
SSW	2.1	2.4	1.6	.6	.1							6.8	5.8
SW	2.0	2.6	2.0	.7	.1		.1					7.6	6.6
WSW	1.9	2.6	1.6									6.0	5.1
W	3.9	3.3	1.4		.1							8.7	4.3
WW	3.1	3.3	.9	.1								7.4	4.3
NW	2.6	1.4	2.4	.6								7.0	5.6
NNW	1.7	2.4	2.0	.1	.1							6.4	5.7
VARIABLE													
CALM												7.7	
	25.7	36.8	24.0	5.0	.7		.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

701

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724040 PATUXENT RIVER NAS MD 73-80 SEP  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 0900-1100  
CLASS HOUR (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	4.4	2.9	.3								8.9	6.0
NNE	1.4	4.1	2.3	.6								8.4	5.8
NE	1.3	4.1	1.9	.6								7.9	5.9
NNE	1.1	2.6	2.3	.3								6.3	5.9
E	1.4	5.1	2.0	.3								8.9	5.6
ESE	1.3	2.4	.6	.6								4.9	5.6
SE	.4	2.3	1.1	.7								4.6	7.3
SSE		1.0	1.1									2.1	6.8
S	1.0	1.1	2.3	.9								5.3	7.2
SSW	.7	2.1	2.4	1.4								6.7	7.6
SW	.6	3.1	2.1	.7	.1							6.7	7.0
WSW	.7	2.4	1.7	.1	.3							5.3	6.6
W	.9	2.3	1.6	.3								5.0	5.9
WNW	1.3	3.0	1.6	.4								6.3	5.8
NW	.6	3.0	2.4	.4								6.4	6.5
NNW	.6	2.1	1.9	.4								5.0	6.6
VARBL													
CALM												1.4	
	14.6	45.4	30.1	8.0	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 700

02176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 12-40 PATUXENT RIVER NAS MD STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 MONTH SEP  
 CLASS ALL WEATHER MONTH (L.C.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.2	3.4	.1								6.7	6.3
NNE	1.7	5.3	3.2	.3								10.5	5.8
NE	1.0	2.1	1.5									4.6	5.7
ENE	1.1	2.2	1.4	.1								4.9	5.4
E	1.0	3.4	.6	.8	.3	.1						6.2	6.9
ESE	.3	4.4	2.8									7.4	5.9
SE	1.4	3.9	4.5	1.5	.1							11.5	7.4
SSE	1.0	3.7	3.8	2.1	.1							10.7	7.7
S	.7	1.3	1.3	1.1								4.4	8.1
SSW	1.0	1.4	2.4	1.4								6.2	7.9
SW	.3	.8	.7	.8	.1							2.8	8.6
WSW		1.4	.7	.3								2.4	6.8
W	1.0	2.2	.7	.6								4.5	6.1
WNW	.8	1.3	1.5	.4	.1							4.2	6.7
NW	.6	1.3	2.0	.4	.1							4.4	7.2
NNW	.8	2.9	1.7	.1	.3							5.9	6.3
VARBL													
CALM												.7	
	13.6	41.9	32.2	10.3	1.3	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 712



FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY SERVICE  
 METEOROLOGICAL SERVICE/44C

### SURFACE WINDS

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

STATION PAUXENT RIVER NAS MD YEAR 73-80 MONTH SEP  
 ALL WEATHER CLASS \_\_\_\_\_  
 CONDITION \_\_\_\_\_

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

SPEED (KNOTS) DIR.	1-3	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	2.6	2.4									7.4	5.0
NNE	2.4	5.1	1.8	.1								9.5	5.1
NE	1.4	2.3	.7									4.4	4.6
NNE	1.0	2.0	1.7	1.0		.1						5.8	7.3
E	1.3	1.4	1.1	.3		.1						4.7	6.2
ESE	.7	2.7	1.3	.1								4.8	5.5
SE	1.0	3.6	5.3	1.7	.3	.1						11.9	7.9
SSE	1.1	5.5	7.3	2.1								16.1	7.4
S	1.1	2.8	2.8	.9								7.7	6.6
SSW	.6	1.1	1.3	.9	.1							4.0	7.8
SW	.1	.9	.7	.1								1.8	6.1
WSW	.3	2.0	.7	.1								3.1	6.0
W	.7	1.3	1.4	.1								3.6	5.9
WNW	.7	1.0	1.4	.6								3.7	6.8
NW	1.3	1.6	1.3	.4								4.6	5.9
NNW	.4	1.3	1.0	.7								3.4	7.3
VARBL													
CALM												3.4	
	16.6	57.6	32.3	9.2	.4	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 703

02177

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 AIR FORCE WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 MONTH SEP  
STATION NAME CLASS HOURS (L.S.T.)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.4	.6									4.0	4.0
NNE	1.8	2.0	1.0	.1								5.0	4.8
NE	.7	1.6	1.7	.6								4.5	6.7
ENE	.7	.8	2.0	.6								4.1	7.2
E	.7	1.4	2.3									4.4	5.9
ESE	.6	1.0	1.8	.3	.1							3.8	7.6
SE	.4	1.4	.8	.1								2.8	6.3
SSE	2.8	4.8	1.0	1.0								9.6	5.4
S	9.8	9.8	2.8	.4								21.8	4.5
SSW	1.7	1.6	1.3	.3								4.9	5.0
SW	1.1	1.6	.4									3.1	4.5
WSW	1.1	.4	.1									2.1	4.0
W	.8	1.6	.3									2.7	4.3
WNW	1.0	1.3	.7									3.3	4.9
NW	1.4	1.0	.7	.6								3.7	5.5
NNW	2.0	2.3	1.7	.4								6.4	5.2
VARB													
CALM												14.2	
	27.8	34.3	19.3	4.4	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 706

FEDERAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 120340 PATUXENT RIVER NAS MD YEAR 73-80 MONTH SEP  
 CLASS ALL WEATHER  
 SPEED (L.S.V.) 2100-2300

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	1.8	.1								3.6	6.4
NNE	.7	1.0	1.6	.4								3.7	6.7
NE	.7	2.0	1.4	.9								5.0	6.9
ENE	.9	1.1	1.4	.3								3.7	6.3
E	1.0	2.6	2.4									6.0	6.0
ESE	1.0	.7	4.1									5.8	6.9
SE	.4	1.3	.7	.3								2.7	6.2
SSE	1.7	1.8	.9	.6								5.1	5.8
S	4.4	7.0	2.1	.6								14.1	4.8
SSW	3.6	4.1	2.1	.6								10.4	5.1
SW	2.4	2.8	1.6	.1								7.0	4.9
WSW	2.1	2.0	1.1	.1								5.4	4.8
W	1.6	1.1	.3	.1								3.1	4.1
WNW	1.8	.9	.7	.3								3.7	4.8
NW	1.3	2.0	.9	.3								4.4	5.4
NNW	2.3	1.7	.7	.3	.3							5.3	5.3
VARBL													
CALM												11.2	
	46.3	33.2	23.9	5.0	.3	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 704

2178

CENTRAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 73-80 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 SEP MONTH

CLASS ALL WEATHER HOUR (L.G.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	1.2	2.0	1.7	.1								5.1	5.7
NNE	1.2	3.1	2.1	.4								6.7	6.0
NE	1.0	2.6	1.6	.5	.0							5.8	6.1
ENE	1.2	2.1	1.8	.3	.0	.0						5.3	5.9
E	1.0	2.3	1.7	.3	.0	.0						5.4	6.1
ESE	.6	1.9	1.6	.1	.0							4.3	6.2
SE	.6	2.0	1.9	.7	.1	.0						5.3	7.3
SSE	1.2	2.6	1.8	.9	.0	.0						6.6	6.6
S	3.2	3.6	1.7	.7	.1							9.3	5.4
SSW	1.8	2.1	1.8	.8	.1							6.6	6.2
SW	1.3	2.3	1.7	.4	.1		.0					5.7	6.0
WSW	1.2	1.9	1.2	.1	.0							4.4	5.4
W	2.1	2.2	.9	.2	.0							5.4	4.6
WNW	1.7	1.7	1.0	.3	.0							4.8	5.3
NW	1.5	2.0	1.6	.4	.0							5.6	5.7
NNW	1.6	2.3	1.5	.3	.1							5.7	5.6
VARBL													
CALM												3.1	
	22.4	36.9	25.4	6.5	.6	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 5631

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 ALL WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION PATUXENT RIVER NAS MD

YEAR 73-80

MONTH OCT

ALL WEATHER  
GLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	2.6	.5								5.0	6.8
NNE	1.2	2.3	1.9	.7								6.1	6.4
NE	1.0	1.9	.5									3.4	4.6
NNE	.7	1.9	1.2	.3								4.1	5.9
E	.5	1.0	1.0	.4								2.9	6.5
ESE	1.0	.7	1.0	.3								2.9	5.7
SE	.7	.5	.3	.4								1.9	6.3
SSE	.3	.7	.8	.3								2.0	7.1
S	2.0	1.9	2.0									6.0	5.1
SSW	2.6	3.3	1.9	1.0								8.7	5.7
SW	3.1	1.6	1.9	.7								7.4	5.4
WSW	1.9	1.6	1.4	.4								5.3	5.3
W	1.4	2.9	2.9	.3	.3							7.6	6.4
WNW	1.2	3.3	1.6	1.5								7.6	6.8
NW	1.5	3.0	2.3	.3		.1						7.2	6.2
NNW	1.8	1.9	3.3	.7								7.6	6.6
VARIABLE													
CALM												14.1	
	21.8	29.5	26.6	7.6	.3	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

733

2179

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

12 1940  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-84  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.0	1.0								5.7	7.9
NNE	1.0	3.0	1.9	1.0								6.8	6.7
NE	.7	1.6	2.0	.1								4.5	6.5
NNE	.4	1.8	1.2									3.4	5.6
E	.8	1.8	.5	.3								3.4	5.4
ESE	.7	.4	.1	.4								1.6	6.2
SE	.4	.1	.3	.1								1.0	5.9
SSE	1.0	.4	.4	.3								2.0	5.3
S	1.5	1.2	1.6	.8								5.2	6.4
SSW	2.0	2.6	1.9	.5								7.1	5.5
SW	1.6	4.1	1.9	.7								8.3	5.8
WSW	1.9	1.6	1.1	.4								5.0	5.1
W	2.4	4.1	1.6	.7	.1							9.0	5.8
WNW	2.3	2.6	2.4	.8								8.2	6.0
NW	1.6	3.0	1.8	.7								7.1	6.0
NNW	1.5	4.3	2.6	.4								8.8	5.6
VARIABLE													
CALM												13.0	
	20.0	34.2	24.5	8.2	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

736

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

72-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

OCI  
MONTH

ALL WEATHER  
CLASS

J600-C60C  
FORM (L.E.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.3	1.9	1.0								6.0	6.9
NNE	.5	1.5	2.3	.8								5.2	7.4
NE	.7	1.5	2.3	.8								5.3	7.4
NNE	.8	1.2	1.2	.4								3.7	6.2
E	.8	1.5	1.0	.1								3.4	5.8
ESE	.1	.4	.3	.1								1.0	7.1
SE	.3		.5									.8	5.7
SSE	.8	1.5	.5	.3								3.2	5.5
S	.7	1.1	1.8	.3								3.8	6.8
SSW	1.8	1.5	1.5	.7								5.5	6.0
SW	1.4	3.0	1.6	1.0								7.0	6.3
WSW	1.2	2.2	1.5	.1								5.1	5.3
W	3.4	4.3	2.6	1.0								11.2	5.7
WNW	1.8	2.5	2.7	1.1								8.1	6.5
NW	2.5	3.6	2.1	.8								8.9	5.8
NNW	1.5	4.4	3.6	1.2								10.7	6.5
VARB.													
CALM												11.0	
	19.2	32.5	27.6	9.7								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

729

2180

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
GROUP (L.S.V.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.5	3.1	1.4								9.1	7.1
NNE	1.1	4.0	3.0	1.2								9.3	6.7
NE	.8	2.2	.8	.8								4.4	6.3
NNE	.5	1.5	1.5	.4								4.0	6.7
E	.1	2.0	1.5	.7								4.4	7.1
ESE	.4	1.4	.7	.3								2.7	6.1
SE	.7	1.1	.8									2.6	5.3
SSE	.8	.8	1.0	.4								3.0	6.7
S	1.0	.4	1.2	.7								3.3	7.2
SSW	.5	1.9	1.6	1.1								5.2	7.4
SW	.5	1.5	2.0	2.3	.3							6.7	8.8
WSW	1.4	2.6	3.5	1.4								8.9	7.2
W	1.5	2.2	4.0	.5	.1							8.3	6.8
WW	.7	2.0	2.5	2.9	.3							8.3	9.1
NW	.4	1.6	4.1	2.5	.1							8.7	9.1
NNW	.7	3.3	3.7	1.4	.1							9.1	7.7
VARS													
CALM												2.0	
	12.3	32.1	35.1	17.6	1.0							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

733



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

728040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR 10 OCT MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	5.0	3.9	1.0								10.3	6.5
NNE	.6	3.3	2.3	.9								6.6	6.5
NE	.3	2.3	1.9	.6								5.1	6.9
NNE	.4	1.5	.9	.3								2.6	5.6
E	1.8	2.3	1.0									5.1	6.7
ESE	.7	3.7	1.9	.9								6.2	6.0
SE	.6	4.1	2.5	.6								7.7	6.6
SSE	.4	1.2	1.8	.8	.1							4.4	7.8
S	.6	1.4	1.2	1.1	.1							4.4	8.3
SSW		1.1	2.3	1.1								4.7	8.5
SW	.1	.6	1.5	1.7	.1							4.0	10.3
WSW	.1	1.1	3.6	1.8	.1							6.7	9.3
W	.6	2.3	2.9	1.0	.3							6.6	7.9
WW	.9	1.9	3.6	2.1	.3							8.3	8.9
NW	.6	1.1	4.3	2.6	.1							8.7	9.3
NNW	.7	1.9	3.6	.8	.3							7.3	8.0
VARIABLE													
CALM												1.2	
	8.7	35.0	37.5	16.1	1.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 726

2181

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

124040  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 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	2.5	4.1	3.0	.4								10.0	5.5
NNE	1.0	2.6	1.6	.5								5.7	6.2
NE	.3	2.0	.5	.1	.1							3.1	6.2
NNE	.7	.4	.4	.1								1.6	5.5
E	.7	.7	1.0	.4								2.7	6.5
ESE	1.8	2.0	1.0	.3	.1							5.2	5.5
SE	.8	3.8	3.0	1.0								8.6	6.7
SSE	1.8	4.4	3.3	1.6								11.1	6.7
S	1.5	2.7	2.0	.8								7.1	6.0
SSW	.3	1.6	1.0	.4	.1	.1						3.5	6.0
SW	1.0	1.0	1.5	.7	.1							4.2	7.4
WSW	.1	1.2	1.2	.7	.1							3.4	8.3
W	.4	2.3	2.6	.8	.3	.1						6.5	8.0
WNW	.5	2.5	2.6	1.5	.5							7.6	8.5
NW	1.8	1.5	3.0	2.3								8.6	7.8
NNW	1.0	2.5	2.9	1.0								7.2	7.0
VARIABLE													
CALM												3.7	
	16.0	35.3	30.6	12.7	1.5	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

733

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

120040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.9	2.1	.9								7.7	5.3
NNE	1.1	1.9	.8									3.3	4.8
NE	1.0	1.1	1.1	.3								3.9	5.6
NNE	.4	1.1	.5									2.1	5.4
E	.8	1.1	1.5	.8								4.3	6.7
ESE	.5	.8	.4	.5								2.3	6.7
SE	.8	.7	.7	.1								2.3	5.8
SSE	2.5	2.7	1.1	.1								6.5	4.7
S	5.2	7.1	1.8									14.1	4.4
SSW	3.0	3.0	1.2	.5								7.8	5.1
SW	2.1	2.2	.7									4.9	4.2
WSW	.7	1.4										2.1	3.5
W	1.4	1.4	2.5	.4	.1	.1						5.9	7.0
WW	.4	1.5	1.4	.8	.1							4.3	7.6
NW	1.4	1.1	1.9	1.5								5.9	7.7
NNW	2.6	2.5	2.7	.8								8.7	5.9
VARS													
CALM												14.4	
	26.2	42.0	20.5	6.5	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 728

2182

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

125000  
STATION

PATUENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

2130-2300  
GROUP (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.4	2.5	1.0	.7								6.5	5.8
NNE	1.2	1.1	1.8	.5								4.7	6.2
NE	1.1	1.5	1.1	.4								4.1	5.8
NNE	.7	.5	.5	.1								1.9	5.2
E	.4	2.5	1.6	.1								4.7	6.0
ESE	.4	1.0	.7	.1								2.2	6.0
SE	.4	1.4	.8	.3								2.9	6.2
SSE	1.8	1.4	.5	.1								3.8	4.5
S	3.2	4.3	2.6									10.0	4.8
SSW	2.3	3.2	2.1	.5								8.1	5.7
SW	1.9	3.2	2.3	.7								8.1	5.9
WSW	.8	1.2	1.1	.1								3.3	5.6
W	1.4	2.2	1.5	.4	.4							5.9	6.7
WNW	1.2	1.1	1.5	.5								4.4	6.3
NW	2.1	1.6	1.4	1.2								6.3	6.0
NNW	.5	4.1	3.8	.5								9.1	6.7
VARB													
CALM												15.0	
	20.9	32.7	24.5	6.6	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 728

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MACTAC

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEAR: 73-80      MONTH: OCT

CLASS: ALL WEATHER

CONDITION: ALL

SPEED (KNTS) DIR.	1-3	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	2.5	.8								7.4	6.4
NNE	1.0	2.4	2.0	.7								6.0	6.5
NE	.7	1.8	1.3	.4	.0							4.2	6.3
NNE	.6	1.2	.9	.2								2.9	5.9
E	.8	1.6	1.1	.4								3.8	6.0
ESE	.7	1.3	.7	.3	.0							3.0	6.0
SE	.6	1.5	1.1	.3								3.5	6.3
SSE	1.2	1.6	1.2	.5	.0							4.5	6.1
S	2.0	2.5	1.8	.5	.0							6.7	5.6
SSW	1.6	2.3	1.7	.7	.0	.0						6.3	6.2
SW	1.5	2.1	1.7	1.0	.1							6.3	6.5
WSW	1.0	1.6	1.7	.6	.0							5.0	6.6
W	1.6	2.7	2.5	.6	.2	.0						7.6	6.6
WNW	1.1	2.2	2.3	1.8	.2	.0						7.1	7.5
NW	1.5	2.1	2.6	1.9	.0	.0						7.7	7.3
NNW	1.3	3.1	3.3	.9	.1							8.6	6.7
VARIABLE													
CALM												9.3	
	18.1	32.9	28.3	10.6	.6	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 5896

2183

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA

# SURFACE WINDS

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

STATION: 72140 PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: NOV  
 CLASS: ALL WEATHER HOURS (L.S.T.): 0000-0200  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.4	2.5	.3								6.0	6.4
NNE	.3	1.7	2.1	.6								4.6	6.8
NE	.7	2.9	1.4									5.0	5.7
ENE	.3	1.1	1.4									2.8	6.5
E	.1	.7	.4	.1								1.4	5.9
ESE	.1	.6	.6									1.3	6.1
SE	.4	.7	.3	.3								1.7	6.0
SSE	1.1	.7	1.0									2.8	4.9
S	1.0	1.8	1.8	.8								5.5	6.9
SSW	.7	2.1	2.5	1.5								6.9	7.8
SW	.8	1.8	2.4	2.2								7.3	8.1
WSW	1.3	1.3	2.1	1.7	.1							6.5	7.9
W	3.2	3.2	2.1	.7								9.3	5.3
WNW	1.5	2.2	2.9	1.0								7.7	6.6
NW	1.7	3.5	2.7	1.7								9.5	7.1
NNW	1.0	3.4	4.1	1.5								10.0	7.3
VARBL													
CALM												11.8	
	15.1	30.2	30.3	12.5	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 713

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION FAUXENT RIVER NAS MD YEAR 73-80 NGV 0300-0500  
STATION NAME YEARS DATE  
 CLASS ALL WEATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.5	2.0	.4								5.6	6.5
NNE	1.0	2.8	2.7	.1								6.6	6.7
NE	1.0	1.3	1.6	.1								3.9	5.9
ENE	.4	1.1	1.1	.1								2.8	6.1
E	.7	1.1	.3									2.1	4.7
ESE		.6	.7									1.3	6.9
SE	.3	.7	.6									1.6	5.5
SSE	.5	1.4	.6									2.3	5.6
S	1.1	1.6	1.6	.4								4.7	5.8
SSW	.7	2.4	1.3	1.1								5.5	7.2
SW	1.4	2.1	2.3	1.8								7.6	7.2
WSW	.9	1.7	1.8	.8	.1							5.4	7.3
W	2.3	4.7	2.7	.7								10.3	5.7
WNW	2.0	2.3	2.5	.8								7.6	6.3
NW	3.2	2.8	3.1	1.3								10.4	6.1
NNW	1.6	4.2	4.1	1.8	.4							12.1	7.5
VARBL													
CALM												10.0	
	17.6	33.3	28.8	9.7	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 709

2184

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 4 PATUXENT RIVER NAS MD YEARS 73-80 MONTH NOV  
STATION NAME YEARS MONTH  
 CLASS ALL WEATHER 1600-2200  
CLASS HOURS (L.S.T.)  
 CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.4	2.7	.6								5.7	7.1
NNE	.3	1.3	3.0	.1								4.7	7.0
NE	.4	1.7	1.7									3.8	6.2
ENE	.6	1.1	1.1									2.8	6.1
E	.7	1.4	.7	.3	.1							3.3	6.3
ESE		.1	.6	.1								.9	8.2
SE	.3	.9	.3									1.4	8.1
SSE		1.3	.7	.1								2.1	6.4
S	1.0	2.0	.7	.9								4.6	6.6
SSW	1.1	1.6	2.7	.6								5.0	6.7
SW	.9	2.3	2.6	1.8								7.5	7.7
WSW	2.6	2.8	1.3	.7	.1							7.5	5.6
W	2.3	3.6	2.4	1.1								9.4	6.2
WNW	3.0	2.4	1.4	2.0								8.8	6.3
NW	2.6	2.6	2.6	1.7	.1							9.5	6.7
NNW	1.3	4.6	3.8	1.7								11.4	7.0
VARBL													
CALM												10.5	
	17.9	31.0	28.3	11.8	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 703



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 40 PATUXENT RIVER NAS MD YEAR 73-80 NOY NOV  
STATION NAME CLASS

ALL WEATHER 0900-1100  
CONDITION NOY (L.C.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.5	3.5	1.4	.1							8.3	7.6
NNE	.8	1.7	3.0	.6								6.1	6.7
NE	.3	1.7	1.8	.3								4.1	6.7
ENE	.3	.8	1.7	.4								3.2	7.4
E	.6	1.0	1.3	.3								3.1	6.0
ESE	.4	1.1	1.3									2.8	6.7
SE	.4	1.0	.7	.4								2.5	6.8
SSE	.3	1.4	.8	.4								3.5	5.8
S	.7	1.3	2.4	.6	.3							5.2	8.4
SSW		.7	2.3	1.4	.1							4.5	9.8
SW	.4	1.7	2.7	2.1	.3							7.2	8.9
WSW	.7	1.3	1.6	1.8								5.4	8.3
W	1.6	2.5	5.1	2.3	.5							11.7	8.0
WNW	.7	2.4	1.7	2.0	.3							7.1	8.7
NW	.8	1.4	2.7	3.7	.1							8.8	9.4
NNW	1.0	3.2	5.2	2.8	.1							12.4	8.4
VARB													
CALM												4.0	
	10.3	25.8	37.7	20.5	1.7							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 708

2185

JUNIOR CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

77440 PATUXENT RIVER NAS MD 73-80 NOV  
STATION NO. STATION NAME YEAR MONTH

ALL WEATHER  
CLASS

1200-1400  
PERIOD (L.T.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	4.8	3.1	.9								9.8	6.4
NNE	.1	2.4	3.0									5.5	6.9
NE	.6	1.4	2.1									4.1	6.6
ENE	.4	.9	.6	.4								2.3	6.7
E	.9	1.1	.9	.1								3.0	5.5
ESE	.6	2.4	.9									3.8	5.2
SE	1.4	3.7	3.3	.3								8.7	6.0
SSE	.4	1.7	2.8	1.6								6.5	6.3
S	.3	.3	2.6	1.4								4.5	9.3
SSW	.3	1.6	1.8	1.0								4.7	8.1
SW	.6	.9	2.1	2.0	.1	.1						5.8	9.4
WSW	.4	.9	2.0	1.8	.1	.1						5.3	9.6
W	.6	1.7	4.1	1.8	.1	.1						8.5	8.7
WNW		1.8	2.7	2.8	.6							8.0	10.2
NW	.4	.7	3.0	3.6	.1	.1						8.0	10.4
NNW	.7	1.8	3.6	3.7	.3							10.1	9.5
VARBL													
CALM												1.4	
	8.7	28.1	38.5	21.4	1.4	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 704

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

72-49 STATION PATUXENT RIVER NAS MD 73-80 YEARS NOV 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	48-53	≥56	%	MEAN WIND SPEED
N	2.7	3.1	3.1	1.0								10.0	6.0
NNE	.4	3.1	1.7									5.3	5.6
NE	1.0	1.1	1.1	.3								3.6	5.9
ENE	.7	1.1	.4	.1								2.4	5.0
E	.6	.9	.7	.1								2.3	5.7
ESE	.7	1.7	.9									3.3	5.0
SE	2.1	4.0	1.9	.1								8.1	5.3
SSE	.7	4.9	5.3	.7								11.6	6.9
S	1.9	2.4	2.3	.4								7.0	5.8
SSW	.3	.6	2.1	.7	.1							3.9	8.6
SW	.4	1.0	2.0	1.0	.1							4.6	8.5
WSW	.4	1.3	2.3	1.1								5.1	8.2
W	.7	3.4	2.9	.7								7.7	6.9
WNW	.6	.4	1.4	2.0	.6							5.0	10.7
NW	.3	2.0	2.6	2.3								7.1	8.7
NNW	1.6	2.7	3.0	2.4	.3	.1						10.1	8.4
VARBL													
CALM												2.9	
	15.1	33.9	33.7	13.1	1.1	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 700

2186

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
GROUP (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	2.0	2.8	1.8	.4								7.1	5.5
NNE	.6	1.1	1.6									3.3	5.9
NE	.6	1.4	1.3									3.3	6.0
ENE	.4	.6	1.0	.6								2.6	7.4
E	.3	.9	1.4	.4								3.0	7.4
ESE	.9	.1	.6									1.6	4.6
SE	1.3	1.6	1.6									4.4	5.4
SSE	1.3	2.3	1.6	.3								5.4	5.7
S	4.3	4.2	2.6	.6								11.5	5.0
SSW	2.0	2.4	3.1	.4								7.9	6.1
SW	1.8	1.4	1.3	.6								5.1	5.7
WSW	1.1	.9	.3	.3	.1							2.7	5.5
W	1.4	1.0	1.7	.7								4.8	6.4
WNW	1.3	1.4	1.0	1.4	.4	.1						5.7	8.3
NW	1.3	1.8	1.8	1.7								6.7	7.4
NNW	1.7	3.4	3.0	2.1	.4							10.6	7.7
VARBL													
CALM												14.5	
	22.1	27.2	25.5	9.5	1.0	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 705

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION NO. 40 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 MONTH NOV  
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	1.6	1.1								6.6	6.8
NNE	1.0	1.8	.4	.3								3.5	5.1
NE	.6	2.1	1.6	.1								4.4	6.1
NNE	.7	1.1	1.4	.3								3.5	6.4
E	.1	.6	.6	.7								2.0	8.8
ESE	.1	.6	.8									1.6	6.3
SE	1.0	.4	1.7									3.1	6.1
SSE	1.0	1.7	1.4	.1								4.2	5.5
S	2.1	2.5	1.8	1.0	.1							7.6	6.1
SSW	1.7	1.8	3.2	1.3								8.1	6.9
SW	1.4	1.8	2.3	2.0								7.5	7.6
WSW	1.1	1.1	1.6	.1								4.0	5.7
W	1.6	1.1	1.8	.6								5.1	6.1
WNW	1.8	2.3	2.7	2.0								8.8	7.3
NW	1.6	2.0	2.3	2.0	.1							7.9	7.5
NNW	1.6	4.8	2.8	1.6	.3							11.0	7.1
VARBL													
CALM												11.2	
	18.5	28.7	28.0	13.1	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 708

2187

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724140 PATUXENT RIVER NAS MD 73-80 NOV  
STATION STATION NAME YEAR MONTH

ALL WEATHER  
CLASS

ALL  
WINDS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.8	2.5	.8	.0							7.4	6.5
NNE	.6	2.0	2.2	.2								5.0	6.3
NE	.6	1.7	1.6	.1								4.0	6.1
ENE	.5	1.0	1.1	.2								2.8	6.5
E	.5	1.0	.8	.3	.0							2.5	6.2
ESE	.4	.9	.8	.0								2.1	5.7
SE	.9	1.6	1.3	.1								3.9	5.7
SSE	.7	1.9	1.8	.4								4.8	6.5
S	1.5	2.0	2.0	.8	.1							6.3	6.4
SSW	.8	1.6	2.4	1.0	.0							5.9	7.4
SW	1.0	1.6	2.2	1.7	.1	.0						6.6	7.9
WSW	1.1	1.4	1.6	1.1	.1	.0						5.2	7.4
W	1.7	2.7	2.8	1.1	.1	.0						8.4	6.7
WNW	1.4	1.9	2.1	1.8	.2	.0						7.3	7.9
NW	1.5	2.1	2.6	2.2	.1	.0						8.5	7.8
NNW	1.3	3.5	3.7	2.2	.2	.0						11.0	7.9
VARB													
CALM												8.3	
	15.7	29.8	31.3	14.0	.9	.1						100.3	6.4

TOTAL NUMBER OF OBSERVATIONS 5650

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

72-40 STATION PATUXENT RIVER NAS MD 73-80 YEARS DEC MONTH  
 ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	4.4	1.5	1.0	.5	.1						9.7	6.2
NNE	.8	1.4	2.2	.1								4.5	6.5
NE	.7	1.0	.7	.8								3.1	6.9
NNE	1.1	1.6	.1									2.9	4.0
E	1.0	.8	.5									2.3	4.5
ESE	.4	.4	.1									1.0	4.6
SE	.7	.8	.5									2.1	5.3
SSE	1.5	1.1	.4	.4								3.4	5.2
S	1.0	2.2	1.4	1.1								5.6	7.3
SSW	1.2	1.5	.8	1.1	.1							4.8	7.1
SW	1.6	2.2	3.3	2.6	.1							9.8	8.1
WSW	.7	1.4	1.9	1.2								5.2	7.8
W	1.2	1.8	1.5	1.2								5.7	6.7
WNW	.7	1.6	2.5	2.3	.5							7.7	9.6
NW	2.1	2.9	2.3	2.1	.5							9.8	7.6
NNW	1.4	3.6	4.4	1.0								10.3	6.9
VARBL													
CALM												12.0	
	18.5	28.6	24.2	14.9	1.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 731

2188

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.2	2.6	1.0	.1	.3						8.3	6.9
NNE	1.8	1.8	3.0	.1								6.7	5.9
NE	.8	1.5	1.6	.4								4.4	6.5
ENE	.7	1.4	.1	.3								2.5	5.2
E	.4	.8	.8	.3								2.3	6.4
ESE	.7	.7	.1									1.5	4.4
SE	.4	1.0	.7									2.1	5.7
SSE	.7	1.1	.4	.4								2.6	6.7
S	3.0	2.2	.7	.4	.1							6.4	4.9
SSW	.5	1.8	1.4	1.1	.1	.1						5.1	8.3
SW	.4	1.5	2.1	1.1								5.1	8.0
WSW	2.2	2.3	2.5	.7								7.7	5.9
W	1.6	3.1	1.9	.4								7.1	5.6
WNW	1.2	1.4	1.8	2.9	.7							7.9	9.3
NW	1.9	2.1	2.3	2.3	.3	.1						9.0	8.2
NNW	2.6	3.7	3.7	1.0	.5							11.5	6.7
VARBL													
CALM												9.8	
	21.2	28.5	25.7	12.3	1.9	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 731



FEDERAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 73-040 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 MONTH DEC  
 CLASS ALL WEATHER NUMBER OF MONTHS 0600-0800  
 CONDITION \_\_\_\_\_  
 (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.8	4.1	.8	.1							9.4	6.6
NNE	.4	2.3	1.4	.5								4.6	6.7
NE	.4	1.4	.7									2.4	5.3
NNE	.5	2.9	.8									4.2	5.3
E	1.0	1.2	.5	.4	.3							3.4	7.1
ESE	.4	.7	.3									1.4	5.3
SE	.7	.3	.4									1.4	4.8
SSE	1.2	1.0	.5	.5								3.3	5.8
S	2.2	1.9	1.2	.1								5.4	4.8
SSW	1.4	1.1	2.6	1.6	.4							7.1	8.4
SW	.5	1.6	2.3	1.4								5.9	7.6
WSW	1.5	1.2	1.5	.3								4.5	5.7
W	2.9	2.6	1.5	.7								7.6	5.1
WNW	1.5	1.4	1.8	2.0	1.0							7.6	9.4
NW	1.6	2.4	1.8	3.4	.3							9.5	8.5
NNW	2.2	3.3	4.2	1.2	.4	.1						11.4	7.2
VARBL													
CALM												10.9	
	21.0	25.9	25.6	13.1	2.9	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 735

68170

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

12-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
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	1.6	4.8	1.4	.1							8.3	8.5
NNE	.7	1.9	2.3	.3								5.2	6.6
NE	.5	1.6	1.0									3.1	5.5
ENE	1.2	2.3	.8									4.4	4.9
E	1.2	2.0	1.0		.1	.1	.1					4.6	6.5
ESE	.7	1.1	.3	.1								2.2	4.8
SE	.7	1.2	1.1	.1								3.1	5.7
SSE	.1	1.2	1.5	.1								3.0	7.0
S	.4	1.4	2.6	.8								5.2	7.8
SSW	1.0	1.6	1.9	1.4	.8	.1						6.8	9.0
SW	1.5	1.4	2.3	4.0								9.2	9.0
WSW		.8	2.9	1.6								5.3	4.2
W	1.0	1.2	1.8	.5								4.5	6.5
WNW	1.1	2.0	2.2	1.5	1.1	.3						8.2	9.7
NW	.7	1.9	2.5	5.2	.8							11.1	10.3
NNW	1.1	2.5	3.3	2.7	.4	.1						10.1	9.1
VARBL													
CALM												5.6	
	12.3	26.0	32.1	19.8	3.4	.7	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 120040 PATUXEN RIVER NAS MD YEAR 73-80 MONTH DEC  
 CLASS ALL WEATHER MONTHS (L.B.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	48-53	≥34	%	MEAN WIND SPEED
N	.6	2.5	2.9	1.2								7.2	7.5
NNE	1.1	3.6	2.8	.1								7.6	6.0
NE	.6	2.3	.8									3.7	5.1
NNE	1.5	1.4	.4			.1						3.4	4.7
E	.8	1.5	.1			.1	.1					2.8	6.2
ESE	.8	2.1	.4	.1								3.4	5.0
SE	1.0	2.2	2.3	.4								5.9	6.4
SSE	.4	.6	1.9	.4								3.3	7.6
S	.3	1.9	2.1	1.5	.1							5.9	6.3
SSW	.4	1.8	2.9	1.8	.4							7.3	8.8
SW		.7	3.2	3.3	.4							7.6	11.0
WSW	.4	.8	2.5	2.1	.1							5.9	9.1
W	.8	1.5	1.9	1.5	.3							6.1	8.8
WNW	.1	1.8	1.9	2.8	.6	.4						7.6	11.1
NW	.8	1.2	4.4	5.4	.6	.4						12.8	10.7
NNW	.6	1.4	2.9	2.3	.4							7.6	9.6
VARB													
CALM												2.1	
	10.2	27.2	33.4	23.0	2.9	1.1	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 727

2190

FEDERAL CLIMATOLOGY BRANCH  
 U.S. DEPT. OF COMMERCE  
 NATIONAL WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEARS: 73-80      MONTHS: DEC  
 CLASS: ALL WEATHER      MONTHS (L.S.T.): 1500-1700  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.3	2.6	.8								7.9	6.3
NNE	1.5	2.7	1.4	.1								5.7	5.2
NE	1.5	1.6	.8									4.0	4.7
ENE	1.2	1.0	.3									2.5	3.8
E	1.9	.4	.7	.1			.1					3.3	5.3
ESE	.8	1.4	.7	.1	.1	.1						3.3	6.9
SE	1.5	2.5	1.2	.5								5.7	5.7
SSE	1.6	1.8	2.5	.4	.3							6.6	6.6
S	2.6	2.6	1.6	.8								7.7	5.5
SSW	.7	2.6	1.8	1.6								6.7	7.4
SW	.5	1.4	1.1	2.2	.1							5.3	9.3
WSW	.1	1.2	1.0	1.0	.1							3.4	8.2
W	1.2	2.6	1.6	1.5								7.0	7.0
WNW	.7	1.5	2.2	2.3	.8	.1						7.7	10.5
NW	.7	1.6	3.8	3.1	.1							9.4	9.2
NNW	1.1	2.7	1.8	2.0								7.7	7.8
VARBL													
CALM												6.3	
	19.9	29.9	25.0	16.8	1.6	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 732

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 040 PATUXENT RIVER NAS MD      YEAR: 73-80      CLC: \_\_\_\_\_  
STATION NAME      YEARS      MONTH  
 CLASS: ALL WEATHER      100-2000  
CLASS      WIND (L.S.T.)  
 CONDITION: \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	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	3.5	1.8	.7	.3							7.9	6.5
NNE	.8	1.0	1.5	.5								3.5	6.9
NE	1.6	.5	.7	.3								3.1	4.9
ENE	1.4	1.1	.1	.4								3.0	4.7
E	.8	1.4	.1	.3								2.6	5.2
ESE	.3	.7	.3	.3		.1						1.6	7.5
SE	1.2	1.0	.5	.1	.1							3.0	5.1
SSE	1.2	1.9	.8	1.0	.1							5.0	6.8
S	3.0	4.0	1.9	.7								9.5	5.4
SSW	2.7	2.0	1.2	.8	.5							7.4	6.5
SW	1.2	1.0	2.3	2.0								6.5	8.3
WSW	1.2	.5	1.0	.3								3.0	5.6
W	1.0	1.8	.8	.4	.1							4.1	6.0
WNW	.4	.5	1.8	1.6	.5	.1						4.8	11.5
NW	1.4	1.1	1.9	1.8	.1	.3						6.5	6.9
NNW	2.0	3.3	3.1	1.8	.1							10.4	7.0
VARBL													
CALM												17.6	
	22.0	25.0	19.9	13.0	2.0	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 733

2191

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 METEOROLOGICAL SERVICE/MAC

## SURFACE WINDS

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

STATION: PATUXENT RIVER NAS MD      YEAR: 73-80      D.C. NORTH

ALL WEATHER      2100-2300  
CLASB      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	3.7	2.3	.8	.1							5.6	6.1
NNE	.4	2.2	1.9	.4								4.9	7.0
NE	.8	.8	1.5	.4								3.0	6.5
ENE	1.8	1.7	.3									3.0	3.0
E	1.5	1.0	.3									2.7	3.7
ESE	.5	.8	.3									1.6	4.8
SE	1.2	.5	1.1									2.9	4.9
SSE	.8	.7	.7	.3								2.5	6.7
S	2.3	3.4	1.5	1.0								8.2	5.7
SSW	1.4	1.6	2.5	1.4								6.8	7.1
SW	1.6	.7	2.9	1.9	.3							7.4	8.5
WSW	1.0	1.1	1.1	.7	.1							4.0	7.2
W	1.5	1.6	1.5	.3								4.9	5.6
WNW	1.2	1.0	1.2	2.9	.5							6.5	9.5
NW	1.6	2.2	1.2	2.0	.5	.1						7.8	4.3
NNW	1.6	3.5	4.1	1.5								13.4	7.1
VARBL													
CALM												14.6	
	21.7	25.1	23.7	13.5	1.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 734

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 7340 PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR DEC  
 CLASS ALL WEATHER MONTH 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	1.4	2.7	2.8	1.0	.1	.1						6.4	6.8
NNE	.9	2.1	2.0	.3								5.4	5.3
NE	.9	1.3	.9	.2								3.4	3.7
ENE	1.2	1.6	.4	.1		.0						3.2	4.6
E	1.1	1.1	.5	.1	.1	.0	.1					3.0	5.7
ESE	.6	1.0	.3	.1	.0	.0						2.0	5.5
SE	.9	1.2	1.0	.2	.0							3.3	5.6
SSE	1.0	1.2	1.1	.4	.1							3.7	6.5
S	1.8	2.4	1.6	.8	.0							6.7	6.1
SSW	1.2	1.3	1.9	1.3	.3	.0						6.5	7.8
SW	.9	1.3	2.4	2.3	.1							7.1	8.7
WSW	.9	1.2	1.8	1.0	.1							4.9	7.4
W	1.4	2.0	1.6	.8	.1							5.9	6.4
WNW	.9	1.4	1.9	2.5	.7	.1						7.2	10.0
NW	1.3	1.9	2.5	3.2	.4	.1						9.5	9.1
NNW	1.6	3.0	3.4	1.7	.2	.0						10.0	7.6
VARBL													
CALM												9.9	
	14.3	27.1	26.2	15.8	2.2	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 5855

2120

GLOBAL CLIMATOLOGY BRANCH  
 AFCE/AC  
 ALL WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 40 STATION NAME PATUXENT RIVER NAS MD YEARS 73-81 MONTH ALL  
 CLASS ALL WEATHER MODE (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.0	.6	.0	.0						6.5	6.3
NNE	1.0	2.3	1.7	.4	.0	.0						5.3	6.2
NE	.8	1.7	.9	.2	.0		.0					3.7	5.8
ENE	.8	1.3	.7	.2	.0	.0						2.9	5.6
E	.9	1.5	.9	.2	.0	.0	.0					3.5	5.7
ESE	.7	1.6	.9	.2	.0	.0						3.4	5.7
SE	.8	2.1	2.1	.6	.0	.0						5.6	6.8
SSE	1.1	2.3	2.4	1.0	.1	.0						6.9	7.0
S	2.1	3.0	2.0	.7	.0							7.9	5.9
SSW	1.1	1.8	2.1	1.0	.1	.0	.0					6.1	7.2
SW	1.0	1.8	2.2	1.3	.1	.0	.0					6.4	7.7
WSW	.8	1.4	1.6	.8	.1	.0	.0					4.8	7.4
W	1.5	2.3	1.7	.7	.1	.0	.0					6.3	6.5
WNW	1.3	1.9	1.7	1.3	.3	.1	.0					6.6	7.9
NW	1.4	2.0	2.3	2.0	.3	.1	.0					8.0	6.1
NNW	1.5	2.5	2.6	1.2	.2	.0	.0					7.9	7.1
VARBL													
CALM												8.2	
	18.2	31.7	27.9	12.4	1.4	.3	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 68788



U.S. NAVAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

724840 PATUXENT RIVER NAS MD 73-81 ALL  
STATION STATION NAME YEAR MONTH

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

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

CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	2.0	4.1	4.1	1.5	.1							11.8	6.6
NNE	1.6	4.5	4.2	1.1	.1	.0						11.4	6.7
NE	.9	2.8	2.3	.9	.0		.0					6.9	6.9
NNE	.9	2.1	2.0	.6	.1							5.7	6.8
E	1.2	2.7	2.2	.8	.1	.0	.0					7.1	6.9
ESE	.8	1.9	1.7	.5	.0	.0						4.9	6.7
SE	.7	2.2	2.3	.7	.1	.0						5.9	7.2
SSE	.8	1.6	1.8	1.0	.1	.0						5.4	7.6
S	1.3	2.1	1.4	.7	.2							5.6	6.7
SSW	.6	1.3	1.3	.7	.0							3.9	7.2
SW	.6	1.2	1.1	.6	.1							3.7	7.3
WSW	.5	1.0	.7	.2	.1							2.6	6.7
W	1.3	1.9	1.1	.3	.1	.0						4.6	5.7
WNW	1.1	1.3	.6	.3	.1	.0	.0					3.4	5.8
NW	1.2	1.3	1.4	.5	.1	.0						4.6	6.6
NNW	1.4	1.7	1.7	.5	.0		.0					5.4	6.3
VARBL													
CALM												7.0	
	17.0	43.7	30.0	10.9	1.2	.2	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 7527

2133

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

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

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

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

#### ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	.4	49.9	50.3	50.3	50.6	50.9	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IVM 18000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IVM 16000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IVM 14000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IVM 12000	.4	55.1	55.5	55.7	56.2	56.5	56.6	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9
IVM 10000	.4	59.3	60.2	60.3	60.8	61.1	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5
IVM 9000	.4	59.5	60.3	60.4	61.0	61.3	61.4	61.4	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7
IVM 8000	.4	64.8	65.9	66.0	66.6	66.8	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3
IVM 7000	.7	66.2	67.3	67.5	68.1	68.3	68.5	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8
IVM 6000	.7	66.4	67.5	67.8	68.3	68.6	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0
IVM 5000	.7	67.1	68.2	68.5	69.0	69.3	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7
IVM 4500	.7	69.0	70.1	70.4	71.1	71.4	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8
IVM 4000	.7	70.8	72.0	72.4	73.4	73.7	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1
IVM 3500	.7	71.9	73.4	73.8	74.8	75.0	75.2	75.2	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6
IVM 3000	.8	73.3	75.0	75.6	76.8	77.1	77.2	77.4	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8
IVM 2500	.8	73.8	76.0	76.5	77.8	78.0	78.2	78.3	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7
IVM 2000	.8	75.2	77.4	77.9	79.1	79.4	79.5	79.7	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2
IVM 1800	.8	76.1	78.6	79.1	80.4	80.6	80.8	80.9	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4
IVM 1500	.8	77.1	79.7	80.2	81.6	81.9	82.1	82.3	82.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9
IVM 1200	.8	77.4	79.9	80.5	81.9	82.3	82.5	82.7	82.7	82.9	83.4	83.4	83.4	83.4	83.4	83.4
IVM 1000	.8	78.6	81.3	81.9	83.8	84.3	84.7	85.0	85.1	85.5	85.9	85.9	85.9	85.9	85.9	85.9
IVM 900	.8	78.7	81.6	82.4	84.9	85.7	86.1	86.4	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3
IVM 800	.8	78.9	81.7	82.8	85.3	86.2	86.6	86.9	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0
IVM 700	.8	79.4	82.3	83.5	86.1	87.0	87.4	87.7	87.9	88.4	88.8	88.8	88.8	88.8	88.8	88.8
IVM 600	.8	79.9	82.8	84.2	87.0	88.0	88.5	88.8	88.9	89.5	89.9	89.9	89.9	89.9	89.9	89.9
IVM 500	.8	80.4	83.4	85.4	89.2	90.2	90.9	91.3	91.4	92.0	92.4	92.4	92.5	92.5	92.5	92.5
IVM 400	.8	80.6	83.8	85.8	89.9	91.0	91.7	92.4	92.5	93.2	94.0	94.0	94.3	94.3	94.3	94.3
IVM 300	.8	80.6	83.8	86.1	90.5	91.5	92.8	93.7	94.0	95.0	95.8	95.8	96.3	96.5	96.5	96.6
IVM 200	.8	80.6	83.8	86.1	90.6	91.8	93.2	94.4	94.7	95.8	96.7	96.7	97.3	97.4	97.5	98.0
IVM 100	.8	80.8	83.9	86.2	90.7	92.0	93.5	94.7	95.0	96.2	97.1	97.1	97.8	98.0	98.5	99.6
IVM 0	.8	80.8	83.9	86.2	90.7	92.0	93.5	94.7	95.0	96.2	97.1	97.1	97.8	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

74-8100 PATUXENT RIVER NAS 40

74-81

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

US00-US00  
 HOURS-TST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.5	≥.5 1/2	≥.5	≥0
NO CEILING	.3	48.4	49.2	49.5	49.9	50.0	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 18000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 16000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000	.3	52.3	53.3	53.8	54.2	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	.3	52.7	53.7	54.2	54.6	54.8	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	.3	57.1	58.6	59.1	59.5	59.7	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 9000	.3	57.8	59.3	59.8	60.2	60.4	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	.3	62.4	64.0	64.6	65.0	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	.3	64.6	66.3	67.2	67.6	67.7	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	.3	64.6	66.3	67.2	67.6	67.7	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	.3	65.4	67.2	68.0	68.5	68.7	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4500	.3	68.0	70.2	71.1	71.8	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4000	.3	69.7	71.4	72.6	73.3	73.4	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	.3	69.8	72.5	73.7	74.7	74.8	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3000	.3	70.6	73.6	74.9	75.9	76.2	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.2
IV 2500	.4	71.5	74.9	76.4	77.4	77.7	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.7
IV 2000	.4	73.0	76.4	77.9	79.0	79.3	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.4
IV 1800	.4	73.4	76.8	78.6	79.8	80.1	80.8	80.8	80.8	80.9	81.2	81.2	81.2	81.2	81.2	81.5
IV 1500	.4	73.6	77.1	79.2	80.7	80.9	81.6	81.6	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.3
IV 1200	.4	74.7	78.3	80.9	83.0	83.2	83.9	83.9	83.9	84.1	84.3	84.3	84.3	84.5	84.5	84.9
IV 1000	.4	74.8	78.6	81.5	83.7	83.9	84.6	84.6	84.6	84.9	85.1	85.1	85.1	85.3	85.4	85.8
IV 900	.4	75.1	79.2	82.2	84.6	85.0	85.7	85.7	85.7	86.1	86.4	86.4	86.5	86.6	86.8	87.2
IV 800	.4	75.5	79.7	82.7	85.4	86.1	86.8	86.8	86.8	87.2	87.5	87.5	87.6	87.7	87.9	88.4
IV 700	.4	75.9	80.1	83.4	86.5	87.2	87.9	87.9	87.9	88.3	88.6	88.6	88.7	88.8	89.0	89.5
IV 600	.4	76.2	80.7	84.6	88.1	89.1	90.1	90.1	90.1	90.5	90.7	90.7	90.9	91.0	91.1	91.7
IV 500	.4	76.3	80.8	85.0	89.9	91.1	92.5	92.6	92.6	93.1	93.3	93.3	93.6	93.7	94.0	94.6
IV 400	.4	76.3	80.8	85.0	90.2	91.6	93.1	93.6	93.7	94.6	94.8	94.8	95.1	95.2	95.6	96.2
IV 300	.4	76.4	80.9	85.1	90.3	91.7	93.2	93.9	94.1	95.2	95.9	95.9	96.5	96.6	97.1	97.8
IV 200	.4	76.4	80.9	85.1	90.3	91.8	93.3	94.0	94.3	95.5	96.2	96.2	97.3	97.4	98.2	99.2
IV 100	.4	76.4	80.9	85.1	90.3	91.8	93.3	94.0	94.3	95.5	96.2	96.2	97.4	97.5	98.4	100.0
IV 0	.4	76.4	80.9	85.1	90.3	91.8	93.3	94.0	94.3	95.5	96.2	96.2	97.4	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 754

GLCHAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12490 PATUXENT RIVER NAS MD

74-81

JAN

STATION

STATION NAME

YEARS

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	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	.1	40.7	42.6	43.2	43.3	43.3	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 20000	.1	47.0	49.2	49.9	50.0	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	.1	47.0	49.2	49.9	50.0	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	.1	47.1	49.3	50.0	50.1	50.1	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 14000	.1	47.3	49.5	50.1	50.3	50.3	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	.1	48.4	50.5	51.2	51.4	51.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 10000	.1	53.3	55.7	56.6	57.0	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	.1	53.7	56.1	57.0	57.4	57.4	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 8000	.1	58.5	61.3	62.3	62.7	62.7	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 7000	.1	60.4	63.7	64.8	65.3	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	.1	61.1	64.3	65.4	66.1	66.1	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 5000	.1	62.2	65.6	66.7	67.6	67.6	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	.3	65.2	68.7	69.8	70.8	70.8	71.2	71.6	71.6	71.7	71.7	71.9	71.9	71.9	72.0	72.0
IV 4000	.3	67.2	70.8	72.0	73.1	73.1	73.5	73.9	73.9	74.0	74.0	74.2	74.2	74.2	74.3	74.3
IV 3500	.3	67.5	71.2	72.5	73.6	73.6	74.0	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.9	74.9
IV 3000	.3	68.3	72.0	73.4	74.7	74.7	75.3	75.7	75.7	75.8	76.1	76.4	76.4	76.4	76.5	76.5
IV 2500	.3	69.9	73.6	75.1	76.9	76.9	77.5	77.9	77.9	78.0	78.3	78.6	78.6	78.6	78.7	78.7
IV 2000	.3	70.8	74.5	76.2	78.0	78.0	78.6	79.0	79.0	79.2	79.5	79.8	79.8	79.8	79.9	79.9
IV 1800	.3	70.8	74.5	76.6	78.4	78.4	79.0	79.4	79.4	79.6	79.9	80.2	80.2	80.2	80.3	80.3
IV 1500	.3	71.7	75.4	77.9	79.6	79.6	80.2	80.6	80.6	80.9	81.3	81.6	81.6	81.6	81.7	81.7
IV 1200	.3	72.7	76.4	79.0	81.0	81.0	81.6	82.0	82.0	82.4	82.8	83.1	83.1	83.1	83.2	83.2
IV 1000	.3	73.1	77.0	80.2	82.5	82.7	83.3	83.7	83.7	84.3	84.7	85.0	85.0	85.0	85.1	85.1
IV 900	.3	73.1	77.2	80.5	82.9	83.5	84.3	84.7	84.7	85.2	85.7	85.9	85.9	85.9	86.1	86.1
IV 800	.3	73.2	77.3	80.7	83.5	84.0	84.8	85.2	85.2	85.8	86.2	86.5	86.6	86.6	86.7	86.7
IV 700	.3	73.5	77.9	81.8	84.6	85.2	86.1	86.5	86.5	87.0	87.4	87.7	87.8	87.8	88.0	88.0
IV 600	.3	73.5	77.9	81.8	85.0	85.7	86.9	87.3	87.3	87.8	88.3	88.5	88.7	88.7	88.8	88.8
IV 500	.3	73.8	78.4	82.8	86.3	87.0	88.5	89.2	89.2	90.0	90.4	90.7	90.8	90.8	91.0	91.0
IV 400	.3	73.8	78.4	83.1	87.8	88.9	90.7	91.4	91.4	92.3	92.8	93.0	93.9	93.9	94.0	94.0
IV 300	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.3	93.3	94.1	94.4	95.4	95.4	95.9	95.9
IV 200	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.6	94.5	94.8	96.3	96.3	97.4	97.4
IV 100	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.9	94.8	95.1	97.4	97.7	98.8	98.8
IV 0	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.9	94.8	95.1	97.4	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1900-1100  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	
NO CEILING	.4	38.8	41.3	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 18000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 14000	.5	45.6	48.2	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 12000	.5	46.5	49.3	50.8	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 10000	.5	50.3	53.3	54.9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 9000	.5	51.1	54.2	55.9	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	.5	56.0	59.4	61.0	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 7000	.5	58.2	61.7	63.4	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	.5	59.0	62.7	64.6	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 5000	.5	61.0	64.7	66.6	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4500	1.0	63.9	68.1	70.3	71.4	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4000	1.0	65.9	70.2	72.3	73.6	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 3500	1.0	66.2	70.4	73.0	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3000	1.0	67.4	71.9	74.9	76.4	77.0	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500	1.0	67.8	72.3	75.5	77.0	77.5	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 2000	1.0	68.8	73.6	76.7	78.5	79.0	80.0	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 1800	1.0	69.1	73.8	77.2	79.2	79.7	80.7	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	1.0	69.8	74.5	77.9	80.0	80.5	81.6	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
IV 1200	1.0	70.2	75.1	78.7	80.9	81.5	82.7	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5
IV 1000	1.0	70.7	75.6	80.2	83.0	83.7	85.1	85.7	85.7	86.0	86.4	86.4	86.4	86.4	86.4	86.4
IV 900	1.0	70.7	75.6	80.5	83.8	84.6	86.0	86.5	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3
IV 800	1.0	70.7	75.6	80.5	83.8	84.6	86.2	86.9	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9
IV 700	1.0	71.0	76.2	81.3	84.9	85.8	87.5	88.3	88.3	88.8	89.4	89.4	89.6	89.6	89.6	89.6
IV 600	1.0	71.1	76.4	81.7	85.4	86.4	88.4	89.4	89.4	90.2	90.7	90.7	91.0	91.0	91.0	91.0
IV 500	1.0	71.1	76.7	82.6	86.5	87.9	91.0	92.1	92.1	93.2	93.9	93.9	94.7	94.7	94.7	94.7
IV 400	1.0	71.1	76.7	82.7	86.6	88.0	91.4	92.5	92.5	93.6	94.3	94.3	95.1	95.1	95.1	95.1
IV 300	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.2	93.2	94.4	95.4	95.4	96.6	96.6	96.7	96.7
IV 200	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	98.2	98.2	98.9	98.9
IV 100	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	98.6	98.6	99.3	100.0
IV 0	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 734



USAF ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: PATUXENT RIVER NAS MD

74-81

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1/2	≥ 1/2	≥ 1/4	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	.1	36.3	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 2000	.7	44.5	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 1800	.7	44.9	46.4	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
≥ 1600	.7	45.2	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1400	.7	45.9	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 1200	.7	47.1	48.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 1000	.4	51.5	53.8	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
≥ 800	.4	52.2	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 600	.4	58.5	61.1	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
≥ 400	.4	61.9	64.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 200	.3	62.6	65.5	67.0	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
≥ 100	.4	64.7	67.7	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 0	1.0	65.3	68.6	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2000	1.0	67.9	71.2	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1800	1.0	69.0	72.3	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1600	1.0	71.2	74.7	77.0	77.8	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1400	1.0	72.3	75.8	78.2	79.0	79.3	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1200	1.0	73.8	77.5	80.3	81.2	81.5	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	1.0	74.0	77.7	80.4	81.4	81.6	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 800	1.0	74.8	78.8	81.6	82.7	83.0	83.6	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 600	1.0	75.6	79.6	82.5	83.8	84.1	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 400	1.0	76.0	80.1	83.2	84.9	85.5	86.7	87.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 200	1.0	76.0	80.1	83.2	85.2	85.8	87.0	87.5	87.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 100	1.0	76.2	80.4	84.1	86.3	87.1	88.4	88.9	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 0	1.0	76.2	80.7	84.4	87.0	88.1	89.7	90.5	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	1.0	76.2	80.8	84.5	87.8	88.9	90.8	91.9	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3
≥ 1800	1.0	76.2	81.1	84.9	88.4	89.5	91.6	93.0	93.2	94.9	95.1	95.1	95.2	95.2	95.2	95.3	95.3
≥ 1600	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1400	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	98.1	98.1
≥ 1000	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 800	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 600	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 400	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 200	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 100	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
≥ 0	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-190 PATUXENT RIVER NAS MD

74-81

JAN

## 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	≥.7	≥.6	≥.5	≥0
NO CEILING	1.1	41.2	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 20000	1.1	48.6	49.7	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	1.1	48.8	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	1.1	48.8	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	1.1	49.9	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 12000	1.1	50.8	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 10000	1.1	53.6	55.1	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
IV 9000	1.1	53.9	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	1.1	57.6	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	1.1	62.1	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	1.1	62.9	65.1	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
IV 5000	1.1	64.8	67.0	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
IV 4500	1.1	65.4	67.6	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 4000	1.1	68.3	70.9	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 3500	1.1	70.5	73.1	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3000	1.1	73.5	76.3	78.5	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2500	1.1	74.1	77.0	79.2	79.8	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2000	1.1	75.2	78.1	80.8	81.8	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800	1.1	75.9	78.4	81.3	82.2	82.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1500	1.1	76.7	79.8	82.6	84.0	84.1	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1200	1.1	77.0	80.0	82.9	84.7	84.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1000	1.1	77.0	80.2	83.2	85.2	85.4	86.7	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3
IV 900	1.1	77.2	80.3	83.4	85.6	85.8	87.1	87.4	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0
IV 800	1.1	77.3	80.4	83.9	86.6	86.9	88.4	88.9	88.9	89.3	89.5	89.5	89.5	89.5	89.5	89.5
IV 700	1.1	77.3	80.6	84.1	87.0	87.3	88.8	89.3	89.3	90.0	90.2	90.2	90.3	90.3	90.3	90.3
IV 600	1.1	77.3	80.6	84.1	87.6	88.0	89.7	90.4	90.4	91.2	91.4	91.4	91.5	91.5	91.5	91.5
IV 500	1.1	77.4	80.7	84.3	88.2	88.6	90.4	91.1	91.1	92.3	92.7	92.7	92.9	92.9	92.9	92.9
IV 400	1.1	77.4	80.7	84.4	88.8	89.3	91.4	92.3	92.3	94.1	94.7	94.7	95.1	95.1	95.1	95.1
IV 300	1.1	77.4	80.7	84.5	89.1	89.6	91.9	93.7	93.7	95.9	96.6	96.6	97.1	97.1	97.3	97.3
IV 200	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.8	98.8	99.0	99.0
IV 100	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.9	98.9	99.5	99.6
IV 0	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.2	47.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	54.3	55.0	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
18000	54.4	55.1	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
16000	54.4	55.1	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
14000	54.5	55.2	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
12000	55.4	56.1	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
10000	58.4	59.1	60.2	60.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
9000	58.7	59.4	60.5	60.5	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
8000	63.2	64.0	65.2	65.3	65.4	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0
7000	65.2	66.0	67.2	67.4	67.5	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
6000	65.6	66.4	67.6	67.8	67.9	68.3	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
5000	66.7	67.5	68.7	68.9	69.0	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
4500	68.3	69.4	70.7	70.8	70.9	71.5	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
4000	70.7	72.5	74.2	74.5	74.7	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
3500	71.5	73.7	75.5	75.8	75.9	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3000	74.8	77.0	78.9	79.2	79.3	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2500	76.3	78.5	80.7	81.0	81.3	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2000	77.0	79.2	81.5	82.0	82.2	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1800	77.0	79.2	81.7	82.2	82.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1500	77.7	80.0	82.5	83.5	83.6	84.8	85.0	85.0	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3
1200	78.0	80.3	82.9	83.9	84.2	85.4	85.5	85.5	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8
1000	78.4	80.7	83.5	85.1	85.7	87.1	87.2	87.3	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6
900	78.5	81.0	83.9	85.7	86.2	87.7	88.3	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1
800	78.8	81.4	84.8	86.8	87.3	88.8	89.4	89.7	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.4
700	79.1	81.8	85.4	87.7	88.4	89.9	90.6	90.9	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6
600	1.0	79.3	82.5	86.2	88.8	89.5	91.2	91.9	92.1	92.7	92.8	92.8	93.0	93.0	93.0	93.0
500	1.0	79.3	82.6	86.4	89.4	90.5	92.4	93.1	93.4	94.1	94.5	94.6	94.6	94.6	94.6	94.6
400	1.0	79.3	82.8	86.6	89.8	90.9	93.3	93.9	94.2	95.0	95.7	95.7	95.9	95.9	95.9	95.9
300	1.0	79.3	82.8	86.6	89.8	90.9	93.5	94.2	94.8	95.7	96.4	96.4	96.7	96.7	96.8	96.8
200	1.0	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	98.6	98.6
100	1.0	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	99.0	99.3
0	1.0	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.7	50.3	51.1	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.3	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	.5	59.3	61.1	61.3	61.3	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	.5	59.3	61.1	61.3	61.3	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	.3	66.3	68.0	68.4	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	.4	67.9	69.5	69.9	69.9	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	.4	68.3	69.9	70.5	70.5	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	.4	69.2	70.9	71.4	71.4	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	.4	70.9	72.5	73.1	73.1	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	.3	72.3	73.9	74.5	74.5	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	.4	73.4	75.4	76.0	76.0	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	.4	75.8	78.2	78.7	78.7	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	.5	76.8	79.1	79.8	80.1	80.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	.3	78.3	80.6	81.6	82.0	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	.3	78.4	80.8	81.7	82.3	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1500	.3	79.1	81.9	83.0	83.7	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	.4	80.2	83.1	84.8	85.6	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	.4	80.2	83.1	84.9	86.0	86.4	87.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	.3	80.2	83.2	85.2	86.3	86.7	87.9	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	.4	80.2	83.2	85.4	86.5	87.1	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	.5	80.4	83.5	85.9	87.2	87.9	89.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600	.5	80.4	83.5	85.9	87.4	88.2	89.7	89.7	89.8	90.0	90.1	90.1	90.2	90.2	90.2	90.2
≥ 500	.3	80.6	84.3	87.2	89.1	90.1	91.6	91.6	91.8	92.2	92.4	92.4	92.6	92.6	92.6	92.6
≥ 400	.3	80.6	84.9	88.0	90.2	91.5	93.1	93.5	93.7	94.4	94.9	94.9	95.1	95.1	95.2	95.2
≥ 300	.3	80.6	84.9	88.3	90.7	92.0	93.7	94.4	94.5	95.3	96.0	96.0	96.4	96.4	96.7	96.7
≥ 200	.3	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	95.9	96.6	96.6	97.4	97.5	97.8	97.8
≥ 100	.4	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	96.3	97.1	97.1	98.2	98.4	98.8	99.5
≥ 0	.3	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	96.3	97.1	97.1	98.2	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-5

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	.5	44.1	45.2	45.7	45.8	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	.6	50.2	51.5	52.1	52.3	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
M 18000	.6	50.3	51.6	52.2	52.4	52.5	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
M 16000	.6	50.3	51.6	52.3	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
M 14000	.6	50.6	51.9	52.6	52.8	52.9	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
M 12000	.6	51.5	52.9	53.6	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
M 10000	.6	55.4	57.1	57.9	58.1	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
M 9000	.6	55.8	57.5	58.3	58.6	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
M 8000	.6	60.9	62.9	63.7	64.0	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
M 7000	.6	63.3	65.4	66.4	66.7	66.8	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
M 6000	.6	63.8	66.0	67.0	67.4	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
M 5000	.6	65.1	67.3	68.4	68.9	69.0	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
M 4500	.7	67.0	69.4	70.6	71.0	71.3	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
M 4000	.7	69.0	71.6	73.0	73.6	73.8	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
M 3500	.7	70.0	72.7	74.2	74.9	75.1	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
M 3000	.8	71.9	74.8	76.5	77.3	77.5	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.4
M 2500	.8	72.8	75.9	77.7	78.6	78.9	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.8	79.8
M 2000	.8	74.0	77.2	79.1	80.2	80.5	81.2	81.3	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.7
M 1800	.8	74.2	77.4	79.5	80.6	80.9	81.6	81.8	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1
M 1500	.9	75.0	78.4	80.5	81.8	82.1	82.9	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.6
M 1200	.9	75.6	78.9	81.3	82.8	83.1	83.9	84.1	84.1	84.3	84.5	84.5	84.6	84.6	84.6	84.6
M 1000	.9	76.1	79.5	82.2	84.2	84.6	85.7	85.9	86.0	86.3	86.5	86.5	86.6	86.6	86.6	86.6
M 900	.9	76.1	79.7	82.6	84.7	85.2	86.3	86.7	86.7	87.1	87.4	87.4	87.4	87.4	87.5	87.5
M 800	.9	76.3	79.9	83.0	85.3	85.9	87.0	87.4	87.5	87.9	88.2	88.2	88.3	88.3	88.3	88.4
M 700	.9	76.5	80.3	83.6	86.1	86.9	88.0	88.4	88.5	89.0	89.2	89.3	89.4	89.4	89.4	89.5
M 600	.9	76.7	80.6	84.0	86.8	87.6	89.0	89.5	89.6	90.2	90.4	90.4	90.6	90.6	90.6	90.7
M 500	.8	76.9	81.1	84.7	88.1	89.0	90.7	91.3	91.4	92.2	92.5	92.6	92.8	92.8	92.8	92.9
M 400	.8	76.9	81.1	85.1	88.9	90.0	92.0	92.7	92.8	93.8	94.3	94.4	94.8	94.8	94.9	94.9
M 300	.8	76.9	81.2	85.2	89.2	90.3	92.6	93.6	93.8	95.1	95.7	95.8	96.4	96.4	96.7	96.8
M 200	.8	76.9	81.2	85.2	89.2	90.4	92.7	93.9	94.2	95.8	96.6	96.6	97.6	97.6	98.1	98.3
M 100	.8	77.0	81.2	85.2	89.3	90.5	92.8	94.0	94.2	95.9	96.8	96.8	98.1	98.2	98.9	99.6
M 0	.8	77.0	81.2	85.2	89.3	90.5	92.8	94.0	94.2	95.9	96.8	96.8	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5848

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.0
NO CEILING	55.2	56.4	57.2	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.3	58.3	58.3	58.3	58.4	58.4
IV 20000	61.0	62.3	63.2	64.0	64.0	64.0	64.1	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.6	64.6
IV 18000	61.1	62.5	63.4	64.1	64.1	64.3	64.3	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.7	64.7
IV 16000	61.1	62.5	63.4	64.1	64.1	64.3	64.3	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.7	64.7
IV 14000	61.6	62.9	63.8	64.6	64.6	64.7	64.7	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.2	65.2
IV 12000	61.7	63.4	64.3	65.0	65.0	65.2	65.2	65.2	65.2	65.3	65.5	65.5	65.5	65.5	65.6	65.6
IV 10000	65.9	67.7	68.6	69.4	69.4	69.5	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.1	70.1
IV 9000	66.4	68.2	69.1	69.8	69.8	70.0	70.0	70.1	70.1	70.3	70.4	70.4	70.4	70.4	70.6	70.6
IV 8000	68.8	70.6	71.6	72.3	72.3	72.5	72.6	72.6	72.8	72.8	72.9	72.9	72.9	72.9	73.2	73.2
IV 7000	69.1	71.0	72.3	73.1	73.1	73.2	73.4	73.4	73.5	73.7	73.7	73.7	73.7	73.7	74.0	74.0
IV 6000	69.4	71.3	72.8	73.5	73.5	73.7	73.8	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.4	74.4
IV 5000	70.4	72.5	74.1	74.9	74.9	75.0	75.2	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.8	75.8
IV 4500	71.6	74.3	75.9	76.7	76.7	76.8	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.6	77.6
IV 4000	74.1	77.3	79.1	79.8	79.8	80.0	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.7	80.7
IV 3500	74.6	77.7	79.5	80.3	80.3	80.4	80.9	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.5	81.5
IV 3000	75.9	79.1	81.2	81.9	81.9	82.1	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	83.1	83.1
IV 2500	76.7	79.8	81.9	82.8	82.8	83.0	83.4	83.4	83.6	83.7	83.7	83.7	83.7	83.7	84.0	84.0
IV 2000	77.3	80.6	82.7	83.7	83.7	83.9	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	85.1	85.1
IV 1800	77.4	80.7	82.8	83.9	83.9	84.0	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	85.2	85.2
IV 1500	77.7	81.2	83.3	84.5	84.5	84.6	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.8	85.9
IV 1200	78.5	82.2	84.5	85.8	85.8	85.9	86.5	86.5	86.7	86.8	86.8	86.8	86.8	86.8	87.1	87.3
IV 1000	79.4	83.4	85.8	87.4	87.4	87.7	88.3	88.3	88.6	88.8	88.8	88.8	88.8	88.8	89.1	89.2
IV 900	79.7	83.7	86.1	87.9	87.9	88.2	88.8	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.7	89.8
IV 800	79.7	83.7	86.1	88.0	88.2	88.5	89.1	89.2	89.5	89.7	89.7	89.7	89.7	89.7	90.0	90.1
IV 700	79.7	83.7	86.5	88.5	88.6	88.9	89.5	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.4	90.6
IV 600	79.7	83.9	86.8	88.9	89.1	89.4	90.0	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.9	91.0
IV 500	80.0	84.6	87.7	90.0	90.1	90.4	91.2	91.3	91.6	91.8	91.8	91.8	91.8	91.8	92.2	92.4
IV 400	80.3	85.2	88.8	91.3	91.6	91.9	92.8	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.7	94.3
IV 300	80.4	85.5	89.1	92.1	92.7	93.0	94.0	94.2	94.5	94.8	94.8	94.8	94.9	95.2	96.0	96.1
IV 200	80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.2	95.5	95.5	95.5	95.7	96.0	96.9	97.2
IV 100	80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.5	95.8	95.8	95.8	96.0	96.3	97.6	98.8
IV 0	80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.5	95.8	95.8	96.0	96.3	97.6	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 669

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72440 PATUXENT RIVER NAS MD

73-80

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥.0
NO CEILING	.2	51.5	52.3	53.0	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	.2	59.5	60.5	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	.2	59.8	60.8	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	.2	59.8	60.8	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
IV 14000	.2	60.1	61.1	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	.2	60.7	62.3	63.2	63.7	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	.2	66.1	67.7	68.6	69.1	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	.2	66.4	68.0	68.9	69.4	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	.2	69.8	71.5	72.8	73.4	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	.2	70.0	71.9	73.3	73.9	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	.2	70.5	72.2	73.6	74.2	74.5	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	.2	71.0	73.3	74.6	75.2	75.7	75.8	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	.2	72.2	74.6	76.0	76.6	77.0	77.2	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	.2	74.3	76.9	78.4	79.0	79.4	79.6	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	.2	74.9	77.5	79.0	79.6	80.0	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	.2	75.7	78.4	79.9	80.8	81.2	81.7	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2500	.2	76.7	79.4	81.1	82.4	82.9	83.6	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	.2	78.1	81.1	82.9	84.2	84.8	85.6	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	.2	78.2	81.2	83.0	84.4	85.0	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500	.2	79.0	82.1	83.9	85.3	85.9	86.6	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	.2	79.7	82.9	84.7	86.0	86.6	87.4	87.5	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000	.2	80.4	83.5	85.3	86.9	87.5	88.4	88.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 900	.2	80.6	83.9	85.7	87.4	88.0	89.0	89.3	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 800	.2	81.2	84.5	86.3	88.0	88.6	89.6	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 700	.2	81.2	84.5	86.3	88.0	88.6	89.6	89.9	89.9	90.5	90.5	90.5	90.5	90.7	90.7	90.7
IV 600	.2	81.5	85.0	86.8	88.6	89.2	90.2	90.5	90.5	91.1	91.1	91.1	91.1	91.3	91.3	91.3
IV 500	.2	81.5	85.0	86.9	88.9	89.5	90.5	91.0	91.0	91.7	91.7	91.7	91.7	91.9	91.9	91.9
IV 400	.2	82.1	85.6	87.5	89.4	90.7	91.9	92.3	92.3	93.1	93.1	93.1	93.1	93.2	93.2	93.2
IV 300	.2	82.1	85.6	87.7	90.7	91.6	93.2	94.0	94.0	94.7	94.7	94.7	94.7	94.9	94.9	94.9
IV 200	.2	82.1	85.6	87.7	91.3	92.2	93.8	94.7	94.7	95.6	95.6	95.6	95.6	96.2	96.2	96.7
IV 100	.2	82.1	85.6	87.7	91.3	92.2	93.8	95.0	95.0	96.4	96.4	96.4	96.4	97.3	97.4	97.6
IV 0	.2	82.1	85.6	87.7	91.3	92.2	93.8	95.0	95.0	96.4	96.4	96.4	96.4	97.3	97.4	97.6

TOTAL NUMBER OF OBSERVATIONS 666

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
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	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	1.2	49.8	50.9	51.4	51.7	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	1.2	57.1	58.3	59.2	59.6	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 18000	1.2	57.1	58.3	59.2	59.6	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 16000	1.2	57.1	58.4	59.3	59.8	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 14000	1.2	57.1	58.4	59.3	59.8	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000	1.2	59.3	61.0	62.0	62.6	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
IV 10000	1.2	64.3	65.9	67.0	67.6	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5
IV 9000	1.2	64.6	66.2	67.3	67.9	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8
IV 8000	1.2	67.6	69.2	70.6	71.8	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0
IV 7000	1.2	69.1	70.9	72.2	73.4	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6
IV 6000	1.2	69.2	71.0	72.4	73.6	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.9
IV 5000	1.2	69.8	71.6	73.1	74.3	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.7	75.8
IV 4500	1.2	71.6	73.4	75.1	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.8	77.9
IV 4000	1.2	73.7	75.7	77.6	79.1	79.9	79.9	80.2	80.3	80.5	80.5	80.5	80.5	80.6	80.8	80.9
IV 3500	1.2	73.9	75.8	77.8	79.3	80.0	80.0	80.3	80.5	80.6	80.6	80.6	80.6	80.8	80.9	81.1
IV 3000	1.2	74.6	76.7	78.7	80.3	81.2	81.7	82.1	82.3	82.6	82.6	82.6	82.7	82.7	82.9	83.0
IV 2500	1.2	74.6	76.7	79.0	80.8	81.8	82.3	82.7	82.9	83.2	83.2	83.2	83.3	83.3	83.5	83.6
IV 2000	1.2	76.0	78.1	80.3	82.1	83.2	83.6	84.1	84.2	84.5	84.5	84.5	84.7	84.7	84.8	85.0
IV 1800	1.2	76.1	78.2	80.5	82.3	83.3	83.8	84.2	84.4	84.7	84.7	84.7	84.8	84.8	85.0	85.1
IV 1500	1.2	76.9	79.0	81.5	83.3	84.4	84.8	85.3	85.4	85.7	85.7	85.7	85.9	85.9	86.2	86.3
IV 1200	1.2	77.5	79.9	82.6	84.4	85.4	85.9	86.3	86.5	86.8	86.8	86.8	87.1	87.1	87.4	87.5
IV 1000	1.2	77.9	80.3	83.3	85.1	86.2	86.8	87.4	87.5	88.3	88.4	88.4	89.0	89.0	89.3	89.5
IV 900	1.2	78.1	80.6	83.6	85.4	86.5	87.1	87.7	87.8	88.6	88.7	88.7	89.3	89.3	89.6	89.8
IV 800	1.2	78.5	81.1	84.1	86.0	87.1	87.8	88.6	88.9	89.6	89.8	89.8	90.4	90.4	90.7	90.8
IV 700	1.2	78.5	81.1	84.1	86.0	87.1	87.8	88.7	89.0	89.8	89.9	89.9	90.5	90.5	90.8	91.0
IV 600	1.2	78.5	81.2	84.4	86.5	87.7	88.6	89.5	89.8	90.5	90.7	90.7	91.3	91.3	91.6	91.7
IV 500	1.2	78.5	81.2	84.5	86.8	88.3	89.2	90.1	90.4	91.1	91.3	91.3	92.0	92.0	92.3	92.5
IV 400	1.2	78.5	81.2	84.8	87.1	88.7	90.2	91.4	91.7	92.5	92.6	92.6	93.5	93.5	93.8	94.0
IV 300	1.2	78.5	81.2	84.8	87.4	89.3	91.0	92.6	92.9	93.7	93.8	93.8	95.2	95.2	95.8	96.1
IV 200	1.2	78.5	81.2	84.8	87.4	89.3	91.0	92.6	93.1	94.3	94.4	94.4	96.1	96.1	96.8	97.1
IV 100	1.2	78.5	81.2	84.8	87.4	89.5	91.1	92.8	93.2	94.4	94.7	94.9	96.4	96.8	97.9	99.4
IV 0	1.2	78.5	81.4	85.0	87.5	89.6	91.3	92.9	93.4	94.6	94.9	95.0	96.5	97.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 666



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	2.0	49.4	50.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	2.0	58.5	59.8	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6
IVM 18000	2.0	58.5	59.8	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6
IVM 16000	2.0	58.6	60.0	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
IVM 14000	2.0	58.9	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0
IVM 12000	2.0	60.9	62.5	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.4
IVM 10000	2.0	64.8	66.5	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.4
IVM 9000	2.0	65.1	66.8	66.9	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8
IVM 8000	2.0	69.3	71.1	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.7
IVM 7000	2.0	70.8	72.7	73.0	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
IVM 6000	2.0	71.3	73.1	73.4	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.4
IVM 5000	2.0	72.1	74.2	74.5	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.4
IVM 4500	2.0	73.0	75.2	75.7	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6
IVM 4000	2.0	74.9	77.8	78.2	80.4	80.4	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	81.0
IVM 3500	2.0	75.7	78.5	79.0	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.9
IVM 3000	2.0	76.9	79.8	80.2	82.9	83.1	83.1	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.7
IVM 2500	2.0	77.3	80.2	80.7	83.4	83.5	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.1	84.1	84.4
IVM 2000	2.0	77.5	80.5	81.1	83.8	84.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.9
IVM 1800	2.0	77.6	80.7	81.3	84.0	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.7	84.7	84.7	85.0
IVM 1500	2.0	78.2	81.4	82.0	84.7	84.9	85.0	85.5	85.5	85.8	85.8	85.8	86.0	86.0	86.3	86.3
IVM 1200	2.0	78.4	81.6	82.3	85.0	85.2	85.3	85.8	85.8	86.1	86.1	86.1	86.3	86.3	86.6	86.6
IVM 1000	2.0	79.2	82.3	83.1	86.0	86.3	86.6	87.0	87.0	87.3	87.3	87.3	87.6	87.6	87.9	87.9
IVM 900	2.0	79.5	82.6	83.4	86.4	86.6	87.0	87.5	87.5	87.8	87.8	87.8	88.1	88.1	88.4	88.5
IVM 800	2.0	79.5	82.9	83.7	86.9	87.0	87.5	88.1	88.1	88.4	88.4	88.4	88.7	88.7	89.0	89.1
IVM 700	2.0	79.6	83.4	84.1	87.3	87.5	88.2	88.8	88.8	89.1	89.1	89.1	89.4	89.4	89.7	89.9
IVM 600	2.0	79.6	83.5	84.4	87.8	87.9	89.1	89.9	89.9	90.3	90.5	90.5	90.8	90.8	91.1	91.2
IVM 500	2.0	79.6	83.5	84.7	88.2	88.4	90.0	90.8	90.8	91.5	92.0	92.0	92.7	92.9	93.4	93.5
IVM 400	2.0	79.6	83.7	84.9	88.8	89.0	90.8	92.0	92.0	93.1	93.8	93.8	94.7	94.9	95.5	95.6
IVM 300	2.0	79.6	83.7	84.9	88.8	89.0	91.1	92.7	92.7	94.0	94.7	94.7	95.6	95.8	96.4	96.7
IVM 200	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.7	97.1	97.7	98.2
IVM 100	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.8	97.3	98.0	99.1
IVM 0	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.8	97.3	98.0	UU.U

TOTAL NUMBER OF OBSERVATIONS 662

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

75-80  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	2.1	49.4	50.0	50.0	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IVN 18000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IVN 16000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IVN 14000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IVN 12000	2.1	61.4	62.4	62.4	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IVN 10000	2.1	65.9	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVN 9000	2.1	66.1	67.1	67.1	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IVN 8000	2.1	64.1	70.2	70.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IVN 7000	2.1	70.2	71.5	71.5	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IVN 6000	2.1	71.1	72.4	72.4	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IVN 5000	2.1	72.3	73.9	73.9	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IVN 4500	2.1	72.6	74.2	74.5	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IVN 4000	2.1	74.5	76.8	77.1	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IVN 3500	2.1	75.4	78.2	78.6	79.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IVN 3000	2.1	77.4	80.2	80.6	82.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IVN 2500	2.1	78.0	80.3	80.8	82.3	83.3	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IVN 2000	2.1	78.5	80.8	81.2	83.0	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IVN 1800	2.1	78.5	80.8	81.2	83.0	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IVN 1500	2.1	74.8	82.1	82.7	84.5	86.1	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IVN 1200	2.1	80.6	83.3	84.1	85.9	87.4	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IVN 1000	2.1	80.9	83.8	85.0	87.4	88.9	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVN 900	2.1	80.9	83.9	85.2	87.7	89.2	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVN 800	2.1	80.9	83.9	85.5	88.9	90.5	91.2	91.4	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8
IVN 700	2.1	80.9	83.9	85.6	89.8	91.4	92.1	92.4	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0
IVN 600	2.1	80.9	83.9	85.6	90.5	92.1	93.0	93.3	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4
IVN 500	2.1	80.9	83.9	85.6	90.9	92.6	94.1	94.4	94.5	95.3	95.8	95.9	96.1	96.1	96.1	96.4
IVN 400	2.1	81.1	84.2	86.1	91.5	93.2	94.8	95.2	95.3	96.2	96.7	96.8	97.3	97.4	97.6	98.2
IVN 300	2.1	81.1	84.2	86.1	91.5	93.3	95.2	95.5	95.6	96.7	97.1	97.3	97.9	98.0	98.2	98.8
IVN 200	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.2	98.5	98.9	99.7
IVN 100	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.3	98.6	99.2	100.0
IVN 0	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.3	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 660

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040 PATUXENT RIVER NAS MD

73-80

FEB

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	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	1.6	50.3	50.6	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	1.6	60.9	62.0	62.4	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV V 18000	1.6	61.2	62.3	62.7	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV V 16000	1.6	61.4	62.4	62.9	63.3	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV V 14000	1.6	61.8	62.9	63.3	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV V 12000	1.6	63.0	64.1	64.5	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV V 10000	1.6	65.0	66.0	66.5	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV V 9000	1.6	65.4	66.5	66.9	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV V 8000	1.6	68.0	69.2	69.6	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV V 7000	1.6	68.3	69.5	70.1	70.7	71.0	71.4	71.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9
IV V 6000	1.6	68.9	70.1	70.7	71.3	71.7	72.2	72.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6
IV V 5000	1.6	70.2	71.7	72.5	73.1	73.5	74.0	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4
IV V 4500	1.6	72.0	73.5	74.4	75.1	75.6	76.0	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
IV V 4000	1.6	73.4	75.0	76.0	76.8	77.2	78.0	78.1	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6
IV V 3500	1.6	74.3	76.2	77.2	78.0	78.4	79.2	79.3	79.3	79.5	79.8	79.8	79.8	79.8	79.8	79.8
IV V 3000	1.6	75.0	77.1	78.4	79.3	79.9	80.8	81.0	81.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4
IV V 2500	1.6	75.1	77.7	79.2	80.2	81.0	81.9	82.0	82.0	82.2	82.6	82.6	82.6	82.6	82.6	82.6
IV V 2000	1.6	75.6	78.7	80.4	82.0	82.8	83.8	84.0	84.0	84.1	84.6	84.6	84.6	84.6	84.6	84.6
IV V 1800	1.6	75.6	78.7	80.7	82.3	83.1	84.1	84.3	84.3	84.4	84.9	84.9	84.9	84.9	84.9	84.9
IV V 1500	1.6	76.2	79.3	81.7	83.5	84.3	85.5	85.6	85.6	85.9	86.4	86.4	86.4	86.4	86.4	86.4
IV V 1200	1.6	77.1	80.4	82.9	84.7	85.5	86.7	86.8	86.8	87.3	87.7	87.7	87.7	87.7	87.7	87.7
IV V 1000	1.6	77.1	81.0	83.7	85.8	86.7	87.9	88.0	88.0	88.6	89.1	89.1	89.1	89.1	89.1	89.1
IV V 900	1.6	77.1	81.0	84.1	86.5	87.4	88.8	89.1	89.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3
IV V 800	1.6	77.2	81.4	84.7	87.3	88.3	90.1	90.4	90.6	91.3	91.8	91.8	91.8	91.8	91.8	91.8
IV V 700	1.6	77.2	81.7	85.3	88.0	89.1	91.2	91.6	91.8	92.5	93.0	93.0	93.0	93.0	93.0	93.0
IV V 600	1.6	77.4	81.9	85.8	88.6	89.7	91.9	92.4	92.5	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV V 500	1.6	77.4	81.9	85.8	88.6	90.0	92.4	92.8	93.1	94.0	94.8	94.8	95.1	95.1	95.1	95.1
IV V 400	1.6	77.5	82.0	85.9	88.8	90.4	93.0	93.4	93.7	94.9	95.7	95.7	96.1	96.1	96.1	96.6
IV V 300	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.0	96.9	96.9	97.5	97.5	97.5	97.9
IV V 200	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.3	97.3	98.1	98.1	98.2	98.8
IV V 100	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.5	97.5	98.2	98.2	98.8	99.9
IV V 0	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.5	97.5	98.2	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 668

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
OURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0	
NO CEILING	.5	54.6	55.5	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.3
≥ 20000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 18000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 16000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 14000	.5	62.3	63.5	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.5
≥ 12000	.5	64.1	65.4	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.3
≥ 10000	.5	65.4	66.6	67.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.5
≥ 9000	.5	65.4	66.6	67.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.5
≥ 8000	.5	68.1	69.3	70.6	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.7
≥ 7000	.5	64.7	70.0	71.6	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.5
≥ 6000	.5	69.3	70.7	72.2	72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.2
≥ 5000	.5	71.4	73.1	74.6	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.6
≥ 4500	.5	72.4	74.0	75.5	76.4	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.3
≥ 4000	.5	73.7	75.8	77.3	78.5	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.6
≥ 3500	.5	74.4	76.7	78.2	79.6	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.6
≥ 1000	.5	74.9	77.6	79.4	80.8	80.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.1
≥ 2500	.5	76.6	79.3	81.1	82.6	82.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.3
≥ 2000	.5	77.2	80.3	82.3	84.1	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.8
≥ 1800	.5	77.2	80.3	82.3	84.1	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.8
≥ 1500	.5	77.3	80.5	82.9	84.9	85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.7
≥ 1200	.5	77.3	80.5	82.9	84.9	85.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.8
≥ 1000	.5	77.6	80.9	83.8	86.1	86.5	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.2	88.4
≥ 900	.5	77.6	80.9	83.8	86.1	86.5	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.4	88.5
≥ 800	.5	77.6	81.1	84.1	86.4	86.8	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.1
≥ 700	.5	77.8	81.5	84.7	87.3	87.7	90.0	90.0	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.6	90.8
≥ 600	.5	77.9	81.8	85.0	87.9	88.4	90.8	90.8	90.8	91.2	91.7	91.7	91.7	91.8	91.8	92.0	92.1
≥ 500	.5	78.4	82.6	86.1	89.1	89.7	92.1	92.1	92.1	92.7	93.3	93.3	93.5	93.5	93.5	93.6	93.8
≥ 400	.5	78.4	82.6	86.1	89.6	90.2	92.7	92.9	92.9	93.5	94.3	94.4	94.6	94.6	94.6	94.7	95.0
≥ 300	.5	78.4	82.6	86.1	89.6	90.2	92.7	92.9	92.9	93.8	94.6	94.7	94.9	95.0	95.0	95.6	95.9
≥ 200	.5	78.4	82.6	86.1	89.6	90.2	92.7	93.0	93.0	94.1	95.0	95.2	95.5	95.6	95.6	96.4	96.7
≥ 100	.5	78.4	82.6	86.1	89.6	90.2	93.0	93.3	93.3	94.4	95.3	95.5	96.1	96.2	96.2	97.4	98.8
≥ 0	.5	78.4	82.6	86.1	89.6	90.2	93.0	93.3	93.3	94.4	95.3	95.5	96.1	96.4	96.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 661

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72440  
 STATION

PAUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEARS

FEB  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING																
≥ 20000		57.4	57.9	59.4	59.8	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000		61.1	61.8	63.3	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 16000		61.1	61.8	63.3	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000		61.5	62.3	63.9	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000		62.6	63.3	65.0	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 10000		66.9	67.7	69.3	69.9	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 9000		67.1	67.8	69.5	70.1	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 8000		69.2	69.9	72.0	72.6	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 7000		70.1	70.8	72.9	73.5	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000		70.8	71.6	73.7	74.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000		71.6	72.3	74.4	75.0	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500		74.1	75.5	77.7	78.5	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000		75.9	77.6	80.0	80.9	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500		76.2	77.9	80.3	81.2	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000		76.4	78.3	80.9	81.8	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500		76.8	78.8	81.7	82.6	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000		77.6	79.7	82.7	83.9	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800		77.7	79.8	82.9	84.1	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500		78.5	80.8	84.2	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200		78.8	81.1	84.5	86.2	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000		79.4	81.8	85.4	87.2	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 900		79.5	82.1	85.9	87.7	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800		79.7	82.3	86.0	87.8	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700		80.0	82.6	86.5	88.3	88.9	89.5	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9
IV 600		80.0	82.6	86.5	88.4	89.3	90.1	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5
IV 500		80.5	83.2	87.4	89.8	90.8	91.6	92.0	92.0	92.0	92.0	92.3	92.3	92.6	92.6	92.6
IV 400		80.5	83.3	87.7	90.7	92.0	92.9	93.7	93.7	93.7	94.0	94.0	94.3	94.3	94.4	94.7
IV 300		80.6	83.8	88.3	91.4	93.1	94.0	95.2	95.2	95.2	95.5	95.5	95.8	95.8	96.1	96.4
IV 200		80.6	83.9	88.4	91.7	93.4	94.3	95.5	95.5	95.5	95.8	95.8	96.1	96.1	96.4	96.7
IV 100		80.6	83.9	88.4	91.7	93.5	94.4	96.1	96.1	96.1	96.4	96.4	96.8	96.8	97.6	98.6
IV 0		80.6	83.9	88.4	91.7	93.5	94.4	96.1	96.1	96.1	96.4	96.4	96.8	96.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 665

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.0
NO CEILING	.9	52.2	53.0	53.7	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 20000	.9	60.0	61.0	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	.9	60.1	61.1	61.9	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
IV 16000	.9	60.1	61.2	61.9	62.4	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
IV 14000	.9	61.5	61.4	62.2	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1
IV 12000	.9	61.7	63.0	63.9	64.3	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8
IV 10000	.9	65.5	66.9	67.7	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6
IV 9000	.9	65.8	67.1	68.0	68.5	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
IV 8000	.9	68.7	70.1	71.1	71.8	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.5
IV 7000	.9	69.5	71.0	72.1	72.9	73.2	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.7
IV 6000	.9	70.0	71.5	72.6	73.5	73.8	73.9	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.3
IV 5000	.9	71.1	72.8	74.0	74.8	75.1	75.3	75.4	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.8
IV 4500	.9	72.4	74.3	75.6	76.6	76.9	77.1	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.5	77.5
IV 4000	.9	74.3	76.6	78.0	79.1	79.5	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.2	80.2
IV 3500	.9	75.0	77.3	78.7	79.9	80.3	80.5	80.7	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.1
IV 3000	.9	75.4	78.4	79.4	81.2	81.7	82.1	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.7
IV 2500	.9	76.5	79.5	80.7	82.1	82.6	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.8
IV 2000	.9	77.2	80.0	81.7	83.4	83.9	84.4	84.6	84.6	84.7	84.8	84.8	84.9	84.9	85.0	85.0
IV 1800	.9	77.3	80.1	81.9	83.5	84.1	84.5	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.1	85.2
IV 1500	.9	78.0	80.8	82.8	84.6	85.1	85.7	85.9	86.0	86.1	86.2	86.2	86.3	86.3	86.4	86.5
IV 1200	.9	78.5	81.5	83.6	85.4	86.0	86.5	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 1000	.9	79.0	82.1	84.4	86.5	87.1	87.9	88.1	88.2	88.5	88.6	88.6	88.7	88.7	88.9	89.0
IV 900	.9	79.1	82.4	84.7	86.9	87.5	88.3	88.6	88.7	89.1	89.2	89.2	89.3	89.3	89.4	89.5
IV 800	.9	79.3	82.6	85.1	87.4	88.1	89.0	89.4	89.4	89.8	89.9	90.0	90.1	90.1	90.2	90.3
IV 700	.9	79.4	82.8	85.4	87.9	88.6	89.7	90.1	90.2	90.6	90.7	90.8	90.9	90.9	91.0	91.1
IV 600	.9	79.4	83.0	85.7	88.4	89.2	90.4	90.8	90.9	91.4	91.6	91.6	91.8	91.8	91.9	92.0
IV 500	.9	79.6	83.2	86.1	89.0	89.9	91.3	91.8	91.9	92.5	92.9	92.9	93.2	93.2	93.4	93.5
IV 400	.9	79.7	83.5	86.5	89.7	90.7	92.3	93.0	93.1	93.8	94.2	94.2	94.6	94.7	95.0	95.2
IV 300	.9	79.8	83.6	86.6	90.1	91.2	92.9	93.9	94.0	94.8	95.3	95.3	95.8	95.9	96.3	96.6
IV 200	1.0	79.8	83.6	86.7	90.2	91.4	93.2	94.1	94.3	95.2	95.7	95.8	96.5	96.7	97.2	97.6
IV 100	1.0	79.8	83.6	86.7	90.2	91.4	93.2	94.3	94.5	95.5	96.1	96.1	97.0	97.2	98.0	99.3
IV 0	1.0	79.8	83.7	86.7	90.2	91.4	93.2	94.3	94.5	95.5	96.1	96.1	97.0	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 5317

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING	.1	49.7	50.1	51.2	51.5	51.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IVM 18000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IVM 16000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IVM 14000	.1	54.7	55.1	56.5	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVM 12000	.1	55.4	55.8	57.2	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IVM 10000	.1	61.0	61.4	62.8	63.3	63.3	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.9
IVM 9000	.1	61.1	61.6	62.9	63.5	63.5	63.6	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	64.0
IVM 8000	.1	65.4	65.8	67.3	68.0	68.0	68.1	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.7
IVM 7000	.1	66.6	67.0	68.5	69.2	69.2	69.4	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.9
IVM 6000	.1	67.0	67.4	68.9	69.6	69.6	69.8	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.3
IVM 5000	.1	68.1	68.8	70.5	71.3	71.3	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	72.0
IVM 4500	.1	70.6	71.7	73.6	74.4	74.4	74.6	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.1
IVM 4000	.1	72.6	74.0	76.3	77.2	77.2	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8
IVM 3500	.1	72.9	74.3	76.7	77.8	77.8	78.0	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.7
IVM 3000	.1	75.0	76.5	79.3	80.6	80.6	80.7	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.4
IVM 2500	.3	75.8	77.4	80.4	81.7	81.7	81.8	82.1	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.5
IVM 2000	.3	76.3	78.1	81.7	82.9	82.9	83.0	83.3	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.7
IVM 1800	.3	76.5	78.9	82.1	83.4	83.4	83.6	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.3
IVM 1500	.3	76.9	79.3	82.6	84.3	84.3	84.4	84.7	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.1
IVM 1200	.3	77.2	79.6	83.2	84.8	84.8	85.0	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.6
IVM 1000	.3	78.0	81.1	85.4	87.1	87.1	87.3	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	88.0
IVM 900	.3	78.1	81.5	86.0	87.8	88.0	88.4	88.6	88.6	88.8	88.9	88.9	88.9	88.9	88.9	89.1
IVM 800	.3	78.1	81.7	86.5	88.2	88.4	88.9	89.2	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.6
IVM 700	.3	78.5	82.2	87.1	89.2	89.3	90.0	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.7
IVM 600	.3	78.8	82.5	87.4	89.6	89.7	90.6	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.2
IVM 500	.3	78.9	82.8	88.0	90.2	90.4	91.2	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.9
IVM 400	.3	79.1	83.0	88.6	91.2	91.7	92.7	93.0	93.0	93.3	93.6	93.6	93.7	93.7	93.7	93.8
IVM 300	.3	79.2	83.2	88.8	91.7	92.5	93.8	94.1	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.2
IVM 200	.3	79.2	83.2	88.8	91.8	92.6	94.1	94.4	94.4	95.1	95.8	95.8	96.2	96.2	96.3	96.4
IVM 100	.3	79.2	83.2	88.8	91.9	92.9	94.4	94.7	94.7	95.5	96.3	96.3	96.9	97.0	98.1	99.2
IVM 0	.3	79.2	83.2	88.8	91.9	92.9	94.4	94.7	94.7	95.5	96.3	96.3	96.9	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAX  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
SOURCE

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0	
NO CEILING																	
≥ 20000		45.5	46.4	48.5	49.2	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	50.0
18000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.6
16000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.6
14000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.6
12000		51.8	53.2	55.4	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	57.0	
10000		56.1	57.7	59.9	60.9	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.7
9000		56.2	57.9	60.1	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.8
8000		61.5	62.9	65.2	66.1	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.9
7000		62.1	63.8	66.0	66.9	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.8
6000		62.1	63.8	66.0	66.9	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.8
5000		62.9	64.6	66.8	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.6
4500		65.2	66.8	69.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.7	70.9
4000		66.8	68.5	70.9	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.7
3500		67.2	69.0	71.5	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.3
3000		68.2	70.8	73.8	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.8
2500		69.6	72.6	76.0	77.3	77.4	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	78.0	78.2
2000		69.8	73.3	77.0	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.6	79.9
1800		70.1	73.6	77.3	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.9	80.2
1500		70.8	74.4	78.2	80.4	80.9	81.0	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.4	81.7
1200		70.9	74.7	78.7	81.0	81.4	81.7	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.1	82.4
1000		71.5	75.5	79.6	82.1	82.5	82.9	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.6
900		72.0	76.2	80.7	83.3	83.9	84.3	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.8	85.1
800		72.5	77.3	81.7	84.4	85.0	85.4	85.5	85.5	85.5	85.7	85.8	85.8	85.8	86.0	86.2	
700		72.6	77.4	82.4	85.4	86.0	86.4	86.5	86.5	86.5	86.8	86.9	86.9	86.9	86.9	87.1	87.3
600		72.6	77.4	82.5	85.5	86.2	86.6	86.8	86.8	87.1	87.3	87.3	87.3	87.3	87.5	87.7	
500		72.9	77.7	83.1	86.5	87.3	88.2	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.8	89.8	90.1
400		72.9	77.7	83.2	87.3	88.3	89.1	90.1	90.8	91.2	91.2	91.2	91.2	91.6	91.6	91.7	92.1
300		72.9	77.7	83.2	87.6	88.7	89.7	90.8	90.8	92.0	92.7	92.7	93.4	93.4	93.5	93.9	
200		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.9	93.3	93.9	94.1	94.8	94.9	95.0	95.6	
100		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.9	93.3	94.1	94.2	96.0	96.3	97.1	98.5	
0		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.9	93.3	94.1	94.2	96.0	96.3	97.1	98.5	

TOTAL NUMBER OF OBSERVATIONS 726



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-80  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEARS

MAP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS

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	1.0	39.1	39.6	41.4	43.0	43.1	43.7	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.6
≥ 2000	1.0	45.1	47.0	49.0	50.6	50.8	51.3	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 18000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 16000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 14000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 12000	1.0	46.3	48.3	50.2	52.0	52.2	52.7	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.8
IV 10000	1.0	51.0	54.1	56.1	57.9	58.0	58.8	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.9
IV 9000	1.0	51.5	54.8	56.7	58.6	58.7	59.5	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.6
IV 8000	1.0	55.2	58.8	60.9	62.9	63.0	63.8	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.8	65.0
IV 7000	1.0	55.9	59.5	61.6	63.6	63.7	64.5	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.8
IV 6000	1.0	56.7	60.4	62.4	64.4	64.5	65.4	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.6
IV 5000	1.1	57.9	61.6	63.8	65.9	66.2	67.0	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.4
IV 4500	1.1	59.8	63.6	65.8	67.9	68.2	69.1	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.5
IV 4000	1.1	62.3	66.3	68.6	70.7	70.9	71.9	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.3
IV 3500	1.1	63.3	67.5	69.7	72.3	72.6	73.9	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	75.0	75.2
IV 3000	1.1	64.5	69.0	71.5	74.3	75.0	76.2	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.6
IV 2500	1.1	65.5	70.2	72.9	75.7	76.4	77.6	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.7	79.0
IV 2000	1.1	66.3	71.2	74.1	77.3	78.0	79.4	80.1	80.1	80.5	80.7	80.7	80.7	80.7	80.7	80.8	81.1
IV 1800	1.1	66.3	71.2	74.3	77.5	78.2	79.6	80.3	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.9	81.2
IV 1500	1.1	66.8	71.6	75.0	78.3	79.0	80.4	81.2	81.2	81.6	81.8	81.8	81.9	81.9	82.1	82.3	
IV 1200	1.1	66.9	72.0	75.4	78.9	79.6	80.9	81.8	81.8	82.2	82.3	82.3	82.3	82.3	82.5	82.6	82.9
IV 1000	1.1	67.3	73.0	77.1	80.8	81.5	83.2	84.1	84.1	84.6	84.7	84.7	84.7	84.8	84.8	85.0	85.3
IV 900	1.1	67.3	73.2	77.5	81.4	82.1	83.9	84.8	84.8	85.3	85.4	85.4	85.4	85.5	85.5	85.7	86.0
IV 800	1.1	67.3	73.3	77.7	82.2	82.9	84.7	86.0	86.0	86.5	86.6	86.6	86.6	86.8	86.8	86.9	87.2
IV 700	1.3	67.5	73.6	78.3	82.8	83.4	85.3	86.5	86.5	87.2	87.5	87.5	87.6	87.6	87.6	87.8	88.0
IV 600	1.3	67.6	73.9	78.6	83.4	84.3	86.2	87.8	87.8	88.6	88.9	88.9	89.0	89.0	89.0	89.2	89.4
IV 500	1.3	67.6	74.0	78.7	83.7	84.7	86.9	88.5	88.5	89.7	90.0	90.0	90.1	90.1	90.1	90.4	90.7
IV 400	1.3	67.6	74.0	79.0	84.1	85.3	87.9	89.4	89.4	90.8	91.4	91.4	91.7	91.7	91.7	91.9	92.4
IV 300	1.3	67.6	74.0	79.0	84.1	85.3	88.2	89.8	89.8	91.5	92.4	92.5	92.8	92.8	92.8	93.0	93.5
IV 200	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	93.9	94.0	94.3	94.3	94.3	94.4	94.9
IV 100	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	94.0	94.2	95.4	95.4	95.8	97.4	99.2
IV 0	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	94.0	94.2	95.4	95.8	97.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 719

LOCAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72440 STATION PATUXENT RIVER NAS MD

73-80 YEARS

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	1.6	40.7	41.7	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
≥ 20000	1.6	49.1	53.6	52.1	52.4	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	1.6	49.4	51.0	52.5	52.8	52.8	53.1	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	1.6	49.7	51.3	52.8	53.1	53.1	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	1.6	50.1	51.7	53.2	53.5	53.5	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	1.6	51.9	53.5	55.0	55.6	55.6	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.6	57.5	59.1	60.6	61.2	61.2	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	1.6	57.5	59.1	60.6	61.2	61.2	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	1.6	60.6	62.7	64.2	64.7	64.7	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	1.6	62.0	64.2	65.8	66.5	66.5	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 6000	1.6	62.6	64.7	66.4	67.1	67.1	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.8
≥ 5000	2.1	65.6	67.8	69.4	70.4	70.5	70.8	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2
≥ 4500	2.1	65.8	68.0	70.0	71.1	71.2	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	72.0
≥ 4000	2.1	68.4	70.8	72.7	74.2	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 3500	2.2	70.2	72.6	74.6	76.3	76.5	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥ 3000	2.2	72.4	74.9	77.4	79.3	79.6	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 2500	2.2	73.1	75.7	78.6	80.7	81.1	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 2000	2.2	73.5	76.1	79.0	81.1	81.5	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1800	2.2	73.5	76.1	79.0	81.1	81.5	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1500	2.2	73.9	77.2	80.2	82.6	83.0	83.5	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1200	2.2	74.5	78.2	81.2	83.7	84.6	85.2	85.3	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.9
≥ 1000	2.2	74.5	78.9	82.2	84.8	85.9	86.4	86.8	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.5
≥ 900	2.2	74.6	79.0	82.4	85.2	86.6	87.1	87.5	87.5	87.8	88.1	88.1	88.1	88.1	88.1	88.2
≥ 800	2.2	74.6	79.0	82.4	85.2	86.7	87.4	87.8	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.9
≥ 700	2.2	74.6	79.0	82.6	85.5	87.1	87.8	88.3	88.3	89.0	89.6	89.6	89.6	89.6	89.6	89.7
≥ 600	2.2	74.6	79.1	82.7	85.7	87.8	88.6	89.2	89.2	89.8	90.7	90.7	90.8	90.8	90.8	90.9
≥ 500	2.2	74.6	79.1	82.9	86.0	88.2	89.2	89.8	89.8	90.8	91.8	91.8	92.2	92.2	92.3	92.6
≥ 400	2.2	74.6	79.1	82.9	86.0	88.2	89.3	90.3	90.3	91.5	93.2	93.0	93.7	93.7	94.0	94.2
≥ 300	2.2	74.6	79.1	82.9	86.3	88.5	89.6	90.9	90.9	92.7	94.4	94.4	95.1	95.1	95.6	95.9
≥ 200	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	98.9
≥ 100	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	99.0
≥ 0	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	99.0

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VIS

75-80 PATUXENT RIVER NAS MD

75-80

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.5/6
NO CEILING	2.2	38.2	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 20000	2.2	48.8	50.8	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
18000	2.2	49.0	51.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
16000	2.2	49.7	51.9	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
14000	2.2	50.1	52.3	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
12000	2.2	51.2	53.6	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
10000	2.2	55.9	58.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
9000	2.2	56.0	58.8	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
8000	2.2	58.9	62.2	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
7000	2.2	59.7	63.2	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
6000	2.2	60.8	64.4	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
5000	2.2	62.1	65.8	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
4500	2.2	62.7	66.6	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
4000	2.2	65.9	69.9	71.8	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
3500	2.6	69.6	72.7	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
3000	2.6	72.1	77.1	79.2	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2500	2.6	73.0	78.2	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2000	2.6	73.7	79.0	81.4	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
1800	2.6	74.0	79.3	81.8	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
1500	2.6	74.4	80.1	82.7	84.1	84.2	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8
1200	2.6	74.8	80.7	83.3	85.2	85.3	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0
1000	2.6	75.2	81.1	84.4	86.7	86.8	87.3	87.7	87.8	87.8	87.9	87.9	88.1	88.1
900	2.6	75.3	81.2	84.7	87.0	87.1	87.5	87.9	88.2	88.4	88.5	88.5	88.6	88.6
800	2.6	75.3	81.4	85.3	88.2	88.4	89.0	89.5	89.7	90.0	90.1	90.1	90.3	90.3
700	2.6	75.5	81.5	85.5	88.8	88.9	89.6	90.4	90.7	91.1	91.2	91.2	91.4	91.4
600	2.6	75.8	81.8	86.0	90.0	90.7	91.5	92.9	93.2	94.0	94.4	94.4	94.5	94.5
500	2.6	75.9	81.9	86.2	90.4	91.4	92.5	94.5	94.8	96.0	96.6	96.6	96.7	96.7
400	2.6	75.9	81.9	86.2	90.4	91.4	92.6	94.8	95.1	96.4	97.0	97.0	97.1	97.1
300	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.5	97.5	98.1	98.1
200	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0
100	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0
0	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124443  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	1.1	39.5	40.8	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	1.1	51.0	52.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
18000	1.1	51.0	52.7	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
16000	1.1	51.7	53.4	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
14000	1.1	52.8	54.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
12000	1.1	54.2	55.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
10000	1.1	57.0	59.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
9000	1.1	57.3	59.2	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
8000	1.1	61.3	63.2	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
7000	1.1	63.7	65.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
6000	1.1	64.6	66.6	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
5000	1.4	66.3	68.4	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4500	1.4	68.8	71.0	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
4000	1.4	71.3	73.7	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
3500	1.4	72.6	75.1	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
3000	1.5	76.5	79.5	81.9	81.9	81.9	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
2500	1.6	77.2	80.6	83.0	83.0	83.0	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2000	1.6	77.6	81.7	84.4	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1800	1.6	77.8	81.9	84.7	84.7	84.7	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1500	1.5	78.7	82.8	85.5	85.5	85.5	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7
1200	1.6	78.8	82.9	86.2	86.5	86.7	87.3	87.4	87.4	87.6	87.6	87.6	87.7	87.7	87.8	87.8
1000	1.6	79.2	83.9	87.3	87.8	88.2	88.9	89.1	89.1	89.5	89.5	89.5	89.6	89.6	89.7	89.9
900	1.6	79.6	84.5	88.0	89.8	89.3	90.0	90.2	90.2	90.7	90.7	90.7	90.8	90.8	91.0	91.1
800	1.6	79.8	84.8	88.8	89.7	90.5	91.1	91.2	91.2	91.8	91.8	91.8	91.9	91.9	92.1	92.2
700	1.6	80.0	85.1	89.3	90.7	91.5	92.5	92.7	92.7	93.3	93.3	93.3	93.4	93.4	93.6	93.7
600	1.6	80.3	85.5	89.7	91.4	92.7	93.8	94.3	94.3	94.8	94.8	94.8	94.9	94.9	95.1	95.2
500	1.6	80.4	85.6	90.0	91.7	93.0	94.3	94.8	95.1	95.6	95.6	95.6	95.8	95.8	95.9	96.0
400	1.6	80.6	85.8	90.2	91.8	93.2	94.4	95.3	95.6	96.2	96.2	96.2	96.3	96.3	96.6	96.7
300	1.6	80.6	85.8	90.2	91.9	93.3	94.7	95.8	96.0	96.7	96.7	96.7	97.0	97.0	97.3	97.5
200	1.6	80.6	85.8	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.2	98.5	99.2
100	1.6	80.6	85.8	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.2	98.9	99.9
0	1.6	80.6	85.8	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

724 48  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.4	46.0	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1
≥ 20000	.4	53.6	55.6	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5
IV 18000	.4	53.7	55.6	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
IV 16000	.4	53.7	55.6	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
IV 14000	.4	54.4	56.6	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
IV 12000	.4	56.5	58.7	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8
IV 10000	.4	59.8	62.1	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2
IV 9000	.4	59.8	62.1	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2
IV 8000	.4	65.4	67.7	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2
IV 7000	.4	66.9	69.2	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 6000	.4	67.4	69.8	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 5000	.5	68.7	71.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
IV 4500	.5	70.6	73.4	74.5	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
IV 4000	.5	75.1	76.1	77.2	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
IV 3500	.5	73.9	77.1	78.2	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
IV 3000	.5	76.2	79.9	81.2	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
IV 2500	.5	77.7	81.9	83.4	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5
IV 2000	.5	78.7	83.2	85.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7
IV 1800	.5	78.8	83.4	85.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
IV 1500	.5	79.0	83.5	85.7	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
IV 1200	.5	79.1	83.9	86.4	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2
IV 1000	.5	79.8	84.9	87.4	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3
IV 900	.5	79.8	84.9	87.4	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
IV 800	.5	80.2	85.4	88.3	90.7	90.7	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.2
IV 700	.5	80.5	86.0	89.1	91.6	91.6	92.3	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.7
IV 600	.5	80.5	86.0	89.6	92.0	92.0	92.9	93.0	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.5
IV 500	.5	80.9	86.4	90.0	92.9	92.9	93.8	94.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.8
IV 400	.5	80.9	86.5	90.2	93.4	93.5	94.5	94.8	94.8	95.3	95.6	95.6	95.9	95.9	95.9	96.0
IV 300	.5	81.0	86.7	90.4	93.5	93.7	94.8	95.2	95.2	96.2	96.4	96.4	97.0	97.0	97.1	97.3
IV 200	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.4	96.8	97.0	97.7	97.7	97.8	98.4
IV 100	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.7	97.1	97.3	98.2	98.4	98.9	99.5
IV 0	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.7	97.1	97.3	98.2	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12400  
STATION

PAUXENI RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	.1	50.5	51.8	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	.1	54.6	56.2	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 12000	.1	55.8	57.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	.1	61.5	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 9000	.1	61.5	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 8000	.1	66.7	68.8	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
IV 7000	.1	68.1	70.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	.1	68.8	70.8	72.2	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 5000	.1	70.4	72.7	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
IV 4500	.1	71.9	74.2	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4000	.1	74.1	76.5	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3500	.1	74.6	77.4	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000	.1	75.4	78.2	80.2	80.5	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	.1	77.2	80.2	82.3	82.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	.1	78.0	81.7	83.8	84.2	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	.1	78.4	82.3	84.3	84.7	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	.1	79.4	83.4	85.4	85.8	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	.1	79.9	84.0	86.4	86.8	86.8	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1000	.1	80.6	85.3	88.5	88.7	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 900	.1	80.9	85.5	89.2	89.8	89.8	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 800	.1	81.0	85.9	89.6	90.6	90.6	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	.1	81.0	86.1	90.2	91.1	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 600	.1	81.2	86.5	90.9	92.4	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	.1	81.6	86.9	91.7	93.2	93.2	93.9	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	.1	81.6	86.9	91.7	93.5	93.6	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 300	.1	81.7	87.0	92.0	93.9	94.1	95.0	95.4	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.3	97.3	97.4	97.4
IV 100	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.7	98.0	98.6	99.3
IV 0	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.7	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

733

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-14J PATUXENT RIVER NAS MD

73-80

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	43.5	44.8	45.8	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4
≥ 20000	51.0	52.5	53.8	54.2	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 18000	51.1	52.7	53.9	54.4	54.4	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
IV 16000	51.3	52.9	54.1	54.6	54.6	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
IV 14000	51.7	53.3	54.6	55.0	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
IV 12000	52.9	54.5	55.8	56.4	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
IV 10000	57.5	59.4	60.8	61.4	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
IV 9000	57.6	59.6	61.0	61.6	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
IV 8000	61.9	64.0	65.6	66.2	66.3	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
IV 7000	63.2	65.4	67.0	67.6	67.7	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2
IV 6000	63.8	66.0	67.6	68.3	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9
IV 5000	65.3	67.6	69.3	70.0	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.7
IV 4500	66.9	69.4	71.2	71.9	72.0	72.2	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
IV 4000	69.3	72.0	73.9	74.8	74.8	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.5
IV 3500	70.4	73.2	75.3	76.2	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1
IV 3000	72.6	75.8	78.1	79.2	79.3	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1
IV 2500	75.7	77.1	79.6	80.8	81.0	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.8
IV 2000	74.3	78.1	80.8	82.2	82.4	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3
IV 1800	74.5	78.4	81.1	82.5	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.6
IV 1500	75.0	79.1	81.9	83.6	83.8	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.8
IV 1200	75.3	79.5	82.6	84.3	84.7	85.1	85.3	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.8
IV 1000	75.8	80.5	84.0	85.9	86.2	86.8	87.1	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.5	87.6
IV 900	76.0	80.8	84.5	86.5	87.0	87.6	87.9	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.5
IV 800	76.1	81.1	85.1	87.4	87.9	88.6	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.5	89.6
IV 700	76.3	81.4	85.6	88.1	88.6	89.4	89.9	89.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.7
IV 600	76.4	81.6	85.9	88.8	89.5	90.4	91.0	91.0	91.5	91.7	91.7	91.8	91.8	91.8	91.8	92.0
IV 500	76.6	81.8	86.3	89.3	90.1	91.2	92.0	92.1	92.7	93.0	93.0	93.2	93.2	93.2	93.3	93.4
IV 400	76.7	81.9	86.5	89.7	90.6	91.9	92.8	92.9	93.7	94.1	94.1	94.4	94.4	94.4	94.5	94.7
IV 300	76.7	81.9	86.6	90.0	91.0	92.3	93.4	93.5	94.5	95.1	95.2	95.6	95.6	95.7	95.9	
IV 200	76.7	81.9	86.6	90.1	91.1	92.6	93.8	93.9	95.1	95.9	96.0	96.9	97.0	97.4	97.9	
IV 100	76.7	81.9	86.6	90.1	91.2	92.6	93.9	94.0	95.2	96.1	96.2	97.3	97.5	98.4	99.4	
IV 0	76.7	81.9	86.6	90.1	91.2	92.6	93.9	94.0	95.2	96.1	96.2	97.3	97.5	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 5827

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

72440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING	.4	55.3	57.4	57.7	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 20000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 18000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	.4	63.5	65.3	66.1	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 10000	.4	68.3	70.6	71.3	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 9000	.4	68.6	70.4	71.6	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 8000	.4	74.4	77.3	78.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	.4	76.0	78.4	79.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 6000	.4	77.4	79.8	80.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000	.4	79.1	81.7	82.5	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 4500	.4	80.1	82.7	83.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	.4	82.2	85.2	86.4	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 3500	.4	83.0	85.9	87.4	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	.4	83.9	87.4	88.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2500	.4	84.5	88.1	89.6	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2000	.4	84.8	88.5	90.2	91.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	.4	84.9	88.6	90.3	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	.4	85.4	89.3	91.2	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	.4	85.7	89.6	91.6	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	.4	86.9	91.1	93.2	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	.4	86.9	91.1	93.5	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	.4	87.2	91.6	94.3	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	.4	87.2	91.6	94.3	95.9	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	.4	87.6	92.0	94.9	96.4	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 500	.4	87.8	92.2	95.3	97.0	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	.4	88.1	92.5	95.6	97.4	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 709



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
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	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING	.1	54.6	57.2	58.0	58.7	58.9	59.2	59.3	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6
≥ 20000	.1	58.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
IV 18000	.1	58.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
IV 16000	.1	58.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
IV 14000	.1	58.3	61.2	62.2	62.9	63.0	63.3	63.4	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7
IV 12000	.1	58.7	61.6	62.7	63.4	63.6	63.9	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3
IV 10000	.1	64.0	67.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6
IV 9000	.1	64.0	67.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6
IV 8000	.1	70.0	75.5	75.1	76.1	76.7	77.0	77.1	77.1	77.2	77.2	77.4	77.4	77.4	77.5	77.5
IV 7000	.1	71.3	75.0	76.7	77.7	78.2	78.5	78.7	78.7	78.8	78.8	78.9	78.9	78.9	79.1	79.1
IV 6000	.1	71.6	75.2	77.0	78.0	78.5	78.8	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.4	79.4
IV 5000	.1	73.3	77.1	78.8	79.8	80.4	80.7	80.8	80.8	80.9	80.9	81.1	81.1	81.1	81.2	81.2
IV 4500	.1	74.1	78.0	79.7	80.7	81.2	81.5	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.1	82.1
IV 4000	.1	76.5	80.7	82.4	83.6	84.2	84.5	84.6	84.6	84.8	84.8	84.9	84.9	84.9	85.1	85.1
IV 3500	.1	75.2	82.5	84.4	85.6	86.2	86.5	86.6	86.6	86.8	86.8	86.9	86.9	86.9	87.1	87.1
IV 3000	.1	79.8	84.4	86.3	87.6	88.2	88.6	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.2	89.2
IV 2500	.1	80.8	85.3	87.3	88.6	89.2	89.6	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.2	90.2
IV 2000	.1	80.9	85.8	87.8	89.0	89.6	90.0	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6
IV 1800	.1	80.9	85.8	87.8	89.0	89.6	90.0	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6
IV 1500	.1	81.7	86.9	89.0	90.5	91.0	91.5	91.6	91.6	91.7	91.7	91.9	91.9	91.9	92.0	92.0
IV 1200	.1	82.2	87.8	90.0	91.6	92.2	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.2	93.2
IV 1000	.1	82.8	88.5	91.2	93.0	93.6	94.0	94.2	94.2	94.3	94.3	94.5	94.5	94.5	94.6	94.6
IV 900	.1	82.8	88.6	91.3	93.3	93.9	94.3	94.5	94.5	94.6	94.6	94.7	94.7	94.7	94.9	94.9
IV 800	.1	83.1	89.0	92.0	94.2	94.7	95.2	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7
IV 700	.1	83.4	89.3	92.3	94.5	95.0	95.4	95.6	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0
IV 600	.1	83.5	89.5	92.9	95.3	95.9	96.3	96.4	96.4	96.6	96.6	96.7	96.7	96.7	96.9	96.9
IV 500	.1	83.8	89.9	93.5	95.9	96.6	97.0	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.7	97.7
IV 400	.1	83.9	90.0	93.9	96.4	97.2	97.6	97.7	97.7	98.0	98.0	98.2	98.2	98.2	98.3	98.3
IV 300	.1	83.9	90.0	93.9	96.4	97.2	97.9	98.0	98.0	98.3	98.3	98.4	98.4	98.4	98.6	98.6
IV 200	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.4	98.4	98.7	98.7	98.7	98.9	98.9
IV 100	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.6	98.6	99.0	99.0	99.0	99.1	99.1
IV 0	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.6	98.6	99.0	99.0	99.0	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 703

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
GROUP 1ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	.1	50.5	52.6	53.5	53.6	53.9	54.2	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	.3	56.1	58.5	59.8	59.9	60.2	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	.3	56.1	58.5	59.8	59.9	60.2	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	.3	56.1	58.5	59.8	59.9	60.2	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 14000	.3	56.3	58.8	60.1	60.2	60.5	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	.3	57.5	59.9	61.2	61.3	61.6	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	.3	62.3	64.8	66.2	66.3	66.8	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.5	67.5
IV 9000	.3	63.3	65.8	67.2	67.3	67.8	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.5	68.5
IV 8000	.3	68.8	71.5	72.9	73.5	74.2	74.8	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.2	75.2
IV 7000	.3	69.9	72.6	74.0	74.6	75.3	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.5	76.5
IV 6000	.3	71.0	73.9	75.3	75.9	76.6	77.3	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.7	77.7
IV 5000	.3	72.2	75.0	76.5	77.3	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.2	79.2
IV 4500	.3	73.3	76.2	77.6	78.6	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.5	80.5
IV 4000	.3	75.5	78.5	80.0	81.3	82.0	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.2	83.2
IV 3500	.3	76.2	79.2	80.9	82.2	82.9	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	84.0	84.0
IV 3000	.3	77.6	80.9	82.9	84.3	85.2	85.9	85.9	85.9	85.9	86.2	86.4	86.4	86.4	86.6	86.6
IV 2500	.3	78.7	82.0	84.7	86.4	87.3	88.0	88.0	88.0	88.0	88.3	88.6	88.6	88.6	88.7	88.7
IV 2000	.3	79.3	82.9	85.6	87.4	88.3	89.0	89.0	89.0	89.0	89.3	89.6	89.6	89.7	89.7	89.9
IV 1800	.3	79.6	83.2	85.9	87.7	88.6	89.3	89.3	89.3	89.3	89.6	89.9	89.9	90.0	90.2	90.2
IV 1500	.3	80.3	83.9	86.6	88.4	89.3	90.0	90.0	90.0	90.0	90.3	90.6	90.6	90.7	90.7	90.9
IV 1200	.3	80.6	84.5	87.4	89.4	90.3	91.0	91.0	91.0	91.0	91.3	91.6	91.6	91.7	91.7	91.9
IV 1000	.3	81.3	85.6	88.7	91.0	91.9	92.6	92.6	92.6	92.6	93.0	93.3	93.3	93.4	93.6	93.6
IV 900	.3	81.3	85.7	88.9	91.2	92.0	92.7	92.7	92.7	92.7	93.2	93.4	93.4	93.6	93.6	93.7
IV 800	.3	81.6	86.0	89.3	91.6	92.4	93.2	93.2	93.2	93.2	93.6	93.9	93.9	94.0	94.2	94.2
IV 700	.3	81.6	86.0	89.6	92.0	93.2	93.9	93.9	93.9	93.9	94.3	94.6	94.6	94.7	94.9	94.9
IV 600	.3	81.7	86.4	90.0	92.4	93.6	94.3	94.4	94.4	94.4	95.0	95.3	95.3	95.4	95.6	95.6
IV 500	.3	82.0	86.9	90.4	93.2	94.3	95.3	95.4	95.4	95.4	95.6	96.0	96.3	96.3	96.4	96.6
IV 400	.3	82.0	86.9	90.4	93.2	94.3	95.3	95.4	95.4	95.4	95.6	96.0	96.4	96.4	96.7	96.9
IV 300	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	95.9	96.4	97.0	97.0	97.4	97.6	97.9
IV 200	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	95.9	96.7	97.3	97.3	98.0	98.1	98.4
IV 100	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	95.9	96.7	97.3	97.3	98.0	98.1	98.4
IV 0	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	95.9	96.7	97.3	97.3	98.0	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12414U PATUXENT RIVER NAS MD

73-80

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS - LT

CEILING FEET	VISIBILITY / STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.6	52.7	53.7	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	1.6	60.8	61.9	62.1	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 12000	1.6	62.2	63.4	63.5	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000	1.6	66.3	67.5	67.9	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	1.6	66.6	67.8	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	1.6	71.4	73.6	74.1	75.4	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	1.6	71.7	73.9	74.4	75.7	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	1.6	73.2	75.3	75.9	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	1.6	74.7	76.8	77.6	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4500	1.6	76.1	78.3	79.1	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	1.6	78.7	80.8	81.8	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	1.6	79.1	81.3	82.2	83.8	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	1.7	81.4	83.5	84.9	86.6	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	1.7	82.0	84.1	85.8	87.5	87.9	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	2.1	83.5	85.7	87.5	89.2	89.6	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	2.1	83.7	85.8	87.6	89.3	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1500	2.1	84.2	86.4	88.4	90.1	90.5	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1200	2.1	85.4	87.6	89.8	91.5	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	2.1	85.7	87.9	90.1	91.8	92.2	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900	2.1	85.7	87.9	90.2	91.9	92.5	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	2.1	85.8	88.2	90.6	93.2	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	2.1	85.9	88.5	91.1	93.6	94.7	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	2.1	86.4	88.9	91.5	94.2	95.3	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	2.1	86.4	88.9	91.5	94.2	95.3	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	2.1	86.4	88.9	91.5	94.5	95.7	96.9	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.0	99.0	99.4	99.4	99.4
IV 200	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.1	99.6	99.6	99.7	99.7
IV 100	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.3	99.7	99.7	100.0	100.0
IV 0	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

FEDERAL BUREAU OF SURVEY  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140 PATUXENT RIVER NAS MD

73-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	1.4	49.8	50.5	50.5	50.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVM 18000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVM 16000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVM 14000	1.4	58.1	59.1	59.4	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IVM 12000	1.4	50.5	61.6	62.2	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IVM 10000	1.6	63.5	64.9	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IVM 9000	1.6	64.2	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IVM 8000	1.6	66.7	69.3	70.0	70.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IVM 7000	1.6	67.4	70.5	71.7	72.1	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IVM 6000	1.6	68.4	71.5	72.6	73.1	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IVM 5000	1.6	70.5	74.0	75.3	75.7	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IVM 4500	1.6	72.4	76.0	77.3	77.7	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IVM 4000	1.6	76.4	80.1	81.5	82.1	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IVM 3500	1.6	77.7	81.4	82.8	83.4	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IVM 3000	2.0	82.2	85.9	87.3	87.9	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVM 2500	2.1	83.8	87.4	89.0	89.6	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVM 2000	2.1	84.5	88.2	90.4	91.0	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVM 1800	2.1	84.6	88.3	90.6	91.1	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVM 1500	2.1	85.6	89.3	91.8	92.5	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IVM 1200	2.1	86.5	90.1	92.7	93.5	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 1000	2.1	86.6	90.3	92.8	93.7	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVM 900	2.1	86.7	90.4	92.9	94.1	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IVM 800	2.1	86.7	91.0	93.8	95.1	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVM 700	2.1	86.9	91.1	94.4	95.8	96.8	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVM 600	2.1	86.9	91.4	94.9	96.5	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVM 500	2.1	86.9	91.4	94.9	96.5	97.7	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVM 400	2.1	86.9	91.4	94.9	96.8	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 300	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 200	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 100	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 0	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
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	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	1.7	45.5	46.3	46.5	46.7	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.3	55.0	56.0	56.6	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	1.3	55.0	56.0	56.6	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	1.3	55.4	56.4	57.0	57.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	1.3	55.6	56.6	57.1	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	1.3	57.3	58.7	59.4	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	1.3	60.4	62.0	62.7	62.8	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	1.3	61.0	62.5	63.2	63.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	1.3	65.9	68.0	69.0	69.3	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 7000	1.3	66.8	69.6	71.0	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	1.3	66.8	69.6	71.1	71.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	1.3	69.2	72.3	74.0	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	1.3	71.6	74.8	76.5	76.8	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	1.3	77.2	81.8	82.5	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3500	1.3	79.1	81.6	83.3	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	1.4	82.9	86.6	88.5	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	1.4	84.2	88.1	90.5	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	1.4	85.0	89.4	91.9	93.1	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	1.4	85.1	89.5	92.1	93.2	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	1.4	86.0	90.5	93.4	94.5	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	1.4	86.0	90.5	93.4	94.5	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	1.4	86.3	90.9	94.5	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	1.4	86.3	90.9	94.5	96.0	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	1.4	86.3	91.1	94.8	96.6	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	1.4	86.3	91.2	94.9	96.7	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	1.4	86.3	91.4	95.0	97.2	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	1.4	86.3	91.4	95.0	97.2	98.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 707

GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APW  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	.9	51.5	52.1	52.4	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 4000	.9	60.0	60.9	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 12000	.9	60.9	62.3	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	.9	65.6	67.5	68.6	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	.9	65.8	67.6	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 8000	.9	70.5	72.8	74.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 7000	.9	71.7	74.0	75.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	.9	72.4	74.7	76.1	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	.9	74.1	76.4	77.8	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	.9	76.1	78.7	80.1	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	.9	79.3	81.9	83.3	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	.9	80.0	82.9	84.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	.9	82.7	86.2	88.2	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	.9	83.2	86.6	88.8	90.5	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	.9	84.6	88.2	90.5	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	.9	84.6	88.2	90.5	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	.9	85.0	89.2	91.7	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	.9	85.8	89.9	92.5	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	.9	86.2	90.4	93.7	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	.9	86.2	90.4	93.8	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	.9	86.3	90.6	94.1	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	.9	86.5	90.9	94.8	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	.9	86.5	90.9	94.8	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	.9	86.6	91.4	95.3	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
IV 400	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 300	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 200	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
IV 100	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
IV 0	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 695

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

120140  
 STATION

PAIQUENT RIVER NAS MD  
 STATION NAME

13-80  
 YEAR

APR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	.7	59.3	63.1	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥2000	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥1800	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥1600	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥1400	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥1200	.7	65.7	67.4	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥1000	.7	70.3	72.3	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥800	.7	70.4	72.4	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥600	.7	74.6	76.6	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥400	.7	75.3	77.3	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥200	.7	75.9	77.9	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥100	.7	77.7	79.7	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥50	.7	78.7	80.7	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
≥30	.7	80.4	82.9	84.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥20	.7	83.9	85.4	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥15	.7	82.6	85.1	86.7	88.0	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥10	.7	83.4	86.3	88.1	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥7.5	.7	84.3	87.4	90.1	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥5	.7	84.4	87.6	90.3	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥3.5	.7	86.1	89.9	93.0	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥2.5	.7	86.3	90.3	93.1	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥1.5	.7	85.7	90.6	93.9	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1	.7	86.7	90.6	93.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥0.75	.7	87.0	90.9	94.1	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥0.5	.7	87.3	91.1	94.6	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥0.25	.7	87.4	91.3	94.9	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥0.15	.7	87.7	91.6	95.1	97.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.1	.7	87.7	91.6	95.1	97.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥0.05	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥0	.7	87.7	91.6	95.1	97.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥0	.7	87.7	91.6	95.1	97.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 100

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

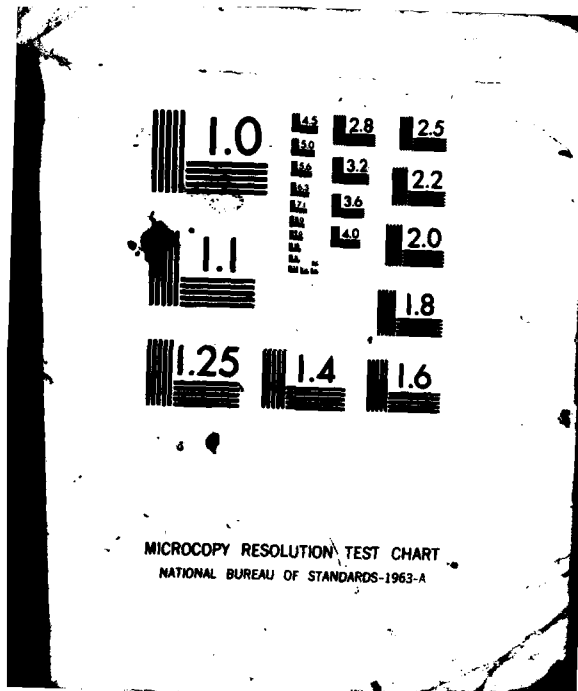
ALL  
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	.3	52.4	53.7	54.1	54.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.9	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000	.9	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000	.9	59.3	60.9	61.5	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	.9	59.6	61.1	61.7	62.1	62.1	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	.9	60.8	62.5	63.2	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 10000	.9	65.1	67.1	68.0	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	.9	65.5	67.5	68.4	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	.9	70.3	72.8	73.9	74.7	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	.9	71.2	73.9	75.1	75.9	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	.9	72.1	74.7	76.0	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	.9	73.8	76.6	77.9	78.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	.9	75.3	78.2	79.5	80.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	.9	78.3	81.3	82.8	83.9	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	.9	79.1	82.3	83.8	84.8	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	.9	81.6	85.1	86.7	88.0	88.3	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	1.0	82.6	86.4	88.0	89.3	89.6	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	1.0	83.4	87.0	89.3	90.6	90.9	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6
≥ 1800	1.0	83.5	87.1	89.4	90.7	91.1	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	1.0	84.3	88.2	90.6	92.1	92.5	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1
≥ 1200	1.0	84.8	88.8	91.3	92.8	93.2	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	1.0	85.3	89.4	92.2	93.9	94.4	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	1.0	85.3	89.5	92.4	94.2	94.6	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	1.0	85.5	89.8	92.9	94.9	95.4	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	1.0	85.6	90.0	93.2	95.3	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	1.0	85.8	90.2	93.6	95.8	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	1.0	85.9	90.4	93.9	96.1	96.9	97.6	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0
≥ 400	1.0	86.0	90.5	94.0	96.4	97.2	97.9	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	1.0	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	1.0	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	1.0	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	1.0	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 3623







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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	.4	46.9	50.9	53.3	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	.4	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1
≥ 18000	.4	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1	62.1
≥ 16000	.4	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1	62.1
≥ 14000	.4	53.2	58.1	60.8	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.2	62.2	62.2
≥ 12000	.4	54.4	59.3	62.2	62.9	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.6	63.6	63.6
≥ 10000	.4	57.6	63.0	65.9	66.6	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.3	67.3	67.3
≥ 9000	.4	57.8	63.4	66.3	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.7	67.7	67.7
≥ 8000	.4	63.2	69.2	72.2	72.9	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.8	73.8	73.8
≥ 7000	.4	63.6	69.6	72.7	73.4	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.8	74.8	74.8
≥ 6000	.4	63.7	69.8	73.0	73.7	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0	75.0	75.0
≥ 5000	.4	64.8	71.5	74.9	75.9	76.5	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.2	77.2	77.2
≥ 4500	.4	66.6	73.4	77.2	78.3	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.7	79.7	79.7
≥ 4000	.4	68.3	75.6	79.7	80.8	81.4	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.1	82.1	82.1
≥ 3500	.4	68.8	76.5	80.8	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.4	83.4	83.4
≥ 3000	.4	69.7	77.9	82.4	83.6	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.9	85.0	85.0	85.0
≥ 2500	.4	69.8	78.2	82.7	83.9	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.3	85.3	85.3
≥ 2000	.4	70.8	79.3	84.0	85.3	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.6	86.6	86.6
≥ 1800	.4	70.9	79.3	84.3	85.3	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.9	86.9	86.9
≥ 1500	.4	71.8	80.4	85.1	86.9	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.4	88.4	88.4
≥ 1200	.4	71.8	80.4	85.3	87.0	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.5	88.5	88.5
≥ 1000	.4	72.4	81.3	86.9	88.9	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.5	90.5	90.5
≥ 900	.4	72.7	81.6	87.4	89.9	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.7	91.7
≥ 800	.4	72.9	82.3	88.3	91.1	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.9	92.9	92.9
≥ 700	.4	73.0	82.8	89.3	92.1	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.9	93.9	94.0
≥ 600	.4	73.1	83.2	90.0	92.6	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.5	94.5	94.7
≥ 500	.4	73.5	83.9	91.5	94.3	95.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.6
≥ 400	.4	73.8	84.3	92.2	95.2	95.9	97.3	97.4	97.4	97.4	97.4	97.4	97.7	97.8	97.8	98.0
≥ 300	.4	73.8	84.3	92.4	95.6	96.3	98.3	98.6	98.6	98.6	98.6	98.6	99.0	99.2	99.2	99.3
≥ 200	.4	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.5
≥ 100	.4	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.5
0	.4	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	99.0	99.3	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
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	≥¾	≥¾	≥5/16	≥½	≥0	
NO CEILING	41.9	47.7	49.7	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.5	51.5	51.5	51.5
IV 20000	47.0	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.8
IV 18000	47.0	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.8
IV 16000	47.0	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.8
IV 14000	47.0	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.8
IV 12000	48.3	54.6	57.2	59.0	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7
IV 10000	50.3	57.0	60.2	62.0	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.7	62.7	62.7	62.7
IV 9000	50.0	57.0	60.8	62.0	62.7	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3
IV 8000	55.4	63.0	66.6	69.2	69.9	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4
IV 7000	56.4	64.1	67.7	70.7	71.0	71.4	71.4	71.4	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
IV 6000	56.4	64.1	67.7	70.7	71.0	71.4	71.4	71.4	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
IV 5000	57.6	65.9	69.8	72.9	73.2	73.6	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3
IV 4500	58.6	67.0	70.9	74.0	74.3	74.9	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.6	75.6	75.6	75.6
IV 4000	59.5	68.2	72.2	75.6	75.8	76.4	76.5	76.5	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1
IV 3500	59.7	68.5	72.5	76.0	76.2	76.8	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.5	77.5	77.5
IV 3000	60.8	70.0	74.7	78.3	78.6	79.1	79.6	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.1
IV 2500	60.9	70.6	75.3	78.9	79.1	79.7	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.7	80.7	80.7	80.7
IV 2000	61.0	71.3	76.7	80.4	80.7	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2
IV 1800	61.0	71.3	76.7	80.4	80.7	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2
IV 1500	61.3	71.8	77.3	81.1	81.4	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9
IV 1200	62.3	72.9	78.7	82.5	82.7	83.4	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.4	84.4	84.4	84.4
IV 1000	62.8	73.8	80.2	85.1	85.6	86.3	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7
IV 900	63.0	74.3	81.2	86.0	86.6	87.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.7	88.7	88.7	88.7
IV 800	63.1	74.4	81.6	86.7	87.3	88.1	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.5	89.5	89.5	89.5
IV 700	63.1	74.4	82.3	87.8	88.4	89.5	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.9	90.9	90.9	90.9
IV 600	63.3	74.9	82.9	89.1	89.6	90.7	91.3	91.6	91.6	91.7	91.7	91.7	91.7	92.1	92.1	92.1	92.1
IV 500	63.3	75.4	84.1	91.2	91.7	93.0	94.2	94.5	94.6	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2
IV 400	63.3	75.8	84.7	92.1	92.7	93.8	95.7	96.0	96.3	96.5	96.5	96.5	96.5	97.0	97.0	97.0	97.0
IV 300	63.4	76.1	85.1	92.8	93.3	96.0	96.8	97.1	97.7	97.9	97.9	97.9	97.9	98.5	98.5	98.5	98.5
IV 200	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3
IV 100	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3
IV 0	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124000 PATUXENT RIVER NAS MD

73-80

MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	.4	38.5	42.1	45.7	47.5	47.5	47.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.1	48.1
IV 20000	.4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 18000	.4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 16000	.4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 14000	.4	44.2	49.2	53.2	55.4	55.8	56.1	56.2	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5
IV 12000	.4	45.0	50.0	54.0	56.2	56.4	56.9	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3
IV 10000	.4	48.5	54.3	58.4	60.9	61.2	61.9	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3
IV 9000	.4	49.0	55.0	59.3	61.7	62.0	62.7	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1
IV 8000	.4	52.2	58.6	63.0	65.9	66.2	67.1	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 7000	.4	53.2	59.7	64.1	67.3	67.7	68.8	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
IV 6000	.4	53.3	59.8	64.4	67.7	68.1	69.2	69.3	69.3	69.5	69.5	69.5	69.6	69.6	69.6	69.6
IV 5000	.4	53.6	60.1	64.9	68.4	68.9	70.3	70.4	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7
IV 4500	.4	54.3	60.8	65.6	69.1	69.9	71.3	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7
IV 4000	.4	55.5	62.3	67.4	71.1	72.1	73.6	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
IV 3500	.4	55.5	62.3	67.7	71.4	72.4	73.9	74.0	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3
IV 3000	.4	56.5	63.4	68.9	73.2	74.4	76.2	76.4	76.4	76.5	76.5	76.5	76.7	76.7	76.7	76.7
IV 2500	.4	56.6	63.7	69.5	73.8	75.0	76.8	76.9	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2
IV 2000	.4	57.0	64.1	70.0	74.4	75.8	77.6	77.9	77.9	78.0	78.2	78.2	78.3	78.3	78.3	78.3
IV 1800	.4	57.0	64.1	70.0	74.4	75.8	77.6	77.9	77.9	78.0	78.2	78.2	78.3	78.3	78.3	78.3
IV 1500	.4	57.2	64.2	70.7	75.3	76.9	78.9	79.1	79.1	79.3	79.4	79.4	79.6	79.6	79.6	79.6
IV 1200	.4	57.9	65.1	71.7	76.7	78.3	80.2	80.7	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.1
IV 1000	.4	58.4	65.7	72.8	78.3	80.1	82.5	82.9	82.9	83.0	83.1	83.1	83.3	83.3	83.3	83.3
IV 900	.4	58.8	66.2	73.8	79.3	81.1	83.4	83.8	83.8	84.1	84.3	84.3	84.4	84.4	84.4	84.4
IV 800	.4	59.4	66.9	74.7	80.7	82.6	84.9	85.3	85.3	85.8	85.9	85.9	86.0	86.0	86.0	86.0
IV 700	.4	59.4	66.9	75.7	82.6	84.7	87.6	88.3	88.3	88.7	88.8	88.8	89.0	89.0	89.0	89.0
IV 600	.4	59.4	67.0	75.8	83.3	85.8	88.7	89.4	89.4	89.8	89.9	89.9	90.1	90.1	90.1	90.1
IV 500	.4	59.4	67.1	76.9	85.1	88.3	91.7	92.3	92.7	93.6	93.9	93.9	94.1	94.1	94.3	94.3
IV 400	.4	59.7	67.4	77.8	86.9	90.2	94.3	95.2	95.3	96.5	97.1	97.1	97.2	97.2	97.5	97.5
IV 300	.4	59.7	67.4	77.8	87.0	90.6	94.9	95.9	96.0	97.2	97.8	97.9	98.1	98.1	98.5	98.5
IV 200	.4	59.7	67.4	77.8	87.0	90.6	95.0	96.0	96.1	97.5	98.1	98.3	98.5	98.5	99.3	99.3
IV 100	.4	59.7	67.4	77.8	87.0	90.6	95.0	96.0	96.1	97.5	98.1	98.3	98.5	98.5	99.3	99.3
IV 0	.4	59.7	67.4	77.8	87.0	90.6	95.0	96.0	96.1	97.5	98.1	98.3	98.5	98.5	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040 PATUXENT RIVER NAS MD

73-80

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET.)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5-16	≥¼	≥0
NO CEILING	39.9	42.9	45.9	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥20000	47.3	51.1	54.2	54.8	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IN 18000	47.4	51.2	54.4	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 16000	47.4	51.2	54.4	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 14000	47.5	51.4	54.5	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IN 12000	48.4	52.2	55.3	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IN 10000	51.8	56.1	59.8	60.4	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IN 9000	52.5	56.9	60.9	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IN 8000	55.7	60.4	64.9	65.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IN 7000	56.7	61.6	65.9	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IN 6000	57.1	62.0	66.3	67.8	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IN 5000	57.4	62.4	67.4	68.8	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IN 4500	58.3	63.4	68.8	70.2	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 4000	60.1	65.3	70.7	72.3	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IN 3500	60.8	65.9	71.5	73.2	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
IN 3000	62.8	68.4	74.1	76.2	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
IN 2500	63.5	69.1	75.3	77.5	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9
IN 2000	64.9	70.8	77.4	80.2	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
IN 1800	65.0	71.1	77.7	80.3	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
IN 1500	65.4	71.9	78.5	81.6	82.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5
IN 1200	65.9	73.2	80.2	83.4	84.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
IN 1000	67.0	74.8	82.4	86.4	87.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
IN 900	67.0	74.9	82.8	86.9	87.7	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
IN 800	67.3	75.3	83.7	88.1	89.5	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.8	91.8	91.8
IN 700	67.6	75.8	84.3	89.1	90.4	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.1	94.1	94.1
IN 600	67.7	75.9	85.1	90.1	91.8	94.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.6	95.6	95.6
IN 500	67.7	75.9	85.7	90.7	92.6	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	98.2	98.2	98.2
IN 400	67.7	76.5	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.5	98.5	98.5
IN 300	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	99.3	99.3	99.3
IN 200	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	99.5	99.5	99.5
IN 100	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	99.7	99.7	99.7
IN 0	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	26	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	20	
NO CEILING	.5	38.6	40.5	42.3	42.6	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 18000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 16000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 14000	.5	46.8	49.2	51.6	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 12000	.5	48.2	51.0	53.6	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	.5	51.6	54.6	57.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	.5	51.8	54.8	57.7	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	.5	54.8	58.4	61.5	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 7000	.5	55.7	59.2	62.3	64.2	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 6000	.5	55.9	59.8	63.0	64.8	64.8	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 5000	.5	57.0	61.1	64.5	66.7	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4500	.5	57.3	61.4	65.1	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	.5	60.3	64.9	69.2	71.6	71.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	.5	61.1	65.8	70.0	72.4	72.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	.5	67.3	73.1	77.8	80.8	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	.5	67.9	74.4	79.1	82.4	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	.5	69.4	76.1	81.6	85.4	85.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1800	.5	69.6	76.3	81.7	85.5	85.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	.5	71.1	78.0	83.6	87.9	88.3	90.2	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.6	90.6
IV 1200	.5	71.9	79.0	84.7	89.2	89.6	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.4	92.4
IV 1000	.5	72.3	79.5	85.5	90.3	91.1	94.1	94.1	94.1	94.4	94.5	94.5	94.7	94.7	94.8	94.8	94.8
IV 900	.5	72.4	79.7	85.9	91.0	91.8	94.8	94.8	94.8	95.1	95.2	95.2	95.4	95.4	95.5	95.5	95.5
IV 800	.5	72.7	80.4	87.0	92.5	93.2	96.3	96.3	96.3	96.9	97.0	97.0	97.1	97.1	97.3	97.3	97.3
IV 700	.5	72.7	80.4	87.2	92.8	93.7	96.9	96.9	96.9	97.5	97.7	97.7	97.8	97.8	98.0	98.0	98.0
IV 600	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6	98.6
IV 500	.5	73.0	80.8	87.6	93.3	94.3	97.7	97.7	97.7	98.4	98.5	98.5	98.8	98.8	98.9	98.9	98.9
IV 400	.5	73.0	80.8	87.6	93.3	94.3	97.8	97.8	97.8	98.5	98.8	98.8	99.0	99.0	99.2	99.2	99.2
IV 300	.5	73.0	80.8	87.6	93.3	94.3	97.8	98.1	98.1	99.0	99.3	99.3	99.6	99.6	99.7	99.7	99.7
IV 200	.5	73.0	80.8	87.6	93.3	94.3	97.8	98.1	98.1	99.0	99.3	99.3	99.9	99.9	100.0	100.0	100.0
IV 100	.5	73.0	80.8	87.6	93.3	94.3	97.8	98.1	98.1	99.0	99.3	99.3	99.9	99.9	100.0	100.0	100.0
IV 0	.5	73.0	80.8	87.6	93.3	94.3	97.8	98.1	98.1	99.0	99.3	99.3	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
TIME (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	39.8	43.6	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000 IV 16000	47.0	50.9	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
IV 14000 IV 12000	47.2	51.2	54.5	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
IV 10000 IV 9000	52.5	57.4	60.9	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
IV 8000 IV 7000	58.3	64.8	69.2	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 6000 IV 5000	59.8	66.7	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
IV 4500 IV 4000	61.6	68.9	73.6	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500 IV 3000	63.1	71.1	76.2	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500 IV 2000	64.5	72.5	77.6	79.4	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1800 IV 1500	70.6	79.4	85.0	87.3	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200 IV 1000	71.0	80.1	86.5	89.0	89.3	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 900 IV 800	71.1	80.2	86.7	89.3	89.5	90.2	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 700 IV 600	72.5	81.6	88.9	91.5	91.9	92.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 500 IV 400	72.8	82.1	89.7	92.4	93.3	94.0	94.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300 IV 200	72.9	82.3	90.0	93.0	93.6	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100 IV 0	72.9	82.3	90.0	93.1	93.9	95.6	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
	73.0	82.4	90.1	93.5	94.4	96.1	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	73.0	82.4	90.4	93.9	94.8	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
	73.0	82.4	90.4	93.7	94.9	97.2	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
	73.0	82.4	90.5	94.2	95.2	97.7	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	73.0	82.4	90.5	94.4	95.3	97.9	98.5	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	73.0	82.4	90.5	94.4	95.3	97.9	98.5	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	73.0	82.4	90.5	94.4	95.3	97.9	98.5	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	73.0	82.4	90.5	94.4	95.3	97.9	98.5	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 727



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
TIME PERIOD

CEILING (FEET)	VISIBILITY, (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	44.1	38.9	42.0	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	44.1	50.3	53.8	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IVM 18000	44.1	50.3	53.8	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IVM 16000	44.1	50.7	54.3	56.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IVM 14000	44.1	51.1	54.7	57.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IVM 12000	44.1	51.9	55.8	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IVM 10000	44.1	55.8	60.2	62.8	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IVM 9000	44.1	55.9	60.4	63.2	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IVM 8000	44.1	62.8	68.5	72.3	73.9	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IVM 7000	44.1	63.9	70.1	74.2	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IVM 6000	44.1	64.0	70.6	74.9	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IVM 5000	44.1	64.8	71.4	76.1	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IVM 4500	44.1	66.2	73.2	78.0	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IVM 4000	44.1	68.0	75.5	80.6	82.8	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IVM 3500	44.1	69.0	76.5	81.6	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVM 3000	44.1	72.0	79.8	85.0	87.4	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IVM 2500	44.1	72.4	80.9	86.4	88.8	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IVM 2000	44.1	72.7	81.6	87.4	89.8	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IVM 1800	44.1	72.7	81.6	87.5	90.0	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IVM 1500	44.1	73.5	82.4	88.5	91.1	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVM 1200	44.1	73.8	82.8	89.1	92.0	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IVM 1000	44.1	73.9	83.1	89.6	93.0	93.7	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IVM 900	44.1	73.9	83.1	89.6	93.4	94.1	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IVM 800	44.1	74.0	83.4	90.0	93.8	94.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IVM 700	44.1	74.0	83.6	90.7	94.5	95.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVM 600	44.1	74.0	83.9	90.9	94.8	95.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IVM 500	44.1	74.0	83.9	91.1	95.1	95.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IVM 400	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 300	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 200	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 100	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 0	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724000

PATUXENT RIVER NAS MD

73-80

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	.4	48.4	51.4	53.3	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000 16000	.4	54.0	57.6	59.9	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 14000 12000	.4	54.1	57.7	60.0	60.9	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000 9000	.4	54.3	57.8	60.2	61.0	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 8000 7000	.4	55.8	59.3	61.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000 5000	.4	59.3	63.0	65.7	67.0	67.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500 4000	.4	59.3	63.0	65.9	67.3	67.6	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3500 3000	.4	64.7	69.1	72.8	74.9	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2500 2000	.4	65.5	70.5	74.6	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 1800 1500	.4	65.7	70.7	74.9	76.9	77.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 1200 1000	.4	66.5	72.4	76.5	78.7	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 900 800	.4	68.1	74.0	78.2	80.5	80.8	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 700 600	.4	70.1	76.5	80.8	83.1	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 500 400	.4	72.0	79.1	83.9	86.4	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 300 200	.4	72.5	80.2	85.3	87.8	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 100 0	.4	72.8	80.9	86.4	88.9	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	.4	72.8	81.0	86.5	89.0	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	.4	74.2	82.6	88.0	90.7	90.9	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	.4	74.2	82.7	88.3	91.1	91.3	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	.4	74.5	83.2	89.0	92.3	92.6	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	.4	74.9	83.9	90.1	93.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	.4	75.4	84.5	90.8	94.2	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	.4	75.4	84.6	91.2	94.6	94.9	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	.4	75.5	85.2	91.9	95.5	95.9	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	.4	76.0	85.9	92.6	96.4	96.8	97.5	98.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	.4	76.0	85.9	92.6	96.4	97.1	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	.4	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	.4	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	.4	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	.4	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12404U  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-8U  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (15)

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	.4 48.7	41.6 52.8	45.1 55.7	47.5 56.7	48.2 56.8	48.2 57.0	48.4 57.1	48.4 57.1	48.4 57.1	48.4 57.1	48.4 57.1	48.4 57.1	48.4 57.1	48.4 57.2	48.4 57.2	48.4 57.2
IV 18000 IV 16000	.4 48.8	48.7 52.9	55.7 55.8	56.7 56.8	56.8 56.9	57.0 57.1	57.1 57.1	57.1 57.1	57.1 57.2	57.1 57.2	57.1 57.2	57.1 57.2	57.1 57.2	57.2 57.2	57.2 57.2	57.2 57.2
IV 14000 IV 12000	.4 50.0	49.0 54.3	53.2 57.2	56.0 58.3	57.1 58.4	57.1 58.6	57.4 58.6	57.4 58.6	57.4 58.7	57.4 58.7	57.4 58.7	57.4 58.7	57.4 58.7	57.5 58.7	57.5 58.8	57.5 58.8
IV 10000 IV 9000	.4 53.4	53.4 58.6	58.2 61.9	61.4 63.1	62.6 63.3	62.7 63.5	63.0 63.6	63.0 63.6	63.0 63.6	63.1 63.6	63.1 63.6	63.1 63.6	63.1 63.6	63.1 63.7	63.1 63.7	63.1 63.7
IV 8000 IV 7000	.4 59.5	58.4 60.4	64.0 66.7	67.8 70.9	69.5 73.0	69.7 73.4	70.1 73.8	70.1 73.9	70.2 73.9	70.2 73.9	70.2 73.9	70.2 73.9	70.2 73.9	70.2 74.0	70.3 74.0	70.3 74.0
IV 6000 IV 5000	.4 61.4	59.5 60.4	65.4 66.7	69.4 70.9	71.3 73.0	71.6 73.4	72.0 73.8	72.1 73.9	72.1 73.9	72.1 73.9	72.1 73.9	72.1 73.9	72.1 73.9	72.2 74.0	72.2 74.0	72.2 74.0
IV 4500 IV 4000	.4 63.1	61.4 61.4	67.8 69.9	72.2 74.6	74.3 76.9	74.8 77.3	75.3 78.0	75.3 78.1	75.4 78.1	75.4 78.1	75.4 78.1	75.4 78.1	75.4 78.1	75.4 78.2	75.5 78.2	75.5 78.2
IV 3500 IV 3000	.4 66.4	63.1 63.1	69.9 73.8	74.6 78.9	76.9 81.5	77.3 82.1	78.0 82.8	78.1 82.9	78.1 83.0	78.1 83.0	78.1 83.0	78.1 83.0	78.1 83.0	78.2 83.1	78.2 83.1	78.2 83.1
IV 2500 IV 2000	.4 67.5	66.4 67.5	73.8 75.5	78.9 81.3	81.5 84.2	82.1 84.8	82.8 85.6	82.9 85.7	83.0 85.8	83.0 85.8	83.0 85.8	83.0 85.8	83.0 85.8	83.1 85.9	83.1 85.9	83.1 85.9
IV 1800 IV 1500	.4 68.8	67.5 68.8	75.5 76.6	81.3 82.6	84.2 85.7	84.8 86.4	85.6 87.4	85.7 87.5	85.8 87.5	85.8 87.6	85.8 87.6	85.8 87.6	85.8 87.6	85.9 87.7	85.9 87.8	85.9 87.8
IV 1200 IV 1000	.4 69.7	68.8 69.7	76.6 78.3	82.6 85.1	85.7 88.2	86.4 89.2	87.4 90.6	87.5 90.8	87.5 90.9	87.6 90.9	87.6 90.9	87.6 90.9	87.6 90.9	87.7 91.0	87.8 91.1	87.8 91.1
IV 900 IV 800	.4 69.9	69.7 69.9	78.3 79.2	85.1 86.8	88.2 90.9	89.2 91.9	90.6 93.7	90.8 94.0	90.9 94.3	90.9 94.3	90.9 94.3	90.9 94.3	90.9 94.3	91.0 94.5	91.1 94.5	91.1 94.5
IV 700 IV 600	.4 70.0	69.9 70.0	79.2 79.6	86.8 87.8	90.9 93.1	91.9 94.3	93.7 96.9	94.0 97.4	94.3 97.5	94.3 98.0	94.3 98.0	94.3 98.0	94.3 98.0	94.5 98.3	94.5 98.5	94.5 98.5
IV 500 IV 400	.4 70.1	70.0 70.1	79.6 79.6	87.8 87.8	93.1 93.1	94.3 94.3	96.9 96.9	97.4 97.4	97.5 97.5	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.3 98.3	98.5 98.5	98.5 98.5
IV 300 IV 200	.4 70.1	70.1 70.1	79.6 79.6	87.9 87.9	93.3 93.3	94.6 94.6	97.3 97.3	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.3 98.3	98.5 98.5	98.5 98.5
IV 100 IV 0	.4 70.1	70.1 70.1	79.6 79.6	87.9 87.9	93.3 93.3	94.6 94.6	97.4 97.4	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.3 98.3	98.5 98.5	98.5 98.5

TOTAL NUMBER OF OBSERVATIONS

5831

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72404D  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

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	41.6	49.4	52.6	55.0	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000 IV 16000	48.2	56.3	60.4	63.1	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000 IV 12000	48.6	56.7	60.8	63.5	63.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000 IV 9000	53.3	62.4	66.9	70.2	70.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000 IV 7000	57.0	67.9	73.4	76.7	77.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000 IV 5000	57.1	68.2	73.7	77.1	77.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4500 IV 4000	58.8	69.9	75.6	79.0	79.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500 IV 3000	62.5	74.0	80.4	84.1	84.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500 IV 2000	64.6	76.7	84.2	88.1	88.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800 IV 1500	66.3	78.6	86.5	90.8	90.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200 IV 1000	67.9	80.7	88.9	92.9	93.5	94.6	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 900 IV 800	68.8	82.0	90.9	95.2	95.7	96.9	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 700 IV 600	68.9	82.4	91.3	95.8	96.2	97.3	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 500 IV 400	69.0	82.8	91.9	96.4	97.0	98.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 300 IV 200	69.2	83.0	92.2	96.7	97.3	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 100 IV 0	69.2	83.0	93.2	97.7	98.3	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
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	≥0
NO CEILING	.1	37.2	42.7	48.0	51.5	52.0	53.4	53.4	53.4	53.9	54.1	54.1	54.1	54.1	54.2	54.2
IV 20000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 18000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 16000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 14000	.1	42.6	48.6	55.5	59.7	60.1	61.5	61.7	61.7	62.4	62.6	62.6	62.6	62.6	62.8	62.8
IV 12000	.1	42.6	49.2	56.0	60.3	60.7	62.1	62.2	62.2	62.9	63.2	63.2	63.2	63.2	63.3	63.3
IV 10000	.1	45.1	52.7	60.1	64.7	65.2	66.9	67.0	67.0	67.7	68.0	68.0	68.0	68.0	68.1	68.1
IV 9000	.1	45.6	53.2	60.7	65.3	65.7	67.4	67.8	67.8	68.5	68.8	68.8	68.8	68.8	69.0	69.0
IV 8000	.1	50.0	59.3	67.8	73.0	73.5	75.1	75.6	75.6	76.3	76.5	76.5	76.5	76.5	76.7	76.7
IV 7000	.1	50.1	59.4	68.0	73.3	73.7	75.6	76.0	76.0	76.7	77.0	77.0	77.0	77.0	77.1	77.1
IV 6000	.1	50.1	59.6	68.1	73.5	73.9	75.7	76.1	76.1	76.8	77.1	77.1	77.1	77.1	77.2	77.2
IV 5000	.1	50.7	60.1	68.7	74.2	74.6	76.4	76.8	76.8	77.5	77.8	77.8	77.8	77.8	77.9	77.9
IV 4500	.1	51.8	61.2	69.9	75.4	75.8	77.7	78.1	78.1	78.8	79.1	79.1	79.1	79.1	79.2	79.2
IV 4000	.1	53.7	63.2	72.5	77.9	78.4	80.2	80.6	80.6	81.3	81.6	81.6	81.6	81.6	81.7	81.7
IV 3500	.1	54.8	64.3	73.6	79.2	79.6	81.5	81.9	81.9	82.6	82.9	82.9	82.9	82.9	83.0	83.0
IV 3000	.1	56.7	67.7	77.2	83.0	83.4	85.3	85.7	85.7	86.5	86.8	86.8	86.8	86.8	86.9	86.9
IV 2500	.1	57.0	68.3	77.9	83.8	84.3	86.5	86.9	86.9	87.8	88.1	88.1	88.1	88.1	88.2	88.2
IV 2000	.1	57.9	69.1	79.1	85.3	85.7	87.9	88.3	88.3	89.2	89.5	89.5	89.5	89.5	89.6	89.6
IV 1800	.1	58.1	69.4	79.6	85.8	86.2	88.5	88.9	88.9	89.7	90.0	90.0	90.0	90.0	90.2	90.2
IV 1500	.1	59.4	70.8	81.5	88.1	88.6	90.9	91.3	91.3	92.1	92.4	92.4	92.4	92.4	92.6	92.6
IV 1200	.1	59.6	71.1	81.9	88.5	89.0	91.3	91.7	91.7	92.6	92.8	92.8	92.8	92.8	93.0	93.0
IV 1000	.1	60.0	71.5	82.7	89.5	90.2	92.6	93.0	93.0	93.8	94.1	94.1	94.1	94.1	94.2	94.2
IV 900	.1	60.1	71.6	82.9	89.6	90.3	92.7	93.1	93.1	94.0	94.2	94.2	94.2	94.2	94.4	94.4
IV 800	.1	60.7	72.3	83.6	90.4	91.3	94.0	94.4	94.4	95.4	95.6	95.6	95.6	95.6	95.8	95.8
IV 700	.1	61.1	72.8	84.1	91.3	92.3	95.2	95.6	95.6	96.6	96.9	96.9	96.9	96.9	97.1	97.1
IV 600	.1	61.1	72.8	84.3	91.9	92.8	95.8	96.3	96.3	97.3	97.6	97.6	97.6	97.6	97.8	97.8
IV 500	.1	61.1	72.8	84.3	92.0	93.0	96.1	96.8	96.8	97.8	98.0	98.0	98.0	98.0	98.2	98.2
IV 400	.1	61.1	72.8	84.4	92.6	93.5	96.6	97.3	97.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7
IV 300	.1	61.1	72.8	84.4	92.8	94.0	97.1	97.9	97.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3
IV 200	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.4	99.7	99.7
IV 100	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.4	99.7	99.7
IV 0	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040 STATION PATUXENT RIVER NAS MD

73-80 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

3600-0800 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.3	≥.2	≥.2
NO CEILING		34.5	40.5	44.5	47.5	47.9	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000		40.2	47.6	52.2	55.8	56.2	58.8	59.6	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000		40.4	47.8	52.4	55.9	56.3	58.9	59.8	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000		40.4	47.8	52.4	55.9	56.3	58.9	59.8	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000		40.9	48.4	53.1	56.6	57.1	59.6	60.5	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000		41.5	48.9	53.6	57.2	57.6	60.2	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000		44.8	52.8	58.9	63.2	63.9	66.6	67.5	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000		44.8	52.8	59.2	63.5	64.2	66.9	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	.1	49.4	58.2	65.6	71.0	71.8	74.5	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 7000	.1	50.1	59.2	66.6	72.0	72.8	75.5	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	.1	50.9	60.1	67.9	72.9	73.6	76.3	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5
IV 5000	.1	51.4	60.5	67.9	73.6	74.3	77.0	77.9	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	.1	52.1	61.6	69.0	74.9	75.6	78.3	79.2	79.2	79.3	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	.1	52.5	62.2	69.9	76.0	76.7	79.5	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	.1	52.5	62.2	69.9	76.0	76.7	79.5	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	.1	53.6	63.6	72.0	78.2	78.9	81.6	82.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	.1	54.5	64.5	73.2	79.5	80.3	83.2	84.0	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	.1	54.9	65.2	74.5	80.7	81.6	84.7	85.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	.1	55.2	65.6	74.9	81.2	82.0	85.2	86.2	86.2	86.4	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500	.1	56.9	67.5	76.9	83.3	84.2	87.3	88.3	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200	.1	57.8	68.3	77.7	84.3	85.3	88.4	89.6	89.6	89.9	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	.1	58.5	69.2	78.9	86.0	87.2	90.4	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	.1	59.1	69.8	79.5	86.9	88.2	91.6	92.9	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	.1	59.8	70.9	80.9	88.4	90.0	93.6	94.9	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6
IV 700	.1	60.2	71.3	81.3	89.2	90.7	94.6	95.9	95.9	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	.1	60.5	71.6	81.6	89.4	91.0	95.3	96.7	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	.1	60.5	72.0	82.2	90.2	92.2	96.6	98.0	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	
NO CEILING		39.4	42.5	45.8	47.5	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVIV 18000	46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVIV 16000	46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVIV 14000	46.8	51.8	55.6	57.9	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IVIV 12000	48.0	53.2	57.2	59.4	60.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IVIV 10000	50.8	56.3	61.0	63.2	64.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IVIV 9000	50.8	56.3	61.0	63.2	64.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IVIV 8000	55.1	61.8	66.9	69.6	70.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IVIV 7000	56.9	63.8	68.9	71.7	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IVIV 6000	58.0	65.1	70.3	73.1	74.1	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IVIV 5000	58.3	65.4	70.6	73.5	74.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IVIV 4500	59.3	66.5	71.8	74.8	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IVIV 4000	61.0	68.5	73.9	76.9	78.0	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IVIV 3500	61.4	69.0	74.5	77.5	78.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IVIV 3000	63.1	71.1	76.6	79.9	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IVIV 2500	64.8	73.0	78.7	82.1	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IVIV 2000	66.1	74.4	80.4	84.2	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IVIV 1800	66.5	74.8	80.8	84.8	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IVIV 1500	68.0	76.9	83.1	87.2	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVIV 1200	69.2	78.2	85.1	89.4	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVIV 1000	70.4	79.7	87.3	91.8	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVIV 900	70.7	80.1	88.3	92.8	95.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IVIV 800	70.7	80.4	88.6	93.1	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5
IVIV 700	70.8	80.7	88.9	93.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0
IVIV 600	71.0	81.0	89.3	93.9	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.7	98.7
IVIV 500	71.0	81.1	89.6	94.4	97.5	99.0	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9
IVIV 400	71.0	81.1	89.6	94.4	97.5	99.0	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9
IVIV 300	71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IVIV 200	71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IVIV 100	71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IVIV 0	71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 710

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1	
NO CEILING																	
≥ 20000		41.1	45.9	49.2	51.1	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 18000		46.6	54.2	58.9	61.3	61.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000		46.7	54.4	59.1	61.5	62.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000		47.0	54.7	59.3	61.8	62.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000		47.7	55.4	60.1	62.5	63.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000		51.6	59.6	64.7	67.1	67.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 9000		51.6	59.6	64.7	67.1	67.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000		56.4	65.6	70.8	73.9	74.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 7000		57.1	66.3	71.8	74.9	75.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000		57.1	66.3	72.1	75.2	75.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000		57.6	66.9	72.7	75.8	76.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500		57.8	67.1	73.1	76.2	76.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000		59.9	69.3	76.1	79.7	80.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500		60.9	70.5	77.1	80.7	81.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000		65.2	75.2	81.7	85.6	86.3	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500		67.1	77.6	84.8	89.0	89.7	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000		68.8	79.6	87.0	91.5	92.2	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800		69.0	79.7	87.1	91.8	92.5	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500		69.5	80.5	88.0	92.9	93.8	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200		69.7	80.6	88.2	93.2	94.1	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000		69.7	80.7	88.7	94.1	94.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900		69.7	80.7	88.8	94.2	95.0	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800		69.7	80.7	89.0	94.3	95.3	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700		69.7	80.7	89.1	94.5	95.6	97.6	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600		69.8	81.0	89.4	94.9	96.0	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		69.8	81.0	89.5	95.2	96.3	98.7	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 706



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.4	≥.4	≥.4	≥.4
NO CEILING	.1	40.2	44.7	47.9	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 20000	.1	48.9	55.9	61.0	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	.1	49.2	56.2	61.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	.1	49.2	56.4	61.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	.1	49.5	56.7	61.8	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	.1	50.1	57.3	62.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	.1	52.8	60.7	66.2	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	.1	53.3	61.2	66.8	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	.1	57.0	66.1	72.6	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	.1	58.3	67.3	74.3	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	.1	58.4	67.5	74.5	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	.1	59.5	68.7	75.8	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4500	.1	60.4	69.6	76.8	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4000	.1	62.0	71.3	78.9	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	.1	63.6	73.1	81.0	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	.1	67.2	76.8	85.1	90.1	90.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	.1	67.9	77.8	86.3	91.7	91.7	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	.1	68.6	78.5	87.3	92.6	92.6	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	.1	68.7	78.6	87.4	92.8	92.8	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	.1	69.2	79.1	88.5	94.3	94.3	95.5	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	.1	69.2	79.3	88.8	94.6	94.6	95.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	.1	69.2	79.5	89.4	95.6	95.6	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	.1	69.2	79.5	89.5	95.8	95.8	96.9	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	.1	69.7	80.3	90.4	96.6	96.7	98.0	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	.1	70.0	80.6	90.9	97.2	97.3	98.7	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	.1	70.0	80.6	91.1	97.5	97.6	99.0	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140  
STATION

PAIUXENT RIVER NAS MU  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥0	≥0
NO CEILING		42.2	48.5	51.5	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 20000		51.4	59.9	63.9	66.3	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000		51.4	59.9	63.9	66.3	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000		51.4	60.0	64.0	66.4	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000		51.6	60.5	64.4	66.9	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000		52.8	61.7	66.0	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000		56.0	66.0	70.3	72.7	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000		56.2	66.1	70.4	72.8	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000		59.5	70.4	74.8	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 7000		60.3	71.6	76.4	79.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000		60.6	71.8	76.7	79.5	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000		61.2	72.4	77.7	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500		62.4	74.0	79.7	82.5	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4000		64.2	76.5	82.5	85.5	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500		64.6	77.0	83.1	86.1	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000		67.0	79.5	85.8	89.3	89.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2500		67.1	79.7	86.1	89.8	90.2	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000		69.0	81.9	88.8	92.5	92.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800		69.1	82.1	88.9	92.6	93.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500		69.1	82.1	89.3	93.2	93.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200		69.3	82.4	89.9	93.7	94.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000		69.7	82.8	90.6	94.5	94.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900		69.7	82.9	90.9	94.9	95.3	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
IV 800		69.7	83.2	91.3	95.7	96.3	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	.1	70.0	83.6	92.9	96.9	97.6	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	.1	70.0	83.8	92.8	97.0	97.7	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	.1	70.0	83.8	92.8	97.0	97.7	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	.1	70.0	83.8	92.7	97.2	97.9	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 703

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040 PATUXENT RIVER NAS MD

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

4100-2300  
 HOUR (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING																
≥ 20000	46.2	53.2	56.9	59.0	59.3	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	51.3	59.6	64.0	66.4	66.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 16000	51.3	59.6	64.0	66.4	66.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	52.0	60.3	64.7	67.1	67.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000	52.5	61.0	65.4	67.8	68.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	56.5	66.0	70.5	73.0	73.3	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	56.9	66.4	70.9	73.4	73.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	59.9	70.9	76.6	79.1	79.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 7000	60.5	71.6	77.4	79.9	80.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	60.6	71.8	77.5	80.1	80.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	61.2	72.5	78.7	81.4	81.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500	61.6	72.9	79.1	82.1	82.3	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	63.6	74.9	81.9	84.9	85.2	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	64.0	75.3	82.3	85.5	85.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	65.7	77.1	85.0	88.4	88.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	66.5	78.4	86.4	90.0	90.3	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	67.4	79.2	87.7	91.5	91.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	67.7	79.5	88.0	91.9	92.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	69.1	81.1	90.0	94.1	94.4	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	69.6	81.6	90.5	94.6	94.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	70.5	82.6	91.9	96.0	96.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	70.5	82.6	91.9	96.0	96.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	70.5	82.6	92.4	96.5	96.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	70.6	82.9	92.5	96.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	70.6	82.9	92.5	96.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	70.8	83.1	92.8	96.9	97.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	70.9	83.2	93.2	97.3	97.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140

PATUXENT RIVER NAS MD

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 MONTH

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 8	≥ 6	≥ 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	40.3	43.9	49.5	51.8	52.2	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	46.8	54.1	58.8	61.5	61.9	63.8	63.8	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IVN 18000	46.8	54.2	58.9	61.7	62.1	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IVN 16000	47.3	54.7	59.4	62.2	62.6	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IVN 14000	48.0	55.5	60.3	63.1	63.5	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVN 12000	51.4	59.8	65.1	68.2	68.7	69.8	70.0	70.4	70.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IVN 10000	55.8	65.0	71.1	74.6	75.1	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IVN 8000	56.3	65.9	72.1	75.7	76.1	77.3	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IVN 7000	56.4	66.3	72.6	76.2	76.6	77.8	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IVN 6000	57.2	66.9	73.3	77.0	77.5	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IVN 5000	58.0	67.8	74.4	78.2	78.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3
IVN 4500	59.8	69.9	76.9	80.9	81.4	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
IVN 4000	60.5	70.7	77.7	81.8	82.3	83.6	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVN 3500	62.9	73.4	80.9	85.2	85.7	87.0	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IVN 3000	63.7	74.5	82.2	86.7	87.2	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2
IVN 2500	64.8	75.8	83.8	88.6	89.1	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IVN 2000	65.1	76.4	84.2	88.9	89.4	91.8	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6
IVN 1800	66.1	77.2	85.7	90.7	91.2	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IVN 1500	66.5	77.8	86.4	91.4	92.1	93.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
IVN 1200	67.1	78.5	87.2	92.8	93.6	95.3	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVN 1000	67.2	78.7	87.6	93.2	94.0	95.8	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IVN 900	67.4	79.1	88.4	93.8	94.9	96.7	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVN 800	67.7	79.4	88.9	94.4	95.4	97.3	97.6	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVN 700	67.7	79.5	89.0	94.7	95.8	97.8	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVN 600	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 500	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 400	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 300	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 200	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 100	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 0	67.8	79.7	89.4	95.2	96.3	98.3	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 5851

GLOBAL CLIMATOLOGY BRANCH  
 USAP/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040 PATUXENT RIVER NAS MD

73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS - EST

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	.1	37.8	47.1	54.0	56.7	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IN 20000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 18000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 16000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 14000	.1	41.7	53.6	63.0	66.9	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 12000	.1	42.2	54.5	63.9	68.2	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IN 10000	.1	44.8	57.7	68.3	73.5	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IN 9000	.1	44.9	57.8	68.4	73.6	74.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 8000	.1	47.7	62.0	74.3	80.2	80.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IN 7000	.1	48.5	63.1	75.4	81.3	82.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 6000	.1	48.5	63.1	75.4	81.3	82.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 5000	.1	50.0	64.8	77.0	83.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IN 4500	.1	50.3	65.0	77.3	83.6	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 4000	.1	50.8	65.7	78.7	85.1	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IN 3500	.1	51.4	66.3	79.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IN 3000	.1	52.2	68.2	81.7	88.5	89.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IN 2500	.1	52.7	69.0	82.7	89.9	90.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IN 2000	.1	53.3	69.5	83.3	91.3	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 1800	.1	53.4	69.7	83.5	91.4	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IN 1500	.1	53.7	70.6	84.7	92.8	94.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 1200	.1	53.7	71.0	85.4	93.6	94.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IN 1000	.1	54.1	71.4	85.9	94.1	95.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IN 900	.1	54.6	72.3	86.7	94.9	96.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 800	.1	54.8	72.5	87.0	95.2	96.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IN 700	.1	54.9	72.7	87.2	95.5	97.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 600	.1	54.9	72.7	87.2	95.5	97.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 500	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 400	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 300	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 200	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 100	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 0	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	20	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	19
NO CEILING																
IV 20000		32.7	40.7	48.0	54.0	55.5	56.0	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000		35.6	45.0	56.3	63.7	64.5	66.0	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 16000		35.6	45.0	56.3	63.7	64.5	66.0	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 14000		35.6	45.0	56.3	63.7	64.5	66.0	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 12000		36.0	46.0	57.3	64.9	65.0	68.2	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 10000		39.5	51.0	61.9	70.5	72.1	74.9	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000		39.5	51.0	62.1	70.7	72.2	74.7	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000		42.6	55.1	66.8	77.1	78.6	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000		43.4	55.9	68.1	78.5	80.0	82.5	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000		43.4	56.0	68.2	78.6	80.1	82.6	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000		44.1	56.7	69.0	80.0	81.6	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500		44.7	57.3	69.6	80.7	82.3	84.9	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000		45.6	58.6	71.1	82.5	83.2	86.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500		45.9	59.2	71.6	83.0	84.8	87.5	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000		46.8	61.1	74.1	85.0	87.7	90.4	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500		47.1	61.5	74.5	86.3	88.2	91.4	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000		47.1	61.6	74.7	86.4	88.3	91.6	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800		47.1	61.6	74.8	86.4	88.4	91.6	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500		47.1	62.1	75.0	87.5	89.6	92.7	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200		47.3	62.5	76.7	88.4	90.7	94.0	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000		47.7	63.2	77.7	89.9	91.9	95.2	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900		47.7	63.4	77.9	90.3	92.5	95.9	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800		48.1	63.6	78.5	91.0	93.1	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700		48.1	63.8	78.5	91.0	93.4	97.7	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600		48.1	63.8	78.6	91.2	93.7	98.2	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500		48.1	63.8	78.6	91.4	93.8	98.5	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400		48.1	63.8	78.6	91.4	93.8	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		48.1	63.8	78.6	91.4	93.8	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		48.1	63.8	78.6	91.4	93.8	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		48.1	63.8	78.6	91.4	93.8	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		48.1	63.8	78.6	91.4	93.8	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040

PATUXENT RIVER NAS MD

73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5-10	≥4	≥0	
NO CEILING	.4	26.7	33.3	39.9	44.7	46.3	49.3	50.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1
≥ 20000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.5
≥ 18000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.5
≥ 16000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.5
≥ 14000	.4	31.4	38.8	46.2	52.1	54.0	57.5	59.0	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9
≥ 12000	.4	32.3	39.7	47.3	53.2	55.1	58.6	60.1	60.3	60.8	60.8	60.8	60.8	60.8	61.0	61.0	61.0
≥ 10000	.4	37.1	45.1	53.8	61.6	64.4	68.4	69.9	70.0	70.5	70.5	70.5	70.5	70.5	70.7	70.7	70.7
≥ 9000	.4	37.1	45.1	54.0	61.8	64.5	68.5	70.0	70.1	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8
≥ 8000	.5	41.4	51.6	62.9	72.3	75.1	79.0	80.5	80.7	81.2	81.2	81.2	81.2	81.2	81.4	81.4	81.4
≥ 7000	.5	42.1	52.5	63.7	73.2	75.9	79.9	81.4	81.5	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
≥ 6000	.5	42.1	52.5	63.7	73.2	75.9	79.9	81.4	81.5	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
≥ 5000	.5	43.0	53.6	65.1	74.9	77.7	82.1	83.6	83.7	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4
≥ 4500	.5	43.2	54.0	65.5	75.5	78.2	82.6	84.1	84.2	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
≥ 4000	.5	43.8	54.8	66.4	76.8	79.6	84.0	85.5	85.6	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3
≥ 3500	.5	44.0	54.9	67.0	77.8	80.7	85.1	86.6	86.7	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4
≥ 3000	.5	44.8	56.3	68.8	79.9	83.0	87.5	89.0	89.2	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9
≥ 2500	.5	44.8	56.3	68.8	80.0	83.2	87.7	89.2	89.3	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
≥ 2000	.5	44.9	56.4	68.9	80.1	83.4	88.1	89.6	89.7	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 1800	.5	44.9	56.4	68.9	80.3	83.6	88.2	89.7	89.9	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 1500	.5	45.2	56.7	69.2	80.8	84.2	89.0	90.5	90.7	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.4
≥ 1200	.5	45.3	57.0	69.7	81.4	84.9	89.7	91.2	91.4	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 1000	.5	45.5	57.5	70.5	83.0	86.7	91.6	93.4	93.6	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4
≥ 900	.5	45.9	58.1	71.1	83.6	87.4	92.3	94.2	94.4	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3
≥ 800	.5	46.4	59.0	72.3	84.9	88.9	94.1	96.4	96.6	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5
≥ 700	.5	46.8	59.2	72.6	85.3	89.3	94.5	97.0	97.1	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1
≥ 600	.5	46.8	59.2	72.6	85.3	89.6	94.8	97.7	97.8	98.5	98.5	98.5	98.5	98.5	98.8	98.8	98.8
≥ 500	.5	46.8	59.5	72.9	85.9	90.1	95.3	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3
≥ 400	.5	46.8	59.5	72.9	85.9	90.1	95.5	98.6	98.8	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 300	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0
≥ 200	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0
≥ 100	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0
≥ 0	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

750

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

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	1.2	36.4	41.4	47.4	50.7	52.0	53.5	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	1.2	41.7	47.7	54.9	59.5	60.9	62.9	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	1.2	41.8	47.8	55.0	59.6	61.0	63.0	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	1.2	42.0	48.0	55.2	59.8	61.1	63.2	63.5	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	1.2	42.9	48.9	56.1	60.7	62.1	64.1	64.4	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	1.2	46.9	53.4	62.6	67.0	68.3	70.5	70.8	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	1.2	47.1	53.7	62.5	67.5	68.9	71.1	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	1.4	49.3	56.8	67.5	73.4	75.0	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 7000	1.4	49.9	57.5	68.2	74.3	76.1	78.4	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	1.4	49.9	57.6	68.3	74.7	76.5	78.8	79.1	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	1.4	50.7	58.4	69.4	75.8	77.6	80.0	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	1.4	51.2	59.1	70.1	76.5	78.3	81.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	1.4	52.2	60.5	72.3	79.1	80.8	83.6	83.8	83.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	1.4	52.3	60.6	72.8	79.8	81.5	84.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	1.4	53.5	63.0	75.8	83.3	85.5	88.6	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.4	54.3	63.9	76.8	84.2	86.9	89.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	1.4	54.6	64.1	77.3	85.1	87.4	90.6	91.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	1.4	55.0	64.5	77.7	85.6	87.9	91.2	91.7	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1500	1.4	56.1	66.0	79.5	88.3	90.8	94.0	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	1.4	56.5	66.6	80.0	89.0	91.6	95.0	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	1.4	57.2	67.3	80.7	90.2	93.3	96.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	1.4	57.3	67.4	80.8	90.5	93.6	97.4	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	1.4	57.3	67.5	81.1	90.8	93.9	97.7	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	1.4	57.3	67.8	81.4	91.0	94.2	98.0	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	1.4	57.3	67.8	81.4	91.0	94.2	98.0	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	1.1	35.2	42.0	47.9	51.4	52.5	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 20000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	1.1	43.8	52.5	59.9	63.9	65.0	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 12000	1.1	44.9	53.6	61.3	65.2	66.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	1.1	47.8	56.7	65.1	69.2	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	1.1	47.8	56.7	65.1	69.2	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	1.1	48.9	59.1	68.3	73.6	75.0	76.2	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	1.1	49.2	59.3	68.5	73.9	75.3	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	1.1	49.2	59.5	68.7	74.0	75.4	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 5000	1.1	49.5	60.2	69.6	75.3	76.6	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	1.1	50.0	60.7	70.3	76.0	77.3	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	1.1	51.1	62.0	72.3	77.9	79.3	81.3	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	1.1	51.6	62.5	72.9	78.8	80.4	82.4	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3000	1.1	54.8	66.8	79.0	85.7	87.6	90.2	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	1.1	56.3	68.8	81.2	88.3	90.7	93.3	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	1.1	57.0	69.8	82.6	90.2	92.6	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	1.1	57.1	69.9	82.8	90.7	93.0	95.7	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	1.1	57.8	71.0	84.1	92.2	94.6	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	1.1	57.8	71.2	84.3	92.7	95.2	98.2	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	1.1	57.8	71.2	84.3	92.7	95.2	98.2	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	1.1	57.8	71.2	84.3	92.9	95.3	98.4	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	1.1	57.8	71.2	84.5	93.3	95.7	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72404U  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	1.1	32.6	39.5	44.8	48.6	49.5	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	1.1	40.1	49.0	56.3	61.4	62.8	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	1.1	41.2	50.7	58.2	63.7	65.1	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 10000	1.1	45.0	55.0	63.3	70.0	71.3	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 9000	1.1	45.0	55.0	63.5	70.1	71.5	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	1.1	47.4	58.3	68.2	75.7	77.2	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	1.1	47.7	59.2	69.3	76.8	78.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	1.1	47.8	59.4	69.4	76.9	78.4	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000	1.1	48.6	60.2	70.4	78.3	79.8	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500	1.1	49.2	60.9	71.3	79.2	80.7	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	1.1	50.0	62.1	73.9	82.1	83.6	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3500	1.1	50.0	62.1	73.9	82.2	83.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	1.1	54.2	67.4	79.8	89.1	90.9	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	1.1	54.6	67.9	80.4	90.2	92.0	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	1.1	54.9	68.5	81.1	91.3	93.1	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	1.1	54.9	68.5	81.1	91.3	93.1	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	1.1	55.3	69.0	82.2	92.5	94.4	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	1.1	55.3	69.0	82.5	92.9	94.8	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	1.1	55.3	69.0	82.6	93.6	95.5	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	1.1	55.3	69.0	82.7	93.8	95.8	98.4	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5
IV 800	1.1	55.3	69.0	82.7	93.9	95.9	98.5	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 700	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9
IV 600	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9
IV 500	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 400	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	32.1	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	39.3	48.8	56.3	60.0	62.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	40.2	50.4	58.4	62.4	64.4	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	42.6	53.6	62.4	67.4	69.5	71.3	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	42.7	53.7	62.5	67.6	69.6	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	46.3	58.7	69.1	75.1	77.2	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	47.7	60.3	71.8	78.2	80.2	82.1	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	47.9	60.6	72.1	78.4	80.5	82.4	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	48.5	61.3	72.9	79.5	81.9	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	48.6	61.5	73.5	80.2	82.6	84.8	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4000	49.5	62.5	74.7	81.7	84.1	86.3	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	49.5	62.5	74.9	82.4	84.8	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	51.6	65.1	78.3	86.3	88.7	90.9	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	52.3	66.2	79.5	88.0	90.5	92.7	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	53.2	67.0	80.9	89.8	92.3	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	53.2	67.2	81.2	90.2	92.7	95.1	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	53.4	67.6	81.7	90.8	93.3	96.0	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	53.4	67.6	82.0	91.1	93.5	96.3	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	53.6	67.7	82.3	91.6	94.1	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	53.6	67.7	82.6	91.9	94.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	53.7	67.9	83.0	92.3	94.8	97.8	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	53.7	67.9	83.1	92.6	95.1	98.1	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	53.7	67.9	83.1	92.6	95.1	98.1	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	53.7	68.0	83.5	93.1	95.6	98.6	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

728

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.1	≥.05	≥.02	≥.01	
NO CEILING																	
IV 20000		35.5	42.2	48.6	52.2	53.3	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000		39.2	49.2	57.3	62.3	63.6	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000		39.2	49.2	57.3	62.3	63.6	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000		39.2	49.2	57.3	62.6	63.8	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 12000		39.2	49.9	58.4	63.8	65.1	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000		41.9	53.4	63.3	69.2	70.4	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000		41.9	53.4	63.3	69.2	70.4	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000		46.0	59.3	70.4	77.9	79.2	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 7000		46.7	60.5	72.5	80.1	81.4	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 6000		46.8	60.7	72.6	80.3	81.5	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000		47.7	61.6	74.5	82.5	83.7	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4500		47.5	61.9	75.1	83.4	84.7	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000		48.5	62.7	77.0	85.9	87.1	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500		48.6	62.9	77.1	86.0	87.3	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3000		50.4	65.6	80.5	90.1	91.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500		51.5	66.7	81.9	91.5	92.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000		51.9	67.3	82.7	92.5	93.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800		52.1	67.4	83.0	92.7	94.0	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500		52.6	67.9	84.0	94.1	95.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200		52.7	68.2	84.5	94.7	95.9	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000		53.0	68.6	85.1	95.2	96.4	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900		53.0	68.6	85.1	95.3	96.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800		53.0	68.6	85.2	95.5	96.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700		53.3	68.9	85.5	95.8	97.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600		53.3	68.9	85.5	95.9	97.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140  
STATION

PAIURENI RIVER NAS MU  
STATION NAME

73-80  
YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	21	21	21	21	21	21	21	21	21
NO CEILING	.5	33.6	40.7	46.9	50.8	51.8	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	.6	39.0	48.1	56.0	61.0	62.3	63.8	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 18000	.6	39.0	48.1	56.1	61.0	62.3	63.9	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 6000	.6	39.1	48.1	56.1	61.0	62.3	63.9	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 14000	.6	39.1	48.2	56.3	61.3	62.6	64.2	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0
IV 12000	.6	39.9	49.3	57.6	62.8	64.1	65.7	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 10000	.6	43.2	53.2	62.5	68.6	70.1	71.8	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 9000	.6	43.3	53.3	62.7	68.7	70.2	72.0	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	.6	46.2	57.6	68.4	75.7	77.3	79.1	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 7000	.6	46.9	58.5	69.7	77.0	78.6	80.5	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	.6	47.0	58.7	69.8	77.2	78.8	80.6	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 5000	.6	47.8	59.6	71.0	78.7	80.4	82.4	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.3	83.3
IV 4500	.6	48.1	60.1	71.6	79.4	81.0	83.2	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	.6	48.9	61.1	73.3	81.4	83.1	85.2	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	.6	49.1	61.4	73.7	82.0	83.7	85.9	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	.6	51.1	64.2	77.2	86.1	88.0	90.5	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	.6	51.7	65.0	78.2	87.3	89.3	91.8	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2000	.6	52.1	65.5	78.9	88.3	90.4	93.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	.6	52.2	65.7	79.1	88.6	90.6	93.3	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	.6	52.7	66.4	80.1	89.9	92.0	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	.6	52.8	66.6	80.6	90.4	92.6	95.5	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.6
IV 1000	.6	53.0	67.0	81.1	91.3	93.6	96.6	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	.6	53.2	67.2	81.4	91.6	94.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2
IV 800	.6	53.3	67.5	81.8	92.1	94.5	97.6	98.5	98.5	98.9	98.9	98.9	98.9	98.9	99.0	99.0
IV 700	.6	53.4	67.6	81.9	92.3	94.8	97.9	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	.6	53.4	67.6	81.9	92.4	94.9	98.1	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9
IV 300	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5850

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040 STATION PATUXENT RIVER NAS MD

73-80 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	.1	33.7	42.8	51.1	56.5	56.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 20000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	.1	42.0	54.1	65.7	73.3	73.6	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 9000	.1	42.1	54.5	65.7	73.8	74.1	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 8000	.1	45.2	58.3	71.3	79.8	80.2	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	.1	45.4	58.6	71.5	80.1	80.5	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	.1	45.4	58.6	71.5	80.1	80.5	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000	.1	45.6	59.1	72.1	80.8	81.2	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4500	.1	46.6	60.1	73.8	81.7	82.4	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.5	84.5	84.5
IV 4000	.1	47.4	61.2	74.3	83.2	84.1	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1
IV 3500	.1	47.8	61.7	74.8	84.3	85.1	86.8	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2
IV 3000	.1	50.1	65.7	79.3	89.4	90.2	91.8	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
IV 2500	.1	50.7	66.3	80.4	90.5	91.3	92.9	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3
IV 2000	.1	50.8	66.5	80.5	90.7	91.6	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7
IV 1800	.1	51.0	66.6	80.7	90.9	91.7	93.5	93.6	93.6	93.7	93.7	93.7	93.9	93.9	93.9	93.9
IV 1500	.1	51.4	67.0	81.3	91.8	92.8	94.8	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2
IV 1200	.1	51.9	67.6	82.0	92.5	93.5	95.5	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9
IV 1000	.1	52.2	67.8	82.3	92.8	93.7	95.8	96.2	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5
IV 900	.1	52.7	68.7	83.1	93.6	94.6	97.0	97.4	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7
IV 800	.1	53.1	69.1	83.5	94.0	95.0	97.4	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
IV 700	.1	53.3	69.6	84.2	94.8	96.0	98.6	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
IV 600	.1	53.3	69.8	84.6	95.2	96.5	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
IV 500	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
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	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	.1	28.5	39.3	48.4	56.2	56.6	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 20000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 18000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 16000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	.1	31.0	43.4	53.6	62.5	63.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 12000	.1	31.1	44.0	54.1	63.6	64.2	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	.1	35.2	48.9	59.5	70.4	71.4	73.3	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 9000	.1	35.3	49.0	59.6	70.5	71.5	73.4	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 5000	.1	39.5	54.7	67.1	78.9	80.0	82.3	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	.1	40.0	55.2	67.7	79.5	80.5	82.9	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	.1	41.4	57.3	70.0	81.9	83.4	85.8	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	.1	41.6	57.8	70.5	82.7	84.2	86.6	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	.1	43.7	60.8	73.6	86.3	87.8	90.1	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	.1	44.0	61.1	74.0	86.7	88.2	90.5	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	.1	44.4	61.6	74.9	87.9	89.5	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	.1	45.1	62.3	75.8	88.8	90.3	92.6	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	.1	45.3	63.2	76.6	89.9	91.4	93.7	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	.1	45.8	63.6	77.0	90.7	92.2	94.5	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	.1	46.2	64.2	77.7	91.4	93.0	95.6	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	.1	46.4	64.7	78.1	91.9	93.6	96.2	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	.1	46.7	64.9	78.8	92.7	94.4	97.0	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	.1	46.7	65.2	79.2	93.2	94.9	97.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	.1	46.7	65.6	79.6	93.7	95.5	98.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	.1	46.7	65.8	79.7	93.8	95.6	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-114U  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING																
≥ 20000	22.6	31.5	39.3	47.0	49.0	52.0	52.0	52.0	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7
IV N 18000	26.8	36.9	45.8	54.8	57.7	61.6	61.6	61.6	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.3
IV N 16000	26.8	36.9	45.8	54.8	57.7	61.6	61.6	61.6	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.3
IV N 14000	27.5	37.7	46.6	55.6	58.5	62.4	62.4	62.4	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.1
IV N 12000	28.0	38.6	47.6	56.6	59.5	63.4	63.4	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.1	64.1
IV N 10000	31.1	42.3	52.3	62.1	66.6	71.4	71.6	71.6	71.8	72.1	72.1	72.3	72.3	72.3	72.3	72.3
IV N 9000	31.1	42.3	52.4	62.3	66.7	71.6	71.7	71.7	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4
IV N 8000	35.8	49.2	60.7	71.4	76.0	81.6	81.7	81.7	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4
IV N 7000	36.1	49.5	61.0	72.0	76.6	82.1	82.2	82.2	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9
IV N 6000	36.3	49.8	61.3	72.3	76.8	82.4	82.5	82.5	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2
IV N 5000	36.4	50.6	62.3	73.5	78.1	83.6	83.8	83.8	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5
IV N 4500	37.0	50.8	62.4	73.6	78.2	83.8	83.9	83.9	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6
IV N 4000	37.6	51.3	63.7	75.0	79.8	85.6	85.7	85.7	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4
IV N 3500	37.7	51.5	63.8	75.5	80.2	86.0	86.1	86.1	86.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8
IV N 3000	38.3	52.3	65.5	77.4	82.2	88.1	88.2	88.2	88.5	88.8	88.8	88.9	88.9	88.9	88.9	88.9
IV N 2500	38.4	52.7	65.9	77.8	82.7	88.5	88.6	88.6	89.0	89.3	89.3	89.5	89.5	89.5	89.5	89.5
IV N 2000	39.0	53.4	66.9	78.9	83.9	89.7	89.9	89.9	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7
IV N 1800	39.1	53.5	67.0	79.1	84.0	89.9	90.0	90.0	90.4	90.7	90.7	90.8	90.8	90.8	90.8	90.8
IV N 1500	39.8	54.2	68.0	80.0	85.2	91.0	91.1	91.1	91.5	91.8	91.8	92.0	92.0	92.0	92.0	92.0
IV N 1200	40.2	54.8	68.5	81.0	86.4	92.4	92.6	92.6	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5
IV N 1000	41.3	55.4	69.6	82.4	88.1	94.2	94.6	94.6	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4
IV N 900	41.3	56.0	69.8	82.7	88.3	94.5	94.9	94.9	95.3	95.6	95.6	95.8	95.8	95.8	95.8	95.8
IV N 800	42.2	57.0	71.0	84.2	89.9	96.0	96.4	96.4	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4
IV N 700	42.6	57.4	71.4	84.6	90.3	96.4	96.8	96.8	97.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1
IV N 600	42.7	57.7	71.8	85.4	91.3	97.4	97.8	97.8	98.2	98.6	98.6	99.0	99.0	99.0	99.0	99.0
IV N 500	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.4	99.4	99.9	99.9	99.9	99.9	99.9
IV N 400	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV N 300	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV N 200	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV N 100	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV N 0	42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 721



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.5	≥.4	≥.3	≥.2	≥.1
NO CEILING		28.2	31.2	45.7	51.0	52.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000		33.0	43.8	53.9	60.6	61.9	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 12000		33.6	45.0	55.3	61.9	63.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000		37.5	49.2	60.3	68.6	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000		38.2	50.1	61.1	69.4	70.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000		40.8	53.3	64.8	73.7	75.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 7000		41.2	53.8	65.3	74.2	75.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 6000		41.6	54.2	65.8	74.6	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000		42.7	55.3	66.8	75.7	77.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500		42.7	55.3	66.8	75.7	77.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4000		43.0	55.8	67.8	77.2	79.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500		43.2	56.1	68.1	77.6	79.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000		46.1	59.3	72.0	81.9	84.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500		46.7	60.2	73.0	82.8	85.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2000		48.2	61.8	74.8	84.9	87.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800		48.2	61.9	74.9	85.0	87.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500		49.2	63.3	77.1	87.7	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200		49.9	64.1	78.0	88.8	92.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000		50.9	65.6	79.7	90.7	94.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900		50.9	65.6	79.8	91.3	95.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800		51.4	66.7	80.9	92.8	96.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700		51.4	66.7	80.9	92.8	96.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		51.4	66.7	80.9	92.9	96.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12N140

PATUXENT RIVER NAS MD

73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING	.1	30.7	38.7	46.5	50.8	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	.1	36.6	46.6	56.1	62.3	62.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	.1	37.4	47.9	57.3	63.5	64.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	.1	41.2	52.5	62.4	69.3	70.1	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	.1	41.2	52.7	62.6	69.4	70.2	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	.1	42.3	54.3	63.2	72.0	73.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	.1	43.1	55.1	66.4	73.3	74.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	.1	43.3	55.4	66.7	73.5	74.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	.1	43.9	56.0	67.4	74.3	75.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	.1	43.9	56.0	67.4	74.3	75.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	.1	44.9	56.9	68.9	76.1	77.5	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	.1	46.4	58.4	70.4	77.6	79.0	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	.1	50.1	62.8	75.3	84.0	85.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	.1	52.1	65.2	77.8	87.4	88.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	.1	53.2	66.3	79.0	89.0	90.5	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	.1	53.2	66.3	79.0	89.0	90.5	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	.1	54.3	67.5	80.7	91.1	92.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	.1	54.4	68.2	81.4	92.4	93.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	.1	55.3	69.0	82.6	93.4	95.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	.1	55.3	69.0	82.6	93.4	95.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	.1	55.3	69.1	82.7	93.6	95.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	.1	55.3	69.3	83.0	93.8	95.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.1	55.3	69.3	83.1	94.0	96.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	.1	55.4	69.5	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	.1	27.9	37.5	45.0	50.9	51.0	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	.1	33.7	45.9	55.0	62.9	63.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 12000	.1	34.3	47.0	56.2	64.0	64.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	.1	37.6	51.5	60.7	69.2	69.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 9000	.1	37.6	51.6	60.9	69.3	69.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	.1	39.7	54.2	64.3	73.2	73.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 7000	.1	40.1	54.8	65.0	73.9	74.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 6000	.1	40.7	55.3	65.6	74.4	75.0	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 5000	.1	41.5	56.3	66.7	75.8	76.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	.1	41.9	56.7	67.2	76.3	76.9	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4000	.1	43.0	58.0	68.6	77.9	78.7	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	.1	43.6	58.6	69.3	78.6	79.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	.1	46.9	63.3	75.9	86.7	87.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	.1	48.7	65.3	78.1	89.5	90.3	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	.1	49.5	66.4	79.4	91.0	91.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	.1	49.5	66.4	79.4	91.0	91.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	.1	50.1	67.1	80.9	92.7	93.6	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	.1	50.1	67.1	81.3	93.2	94.2	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	.1	50.6	67.6	82.3	94.5	95.4	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	.1	50.6	67.8	82.4	94.6	95.6	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	.1	50.8	68.2	82.8	95.0	96.0	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	.1	50.8	68.2	83.0	95.2	96.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724000  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AVG  
PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.3	≥.2	≥.0
NO CEILING																
≥ 20000		26.1	34.5	41.5	48.3	48.4	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
18000		35.2	45.4	55.2	62.6	63.2	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
16000		35.2	45.7	55.4	62.9	63.4	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
14000		35.3	45.8	55.6	63.0	63.6	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
12000		36.3	46.9	56.7	64.1	64.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
10000		39.6	51.4	61.0	70.1	70.0	73.0	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4
9000		39.7	51.3	61.9	70.2	70.9	73.1	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5
9000		43.2	56.3	68.0	76.3	77.0	79.2	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
7000		44.3	57.8	69.9	78.5	79.2	81.4	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
6000		44.3	57.8	69.9	78.5	79.2	81.4	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
5000		44.6	58.2	70.5	79.0	79.7	82.1	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5
4500		45.4	59.0	71.4	80.0	80.7	83.2	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
4000		45.9	59.9	73.1	81.9	82.6	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
3500		46.3	60.6	73.9	82.8	83.4	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000		49.9	65.1	79.4	88.8	89.5	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2500		50.3	65.7	80.1	89.8	90.2	93.1	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2000		50.8	66.2	81.0	90.9	91.6	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1800		51.2	66.6	81.4	91.3	92.0	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1500		51.4	67.0	81.9	92.0	93.0	96.0	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1200		51.6	67.2	82.3	92.4	93.4	96.4	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1000		51.7	67.3	82.5	92.6	93.5	96.6	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8
900		51.7	67.3	82.6	93.0	93.9	97.0	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
800		52.0	67.7	83.0	93.7	94.6	97.7	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
700		52.0	67.7	83.0	93.8	94.6	97.8	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600		52.0	67.7	83.3	94.1	95.0	98.1	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724042  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS - LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING																
≥ 20000		33.2	41.7	48.8	55.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000		37.6	48.0	57.5	65.8	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000		37.6	48.0	57.5	65.8	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000		38.0	48.6	58.2	66.8	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 12000		38.7	49.3	58.8	67.1	67.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000		41.8	53.4	64.3	73.4	74.3	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000		42.1	53.7	64.5	73.6	74.6	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000		45.9	59.8	71.2	81.0	81.9	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000		46.2	60.2	71.6	81.5	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000		46.2	60.2	71.6	81.5	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		46.2	60.2	72.0	81.9	82.9	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500		46.2	60.2	72.1	82.1	83.0	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	0.1	46.6	60.6	72.8	82.7	83.8	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	0.1	47.0	61.1	73.5	83.4	84.5	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	0.1	51.2	66.4	78.9	89.4	90.5	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	0.1	51.8	67.3	80.0	90.8	91.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	0.1	52.2	68.1	81.4	92.1	93.2	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	0.1	52.3	68.5	81.8	92.5	93.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	0.1	53.1	69.6	83.2	94.0	95.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	0.1	53.3	69.7	83.4	94.3	95.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	0.1	53.3	69.7	83.4	94.3	95.5	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	0.1	53.3	70.2	84.0	95.0	96.2	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	0.1	53.3	70.2	84.0	95.0	96.2	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	0.1	53.3	70.5	84.2	95.2	96.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	0.1	53.3	70.7	84.4	95.4	97.0	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	0.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	.1	29.1	37.9	45.8	52.1	52.7	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.1	33.9	44.8	54.4	62.0	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVW 18000	.1	33.9	44.8	54.4	62.1	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVW 16000	.1	33.9	44.8	54.4	62.1	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVW 14000	.1	34.2	45.2	54.8	62.5	63.4	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IVW 12000	.1	34.7	46.0	55.7	63.4	64.3	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IVW 10000	.1	38.3	50.4	60.8	69.6	70.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IVW 9000	.1	38.4	50.7	61.1	69.9	71.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IVW 8000	.1	41.5	55.0	66.5	75.7	77.1	79.3	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7
IVW 7000	.1	41.9	55.5	67.2	76.4	77.8	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IVW 6000	.1	42.1	55.7	67.3	76.6	78.0	80.3	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7
IVW 5000	.1	42.6	56.3	68.1	77.3	78.9	81.2	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6
IVW 4500	.1	43.0	56.7	68.5	77.9	79.4	81.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IVW 4000	.1	43.7	57.6	69.9	79.5	81.1	83.6	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
IVW 3500	.1	44.2	58.2	70.6	80.3	81.9	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IVW 3000	.1	47.1	62.0	75.0	85.5	87.2	89.7	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IVW 2500	.1	47.9	63.0	76.2	86.9	88.5	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVW 2000	.1	48.5	63.8	77.2	88.2	89.9	92.6	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
IVW 1800	.1	48.7	64.0	77.5	88.8	90.2	92.9	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
IVW 1500	.1	49.4	64.9	78.7	89.9	91.8	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IVW 1200	.1	49.7	65.3	79.3	90.6	92.6	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVW 1000	.1	50.2	65.9	80.0	91.5	93.6	96.6	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IVW 900	.1	50.3	66.2	80.3	91.9	94.0	97.1	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IVW 800	.1	50.6	66.6	80.8	92.5	94.6	97.7	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5
IVW 700	.1	50.7	66.8	81.0	92.8	95.1	98.2	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0
IVW 600	.1	50.7	66.9	81.3	93.2	95.4	98.5	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IVW 500	.1	50.7	67.1	81.5	93.5	95.8	98.9	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
IVW 400	.1	50.7	67.1	81.5	93.5	95.8	99.0	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IVW 300	.1	50.7	67.1	81.5	93.6	95.8	99.0	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IVW 200	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IVW 100	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IVW 0	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5831

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724340  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	≥0
NO CEILING	.6	40.2	49.3	53.1	55.7	55.8	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 20000	.6	44.2	54.6	58.4	61.3	61.4	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
18000	.6	44.2	54.6	58.4	61.3	61.4	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
16000	.6	44.4	54.8	58.7	61.5	61.7	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3
14000	.6	44.6	55.1	59.0	61.8	62.0	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
12000	.6	44.6	55.1	59.0	61.8	62.0	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
10000	.6	49.3	60.8	65.2	68.8	68.9	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
9000	.6	49.7	61.4	66.1	69.7	69.8	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4
8000	.6	54.7	67.0	72.1	75.6	75.8	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4
7000	.6	55.1	67.5	72.8	76.4	76.5	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1
6000	.6	55.3	67.7	72.9	76.5	76.6	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
5000	.6	56.0	68.5	74.6	78.2	78.3	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
4500	.6	56.8	69.4	75.5	79.1	79.2	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
4000	.6	57.4	69.9	76.2	79.9	80.1	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
3500	.6	57.7	70.2	76.5	80.2	80.3	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
3000	.6	60.5	74.6	81.6	85.3	85.5	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
2500	.7	61.1	75.4	82.3	86.0	86.3	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
2000	.7	61.5	76.1	83.8	87.7	88.0	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
1800	.7	61.5	76.1	83.9	87.9	88.2	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
1500	.7	62.4	77.9	86.5	90.5	90.9	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7
1200	.7	63.2	79.1	87.9	92.0	92.5	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
1000	1.1	64.2	80.5	90.3	94.6	95.0	95.6	95.6	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9
900	1.1	64.4	80.6	90.6	95.0	95.6	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4
800	1.1	64.4	80.8	91.0	95.6	96.4	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
700	1.1	64.5	80.9	91.3	95.9	96.7	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
600	1.1	64.5	81.1	91.6	96.2	97.0	98.0	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
500	1.4	64.5	81.1	91.6	96.3	97.2	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
400	1.4	64.8	81.3	91.9	96.9	97.7	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
300	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
200	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
100	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
0	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
 HOUR (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	.9	36.4	46.8	51.8	53.8	54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.5	55.5
IV 20000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
IV 18000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
IV 16000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
IV 14000	.9	38.4	49.6	54.9	57.6	57.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.3	59.3
IV 12000	.9	38.8	50.2	55.5	58.2	58.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.9	59.9
IV 10000	.9	44.1	56.6	63.3	66.0	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.7	67.7
IV 9000	.9	44.5	57.0	63.7	66.7	67.0	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.6	68.6
IV 8000	.9	48.6	61.9	68.6	72.0	72.3	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7	74.0	74.0
IV 7000	.9	49.2	62.4	69.1	72.5	72.8	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3	74.5	74.5
IV 6000	.9	49.2	62.4	69.1	72.5	72.8	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3	74.5	74.5
IV 5000	.9	49.9	63.3	70.4	73.8	74.1	75.2	75.2	75.2	75.4	75.4	75.4	75.5	75.5	75.8	75.8
IV 4500	.9	50.8	64.2	71.3	74.7	75.0	76.1	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.7	76.7
IV 4000	.9	51.6	65.1	72.5	76.0	76.2	77.4	77.4	77.4	77.5	77.5	77.5	77.7	77.7	78.0	78.0
IV 3500	.9	53.1	66.9	74.4	77.8	78.1	79.2	79.2	79.2	79.4	79.4	79.4	79.5	79.5	79.8	79.8
IV 3000	.9	55.0	69.6	78.2	81.9	82.2	83.4	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.9	83.9
IV 2500	.9	55.5	70.0	78.7	82.4	82.6	83.8	83.8	83.8	83.9	83.9	83.9	84.1	84.1	84.4	84.4
IV 2000	.9	57.3	72.5	81.9	85.6	85.9	87.1	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.6	87.6
IV 1800	.9	57.3	72.5	82.1	85.8	86.1	87.2	87.2	87.2	87.3	87.3	87.3	87.5	87.5	87.8	87.8
IV 1500	.9	57.9	73.5	83.9	88.1	88.3	89.5	89.5	89.5	89.6	89.6	89.6	89.8	89.8	90.0	90.0
IV 1200	.9	58.0	73.8	84.2	88.6	89.0	90.2	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.8	90.8
IV 1000	1.0	59.3	75.8	87.5	91.9	92.3	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	94.0	94.0
IV 900	1.0	59.5	76.0	87.6	92.5	92.9	94.2	94.2	94.2	94.3	94.3	94.3	94.5	94.5	94.7	94.7
IV 800	1.0	59.5	76.0	87.9	93.3	93.7	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.7	95.7
IV 700	1.0	59.5	76.2	88.3	94.2	94.6	96.2	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.7	96.7
IV 600	1.0	59.6	76.7	89.2	95.2	95.6	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.7	97.7
IV 500	1.1	59.7	76.8	89.6	95.7	96.4	98.7	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.3	99.3
IV 400	1.1	59.7	76.8	89.6	96.0	96.7	99.1	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.7	99.7
IV 300	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.9	99.9
IV 200	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.9	99.9
IV 100	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.6	99.6	99.6	99.7	99.7	100.0	100.0
IV 0	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.6	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 103



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS 40  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS - DST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.25	≥.2	≥.0
NO CEILING	1.0	31.6	37.6	43.9	47.4	48.6	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.5
≥ 20000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
IV 18000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
IV 16000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
IV 14000	1.0	34.0	41.3	48.3	52.3	53.8	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0
IV 12000	1.0	34.0	42.0	49.1	53.3	54.8	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0
IV 10000	1.1	37.9	47.3	55.1	59.7	61.3	63.2	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8
IV 9000	1.1	38.2	47.6	55.6	60.3	61.8	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.5
IV 8000	1.3	43.7	54.1	63.0	68.4	69.9	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6
IV 7000	1.3	44.7	55.1	64.0	69.7	71.2	73.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9
IV 6000	1.3	45.0	55.7	64.7	70.4	72.1	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.8
IV 5000	1.3	46.3	57.0	66.2	72.2	73.9	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6
IV 4500	1.3	47.6	58.4	67.9	73.9	75.6	77.8	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3
IV 4000	1.3	48.7	60.0	69.8	75.8	77.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3
IV 3500	1.3	49.3	61.1	71.1	77.4	79.2	81.3	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9
IV 3000	1.4	49.9	62.0	72.8	79.6	81.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.6
IV 2500	1.4	50.3	62.5	73.5	80.9	82.8	85.3	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.9
IV 2000	1.4	51.6	64.0	75.4	82.9	84.8	87.3	87.6	87.6	87.7	87.9	87.9	87.9	87.9	87.9	88.0
IV 1800	1.4	51.6	64.0	75.4	83.0	84.9	87.5	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.2
IV 1500	1.4	52.7	65.7	77.2	85.0	86.9	89.6	89.9	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.3
IV 1200	1.4	53.1	66.1	77.6	85.6	87.5	90.2	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.9
IV 1000	1.4	53.8	67.4	79.5	87.6	89.6	92.5	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.2
IV 900	1.4	54.4	68.1	80.2	88.5	90.5	93.3	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	94.0
IV 800	1.4	54.8	68.7	81.2	89.5	91.5	94.3	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	95.0
IV 700	1.4	54.8	68.9	82.1	90.3	92.6	95.6	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.3
IV 600	1.4	55.1	69.2	82.3	91.2	93.4	96.4	96.7	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.4
IV 500	1.6	55.4	69.5	82.8	91.6	94.2	97.4	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.6
IV 400	1.6	55.4	69.5	82.8	91.6	94.3	97.6	97.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.9
IV 300	1.6	55.4	69.5	82.8	91.6	94.3	97.6	98.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.4
IV 200	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
IV 100	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140 PATUXENT RIVER NAS MD

73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	1.7	41.5	47.0	49.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 20000	1.7	47.0	53.7	56.3	58.5	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 18000	1.9	47.2	53.8	56.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000	1.9	47.2	53.8	56.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	1.9	47.3	54.0	56.6	58.8	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	1.9	47.9	54.8	57.7	60.0	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 10000	2.1	51.6	59.7	62.5	65.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 9000	2.1	51.9	60.0	63.2	66.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	2.1	56.1	65.0	68.2	71.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	2.1	56.4	65.2	68.5	72.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	2.1	56.6	65.5	69.1	72.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	2.1	57.3	66.7	70.2	74.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	2.1	59.1	68.5	72.1	75.9	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	2.1	60.4	70.2	73.9	78.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3500	2.1	61.3	71.4	75.2	79.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	2.1	63.8	74.4	78.8	83.3	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	2.1	64.1	74.8	79.6	84.5	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	2.1	64.8	75.9	81.2	86.2	87.9	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1800	2.1	65.0	76.1	81.3	86.3	88.0	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	2.1	67.0	78.2	83.6	88.7	90.7	91.2	91.5	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	2.1	67.4	78.9	84.8	90.0	92.0	92.5	92.7	92.7	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	2.1	67.7	79.8	86.2	91.9	93.9	94.4	94.7	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	2.1	67.9	80.1	86.9	92.6	94.6	95.2	95.4	95.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	2.1	68.2	80.5	87.6	93.9	96.0	96.7	97.0	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	2.1	68.2	80.5	87.9	94.3	96.4	97.2	97.4	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	2.1	68.2	80.5	88.2	94.6	96.7	97.6	98.0	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.6	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.7	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.7	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AL- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PAIXENI RIVER NAS MU  
STATION NAME

73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥.0
NO CEILING	1.7	4.2	44.9	47.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	2.1	47.4	53.2	56.4	59.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 12000	2.1	48.5	54.9	58.1	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 10000	2.1	52.2	59.9	63.5	66.4	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	2.1	52.9	60.8	64.5	67.4	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	2.1	57.7	66.6	70.2	73.5	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	2.1	58.1	67.0	70.8	74.0	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 6000	2.1	58.7	67.7	71.8	75.0	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	2.1	59.7	68.7	72.8	76.0	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500	2.1	60.8	69.8	73.9	77.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	2.1	62.8	72.1	76.2	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3500	2.1	63.2	72.5	76.7	80.1	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	2.1	67.1	77.6	82.7	86.6	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	2.1	68.4	79.3	84.9	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	2.1	69.4	80.5	86.6	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	2.1	69.5	80.7	87.0	91.5	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1500	2.3	71.1	82.4	89.1	93.8	93.9	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	2.3	71.4	82.8	89.6	94.2	94.4	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	2.3	71.4	82.9	90.3	94.9	95.1	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	2.3	71.5	83.2	90.6	95.2	95.5	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	2.3	71.5	83.5	91.1	95.9	96.2	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	2.3	71.5	83.6	91.7	96.8	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	2.3	71.5	83.6	91.7	96.8	97.3	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 124140 PATUXENT RIVER NAS MD

YEARS 73-80

MONTH SEP

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	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	1.7	37.7	44.7	48.1	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 20000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	2.0	46.1	54.5	58.8	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	2.0	46.4	55.5	59.6	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	2.1	50.6	59.9	64.5	67.0	67.0	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 9000	2.1	50.6	60.1	64.8	67.3	67.3	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	2.3	55.3	65.6	70.9	73.9	73.9	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	2.3	55.9	66.6	71.9	74.9	74.9	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 6000	2.3	56.1	67.8	73.0	76.0	76.0	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	2.4	57.6	69.5	74.8	77.7	77.7	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	2.4	58.6	70.5	75.7	78.7	78.7	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	2.4	60.8	73.0	78.5	81.6	81.6	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	2.4	61.2	73.9	79.5	82.6	82.6	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3000	2.6	65.2	78.7	85.3	88.7	88.7	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	2.6	66.3	80.0	86.7	90.2	90.2	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	2.6	66.9	80.7	87.9	91.3	91.3	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	2.6	67.3	81.3	88.4	91.9	92.0	92.7	92.7	92.7	93.2	93.2	93.3	93.3	93.3	93.3	93.3
IV 1000	2.6	67.8	81.9	89.3	92.9	93.0	93.9	93.9	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	2.6	67.8	82.2	90.0	93.7	93.9	94.7	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	2.6	67.9	82.3	90.2	94.3	94.4	95.3	95.6	95.9	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 700	2.6	68.2	82.7	90.6	94.7	94.9	95.7	96.0	96.3	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 600	2.6	68.5	83.0	91.2	95.4	95.6	96.4	96.7	97.0	97.7	97.7	97.7	97.7	97.9	97.9	97.9
IV 500	2.6	68.5	83.0	91.2	95.7	95.9	96.9	97.1	97.4	98.3	98.6	98.6	98.6	98.7	98.7	98.7
IV 400	2.6	68.8	83.3	91.4	96.1	96.3	97.3	97.6	97.9	98.7	99.1	99.1	99.1	99.3	99.3	99.3
IV 300	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0
IV 200	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING FEET	VISIBILITY / STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	.6	38.8	43.9	47.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV V 18000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV V 16000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV V 14000	.6	44.8	51.7	57.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV V 12000	.6	45.3	52.3	57.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV V 10000	.6	50.4	58.6	64.5	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 V 9000	.6	50.7	59.3	65.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV V 8000	.8	54.7	64.4	71.5	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV V 7000	.8	55.2	65.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV V 6000	1.0	55.8	65.8	72.9	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV V 5000	1.0	56.2	66.4	73.6	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV V 4500	1.0	56.6	66.8	74.3	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV V 4000	1.1	58.3	68.8	76.4	79.8	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV V 3500	1.1	58.9	69.6	77.4	80.9	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV V 3000	1.1	62.3	74.4	82.8	87.0	87.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV V 2500	1.1	63.4	75.7	84.3	88.8	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV V 2000	1.1	63.8	76.1	84.9	89.8	90.0	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4
IV V 1800	1.1	63.8	76.3	85.0	90.1	90.3	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV V 1500	1.1	64.5	78.0	86.9	92.2	92.5	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV V 1200	1.1	64.8	78.4	87.7	93.1	93.4	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
IV V 1000	1.1	65.3	79.2	88.7	94.2	94.6	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5
IV V 900	1.1	65.3	79.2	88.7	94.2	94.8	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV V 800	1.1	65.4	79.4	89.0	94.8	95.3	96.9	96.9	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV V 700	1.1	65.5	79.5	89.3	95.2	95.8	97.6	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV V 600	1.1	65.5	79.5	89.5	95.6	96.2	98.0	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV V 500	1.1	65.5	79.5	89.5	95.6	96.2	98.3	98.4	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2
IV V 400	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV V 300	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV V 200	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV V 100	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV V 0	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124340  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

4100-2500  
FOUR 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING	.6	43.5	49.6	53.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1
≥ 20000	.6	48.2	56.3	60.6	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
IV 18000	.6	48.2	56.3	60.6	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
IV 16000	.6	48.4	56.5	60.8	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.5	64.5	64.5	64.5
IV 14000	.6	48.5	56.8	61.1	64.3	64.3	64.3	64.3	64.3	64.6	64.6	64.6	64.8	64.8	64.8	64.8
IV 12000	.6	48.8	57.2	61.6	65.0	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3
IV 10000	.6	51.4	60.9	65.8	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.5	69.6	69.6	69.6	69.6
IV 9000	.6	52.1	62.1	66.9	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.8
IV 8000	.6	55.5	66.6	71.9	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0
IV 7000	.6	56.2	67.3	72.9	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0
IV 6000	.6	56.3	67.3	72.9	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0
IV 5000	.6	56.6	68.0	74.0	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.2
IV 4500	.6	57.2	68.6	74.8	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.9	78.9	78.9	78.9
IV 4000	.6	58.2	69.9	76.0	79.9	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3
IV 3500	.6	59.5	71.5	77.6	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.9	81.9	81.9	81.9
IV 3000	.6	62.1	75.5	82.0	86.2	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
IV 2500	.6	62.6	76.0	82.7	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.6	87.6	87.6	87.6
IV 2000	.7	63.1	76.9	83.6	88.2	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9
IV 1800	.7	63.2	77.0	83.7	88.3	88.6	88.7	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0
IV 1500	.7	63.3	77.9	85.0	89.9	90.3	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7
IV 1200	.7	63.5	78.5	85.9	91.0	91.6	91.7	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0
IV 1000	.7	64.1	80.6	88.5	93.6	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6
IV 900	.7	64.5	81.0	88.9	94.3	95.0	95.1	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4
IV 800	.7	64.6	81.2	89.0	95.1	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 700	.7	64.6	81.2	89.3	95.7	96.6	96.7	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0
IV 600	.9	64.9	81.5	89.9	96.6	97.4	97.7	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 500	1.0	65.0	81.6	90.4	97.1	98.0	99.1	99.1	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6
IV 400	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
IV 300	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
IV 200	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
IV 100	1.0	65.0	81.6	90.6	97.4	98.3	99.6	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	1.0	65.0	81.6	90.6	97.4	98.3	99.6	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥0	
NO CEILING	1.1	38.7	45.5	49.3	51.8	52.1	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6
IV 20000	1.2	43.7	51.8	56.2	59.2	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
IV 18000	1.2	43.7	51.8	56.3	59.2	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1
IV 16000	1.2	43.8	51.9	56.3	59.2	59.6	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000	1.2	43.9	52.0	56.5	59.4	59.8	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
IV 12000	1.2	44.4	52.7	57.3	60.2	60.6	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
IV 10000	1.3	48.4	58.0	63.1	66.3	66.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5
IV 9000	1.3	48.8	58.5	63.8	67.1	67.5	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 8000	1.3	53.3	63.9	69.5	73.2	73.6	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	1.3	53.9	64.6	70.3	74.0	74.4	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3
IV 6000	1.4	54.1	65.0	70.8	74.6	75.0	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
IV 5000	1.4	55.0	66.0	72.1	75.9	76.3	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
IV 4500	1.4	56.0	67.0	73.2	77.0	77.4	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3
IV 4000	1.4	57.3	68.6	74.9	78.8	79.3	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2
IV 3500	1.4	58.0	69.6	76.0	80.0	80.5	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
IV 3000	1.4	60.7	73.3	80.5	84.8	85.4	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
IV 2500	1.4	61.5	74.2	81.6	86.1	86.7	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8
IV 2000	1.5	62.3	75.4	83.2	87.9	88.5	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
IV 1800	1.5	62.4	75.5	83.4	88.1	88.7	89.6	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0
IV 1500	1.5	63.3	76.9	85.2	90.1	90.8	91.8	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3
IV 1200	1.5	63.7	77.5	86.0	91.0	91.8	92.8	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3
IV 1000	1.5	64.2	78.6	87.6	92.9	93.6	94.7	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3
IV 900	1.5	64.5	78.9	88.0	93.4	94.2	95.3	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
IV 800	1.5	64.6	79.1	88.5	94.2	95.1	96.2	96.3	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8
IV 700	1.5	64.7	79.2	88.9	94.8	95.7	96.9	97.0	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6
IV 600	1.6	64.8	79.4	89.2	95.3	96.3	97.6	97.7	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4
IV 500	1.6	64.9	79.5	89.4	95.5	96.6	98.3	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.4	99.4
IV 400	1.7	64.9	79.5	89.5	95.7	96.8	98.6	98.8	98.8	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7
IV 300	1.7	64.9	79.5	89.5	95.7	96.8	98.6	98.9	98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9
IV 200	1.7	64.9	79.5	89.5	95.7	96.8	98.7	99.0	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9
IV 100	1.7	64.9	79.5	89.5	95.8	96.8	98.7	99.0	99.0	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0
IV 0	1.7	64.9	79.5	89.5	95.8	96.8	98.7	99.0	99.0	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5628

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0	
NO CEILING	.4	54.3	58.1	60.2	61.1	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1
≥ 20000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 18000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 16000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 14000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 12000	.4	56.9	60.9	62.9	63.9	64.1	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8
≥ 10000	.4	60.6	65.1	67.2	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
≥ 9000	.4	60.6	65.1	67.2	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
≥ 8000	.4	63.2	68.7	71.2	72.3	72.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2
≥ 7000	.4	64.3	69.9	72.4	73.5	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5
≥ 6000	.4	65.0	70.7	73.2	74.3	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3
≥ 5000	.4	66.6	72.4	75.1	76.2	76.5	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
≥ 4500	.4	68.8	74.7	77.5	78.7	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.7
≥ 4000	.4	70.1	76.5	79.5	80.8	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
≥ 3500	.4	71.0	77.7	80.8	82.0	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0	83.0
≥ 3000	.4	73.8	80.9	84.2	85.6	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
≥ 2500	.4	74.2	82.3	85.7	87.2	87.5	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.2
≥ 2000	.4	74.6	83.1	87.0	88.5	88.7	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6
≥ 1800	.4	74.7	83.2	87.1	88.6	88.9	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 1500	.4	75.1	84.1	88.0	90.0	90.2	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.1
≥ 1200	.4	75.3	84.3	88.3	90.2	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 1000	.4	75.5	84.8	89.0	91.2	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3
≥ 900	.4	75.8	85.0	89.3	91.8	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9
≥ 800	.4	75.8	85.2	89.4	91.9	92.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.3
≥ 700	.4	75.8	85.4	90.0	92.7	93.1	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 600	.4	75.8	85.4	90.1	93.0	94.0	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
≥ 500	.4	76.4	86.3	91.1	94.0	95.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 400	.4	76.6	86.8	91.8	94.8	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
≥ 300	.4	76.6	86.8	91.8	94.9	96.4	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.5	98.5	98.5
≥ 200	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	99.0	99.2	99.5
≥ 100	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.4	98.6	98.9	98.9	99.2	99.3	99.5	99.9
≥ 0	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.4	98.6	98.9	98.9	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 728



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
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	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	.5	50.2	53.6	55.7	56.9	57.0	57.7	58.1	58.1	58.5	58.5	58.7	58.7	58.7	58.8	59.4
≥ 20000	.5	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 18000	.5	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 16000	.5	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 14000	.5	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 12000	.5	52.7	56.5	58.5	60.1	60.2	61.0	61.6	61.6	62.0	62.0	62.0	62.1	62.1	62.2	62.8
IV 10000	.5	56.5	60.6	62.7	64.2	64.3	65.1	65.8	65.8	66.2	66.2	66.2	66.3	66.3	66.5	67.0
IV 9000	.5	56.8	60.9	62.9	64.4	64.6	65.4	66.1	66.1	66.5	66.5	66.5	66.6	66.6	66.8	67.3
IV 8000	.5	62.7	67.4	69.8	71.4	71.5	72.4	73.1	73.1	73.5	73.5	73.5	73.6	73.6	73.7	74.3
IV 7000	.5	63.6	68.4	70.7	72.4	72.5	73.3	74.0	74.0	74.4	74.4	74.4	74.6	74.6	74.7	75.2
IV 6000	.5	63.6	68.4	70.7	72.4	72.5	73.3	74.0	74.0	74.4	74.4	74.4	74.6	74.6	74.7	75.2
IV 5000	.5	64.7	69.6	72.1	73.7	73.9	74.7	75.4	75.4	75.8	75.8	75.8	75.9	75.9	76.1	76.6
IV 4500	.5	67.0	72.0	74.4	76.1	76.2	77.0	77.7	77.7	78.1	78.1	78.1	78.2	78.2	78.4	78.9
IV 4000	.5	67.4	73.2	75.8	77.4	77.6	78.4	79.1	79.1	79.5	79.5	79.5	79.6	79.6	79.8	80.3
IV 3500	.5	68.0	74.1	77.0	78.7	78.8	79.6	80.3	80.3	80.7	80.7	80.7	80.8	80.8	81.0	81.5
IV 3000	.5	70.0	76.5	79.3	81.1	81.3	82.1	82.8	82.8	83.2	83.2	83.2	83.3	83.3	83.4	84.0
IV 2500	.5	71.3	78.0	80.8	82.8	82.9	83.7	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.1	85.6
IV 2000	.5	71.7	78.9	81.8	83.7	84.0	84.8	85.5	85.5	85.9	85.9	85.9	86.0	86.0	86.2	86.7
IV 1800	.5	72.0	79.2	82.1	84.0	84.3	85.1	85.8	85.8	86.2	86.2	86.2	86.3	86.3	86.5	87.0
IV 1500	.5	72.6	81.1	84.0	86.2	86.5	87.4	88.1	88.1	88.5	88.5	88.5	88.6	88.6	88.8	89.3
IV 1200	.5	72.6	81.1	84.3	86.6	86.9	87.8	88.5	88.5	88.9	88.9	88.9	89.1	89.1	89.2	89.7
IV 1000	.5	73.1	81.9	85.8	88.1	88.4	89.7	90.4	90.4	90.8	90.8	90.8	91.0	91.0	91.1	91.7
IV 900	.5	73.1	81.9	85.9	88.2	88.5	90.0	90.7	90.7	91.1	91.1	91.1	91.2	91.2	91.4	91.9
IV 800	.5	73.3	82.2	86.5	88.8	89.1	90.6	91.2	91.2	91.7	91.7	91.7	91.8	91.8	91.9	92.5
IV 700	.5	73.3	82.2	86.5	88.9	89.3	91.4	92.1	92.1	92.5	92.5	92.5	92.6	92.6	92.7	93.3
IV 600	.5	73.6	82.5	86.7	89.5	90.0	92.2	92.9	92.9	93.4	93.4	93.4	93.6	93.6	93.7	94.3
IV 500	.5	73.6	82.6	86.9	89.9	90.4	92.9	93.7	93.7	94.3	94.3	94.3	94.4	94.4	94.5	95.1
IV 400	.5	73.6	82.6	87.4	90.4	91.1	94.0	94.9	94.9	95.8	95.8	95.8	95.9	95.9	96.0	96.6
IV 300	.5	73.6	82.6	87.4	90.6	91.2	94.1	95.1	95.1	96.2	96.4	96.4	96.9	96.9	97.0	97.7
IV 200	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.3	97.3	97.7	97.7	98.2	98.9
IV 100	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.4	97.4	97.8	97.8	98.4	99.5
IV 0	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.4	97.4	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72434U  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

73-8U  
YEAR

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U600-U800  
HOURS (LT)

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	
NO CEILING ≥ 20000	.4	44.3	47.9	52.0	53.5	53.8	54.4	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.4	56.4
IV 18000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
IV 16000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
IV 14000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
IV 12000	.7	48.0	52.4	57.2	59.0	59.6	60.3	60.6	60.6	60.9	60.9	61.3	61.3	61.6	62.8	
IV 10000	1.1	51.3	56.4	61.1	63.1	63.7	64.6	65.0	65.0	65.3	65.3	65.3	65.7	65.7	65.9	67.2
IV 9000	1.1	52.1	57.2	62.0	63.9	64.6	65.4	65.8	65.8	66.1	66.1	66.1	66.5	66.5	66.8	68.0
IV 8000	1.4	56.2	61.7	67.0	69.2	69.9	70.7	71.1	71.1	71.4	71.4	71.4	71.8	71.8	72.1	73.3
IV 7000	1.4	56.8	62.4	67.7	69.9	70.6	71.4	71.8	71.8	72.1	72.1	72.1	72.5	72.5	72.8	74.0
IV 6000	1.4	57.0	62.7	68.0	70.2	70.9	71.7	72.1	72.1	72.4	72.4	72.4	72.8	72.8	73.1	74.3
IV 5000	1.4	58.4	64.0	69.6	72.2	72.9	73.9	74.3	74.3	74.6	74.6	74.6	75.0	75.0	75.2	76.5
IV 4500	1.4	59.2	64.8	70.7	73.3	74.0	75.0	75.5	75.5	75.8	75.8	75.8	76.2	76.2	76.5	77.7
IV 4000	1.4	61.6	67.4	73.6	76.5	77.2	78.1	78.7	78.7	78.9	78.9	79.3	79.3	79.3	79.6	80.8
IV 3500	1.5	62.5	68.8	75.2	78.2	78.9	79.9	80.4	80.4	80.7	80.7	80.7	81.1	81.1	81.4	82.6
IV 3000	1.5	64.2	70.6	77.4	80.6	81.4	82.4	82.9	82.9	83.2	83.2	83.2	83.6	83.6	83.9	85.1
IV 2500	1.5	64.7	71.3	78.5	82.2	83.0	84.0	84.5	84.5	84.8	84.8	84.8	85.2	85.2	85.5	86.7
IV 2000	1.5	65.3	71.8	79.1	83.0	83.9	84.8	85.4	85.4	85.6	85.6	85.6	86.0	86.0	86.3	87.6
IV 1800	1.5	65.3	71.8	79.1	83.0	83.9	84.8	85.4	85.4	85.6	85.6	85.6	86.0	86.0	86.3	87.6
IV 1500	1.5	66.2	73.2	80.6	84.7	85.5	86.5	87.0	87.0	87.3	87.3	87.3	87.7	87.7	88.0	89.2
IV 1200	1.5	66.2	73.9	81.7	85.9	86.7	87.7	88.2	88.2	88.5	88.5	88.5	88.9	88.9	89.2	90.4
IV 1000	1.5	66.3	74.6	82.9	87.3	88.1	89.1	89.7	89.7	90.2	90.2	90.2	90.6	90.6	90.8	92.1
IV 900	1.5	66.3	74.6	83.0	87.6	88.4	89.4	90.0	90.0	90.4	90.4	90.4	90.8	90.8	91.1	92.3
IV 800	1.5	66.5	74.7	83.4	88.4	89.2	90.3	91.2	91.2	91.7	91.7	91.7	92.1	92.1	92.3	93.6
IV 700	1.5	66.5	75.0	84.1	89.3	90.2	91.4	92.3	92.3	92.9	92.9	92.9	93.3	93.3	93.6	94.8
IV 600	1.5	66.5	75.1	84.8	90.0	91.0	92.3	93.3	93.3	93.8	93.8	93.8	94.3	94.3	94.5	95.8
IV 500	1.5	66.5	75.1	84.8	90.2	91.1	92.7	93.7	93.7	94.3	94.3	94.3	94.7	94.7	94.9	96.2
IV 400	1.5	66.5	75.1	84.8	90.3	91.2	93.0	94.1	94.1	94.9	94.9	94.9	95.3	95.3	95.6	96.9
IV 300	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.2	95.2	95.3	95.9	95.9	96.2	97.8
IV 200	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.2	95.2	95.5	96.2	96.2	96.9	98.6
IV 100	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.3	95.3	95.6	96.6	96.6	97.8	99.9
IV 0	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.3	95.3	95.6	96.6	96.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 J4U  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1	≥0
NO CEILING	1.9	50.4	53.0	54.2	54.8	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	2.2	55.9	59.3	60.8	61.3	61.5	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 12000	2.9	56.6	60.2	61.7	62.3	62.4	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 10000	2.6	59.2	63.0	64.6	65.2	65.3	65.7	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 9000	2.6	59.6	63.4	65.0	65.6	65.7	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 8000	3.0	64.2	68.4	70.2	70.8	70.9	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000	3.0	64.8	69.4	71.3	71.9	72.0	72.4	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	3.0	65.0	69.8	71.7	72.3	72.4	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	3.0	66.1	71.0	73.2	73.9	74.0	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 4500	3.0	66.7	71.7	74.0	74.7	74.9	75.4	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	3.0	69.5	75.3	77.6	78.3	78.4	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 3500	3.0	70.5	76.2	78.6	79.4	79.6	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	3.0	72.7	79.0	81.6	82.5	82.8	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2500	3.0	74.2	80.5	83.2	84.2	84.4	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000	3.0	75.3	82.2	85.1	86.6	86.9	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1800	3.0	75.3	82.2	85.1	86.6	86.9	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1500	3.0	76.4	83.3	86.2	88.1	88.5	89.1	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	3.0	77.2	84.3	87.4	89.8	90.2	90.7	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1000	3.0	77.7	85.0	88.4	90.8	91.5	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	3.0	77.7	85.0	88.4	90.8	91.5	92.6	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	3.0	77.4	85.2	88.7	91.3	92.1	93.3	93.6	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 700	3.0	78.3	85.9	89.6	92.5	93.3	94.7	94.9	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	3.0	78.4	86.2	90.0	93.0	94.0	95.4	95.6	95.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	3.0	78.7	86.5	90.4	93.3	94.3	96.0	96.3	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	3.0	79.0	86.7	90.6	93.6	94.5	96.3	96.9	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4
IV 300	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8
IV 200	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8
IV 100	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8
IV 0	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
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	≥.2	≥.16	≥.1	≥0
NO CEILING	1.0	49.3	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	2.1	57.1	59.4	59.9	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	2.2	57.3	59.3	60.4	60.4	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 16000	2.2	57.3	59.3	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	2.2	57.8	59.9	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	2.3	58.4	60.4	61.1	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	2.5	61.1	63.3	64.1	64.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 9000	4.5	62.1	64.7	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 8000	2.9	67.3	70.5	71.3	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	2.9	67.7	70.9	71.7	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 6000	2.9	68.3	71.4	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	3.0	69.2	72.4	73.2	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	3.0	70.5	73.6	74.5	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4000	3.0	73.6	77.1	78.2	78.6	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	3.2	75.4	78.8	79.9	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	3.2	79.5	83.9	85.3	85.7	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2500	3.2	80.5	85.0	86.4	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	3.2	82.1	86.7	88.2	89.1	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	3.2	82.3	86.8	88.3	89.3	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1500	3.2	82.8	88.0	89.8	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	3.2	83.0	88.3	90.1	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	3.2	83.5	89.1	91.1	93.7	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 900	3.2	83.8	89.4	91.8	94.4	95.3	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	3.2	83.8	89.4	92.0	94.9	95.9	96.3	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0
IV 700	3.2	83.9	89.8	92.6	95.6	96.7	97.1	97.8	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1
IV 600	3.2	84.1	90.1	93.1	96.3	97.4	97.8	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8
IV 500	3.2	84.2	90.2	93.4	96.6	97.7	98.1	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0
IV 400	3.2	84.2	90.2	93.7	96.8	97.9	98.5	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6
IV 300	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	100.0
IV 200	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	100.0
IV 100	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	100.0
IV 0	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040      PATUXENT RIVER NAS MD      73-80      UCI  
STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	1.2	48.3	50.9	51.8	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	1.8	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	1.8	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 16000	1.8	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 14000	1.8	55.0	57.8	58.9	59.3	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 12000	1.8	55.9	58.8	59.9	60.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 10000	2.3	61.1	64.0	65.1	65.6	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 9000	2.3	62.1	64.9	66.0	66.6	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	2.5	67.7	71.4	72.7	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 7000	2.5	68.6	72.4	73.9	75.0	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 6000	2.5	69.4	73.3	74.8	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	2.7	71.1	75.0	76.7	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	2.7	72.0	76.3	78.0	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4000	2.7	74.5	79.0	81.0	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	2.7	75.9	80.4	82.5	84.0	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	2.7	79.3	84.0	86.6	88.1	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	2.7	80.6	85.7	88.4	90.2	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2000	2.7	81.7	86.8	89.8	92.0	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	2.7	82.0	87.0	90.0	92.2	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	2.7	82.4	87.4	91.0	93.3	94.1	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	2.7	82.8	88.4	91.5	93.9	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1000	2.7	83.2	88.9	92.2	94.5	95.4	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	2.7	83.4	89.2	92.5	95.2	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	2.7	83.4	89.2	93.0	95.9	97.0	97.4	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	2.7	83.4	89.2	93.5	96.5	97.5	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	2.7	83.6	89.5	93.9	96.9	98.0	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	2.7	83.9	89.8	94.1	97.1	98.2	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 200	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124140  
STATION

PAIDRENI RIVER NAS MU  
STATION NAME

75-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.3	50.2	53.6	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 18000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 14000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	.3	57.2	61.1	62.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	.3	60.7	64.6	66.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 9000	.3	61.3	65.7	67.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	.4	67.5	72.6	74.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	.4	69.2	74.7	76.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	.4	69.7	75.4	77.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	.4	70.2	76.1	78.1	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4500	.4	71.7	78.1	80.2	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4000	.4	74.4	81.0	83.4	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	.4	75.8	82.4	84.7	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	.4	77.7	84.7	88.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2500	.4	78.4	85.4	89.8	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	.4	79.2	86.5	91.3	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	.4	79.4	86.7	91.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	.4	79.6	87.5	92.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	.4	80.1	88.0	93.0	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	.4	80.2	88.4	93.8	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	.4	80.3	88.6	93.9	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	.4	80.5	88.7	94.5	97.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	.4	80.9	89.1	95.0	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	.4	81.0	89.3	95.2	97.7	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	.4	81.0	89.3	95.2	97.8	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 140 STATION PATUXENT RIVER NAS MD

73-80

OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<100-2500  
 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 ≥ 20000	.7	54.9	58.8	60.8	61.0	61.0	61.1	61.1	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	.7	59.2	63.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	.7	63.6	68.0	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	.7	63.9	68.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 8000	.8	67.9	73.0	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	.8	68.8	74.2	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	.8	69.8	75.2	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	.8	70.8	76.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	.8	72.1	78.2	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
IV 4000	.8	73.8	80.4	83.4	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	.8	74.1	80.8	83.9	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	.8	76.7	84.6	88.1	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	.8	77.1	85.1	89.0	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
IV 2000	.8	78.3	86.8	90.8	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	.8	78.5	87.2	91.2	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	.8	78.6	88.1	92.3	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	.8	79.2	88.7	93.0	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	.8	79.3	89.7	94.2	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	.8	79.6	90.1	95.2	96.1	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	.8	79.7	90.2	95.3	96.3	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	.8	79.7	90.2	95.4	96.4	96.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	.8	79.7	90.2	95.4	96.4	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	.8	79.7	90.2	95.4	96.6	97.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	.8	79.7	90.2	95.4	96.7	97.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	.8	79.7	90.2	95.4	96.7	97.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 140 PATUXENT RIVER NAS MD

73-80

OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	
NO CEILING	0.7	50.2	53.4	55.2	55.9	56.0	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6
≥ 20000	1.0	54.8	58.3	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.3
IVM 18000	1.1	54.8	58.4	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.3
IVM 16000	1.1	54.8	58.4	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.3	
IVM 14000	1.1	55.0	58.5	60.5	61.3	61.5	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.5
IVM 12000	1.1	55.6	59.2	61.1	62.0	62.2	62.6	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.2
IVM 10000	1.3	59.2	63.1	65.1	66.0	66.3	66.6	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.1	67.3
IVM 9000	1.3	59.8	63.8	65.8	66.7	67.0	67.3	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	68.0
IVM 8000	1.5	64.6	69.2	71.6	72.6	72.9	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.9
IVM 7000	1.5	65.5	70.3	72.7	73.7	74.0	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	75.0
IVM 6000	1.5	66.0	70.8	73.3	74.3	74.6	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.6
IVM 5000	1.5	67.1	72.1	74.6	75.7	76.1	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	77.1	
IVM 4500	1.5	68.5	73.7	76.3	77.5	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.8
IVM 4000	1.5	70.6	76.2	79.1	80.3	80.7	81.0	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.5	81.7	
IVM 3500	1.6	71.6	77.4	80.3	81.7	82.0	82.4	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	83.1
IVM 3000	1.6	74.2	80.5	83.9	85.3	85.7	86.1	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.6	86.8	
IVM 2500	1.6	75.1	81.6	85.2	86.8	87.2	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.3	
IVM 2000	1.6	76.0	82.8	86.6	88.5	89.0	89.5	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	90.2	
IVM 1800	1.6	76.2	83.0	86.8	88.7	89.2	89.7	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.4	
IVM 1500	1.6	76.7	84.1	88.0	90.1	90.6	91.2	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.9	
IVM 1200	1.6	77.0	84.6	88.7	91.0	91.4	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.7	
IVM 1000	1.6	77.4	85.3	89.7	92.1	92.6	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.9	93.9	94.1	
IVM 900	1.6	77.5	85.5	90.0	92.6	93.1	93.8	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.7	
IVM 800	1.6	77.6	85.6	90.4	93.0	93.7	94.5	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.4		
IVM 700	1.6	77.7	85.9	90.8	93.7	94.3	95.3	95.6	95.6	95.9	96.0	96.0	96.0	96.1	96.3		
IVM 600	1.6	77.8	86.0	91.2	94.1	94.9	95.8	96.2	96.2	96.6	96.6	96.6	96.7	96.7	96.9		
IVM 500	1.6	78.0	86.2	91.4	94.4	95.3	96.4	96.8	96.8	97.2	97.2	97.2	97.3	97.3	97.5		
IVM 400	1.6	78.1	86.4	91.6	94.7	95.6	96.9	97.5	97.5	97.9	98.0	98.0	98.1	98.2	98.4		
IVM 300	1.6	78.1	86.4	91.6	94.8	95.7	97.1	97.7	97.7	98.2	98.4	98.4	98.6	98.6	98.7	99.0	
IVM 200	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.4	98.6	98.6	98.9	98.9	99.1	99.5	
IVM 100	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.5	98.6	98.7	99.0	99.0	99.3	99.9	
IVM 0	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.5	98.6	98.7	99.0	99.0	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS

5835



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

125140 STATION PATUXENT RIVER NAS MD 73-80 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0	
NO CEILING	1.1	56.3	58.2	59.4	60.6	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.9
≥ 20000	1.1	59.8	61.9	63.2	64.4	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.7
IV 18000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
IV 16000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
IV 14000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
IV 12000	1.1	60.1	62.2	63.4	64.7	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.4	66.0
IV 10000	1.1	62.9	65.1	66.7	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.5
IV 9000	1.1	62.9	65.1	66.7	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.5
IV 8000	1.1	67.7	70.3	72.6	74.7	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	76.1
IV 7000	1.1	69.3	72.3	74.5	76.7	76.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5	78.1
IV 6000	1.1	70.0	73.0	75.2	77.4	77.4	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.2	78.8
IV 5000	1.1	70.2	73.3	75.5	77.6	77.6	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.5	79.0
IV 4500	1.1	71.3	74.4	76.9	79.0	79.0	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9	80.5
IV 4000	1.1	73.4	76.7	79.3	81.4	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.8
IV 3500	1.1	75.0	78.2	80.9	83.0	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8	84.4
IV 3000	1.1	75.9	79.5	82.4	84.7	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	86.1
IV 2500	1.1	76.4	80.2	83.1	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.2	86.8
IV 2000	1.1	76.7	80.7	83.7	85.9	85.9	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.9	87.6
IV 1800	1.1	76.9	81.2	84.1	86.4	86.4	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6	88.2
IV 1500	1.1	77.1	81.4	84.7	86.9	86.9	87.3	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.2	88.7
IV 1200	1.1	77.9	82.6	85.8	88.0	88.0	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.9
IV 1000	1.1	78.2	83.1	86.8	89.0	89.0	89.5	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.9
IV 900	1.1	78.2	83.8	87.6	89.9	89.9	90.4	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.8
IV 800	1.1	78.2	84.0	88.2	90.4	90.4	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.8	92.4
IV 700	1.1	78.5	84.2	88.9	91.3	91.3	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.5
IV 600	1.1	78.6	84.5	89.2	91.8	91.8	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.5
IV 500	1.1	78.8	85.1	89.9	92.7	92.7	93.7	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.9	95.5
IV 400	1.1	78.8	85.4	90.4	93.5	93.5	94.9	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.8	97.3
IV 300	1.1	78.8	85.4	90.4	94.0	94.0	95.4	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.5	98.0
IV 200	1.1	78.8	85.4	90.4	94.0	94.0	95.4	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.9	99.7
IV 100	1.1	78.8	85.4	90.4	94.0	94.0	95.4	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.2	100.0
IV 0	1.1	78.8	85.4	90.4	94.0	94.0	95.4	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**CEILING VERSUS VISIBILITY**

729040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

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

U 500-0500  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥0	
NO CEILING	1.3	53.8	56.5	57.5	58.6	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.7	60.3
≥ 20000	1.3	57.9	60.6	61.5	62.7	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.8	64.4
IV 18000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
IV 16000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
IV 14000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
IV 12000	1.3	58.3	61.4	62.4	63.5	63.7	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6	65.2
IV 10000	1.3	60.6	63.7	64.6	66.2	66.3	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.3	67.9
IV 9000	1.3	60.7	63.9	64.9	66.5	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.6	68.2
IV 8000	1.3	65.4	69.3	70.8	72.4	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.4	73.4	73.5	74.1
IV 7000	1.3	66.2	70.6	72.1	73.7	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.8	75.4
IV 6000	1.3	66.6	71.0	72.5	74.1	74.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.2	75.8
IV 5000	1.3	67.2	71.5	73.1	74.6	74.8	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.8	76.3
IV 4500	1.3	68.0	72.4	74.1	75.6	75.8	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.8	77.3
IV 4000	1.3	70.0	74.4	76.6	78.5	78.7	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.7	80.3
IV 3500	1.3	71.1	75.5	77.7	79.6	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.8	81.4
IV 3000	1.3	72.3	76.9	79.3	81.1	81.4	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.5	83.1
IV 2500	1.3	73.4	78.1	81.1	83.0	83.2	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.4	84.9
IV 2000	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
IV 1800	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
IV 1500	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
IV 1200	1.3	75.2	80.4	83.5	85.6	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.2	87.7
IV 1000	1.3	75.9	82.1	85.5	87.6	87.9	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.2	89.7
IV 900	1.3	76.2	82.7	86.5	88.7	89.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.6	90.6
IV 800	1.3	76.2	82.7	86.5	88.7	89.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.6	90.6
IV 700	1.3	76.2	82.7	87.0	89.3	89.6	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.1	91.1	91.3	91.8
IV 600	1.3	76.2	83.0	87.6	90.0	90.6	91.7	92.1	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.5	93.1
IV 500	1.3	76.2	83.2	88.2	91.3	92.0	93.2	93.7	93.7	93.8	93.8	93.8	93.8	93.9	93.9	94.1	94.6
IV 400	1.3	76.6	83.8	89.2	92.7	93.4	94.9	95.9	95.9	96.3	96.3	96.3	96.3	96.5	96.5	96.6	97.2
IV 300	1.3	76.6	83.8	89.2	92.7	93.4	94.9	96.2	96.2	96.8	96.8	96.8	96.8	96.9	96.9	97.0	97.6
IV 200	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.3	97.6	97.6	98.0	98.7
IV 100	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.3	97.9	97.9	98.3	99.3
IV 0	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.3	97.9	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 710

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	3.1	48.8	52.2	54.0	55.2	55.2	55.9	56.2	56.3	56.7	56.7	56.7	56.7	56.7	57.3	57.6
≥ 20000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
IV > 18000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
IV ≥ 16000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
IV > 14000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
IV ≥ 12000	3.3	54.2	58.7	60.6	62.3	62.4	63.1	63.4	63.5	64.0	64.0	64.0	64.0	64.0	64.5	64.8
IV > 10000	3.3	56.9	62.0	64.1	66.0	66.1	66.8	67.1	67.2	67.7	67.7	67.7	67.7	67.7	68.2	68.5
IV ≥ 9000	3.3	56.9	62.0	64.1	66.0	66.1	66.8	67.1	67.2	67.7	67.7	67.7	67.7	67.7	68.2	68.5
IV > 8000	3.3	62.0	67.2	70.4	72.2	72.5	73.2	73.5	73.6	74.0	74.0	74.0	74.0	74.0	74.6	74.9
IV ≥ 7000	3.3	63.1	68.7	71.8	73.6	73.9	74.6	74.9	75.0	75.5	75.5	75.5	75.5	75.5	76.0	76.3
IV > 6000	3.3	63.5	69.1	72.2	74.0	74.3	75.0	75.3	75.5	75.9	75.9	75.9	75.9	75.9	76.5	76.7
IV ≥ 5000	3.3	64.4	69.9	73.0	74.9	75.2	75.9	76.2	76.3	76.7	76.7	76.7	76.7	76.7	77.3	77.6
IV > 4500	3.3	65.4	70.9	74.2	76.0	76.3	77.0	77.3	77.4	77.9	77.9	77.9	77.9	77.9	78.4	78.7
IV ≥ 4000	3.3	67.0	72.6	76.6	78.6	78.9	79.6	79.9	80.0	80.4	80.4	80.4	80.4	80.4	81.0	81.3
IV > 3500	3.3	67.2	72.9	76.9	78.9	79.1	79.9	80.1	80.3	80.7	80.7	80.7	80.7	80.7	81.3	81.6
IV ≥ 3000	3.3	67.5	73.3	77.4	79.4	79.7	80.6	80.9	81.0	81.4	81.4	81.4	81.4	81.4	82.1	82.4
IV > 2500	3.3	68.2	74.2	78.6	81.1	81.4	82.3	82.6	82.7	83.1	83.1	83.1	83.1	83.1	83.8	84.1
IV ≥ 2000	3.3	68.7	74.8	79.1	82.3	82.7	83.7	84.0	84.1	84.5	84.5	84.5	84.5	84.5	85.2	85.5
IV > 1800	3.3	68.8	74.9	79.3	82.4	82.8	84.0	84.3	84.4	84.8	84.8	84.8	84.8	84.8	85.5	85.8
IV ≥ 1500	3.3	68.9	75.0	79.9	83.3	83.7	84.8	85.1	85.2	85.7	85.7	85.7	85.7	85.7	86.0	86.7
IV > 1200	3.3	69.2	75.7	81.0	84.4	84.8	86.0	86.2	86.4	86.8	86.8	86.8	86.8	87.1	87.8	88.1
IV ≥ 1000	3.3	69.4	76.2	81.7	85.2	86.0	87.1	87.4	87.5	87.9	87.9	87.9	87.9	88.2	88.9	89.2
IV > 900	3.3	69.4	76.3	82.0	85.7	86.4	87.5	87.8	87.9	88.4	88.4	88.4	88.4	88.7	89.4	89.6
IV ≥ 800	3.3	69.6	76.6	82.4	86.4	87.2	88.4	88.7	88.8	89.2	89.2	89.2	89.2	89.5	90.2	90.5
IV > 700	3.3	69.6	76.7	82.6	87.0	87.9	89.1	89.5	89.6	90.1	90.1	90.1	90.4	90.4	91.1	91.3
IV ≥ 600	3.3	69.8	77.0	83.1	87.8	89.4	90.5	91.1	91.2	91.6	91.6	91.6	91.9	91.9	92.6	92.9
IV > 500	3.3	69.8	77.2	83.5	88.9	90.5	92.1	92.8	92.9	93.5	93.5	93.5	93.8	93.8	94.5	94.8
IV ≥ 400	3.3	69.9	77.6	84.1	89.6	91.2	92.8	93.9	94.0	94.6	95.0	95.0	95.3	95.3	96.0	96.3
IV > 300	3.3	69.9	77.6	84.1	89.6	91.2	93.0	94.3	94.5	95.2	95.6	95.6	96.0	96.0	96.7	97.0
IV ≥ 200	3.3	69.9	77.6	84.1	89.9	91.5	93.6	94.9	95.0	96.0	96.7	96.7	97.4	97.4	98.4	99.3
IV > 100	3.3	69.9	77.6	84.1	90.1	91.6	93.8	95.0	95.2	96.2	96.9	96.9	97.6	97.6	98.7	99.7
IV ≥ 0	3.3	69.9	77.6	84.1	90.1	91.6	93.8	95.0	95.2	96.2	96.9	96.9	97.6	97.6	98.7	99.7

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

12434U PAUXENI RIVER NAS MD 75-80 NOV  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	3.8	49.0	51.7	53.5	53.8	53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	4.7	54.1	57.1	59.2	59.8	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.6
IV 18000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 16000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 14000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 12000	4.7	54.5	57.6	59.8	60.3	60.6	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.2
IV 10000	4.7	58.4	61.9	64.0	64.9	65.2	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	66.0
IV 9000	4.8	58.8	62.3	64.4	65.3	65.6	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.4
IV 8000	5.0	63.7	67.4	69.7	70.5	70.8	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.7
IV 7000	5.0	65.7	69.7	72.2	73.1	73.4	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.2
IV 6000	5.0	66.4	70.4	73.1	74.1	74.4	74.6	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.2
IV 5000	5.0	67.3	71.4	74.1	75.4	75.6	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.5
IV 4500	5.0	69.0	73.4	77.1	78.5	78.9	79.2	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.7
IV 4000	5.0	70.0	74.4	78.5	79.9	80.5	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.3
IV 3500	5.0	70.9	74.6	78.8	80.2	80.7	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.6
IV 3000	5.0	71.5	76.3	81.0	82.7	83.5	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.4
IV 2500	5.0	72.4	77.2	81.9	83.6	84.1	84.7	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.3
IV 2000	5.0	73.4	78.3	83.1	84.8	85.7	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	87.0
IV 1800	5.0	73.5	78.5	83.3	85.0	85.8	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	87.1
IV 1500	5.0	74.1	79.2	84.1	85.8	86.7	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	88.1
IV 1200	5.0	74.1	79.3	84.3	86.4	87.4	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.8
IV 1000	5.0	74.2	79.6	84.8	87.0	88.0	88.7	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.5
IV 900	5.0	74.2	79.7	85.3	87.7	88.7	89.5	89.8	89.8	89.9	90.1	90.1	90.2	90.2	90.2	90.5
IV 800	5.0	74.2	79.7	85.7	88.1	89.2	90.4	90.7	90.7	90.8	90.9	90.9	91.1	91.1	91.1	91.4
IV 700	5.0	74.2	79.7	85.7	88.5	89.8	90.9	91.5	91.5	91.6	91.8	91.8	91.9	91.9	91.9	92.2
IV 600	5.0	74.4	80.0	86.3	89.4	90.8	92.1	92.8	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.6
IV 500	5.0	74.4	80.2	86.5	89.9	91.5	93.1	93.9	94.1	94.8	94.9	94.9	95.0	95.0	95.0	95.3
IV 400	5.0	74.6	80.5	87.1	90.5	92.6	94.3	95.8	95.9	96.7	96.9	96.9	97.3	97.3	97.3	97.6
IV 300	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.2	96.3	97.5	97.6	97.6	98.2	98.2	98.3	98.6
IV 200	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.3	96.5	97.6	97.6	98.2	98.2	98.9	99.3
IV 100	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.3	96.5	97.6	97.6	98.2	98.2	98.9	99.3
IV 0	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.3	96.5	97.6	97.6	98.2	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724340 PATUXENT RIVER NAS MD

73-80

NOV

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	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6
NO CEILING	4.5	47.7	49.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	5.0	54.9	57.3	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
IV 12000	5.1	55.6	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3
IV 10000	5.1	59.1	62.4	63.4	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	5.1	59.4	62.8	63.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	5.1	63.5	67.1	68.1	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	5.1	65.0	68.7	69.6	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
IV 6000	5.1	65.8	69.5	70.6	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	5.1	67.0	70.6	71.9	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	5.1	67.8	71.8	73.3	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
IV 4000	5.1	70.9	75.3	77.0	78.9	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
IV 3500	5.4	72.6	77.4	79.6	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000	5.4	75.9	81.0	83.5	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	5.4	76.3	81.4	84.0	86.2	86.2	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	5.4	77.2	82.4	85.1	87.5	87.5	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	5.4	77.7	82.6	85.2	87.8	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	5.4	77.7	83.7	87.0	89.5	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1
IV 1200	5.4	77.7	83.7	87.5	90.2	90.2	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 1000	5.4	77.9	83.8	87.8	90.6	90.8	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	5.4	77.9	84.0	88.1	90.9	91.1	91.3	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9
IV 800	5.4	77.9	84.3	88.5	91.5	91.6	92.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	5.4	77.9	84.4	88.7	91.6	91.8	92.5	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.3
IV 600	5.4	77.9	84.4	88.9	92.1	92.2	93.2	93.8	93.8	94.0	94.5	94.5	94.5	94.5	94.6
IV 500	5.4	77.9	84.5	89.2	92.9	93.5	95.2	95.9	95.9	96.3	97.0	97.0	97.0	97.2	97.4
IV 400	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.2	97.2	98.2	98.9	98.9	98.9	99.0	99.3
IV 300	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.2	97.2	98.2	99.0	99.0	99.0	99.4	99.9
IV 200	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.6	100.0
IV 100	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.6	100.0
IV 0	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 705

# CEILING VERSUS VISIBILITY

1740MU  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
TIME (H)

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	20	25	24	23	22.5	22	21.5	21.4	21	20	19.5	19	18	17	20	
NO CEILING	48.3	44.9	47.2	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	48.4	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IVM 18000	48.4	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IVM 16000	48.6	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IVM 14000	48.6	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IVM 12000	48.7	53.5	55.9	57.1	57.1	57.2	57.5	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IVM 10000	48.7	58.6	61.3	62.3	63.2	63.3	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IVM 9000	48.7	58.6	61.5	62.6	63.5	63.6	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVM 8000	48.7	64.3	67.4	69.5	70.5	70.5	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IVM 7000	48.7	65.6	69.5	71.0	72.2	72.3	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IVM 6000	48.7	66.2	70.0	71.6	72.9	73.0	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IVM 5000	48.7	67.6	71.9	73.5	74.9	75.0	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IVM 4500	48.7	69.0	73.6	75.3	77.0	77.2	77.6	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IVM 4000	48.4	71.3	76.4	78.0	80.7	80.9	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IVM 3500	50.1	73.2	79.2	81.5	83.2	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVM 3000	50.1	75.5	81.9	85.0	86.9	87.2	87.6	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IVM 2500	50.1	76.0	82.5	86.0	88.3	88.6	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVM 2000	50.1	76.2	82.7	86.3	88.6	89.0	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVM 1800	50.1	76.3	82.9	86.7	89.2	89.6	90.3	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVM 1500	50.1	76.4	83.1	87.6	90.0	90.4	91.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVM 1200	50.1	76.9	84.6	87.9	90.4	90.9	91.7	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IVM 1000	50.1	77.5	84.6	88.4	91.3	91.7	92.6	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IVM 900	50.1	77.5	84.6	88.6	91.4	91.9	92.7	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IVM 800	50.1	77.6	84.9	89.2	92.2	92.6	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVM 700	50.1	77.6	84.9	89.4	92.7	93.2	94.2	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IVM 600	50.1	77.7	85.0	89.6	92.9	93.7	94.9	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IVM 500	50.1	77.9	85.2	89.7	93.4	94.3	95.6	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVM 400	50.1	77.9	85.3	89.9	93.6	94.4	95.9	96.7	96.9	97.7	97.9	97.9	98.0	98.0	98.0	98.1	98.1
IVM 300	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.7
IVM 200	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	98.9	99.3	99.6
IVM 100	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	98.9	99.3	100.0
IVM 0	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
NO CEILING	.4	48.7	50.3	51.7	52.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	≥ 2000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 18000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 16000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0
≥ 2000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 18000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 16000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																	
IV 18000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 16000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																		
IV 16000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																			
IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																				
IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																					
IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																						
IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																							
IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																								
IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																									
IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																										
IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																											
IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																												
IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																													
IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																														
IV 3000	.4	75.6	79.5	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																															
IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																
IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																	
IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																		
IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																			
IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																				
IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																					
IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																						
IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																							
IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																								
IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																									
IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																										
IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4	IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2	IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7	IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING	.7	54.4	56.2	56.9	57.2	57.2	57.6	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 20000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
IV 18000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
IV 16000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
IV 14000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
IV 12000	.8	59.3	61.1	61.8	62.1	62.1	62.5	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.2
IV 10000	.8	63.1	65.2	66.3	67.5	67.5	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.6
IV 9000	.8	63.1	65.2	66.3	67.5	67.5	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.6
IV 8000	1.0	67.7	69.9	71.5	72.8	73.0	73.4	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2
IV 7000	1.0	70.0	72.5	74.2	75.5	75.6	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.9
IV 6000	1.0	70.7	73.2	74.9	76.2	76.3	76.8	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.6
IV 5000	1.0	71.1	73.8	75.5	76.8	76.9	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.2
IV 4500	1.0	72.1	74.8	76.5	77.7	77.9	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.2
IV 4000	1.0	74.2	77.2	78.9	80.1	80.3	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7
IV 3500	1.0	75.4	78.5	80.5	81.5	81.7	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.1
IV 3000	1.0	76.9	80.4	82.3	83.5	83.7	84.2	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1
IV 2500	1.0	77.0	80.7	82.5	83.8	83.9	84.5	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.4
IV 2000	1.0	77.6	81.5	83.4	84.6	84.8	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.2
IV 1800	1.0	77.8	81.5	83.5	84.8	84.9	85.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.3
IV 1500	1.0	77.6	82.0	84.1	85.3	85.8	86.3	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.2
IV 1200	1.0	78.0	82.5	84.9	86.5	86.8	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.2
IV 1000	1.0	78.3	83.0	86.1	87.7	88.2	89.0	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.9
IV 900	1.0	78.3	83.5	86.6	88.6	89.2	90.0	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.0
IV 800	1.0	78.5	83.7	86.9	89.0	89.6	90.4	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 700	1.0	78.5	84.1	87.3	89.9	90.4	91.3	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.3
IV 600	1.0	78.5	84.1	87.5	90.1	91.0	91.8	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	93.0
IV 500	1.0	78.6	84.5	87.7	90.8	92.0	93.1	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.5
IV 400	1.0	78.6	84.5	88.0	91.5	93.2	94.5	95.5	95.5	95.8	95.9	95.9	95.9	95.9	95.9	96.1
IV 300	1.0	78.6	84.5	88.0	91.8	93.7	95.5	96.5	96.5	96.8	96.9	96.9	96.9	96.9	96.9	97.2
IV 200	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.5	97.5	98.2	98.6	98.6	98.6	98.6	98.7	99.3
IV 100	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.6	97.6	98.3	99.0	99.0	99.0	99.2	99.3	100.0
IV 0	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.6	97.6	98.3	99.0	99.0	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 710



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS T.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.6	≥.4	≥.3	≥.16	≥.1	≥0
NO CEILING	2.4	50.5	52.8	53.9	54.6	54.6	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.5
≥ 20000	2.6	56.0	58.6	59.9	60.6	60.7	61.0	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.5	61.7
IV 18000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
IV 16000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
IV 14000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
IV 12000	2.7	56.6	59.3	60.6	61.4	61.4	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.5
IV 10000	2.7	60.2	63.1	64.7	66.0	66.0	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.9	67.1
IV 9000	2.7	60.3	63.3	64.9	66.2	66.3	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.1	67.3
IV 8000	2.7	65.1	68.4	70.5	71.9	72.0	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.9	73.2
IV 7000	2.7	66.6	70.2	72.4	73.8	73.9	74.4	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	75.1
IV 6000	2.7	67.1	70.8	72.9	74.4	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.5	75.7
IV 5000	2.7	68.4	71.7	73.9	75.5	75.6	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.8
IV 4500	2.7	69.1	73.0	75.5	77.2	77.3	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.5
IV 4000	2.7	71.2	75.5	78.3	80.3	80.3	80.7	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.4
IV 3500	2.8	72.3	76.7	79.6	81.4	81.6	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.6	82.8
IV 3000	2.8	73.9	78.6	81.8	83.7	83.9	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	85.0	85.2
IV 2500	2.8	74.5	79.3	82.6	84.7	84.9	85.4	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.9	86.2
IV 2000	2.8	75.0	80.0	83.5	85.7	86.0	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.4
IV 1800	2.8	75.1	80.1	83.7	86.0	86.3	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.7
IV 1500	2.8	75.4	80.7	84.5	86.9	87.2	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.5	88.7
IV 1200	2.8	75.7	81.3	85.3	87.7	88.1	88.8	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.4	89.6
IV 1000	2.8	76.1	81.9	86.2	88.8	89.2	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.4	90.5	90.7
IV 900	2.8	76.1	82.2	86.6	89.3	89.6	90.5	90.8	90.8	91.0	91.0	91.0	91.0	91.1	91.2	91.5
IV 800	2.8	76.2	82.3	87.0	89.9	90.4	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.9	92.1
IV 700	2.8	76.2	82.5	87.3	90.4	91.0	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.5	92.7	92.9
IV 600	2.8	76.3	82.6	87.6	90.9	91.7	92.7	93.2	93.2	93.4	93.5	93.5	93.6	93.6	93.8	94.0
IV 500	2.8	76.3	82.9	88.0	91.7	92.7	93.9	94.5	94.6	94.9	95.1	95.1	95.1	95.1	95.3	95.6
IV 400	2.8	76.4	83.1	88.4	92.3	93.5	95.0	95.9	96.0	96.6	96.7	96.8	96.9	96.9	97.1	97.3
IV 300	2.8	76.4	83.1	88.4	92.5	93.8	95.4	96.4	96.5	97.2	97.4	97.4	97.6	97.6	97.9	98.2
IV 200	2.8	76.4	83.1	88.4	92.6	93.8	95.6	96.8	96.9	97.6	98.1	98.2	98.5	98.5	98.9	99.5
IV 100	2.8	76.4	83.1	88.4	92.6	93.9	95.6	96.8	96.9	97.7	98.2	98.2	98.7	98.7	99.1	99.8
IV 0	2.8	76.4	83.1	88.4	92.6	93.9	95.6	96.8	96.9	97.7	98.2	98.2	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 5654

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES																	
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1		
NO CEILING	.4	52.7	52.9	53.5	53.8	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.4
IV 20000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.5
IV 18000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.5
IV 16000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.5
IV 14000	.4	57.0	57.7	58.4	58.7	58.7	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.6
IV 12000	.4	57.6	58.3	58.9	59.2	59.2	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.2
IV 10000	.4	61.8	63.0	63.8	64.1	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.1
IV 9000	.4	61.8	63.0	63.8	64.1	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.1
IV 8000	.4	66.0	67.3	68.1	68.8	68.8	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.7
IV 7000	.4	67.0	68.2	69.0	69.7	69.7	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.7
IV 6000	.4	67.5	68.8	69.6	70.3	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.2
IV 5000	.4	69.0	70.3	71.1	71.8	71.8	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.7
IV 4500	.4	71.6	72.9	73.8	74.5	74.5	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.4
IV 4000	.4	74.4	75.9	76.8	77.5	77.5	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.4
IV 3500	.4	75.4	77.4	78.3	79.1	79.1	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.2
IV 3000	.4	76.8	79.4	80.8	81.6	81.6	82.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.8
IV 2500	.4	78.9	81.4	83.1	83.9	83.9	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.1
IV 2000	.4	79.8	82.4	84.2	85.1	85.1	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.5
IV 1800	.4	80.1	82.7	84.4	85.4	85.4	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.8
IV 1500	.4	80.9	83.5	85.8	86.9	86.9	87.6	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.4
IV 1200	.4	81.3	84.0	86.4	87.6	87.6	88.3	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.1
IV 1000	.4	82.1	85.1	87.9	89.5	89.5	90.5	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.3
IV 900	.4	82.5	85.5	88.4	90.2	90.2	91.1	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	92.0
IV 800	.4	82.5	85.7	88.7	90.5	90.6	91.5	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.4
IV 700	.4	82.7	85.8	88.9	91.0	91.1	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.9
IV 600	.4	82.8	86.4	89.5	92.0	92.2	93.3	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.1
IV 500	.4	83.1	86.6	90.0	93.0	93.5	94.5	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.4
IV 400	.4	83.2	87.0	90.5	93.7	94.4	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.5
IV 300	.4	83.4	87.2	90.6	94.0	94.7	96.0	96.5	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.3
IV 200	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.8
IV 100	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.9	98.9	98.9	98.9	98.9	99.0	99.7
IV 0	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.9	98.9	98.9	98.9	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.4	53.4	54.6	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.8	55.8	56.0	56.4
IV 20000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 18000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 16000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 14000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 12000	.4	57.4	58.6	59.4	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	60.0	60.0	60.1	60.5
IV 10000	.4	61.6	63.4	64.2	64.2	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.8	64.8	64.9	65.3
IV 9000	.4	61.6	63.4	64.2	64.2	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.8	64.8	64.9	65.3
IV 8000	.4	66.4	68.2	69.1	69.1	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.6	69.6	69.7	70.2
IV 7000	.4	67.1	68.9	69.7	69.7	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.3	70.3	70.4	70.8
IV 6000	.4	67.5	69.3	70.2	70.2	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.7	70.7	70.8	71.3
IV 5000	.6	68.9	70.8	71.8	71.8	71.8	71.8	71.9	71.9	72.1	72.1	72.1	72.4	72.4	72.5	72.9
IV 4500	.6	71.9	74.1	75.1	75.1	75.1	75.1	75.2	75.2	75.4	75.4	75.4	75.7	75.7	75.8	76.2
IV 4000	.6	74.6	76.9	78.0	78.0	78.0	78.0	78.1	78.1	78.3	78.3	78.3	78.5	78.5	78.7	79.1
IV 3500	.6	74.8	77.3	78.5	78.5	78.5	78.5	78.7	78.7	78.8	78.8	78.8	79.1	79.1	79.2	79.6
IV 3000	.6	76.3	79.2	80.7	81.2	81.2	81.2	81.3	81.7	81.8	81.8	81.8	82.1	82.1	82.3	82.7
IV 2500	.6	76.9	80.1	81.6	82.0	82.0	82.0	82.1	82.5	82.7	82.7	82.7	82.9	82.9	83.1	83.5
IV 2000	.6	78.3	81.4	83.4	83.8	83.8	83.8	83.9	84.3	84.5	84.5	84.5	84.7	84.7	84.9	85.3
IV 1800	.6	78.3	81.4	83.4	83.8	83.8	83.8	83.9	84.3	84.5	84.5	84.5	84.7	84.7	84.9	85.3
IV 1500	.6	79.0	82.3	84.7	85.7	85.8	85.8	86.0	86.4	86.5	86.5	86.5	86.9	86.9	87.1	87.5
IV 1200	.6	79.9	83.2	85.7	86.9	87.1	87.1	87.2	87.6	87.8	87.8	87.8	88.2	88.2	88.3	88.7
IV 1000	.6	80.7	84.0	86.7	87.9	88.0	88.0	88.3	88.7	89.0	89.0	89.0	89.4	89.4	89.5	90.0
IV 900	.6	81.4	84.9	87.5	88.7	88.9	89.0	89.3	89.7	90.0	90.0	90.0	90.4	90.4	90.5	90.9
IV 800	.6	81.7	85.1	87.9	89.3	89.4	89.5	89.8	90.2	90.5	90.5	90.5	90.9	90.9	91.2	91.6
IV 700	.6	81.7	85.3	88.2	89.6	90.1	90.4	90.6	91.1	91.3	91.3	91.3	91.7	91.7	92.0	92.4
IV 600	.6	82.1	85.8	88.7	90.6	91.1	91.5	91.9	92.3	92.7	92.7	92.7	93.1	93.1	93.4	93.8
IV 500	.6	82.7	86.5	89.4	91.6	92.3	92.7	93.1	93.5	93.9	93.9	93.9	94.4	94.4	94.8	95.2
IV 400	.6	82.7	86.7	89.5	92.2	92.8	93.5	94.1	94.5	94.9	94.9	94.9	95.3	95.3	95.7	96.1
IV 300	.6	82.7	86.7	89.8	93.3	93.9	94.6	95.2	95.6	96.0	96.0	96.0	96.6	96.6	97.0	97.4
IV 200	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.1	96.6	97.1	97.2	97.2	97.9	97.9	98.3	98.8
IV 100	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.3	96.7	97.2	97.7	97.8	98.5	98.5	98.9	99.4
IV 0	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.3	96.7	97.2	97.7	97.8	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

75-80  
YEARS

DEC  
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	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	≥0.1
NO CEILING	1.4	49.7	50.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 20000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 18000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 16000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 14000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 12000	1.5	55.0	56.5	57.8	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 10000	1.5	59.8	61.6	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
≥ 9000	1.5	60.1	61.9	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0
≥ 8000	1.5	65.3	67.4	68.9	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 7000	1.5	65.4	68.0	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
≥ 6000	1.5	66.7	68.8	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0
≥ 5000	1.5	68.2	70.4	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8
≥ 4500	1.5	70.3	73.0	75.2	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1
≥ 4000	1.5	72.9	75.9	78.1	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
≥ 3500	1.5	73.5	76.9	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
≥ 3000	1.5	74.4	78.0	80.5	81.2	81.3	81.4	81.4	81.6	81.7	81.7	81.8	81.8	81.8	81.8	82.0
≥ 2500	1.5	75.4	79.1	81.6	82.4	82.5	82.7	82.7	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.4
≥ 2000	1.5	75.7	79.5	82.9	84.0	84.2	84.3	84.3	84.5	84.7	84.9	85.0	85.1	85.1	85.1	85.3
≥ 1800	1.5	75.8	79.8	83.2	84.3	84.5	84.6	84.6	84.7	85.0	85.1	85.3	85.4	85.4	85.4	85.6
≥ 1500	1.5	76.5	80.7	84.3	85.8	86.0	86.1	86.1	86.2	86.5	86.7	86.8	86.9	86.9	86.9	87.1
≥ 1200	1.5	77.2	81.7	85.6	87.2	87.5	87.8	87.8	87.9	88.2	88.3	88.4	88.6	88.6	88.6	88.7
≥ 1000	1.5	77.6	82.1	86.0	87.9	88.2	88.6	88.6	88.7	89.0	89.1	89.3	89.4	89.4	89.4	89.5
≥ 900	1.5	77.7	82.5	86.5	88.7	89.1	89.5	89.7	89.8	90.1	90.2	90.4	90.5	90.5	90.5	90.6
≥ 800	1.5	78.0	83.1	87.1	89.4	89.8	90.4	90.6	90.8	91.1	91.2	91.3	91.5	91.5	91.5	91.6
≥ 700	1.5	78.5	84.0	88.3	90.6	91.1	91.7	92.0	92.2	92.4	92.6	92.7	92.8	92.8	92.8	93.0
≥ 600	1.5	78.8	84.5	88.7	91.1	91.6	92.3	92.6	92.7	93.1	93.3	93.4	93.5	93.5	93.5	93.7
≥ 500	1.5	79.2	84.9	89.3	91.6	92.4	93.7	94.1	94.2	94.6	94.8	94.9	95.0	95.0	95.0	95.2
≥ 400	1.5	79.2	85.0	89.5	92.3	93.3	94.6	95.2	95.3	95.7	96.0	96.1	96.3	96.3	96.3	96.4
≥ 300	1.5	79.4	85.1	89.8	92.8	93.8	95.5	96.0	96.1	96.8	97.1	97.4	97.5	97.5	97.5	97.8
≥ 200	1.5	79.4	85.1	89.8	92.8	93.8	95.6	96.1	96.3	97.4	97.8	98.1	98.6	98.6	98.9	99.4
≥ 100	1.5	79.4	85.1	90.0	93.0	93.9	95.7	96.3	96.4	97.5	97.9	98.2	98.8	98.8	99.0	99.9
U	1.5	79.4	85.1	90.0	93.0	93.9	95.7	96.3	96.4	97.5	97.9	98.2	98.8	98.8	99.0	99.9

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	1.9	43.0	43.6	44.5	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
IVM 18000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
IVM 16000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
IVM 14000	2.3	52.3	53.4	54.2	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1
IVM 12000	2.5	53.6	54.6	55.5	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.3	56.3
IVM 10000	2.7	58.1	59.3	60.2	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.1
IVM 9000	2.7	58.6	59.8	60.8	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6
IVM 8000	2.7	64.1	66.3	67.5	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IVM 7000	2.7	65.0	67.2	68.6	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4
IVM 6000	2.7	66.3	69.0	70.5	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
IVM 5000	2.7	68.3	71.3	73.1	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2
IVM 4500	2.7	70.6	73.8	76.0	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.2
IVM 4000	2.7	72.1	75.5	77.7	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
IVM 3500	2.7	72.7	76.1	78.3	79.4	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
IVM 3000	2.7	73.8	77.5	79.9	81.1	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
IVM 2500	2.7	74.2	78.3	81.0	82.4	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9
IVM 2000	2.7	75.1	79.8	83.2	84.6	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
IVM 1800	2.7	75.1	79.9	83.5	84.8	84.8	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
IVM 1500	2.7	76.0	80.9	84.8	86.2	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9
IVM 1200	2.7	76.1	81.3	85.4	86.9	87.0	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7
IVM 1000	2.7	76.8	82.2	86.6	88.3	88.4	89.2	89.3	89.3	89.5	89.5	89.5	89.5	89.6	89.6	89.6
IVM 900	2.7	77.0	82.8	87.3	89.1	89.2	90.3	90.6	90.6	90.8	91.3	91.3	91.4	91.4	91.4	91.4
IVM 800	2.7	77.3	83.2	88.1	90.3	90.4	91.5	91.9	91.9	92.2	92.6	92.6	92.8	92.8	92.8	92.8
IVM 700	2.7	77.6	83.5	88.7	90.8	91.3	92.5	92.9	92.9	93.2	93.6	93.6	93.7	93.7	93.7	93.7
IVM 600	2.7	77.7	83.6	88.9	91.3	91.7	92.9	93.3	93.3	93.6	94.1	94.1	94.3	94.3	94.3	94.3
IVM 500	2.7	77.7	83.6	88.9	91.3	91.8	93.3	93.7	93.7	94.0	94.8	94.8	94.9	94.9	94.9	94.9
IVM 400	2.7	77.7	83.6	89.3	91.7	92.8	94.4	95.4	95.4	95.8	96.7	96.7	96.9	96.9	97.0	97.0
IVM 300	2.7	77.7	83.6	89.3	92.1	93.2	94.9	95.9	95.9	96.3	97.3	97.3	97.4	97.5	97.8	98.2
IVM 200	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	99.6
IVM 100	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	100.0
IVM 0	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 40 STATION PATUXENT RIVER NAS MD

73-80 YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1230-1400

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	2.4	46.4	46.7	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	2.4	54.9	55.2	55.5	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	2.4	55.1	55.3	55.6	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	2.4	55.5	55.7	56.0	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	2.4	57.0	57.2	57.5	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000	2.4	60.9	61.2	61.6	61.7	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	2.4	61.7	62.0	62.4	62.6	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	2.4	65.7	66.9	67.8	67.9	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	2.4	66.4	67.9	68.7	68.9	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	2.4	66.9	68.9	69.7	69.8	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	2.4	69.1	71.9	72.3	72.5	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	2.4	70.5	73.2	74.5	74.7	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	2.4	72.4	75.9	76.4	76.9	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	2.4	73.6	76.5	77.6	78.3	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	2.4	75.5	79.1	80.3	81.3	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	2.4	76.9	80.6	82.5	83.6	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	2.4	77.9	82.0	84.2	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	2.4	77.9	82.0	84.2	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	2.4	78.7	83.2	85.8	87.4	87.8	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	2.4	79.0	84.0	87.0	88.8	89.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000	2.4	79.6	85.2	88.5	91.0	91.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	2.4	79.6	85.4	88.7	91.1	91.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	2.4	79.6	85.4	88.7	91.1	91.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	2.4	79.6	85.7	88.9	91.8	92.6	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	2.4	79.6	85.7	89.2	92.1	92.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	2.4	79.9	85.9	89.6	92.6	93.6	95.2	95.8	95.8	95.8	95.8	95.9	95.9	96.0	96.2	96.6
≥ 400	2.4	79.9	85.9	89.6	92.9	94.0	95.8	96.4	96.4	96.6	97.0	97.0	97.1	97.3	97.7	97.7
≥ 300	2.4	79.9	86.1	89.8	93.0	94.4	96.3	97.0	97.0	97.3	97.8	97.8	98.1	98.4	99.0	99.0
≥ 200	2.4	79.9	86.1	89.8	93.0	94.4	96.3	97.1	97.1	97.5	98.1	98.1	98.5	98.8	99.5	99.6
≥ 100	2.4	79.9	86.1	89.8	93.0	94.4	96.4	97.3	97.3	97.8	98.4	98.4	98.8	99.0	99.7	100.0
≥ 0	2.4	79.9	86.1	89.8	93.0	94.4	96.4	97.3	97.3	97.8	98.4	98.4	98.8	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 732

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAJ

# CEILING VERSUS VISIBILITY

72-140  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEARS

D&C  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.6	43.8	44.3	45.1	45.3	45.3	45.3	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	2.5	53.5	54.3	55.4	55.5	55.5	55.5	55.7	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0
≥ 18000	2.7	54.0	54.9	56.0	56.1	56.1	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.5	56.5	56.5
≥ 16000	2.5	54.0	54.9	56.0	56.1	56.1	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.5	56.5	56.5
≥ 14000	2.5	54.4	55.3	56.4	56.5	56.5	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 12000	2.5	55.8	56.6	57.7	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.3	58.3	58.3
≥ 10000	2.7	60.2	61.0	62.1	62.2	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.7
≥ 9000	2.7	60.6	61.4	62.5	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	63.1	63.1	63.1
≥ 8000	2.7	66.6	67.9	69.1	69.2	69.2	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 7000	2.7	67.9	69.2	70.5	70.6	70.6	70.6	70.7	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0
≥ 6000	2.7	68.4	70.0	71.3	71.5	71.5	71.5	71.7	71.7	71.8	71.8	71.8	71.8	72.0	72.0	72.0
≥ 5000	2.7	70.2	71.8	73.2	73.5	73.6	73.6	73.7	73.7	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 4500	2.7	71.5	73.7	75.5	75.9	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.5	76.5	76.5
≥ 4000	2.7	73.1	76.1	78.0	78.4	78.5	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9
≥ 3500	2.7	74.6	77.2	79.2	79.8	79.9	79.9	80.0	80.0	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥ 3000	2.7	76.7	79.8	82.1	82.9	83.0	83.0	83.2	83.2	83.4	83.4	83.4	83.4	83.6	83.6	83.6
≥ 2500	2.7	78.0	81.3	83.6	84.7	84.8	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 2000	2.7	78.8	82.2	84.8	86.0	86.3	86.3	86.6	86.6	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 1800	2.7	79.3	82.8	85.5	86.7	87.0	87.0	87.3	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7
≥ 1500	2.7	79.8	83.4	86.2	87.4	87.8	87.8	88.1	88.1	88.4	88.4	88.4	88.4	88.5	88.5	88.5
≥ 1200	2.7	80.2	84.7	87.6	88.8	89.6	89.6	90.0	90.0	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 1000	2.7	80.3	85.2	88.2	89.7	90.7	90.7	91.1	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.5
≥ 900	2.7	80.3	85.2	88.5	90.3	91.2	91.2	91.6	91.6	91.9	91.9	91.9	91.9	92.0	92.0	92.0
≥ 800	2.7	80.3	85.4	88.6	91.0	91.9	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 700	2.7	80.4	85.5	88.9	91.2	92.1	92.1	92.5	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9
≥ 600	2.7	80.6	85.6	89.5	91.8	92.7	92.7	93.1	93.1	93.4	93.4	93.4	93.4	93.5	93.5	93.5
≥ 500	2.7	80.6	85.6	89.5	91.8	92.7	92.7	93.1	93.1	93.4	93.4	93.4	93.4	93.5	93.5	93.5
≥ 400	2.7	80.6	85.6	89.5	91.8	92.7	92.7	93.1	93.1	93.4	93.4	93.4	93.4	93.5	93.5	93.5
≥ 300	2.7	80.6	85.8	89.6	91.9	92.8	92.8	93.2	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 200	2.7	80.6	85.8	89.6	91.9	92.8	92.8	93.2	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 100	2.7	80.6	85.8	89.6	91.9	92.8	92.8	93.2	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 0	2.7	80.6	85.8	89.6	91.9	92.8	92.8	93.2	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124940  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

75-80  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.7	≥ 2	≥ 1.7	≥ 1.4	≥ 1	≥ .7	≥ .5	≥ .3	≥ .16	≥ .	≥ 0	
NO CEILING	.7	51.8	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 20000	.7	57.3	58.4	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 18000	.7	57.4	58.5	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	58.6
IV 16000	.7	57.4	58.5	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	58.6
IV 14000	.7	57.7	58.8	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
IV 12000	.7	58.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 10000	.7	63.3	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 9000	.7	63.4	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 8000	.7	67.9	69.5	70.0	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
IV 7000	.7	68.9	71.0	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	.7	68.9	71.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 5000	.7	70.5	72.9	74.1	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
IV 4500	.7	71.4	74.2	75.6	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
IV 4000	.7	73.7	77.5	79.0	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 3500	.7	74.1	78.2	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	.7	76.4	80.7	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500	.7	77.7	82.5	84.1	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
IV 2000	.7	78.6	83.6	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1800	.7	78.6	83.6	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500	.7	79.6	85.3	87.4	87.9	88.1	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1200	.7	80.0	85.8	87.8	88.9	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	.7	80.3	86.2	88.2	89.9	90.1	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 900	.7	80.3	86.2	88.4	90.3	90.5	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	.7	80.5	86.8	89.2	91.4	91.7	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 700	.7	80.7	87.1	89.6	92.1	92.6	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 600	.7	80.7	87.3	89.9	92.5	93.4	94.2	94.5	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 500	.7	80.8	87.4	90.1	93.2	94.4	95.5	95.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 400	.7	80.8	87.4	90.3	93.8	95.1	96.8	97.3	97.4	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.7	97.8	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 200	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3
IV 100	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	99.0	99.5	99.5	99.7	99.7	100.0	100.0	100.0
IV 0	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	99.0	99.5	99.5	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72540  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.3	≥.2	≥.2
NO CEILING	.4	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 16000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	.4	57.3	57.6	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 10000	.4	61.4	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 9000	.4	61.4	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	.4	66.3	67.5	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	.4	67.5	68.9	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	.4	67.8	69.2	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	.4	69.4	71.4	72.0	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 4500	.4	71.1	73.1	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 4000	.4	73.9	76.4	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
IV 3500	.4	74.8	77.5	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	.4	77.5	80.4	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
IV 2500	.4	78.0	81.6	82.8	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 2000	.4	79.5	83.8	85.1	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 1800	.4	80.1	84.3	85.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	.4	81.3	85.8	87.4	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200	.4	81.3	85.8	87.4	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	.4	81.7	86.6	88.7	89.9	90.0	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 900	.4	81.9	87.2	89.2	90.5	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	.4	82.0	87.7	90.0	91.5	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	.4	82.0	88.3	90.7	92.5	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 600	.4	82.5	88.8	91.7	93.9	94.1	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	.4	82.7	88.9	91.8	94.5	95.0	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400	.4	82.7	89.4	92.2	95.4	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 300	.4	82.7	89.4	92.2	95.4	95.9	97.0	97.1	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.5
IV 200	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.2	98.2	98.2	98.6	98.6	98.8	98.9
IV 100	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.4	98.4	98.5	98.9	98.9	99.0	99.6
IV 0	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.4	98.4	98.5	98.9	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

133

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140 STATION PATUXENT RIVER NAS MD

73-80 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0	≥0	
NO CEILING	1.4	49.4	49.8	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.9
IV 20000	1.4	55.3	56.1	56.9	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.5
IV 18000	1.4	55.3	56.2	56.9	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6
IV 16000	1.4	55.4	56.2	57.0	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6
IV 14000	1.4	55.6	56.4	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8
IV 12000	1.4	56.6	57.4	58.2	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.8
IV 10000	1.5	60.7	62.1	62.9	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.6
IV 9000	1.5	61.2	62.5	63.1	63.4	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8
IV 8000	1.5	66.1	67.6	68.6	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3
IV 7000	1.5	67.0	68.7	69.6	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.4
IV 6000	1.5	67.5	69.4	70.4	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.2
IV 5000	1.5	69.2	71.3	72.5	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
IV 4500	1.5	71.1	73.5	75.0	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.9
IV 4000	1.5	73.5	76.2	77.7	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.7
IV 3500	1.5	74.2	77.1	78.7	79.2	79.3	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.8
IV 3000	1.5	75.9	79.2	81.0	81.8	81.9	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.5
IV 2500	1.5	77.0	80.6	82.5	83.4	83.5	83.6	83.7	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.1
IV 2000	1.5	78.0	81.8	84.2	85.2	85.3	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	86.0
IV 1800	1.5	78.2	82.1	84.4	85.4	85.6	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.3
IV 1500	1.5	79.0	83.1	85.8	87.0	87.2	87.6	87.7	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.2
IV 1200	1.5	79.4	83.8	86.6	88.0	88.2	88.6	88.8	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.3
IV 1000	1.5	79.9	84.6	87.6	89.3	89.6	90.2	90.4	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.9	90.9
IV 900	1.5	80.1	85.0	88.1	89.9	90.2	90.9	91.2	91.3	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.8
IV 800	1.5	80.3	85.5	88.6	90.6	91.0	91.8	92.0	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.7
IV 700	1.5	80.4	85.6	89.0	91.2	91.7	92.6	92.8	92.9	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.6
IV 600	1.5	80.6	86.0	89.5	91.9	92.5	93.4	93.7	93.8	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.5
IV 500	1.5	80.8	86.2	89.8	92.5	93.3	94.4	94.8	94.9	95.2	95.3	95.3	95.5	95.5	95.5	95.6	95.7
IV 400	1.5	80.9	86.3	90.1	93.0	94.0	95.3	95.8	95.9	96.3	96.6	96.6	96.7	96.8	96.8	96.9	97.0
IV 300	1.5	80.9	86.4	90.2	93.3	94.4	96.2	96.9	97.0	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	1.5	80.9	86.4	90.2	93.3	94.5	96.3	97.0	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	1.5	80.9	86.4	90.2	93.3	94.5	96.3	97.0	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	1.5	80.9	86.4	90.2	93.3	94.5	96.3	97.0	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 5845

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-81  
YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .5	≥ 1/2	≥ .	≥ 0	
NO CEILING	.9	43.7	47.3	49.8	51.3	51.5	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
≥ 20000	.9	49.8	54.1	57.2	59.1	59.4	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3
18000	.9	49.8	54.2	57.3	59.2	59.5	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3
16000	.9	49.9	54.2	57.3	59.2	59.5	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
14000	.9	50.1	54.5	57.6	59.5	59.8	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.7
12000	.9	51.0	55.5	58.7	60.6	60.9	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8
10000	.9	54.8	59.8	63.2	65.5	65.9	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8
9000	.9	55.1	60.1	63.6	65.9	66.2	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
8000	.9	59.3	65.0	69.0	71.5	72.0	72.6	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0
7000	1.0	60.3	66.1	70.3	72.9	73.3	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.4
6000	1.0	60.7	66.6	70.8	73.4	73.9	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9
5000	1.0	61.8	67.8	72.1	74.9	75.3	76.1	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5
4500	1.0	63.0	69.2	73.6	76.4	76.9	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
4000	1.0	64.8	71.5	76.0	78.9	79.5	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.7
3500	1.0	65.6	72.2	77.0	80.0	80.5	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
3000	1.0	67.8	74.9	80.0	83.3	83.9	84.8	85.0	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.3
2500	1.0	68.6	75.9	81.2	84.6	85.2	86.1	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.7
2000	1.0	69.3	76.9	82.4	86.1	86.7	87.7	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.3
1800	1.0	69.5	77.0	82.7	86.3	87.0	88.0	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.5	88.5
1500	1.0	70.2	78.0	83.9	87.7	88.4	89.5	89.7	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.1
1200	1.0	70.6	78.5	84.6	88.5	89.3	90.4	90.6	90.7	90.8	90.9	90.9	90.9	90.9	91.0	91.1
1000	1.0	71.0	79.2	85.6	89.8	90.6	91.9	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
900	1.0	71.2	79.4	85.9	90.3	91.1	92.4	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.2	93.3
800	1.0	71.3	79.7	86.4	90.9	91.9	93.2	93.6	93.6	93.9	93.9	94.0	94.0	94.0	94.1	94.1
700	1.0	71.4	80.0	86.8	91.5	92.5	94.0	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.9	95.0
600	1.0	71.5	80.2	87.1	92.0	93.1	94.6	95.1	95.1	95.4	95.5	95.5	95.6	95.6	95.7	95.8
500	1.0	71.7	80.4	87.5	92.5	93.7	95.5	96.0	96.0	96.4	96.6	96.6	96.7	96.7	96.8	96.9
400	1.0	71.7	80.5	87.7	92.9	94.2	96.1	96.7	96.7	97.2	97.5	97.5	97.6	97.6	97.7	97.8
300	1.0	71.7	80.5	87.7	93.1	94.4	96.4	97.1	97.2	97.8	98.0	98.1	98.3	98.3	98.4	98.6
200	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.4	98.4	98.8	98.8	99.1	99.3
100	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.5	98.5	99.0	99.0	99.4	99.8
0	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.5	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 66740

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & 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

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE  
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY  
SIGNIFICANT.



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

724040

PATUXENT RIVER NAS MD

73-80

FEB

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
FEB	00-02	33.3			17.4						12.4	36.9	5.3	667
	03-05	50.3			15.7						18.2	35.8	5.7	670
	06-08	21.1			24.4						17.9	36.6	6.0	669
	09-11	21.2			19.4						19.4	40.0	6.3	665
	12-14	16.1			24.0						21.6	38.3	6.5	666
	15-17	17.1			24.9						18.9	39.1	6.4	672
	18-20	24.3			24.0						16.1	35.6	5.7	666
	21-23	32.2			21.2						12.3	34.2	5.2	664
TOTALS		24.5			21.4						17.1	37.1	5.9	5339



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

124 140  
 STATION

PAUXENT RIVER NAS MD  
 STATION NAME

73-80  
 PERIOD

APR  
 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	31.0			17.0						16.8	35.2	5.5	710
	03-05	27.8			23.6						17.2	31.4	5.4	704
	06-08	18.3			25.0						22.9	33.8	6.2	699
	09-11	16.9			24.2						22.6	36.3	6.4	708
	12-14	14.0			22.0						26.4	37.7	6.8	709
	15-17	13.8			20.7						28.3	37.1	6.9	709
	18-20	14.4			26.4						24.0	35.2	6.5	701
	21-23	25.2			24.9						17.0	33.0	5.6	707
	TOTALS	20.2			23.0						21.9	35.0	6.2	5647



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

72400

PATUXENT RIVER NAS MD

73-80

MAY

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	
MAY	00-02	21.5			20.4							20.2	38.0	6.2	727
	03-05	17.2			23.1							19.0	40.7	6.5	722
	06-08	15.1			22.3							21.6	41.0	6.7	717
	09-11	8.2			23.9							26.5	41.3	7.2	728
	12-14	5.0			19.6							35.0	40.3	7.8	734
	15-17	7.4			21.7							31.6	39.2	7.4	727
	18-20	7.7			21.8							31.3	39.2	7.4	725
	21-23	17.4			21.4							25.1	36.1	6.5	729
TOTALS		12.4			21.8							26.3	39.5	7.0	5809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

724 140    PATUXENT RIVER NAS MD    73-80    JUN  
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
JUN	00-02	19.6			25.2						22.8	32.4	6.0	694
	03-05	14.3			27.5						26.3	31.9	6.4	699
	06-08	10.9			25.5						31.6	31.9	6.8	689
	09-11	10.9			21.2						31.0	36.9	7.1	704
	12-14	5.0			28.8						28.8	37.4	7.2	698
	15-17	6.3			26.4						32.8	34.5	7.2	701
	18-20	9.7			26.6						27.9	35.8	6.9	688
	21-23	17.8			25.5						24.7	32.0	6.2	697
TOTALS		11.8			25.8						28.2	34.1	6.7	5570

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SKY COVER**

724040

PATUXENT RIVER NAS MD

73-80

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	21.1			24.2						23.8	30.9	6.0	702
	03-05	13.5			31.7						24.8	30.0	6.2	703
	06-08	6.8			30.2						31.2	31.8	6.9	702
	09-11	8.1			29.3						31.2	31.4	6.8	706
	12-14	3.4			32.4						39.2	25.0	7.0	716
	15-17	4.6			28.8						38.7	27.8	7.1	711
	18-20	8.1			26.7						30.1	35.1	7.0	707
	21-23	14.7			24.5						29.1	31.6	6.5	693
TOTALS		10.0			28.5						31.0	30.5	6.7	5690

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

124-ND PATUXENT RIVER NAS MD  
STATION      STATION NAME

15-BU  
PERIOD

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	16.1			26.8						27.3	29.8	6.2	704
	03-05	11.1			34.1						28.4	26.4	6.2	704
	06-08	7.5			30.2						31.2	31.1	6.8	692
	09-11	7.4			29.3						36.3	27.0	6.8	703
	12-14	4.0			31.1						41.5	23.4	7.0	721
	15-17	5.3			32.3						35.4	27.0	6.9	718
	18-20	7.4			28.7						29.6	34.3	7.0	705
	21-23	14.1			28.9						23.9	33.1	6.3	703
TOTALS		9.1			30.2						31.7	29.0	6.7	5650

8  
2  
1

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

12-1980 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
PERIOD

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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	25.9			24.7						19.2	32.2	5.7	687
	03-05	24.6			24.7						20.2	30.4	5.6	687
	06-08	13.6			30.2						25.8	30.4	6.3	71
	09-11	12.1			29.4						28.2	30.4	6.5	695
	12-14	6.5			33.9						27.7	31.9	6.7	705
	15-17	10.2			30.3						29.7	29.7	6.6	693
	18-20	12.8			27.1						29.2	30.9	6.5	695
	21-23	22.0			25.1						21.8	31.0	5.8	696
TOTALS		15.7			28.2						25.2	30.9	6.2	5559

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

72-040

PATUXENT RIVER NAS MD

73-80

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	36.5			20.4						12.7	30.4	4.8	726
	03-05	38.9			16.2						13.7	31.3	4.8	723
	06-08	20.3			30.1						17.5	32.1	5.7	724
	09-11	19.5			30.1						19.7	30.7	5.7	727
	12-14	15.0			28.6						27.6	28.8	6.2	725
	15-17	17.8			25.5						30.5	26.2	6.1	730
	18-20	23.6			24.7						24.4	27.4	5.7	726
	21-23	34.4			21.0						15.5	29.1	4.9	729
	TOTALS	25.8			24.6						20.2	29.5	5.5	5806

USAFETAC

FORM 0-9.3 (OL1)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

724 40 PATUJENT RIVER NAS MD 73-8U DEC  
 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
DEC	00-02	29.5			18.9						13.4	38.2	5.6	731
	03-05	28.8			22.5						12.6	36.0	5.4	728
	06-08	18.3			28.8						17.7	35.2	6.0	736
	09-11	14.3			25.2						22.2	38.4	6.6	735
	12-14	13.1			27.6						20.9	38.5	6.6	733
	15-17	13.9			25.2						23.0	38.0	6.6	735
	18-20	23.6			21.5						17.9	37.0	6.0	736
	21-23	28.6			18.3						14.5	38.6	5.7	733
TOTALS		21.5			25.5						17.8	37.5	6.1	5867



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

124040 PATUXENT RIVER NAS MD 73-81 ALL  
 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			
JAN	ALL	21.0			19.4							16.3	43.3	6.4	5844
FEB		24.5			21.4							17.1	37.1	5.9	5339
MAR		18.8			17.0							18.2	46.0	6.7	5843
APR		20.2			23.0							21.9	35.0	6.2	5647
MAY		12.4			21.8							26.3	39.5	7.0	5809
JUN		11.8			25.8							28.2	34.1	6.7	5570
JUL		10.0			28.5							31.0	30.5	6.7	5640
AUG		9.1			30.2							31.7	29.0	6.7	5650
SEP		15.7			28.2							25.2	30.9	6.2	5559
OCT		25.8			24.6							20.2	29.5	5.5	5806
NOV		21.8			25.1							19.2	33.9	5.9	5628
DEC		21.3			23.5							17.8	37.5	6.1	5867
TOTALS		17.7			24.0							22.8	35.5	6.3	68202

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

C PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

E' Continued on Reverse

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

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

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

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

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

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

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION 720040

STATION NAME PATUXENT RIVER NAS MD

YEARS 45-81

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
10						.1	.4						.0	
15					.1	1.9	4.5	3.2	.5				.9	
20				.5	1.8	12.2	21.3	17.6	4.0	.4			4.9	
25			.2	2.4	8.1	31.6	53.7	47.7	19.7	1.7	.1		13.9	
30		.1	1.8	8.5	22.1	57.7	85.3	77.1	43.9	7.1	.8		25.6	
35		.4	1.0	4.3	15.8	41.6	83.5	97.9	96.4	69.4	19.2	3.3	.2	36.4
40	1.9	2.2	8.8	27.2	63.2	94.4	99.8	99.6	87.6	41.6	10.5	2.2	45.2	
45	4.8	4.9	16.8	42.3	82.5	98.8	100.0	100.0	95.9	64.2	22.2	6.0	53.5	
50	10.1	11.5	28.1	64.2	94.4	99.8			99.4	84.7	39.9	13.5	62.5	
55	18.3	20.0	42.5	84.1	99.4	100.0			100.0	95.5	59.2	24.1	70.6	
60	28.2	32.8	61.7	95.5	100.0					98.7	77.8	37.8	78.0	
65	41.9	49.0	78.8	99.2						99.9	90.5	57.5	84.9	
70	63.7	69.0	91.9	99.9						100.0	98.1	76.7	91.7	
75	79.1	85.2	97.0	100.0							99.4	88.4	95.8	
80	91.9	94.5	99.6								100.0	96.6	98.6	
85	97.3	98.3	99.9									99.8	99.6	
90	99.4	99.7										100.0	99.9	
95	99.8	100.0	100.0										100.0	
100	100.0												100.0	
MEAN	43.8	45.4	53.6	64.0	72.6	80.9	85.1	84.1	78.0	67.7	57.1	47.1	65.0	
S.D.	11.185	10.843	10.978	9.757	8.281	6.986	5.432	5.577	7.214	7.982	9.424	10.309	17.182	
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1080	1115	1079	1115	13117	

GENERAL CLIMATOLOGY BRANCH  
USAFETAC

DAILY TEMPERATURES

AIR WEATHER SERVICE/HAC

STATION 724040

PATUXENT RIVER NAS MD  
STATION NAME

45-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						.2	.3	.1					.0
75						2.7	14.9	11.6	2.8				2.7
70					1.5	25.8	59.5	57.3	22.2	1.3	.2		14.2
65			.2	.6	11.7	54.9	90.3	86.6	47.6	5.7	.3		25.1
60	.2		.5	4.7	35.2	82.1	98.8	98.1	73.7	20.1	2.5		34.9
55	.6	.3	2.0	14.0	61.7	96.9	100.0	99.9	92.8	41.4	8.4	.4	43.5
50	1.3	1.2	6.0	33.3	83.5	99.8		100.0	98.4	65.0	19.1	1.6	51.1
45	3.4	3.6	16.4	61.6	96.6	100.0			100.0	83.6	36.2	7.3	59.4
40	10.6	11.6	36.8	84.7	99.7					94.9	58.8	20.4	68.5
35	25.8	28.4	62.1	96.6	100.0					99.1	81.7	40.2	78.1
30	34.9	37.8	71.1	98.0						99.7	87.2	49.4	81.8
25	51.4	53.1	85.4	99.6						100.0	93.8	64.1	87.5
20	71.0	74.5	95.5	100.0							98.1	83.9	93.7
15	85.7	88.2	98.9								99.8	94.9	97.4
10	93.6	95.7	99.9								100.0	99.0	99.0
5	98.6	99.0	100.0									100.0	99.8
0	99.5	100.0											100.0
-5	99.7												100.0
-10	100.0												100.0
MEAN	29.0	29.7	37.1	46.7	56.4	65.0	70.2	69.6	63.8	52.5	41.9	32.6	49.5
S. D.	9.017	8.462	7.828	7.085	6.578	5.735	4.258	4.316	6.364	7.829	8.555	8.097	16.475
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1079	1115	1079	1115	13116

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 72-048 PATUXENT RIVER NAS MD  
 STATION STATION NAME

**DAILY TEMPERATURES**

45-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90							.1						.0
85						1.6	6.6	3.9	.6				1.1
80					1.3	16.1	37.5	31.9	9.4	.5			8.2
75			.1	.8	7.9	43.6	76.3	71.3	32.2	2.4	.2		19.8
70	.1		.9	5.6	26.3	72.0	97.3	94.4	60.8	10.2	1.1		31.0
65	.4	.3	2.4	14.8	51.2	92.9	100.0	99.8	84.2	29.0	4.1	.2	40.2
60	1.3	1.6	7.2	29.0	77.1	99.2		100.0	96.1	56.1	13.6	2.1	48.9
55	4.0	3.6	16.4	52.5	92.5	100.0			99.6	78.5	30.1	5.7	57.3
50	9.8	10.1	30.2	76.9	99.4				100.0	92.6	48.4	14.7	65.5
45	20.3	22.4	52.2	93.4	100.0					98.5	72.3	29.7	74.4
40	36.0	41.8	76.3	99.2						99.9	89.2	51.3	83.0
35	59.3	65.2	91.0	99.9						100.0	97.2	73.5	90.7
30	77.4	81.9	97.0	100.0							99.3	88.0	95.4
25	89.9	92.7	99.5								100.0	97.0	98.3
20	96.2	97.9	99.9									99.8	99.5
15	99.4	99.7	100.0									100.0	99.9
10	99.6	100.0											100.0
5	100.0												100.0
MEAN	36.7	37.8	45.6	55.6	64.8	73.2	77.9	77.1	71.1	60.3	49.7	40.1	57.5
S.D.	9.627	9.130	8.920	7.878	6.946	5.933	4.404	4.527	6.359	7.362	8.508	8.754	16.584
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1079	1115	1079	1115	13116

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

724 40 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
45			85	79	86	97	95	91	89	79	78	55	
46	66	74	75	80	86	91	94	90	89	83	76	73	94
47	72	57	69	84	89	89	92	98	90	82	65	61	98
48	56	78	85	80	85	95	94	97	87	77	78	66	97
49	72	75	82	85	88	94	95	95	86	86	76	68	95
50	73	62	73	80	87	95	92	91	88	82	82	71	95
51	71	69	70	86	84	94	94	91	89	89	75	74	94
52	74	60	75	87	85	99	100	92	93	86*	71	59	100
53	72	67	68	86	91	91	100	97	95	79	77*	68	100
54	70	76	75	86	85	98	100	95	95	92	68	66	100
55	65	63	79	85	92	90	97	97	85	83	78	68	97
56	65	68	72	85	93	93	94	95	93	79	74	74	95
57	68	68	65	84	89	95	96	92	91	74	73	66	96
58	55	61	55	77	83	91	93	92	91	83	73	62	93
59	69	70	75	87	90	99	93	96	89	90	78	61	99
60	63	68	75	91	85	92	93	94	86	78	70	60	94
61	55	72	82	84	87	89	90	88	89	80	71	59	90
62	57	61	74	81	90	90	88	93	90	83	60	55	93
63	62	57	78	82	94	94	96	97	91	83	71	61	97
64	68	62	80	90	94	101	94	97	93	75	76	72	101
65	* 65	66	70	85	97	95	95	91	88	76	74	72	97
66	67	64	80	80	89	94	99	97	94	84	78	75	99
67	73	70	79	90	86	95	95	92	82	84	72	65	95
68	59	56	78	79	86	92	99	97	87*	93	85	68	99
69	67	50	77	91	93	98	94	92	89	84	65	60	98
70	69	61	62	82	88	93	99	94	94	84	65	66	99
71	62	70	74	78	83	90	91	91	86	80	83	75	91
72	66	77	80	86	83	87	92	89	88	79	78	65	92
73	61	60	77	89	87	90	92	94	89	84	80	71	94
74	75	70	80	91	90	92	93	88	92	80	80	66	93
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIF WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72440 PATUXENT RIVER NAS MD

45-81

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	MONTH												ALL MONTHS
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
75	74	65	68	77	87	91	91	95	87	86	79	71	95
76	63	80	81	87	83	88	92	92	90	77	73	60	92
77	53	74	83	84	87	89	95	97	89	83	73	60	97
78	67	46	77	86	86	86	97	93	92	84	73	74	97
79	64	52	84	72	82	88	89	93	86	84	74	71	93
80	60	60	70	78	88	96	103	97	98	85	74	73	103
81	61												
MEAN	65.5	65.4	75.3	83.7	87.7	92.8	94.6	93.6	89.8	82.2	74.4	66.4	95.7
S. D.	6.391	8.085	6.612	4.589	3.598	3.671	3.383	2.851	3.252	4.079	5.403	5.961	3.037
TOTAL OBS	1115	989	1116	1080	1116	1080	1116	1116	1080	1115	1079	1115	13117

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64

0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 ATC WEATHER SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72440 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			33	36	42	50	61	56	56	42	27	16	
46	17	18	32	38	44	53	61	58	54	46	34	23	17
47	14	8	26	34	39	53	61	67	47	40	29	25	8
48	17	16	20	37	47	56	60	60	56	38	36	17	12
49	23	26	25	37	49	56	66	63	49	43	26	25	23
50	24	17	17	26	45	54	64	62	46	44	19	16	16
51	16	12	28	34	48	55	60	59	46	44	26	14	12
52	16	27	25	35	44	56	55	58	51	32*	27	22	16
53	25	24	24	32	52	48	64	61	50	43	30*	18	18
54	16	20	22	29	42	55	61	59	55	40	31	19	15
55	14	13	24	35	46	56	63	65	57	40	16	17	13
56	22	22	25	32	42	55	61	60	46	46	21	25	21
57	17	25	30	32	42	55	62	63	49	35	30	14	10
58	18	7	30	37	48	54	67	65	53	43	20	10	7
59	11	15	29	37	45	53	66	63	52	42	23	22	11
60	20	21	16	33	45	58	64	62	58	38	30	12	12
61	7	10	25	31	45	58	60	62	55	42	33	22	7
62	12	17	20	36	50	61	62	62	53	38	36	15	12
63	9	10	30	44	44	56	59	58	48	43	34	14	9
64	14	22	26	32	46	52	62	58	53	36	22	16	14
65	* -3	9	19	30	52	54	60	54	54	30	27	25	* -3
66	12	12	25	35	36	50	64	63	53	40	30	14	12
67	10	12	15	37	43	45	58	61	49	39	23	21	10
68	9	10	21	36	43	58	64	59*	53*	35	27	15	9
69	11	18	21	28	44	58	63	61	49	33	21	21	17
70	4	10	23	33	41	58	66	64	49	41	21	22	4
71	14	9	27	35	44	59	64	63	58	51	31	24	9
72	7	19	26	30	49	50	56	59	55	35	27	22	7
73	18	12	28	37	43	56	62	62	54	40	32	21	12
74	21	21	27	35	44	55	65	57	48	32	26	26	21
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

7264 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81  
YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	23	22	23	31	45	58	64	55	56	38	36	20	27
76	14	18	37	35	44	52	60	59	54	34	20	16	14
77	-3	11	29	31	39	51	57	58	55	36	26	16	-3
78	11	15	17	39	40	54	57	65	51	38	32	23	11
79	12	6	24	34	44	52	57	59	54	38	26	19	6
80	21	15	13	31	44	53	65	62	50	37	27	10	12
81	7												
MEAN	13.9	15.7	24.3	34.0	44.4	54.4	61.7	60.9	52.1	39.3	27.3	18.8	11.6
S.D.	6.185	5.810	4.921	3.481	3.460	3.314	3.060	2.906	3.534	4.498	5.284	4.547	5.377
TOTAL OBS	1115	989	1116	1080	1116	1080	1116	1116	1079	1115	1079	1115	13116

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF/ETAC

FORM JUL 64

0-88-5 (OLA)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)

AD-A116 097

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC (11)  
MAY 82

UNCLASSIFIED

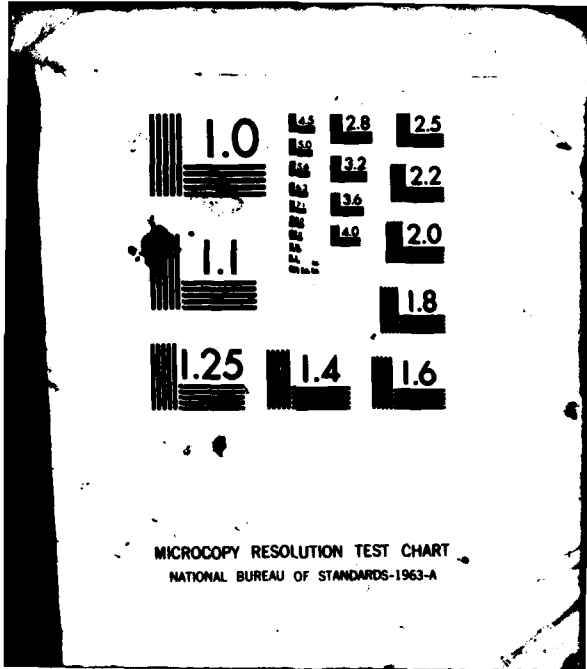
USAFETAC/DS-82/029

S81-AD-E850 174

NL

4 5

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





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 74-81 JAN

PAGE 1 0300-0500  
FORM 1 (1-5-71)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point						
62/ 61	.1		.1																			2	2	1	1	
60/ 59	.1																					1	1	1	1	
58/ 57	.3	.1		.3																		5	5	3	2	
56/ 55		.4	.4																			6	6	1	1	
54/ 53		.8	.3																			8	8	4	3	
52/ 51		.5				.3																6	6	11	3	
50/ 49		1.2			.7																	14	14	12	11	
48/ 47		1.6	.4	.1	.1																	17	17	4	12	
46/ 45		.9	.8	.3	.3																	17	17	13	5	
44/ 43	.8	.9	.5		.1																	18	18	16	10	
42/ 41	.8	2.2	.9	.8	.1																	36	36	30	9	
40/ 39	1.2	1.6	.7	.9																		30	30	27	25	
38/ 37	2.2	2.7	2.3	1.2																		62	62	41	28	
36/ 35	1.1	3.8	2.8	1.9																		71	71	46	37	
34/ 33	1.5	4.3	3.7	.9																		77	77	71	31	
32/ 31	.9	3.9	3.1	1.4																		69	70	68	53	
30/ 29	.9	2.0	2.7	.3																		44	44	63	44	
28/ 27	.7	3.8	2.0	.7																		53	53	53	51	
26/ 25	.3	3.0	2.4	.1																		43	43	56	41	
24/ 23		2.0	3.1																			38	38	51	22	
22/ 21		1.1	2.7																			28	28	48	51	
20/ 19		.9	2.2																			23	23	28	56	
18/ 17		1.8	.8																			19	19	19	38	
16/ 15	.1	1.8	.5																			18	18	26	29	
14/ 13	.3	1.1	.4																			13	13	23	24	
12/ 11	.3	.5																				6	6	13	28	
10/ 9		.4																				3	3	6	22	
8/ 7		.1																				1	1	1	16	
6/ 5		.3																				2	2	1	19	
4/ 3		.3																				2	2	3	13	
2/ 1	.3																					2	2	3	17	
0/ -1	.1																					1	1	1	9	
-2/ -3	.6																					3	3	3	6	
-4/ -5																									2	
Station (N)	E <sub>1</sub>		E <sub>2</sub>		E		E <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.											≤ 6 F	≤ 20 F	≤ 67 F	≤ 70 F	≤ 80 F	≤ 90 F										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM 0-26-5 (OL A)  
WEATHER SERVICE BRANCH OF THE ROYAL AIR FORCE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724090 PATUXENT RIVER NAS MD  
STATION STATION NAME

74-81  
YEARS

JAN  
MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
-6/-7																																				9
-5/-4																																			9	
TOTAL	12.5	4.3	3.1	8.5	1.4	.3												7.38	7.39		7.38															

Station (H)	1	2	3	4	No. Obs.	Mean No. of Hours with Temperature						Total
Dry Bulb	221757	22000	22000	22000	728	+69 F	+68 F	+67 F	+66 F	+65 F	+64 F	93
Wet Bulb	22000	22000	22000	22000	728	+68 F	+67 F	+66 F	+65 F	+64 F	+63 F	93
Wet Point	22000	22000	22000	22000	728	+68 F	+67 F	+66 F	+65 F	+64 F	+63 F	93

UNAF/TAC Form 6-26-5 (M.L.A.) - Based on Form 6-26-5 (M.L.A.)



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

72404U PATUXENI RIVER NAS MD  
STATION STATION NAME

74-81  
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					
64/ 63		.4																3	3						
62/ 61																				3	2				
60/ 59		.3																2	2	1	1				
58/ 57			.1															1	1	1	2				
56/ 55			.1															1	1						
54/ 53		1.0	.1															8	8	1					
52/ 51		.7		.3														7	7	9	5				
50/ 49	.1	.7			.1													7	7	6	9				
48/ 47	.3	.7	.4	.1	.4													14	14	9	7				
46/ 45	1.0	1.4	.4	.4	.5													27	27	17	12				
44/ 43	.1	.8	1.0	.1	.3													17	17	11	9				
42/ 41	.8	2.2	.3	.7														29	29	21	15				
40/ 39	1.2	1.8	1.2	1.8	.1													45	45	40	16				
38/ 37	1.6	4.0	1.9	1.5														66	66	39	33				
36/ 35	1.4	2.3	2.0	1.8														55	55	56	39				
34/ 33	1.8	4.1	2.7	1.6	.1													76	76	64	26				
32/ 31	1.0	4.9	4.8	1.2														87	88	58	51				
30/ 29	.8	1.9	2.3	.3														39	39	81	48				
28/ 27	.8	2.2	2.3	.1														40	40	58	43				
26/ 25	.1	2.7	2.5	.4														42	42	44	48				
24/ 23	.1	2.3	2.5	.1														37	37	41	21				
22/ 21	.3	1.9	1.6															28	28	48	42				
20/ 19		1.6	1.5															23	23	30	68				
18/ 17		2.0	1.4															25	25	18	41				
16/ 15	.1	1.4	.7															16	16	27	21				
14/ 13		.7	.5															9	9	14	35				
12/ 11	.4	1.1																11	12	12	30				
10/ 9		1.0																7	7	15	23				
8/ 7																				3	18				
6/ 5		.3																2	2		10				
4/ 3																				2	17				
2/ 1		.3																2	2		12				
0/ -1	.4																	3	3	5	4				
-2/ -3	.3																	4	4	4	9				
Skinner (H)		2 <sup>H</sup>																Mean No. of Hours with Temperature							
Rel. Hum.																		≤ 8 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) CHECK NEAREST DIVISION OF THE YEAR ALL OCCURE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 79-81 YEARS JAN 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																					7
-6 / -7																					7
-8 / -9																					2
<b>TOTAL</b>	<b>13.0</b>	<b>89.5</b>	<b>30.9</b>	<b>10.5</b>	<b>1.6</b>													<b>733</b>	<b>733</b>	<b>733</b>	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\bar{X}^2$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4188949	58163	73.915	5462.971	733	≤ 6 F	≥ 22 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F										
Dry Bulb	806620	23169	31.587	1000.219	733	0.9	47.7					93									
Wet Bulb	699443	21391	29.210	853.135	733	1.1	58.9					93									
Dew Point	520963	17388	23.722	562.731	733	3.7	70.7					93									

FORM 0-26-5 (01.A) REVISED NOVEMBER 1959 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD 74-81 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	Wet Bulb	Dew Point															
70/ 69				.1																												1	1		
60/ 61			.1	.1																												1	1		
66/ 65			.1					.1																								2	2		
64/ 63		.1																														1	1	3	
62/ 61		.3																														2	2	2	
60/ 59				.1	.1																											2	2	1	
58/ 57		.1	.4	.3																												6	6	2	
50/ 55		.5	.1			.1	.1																									7	7	1	
54/ 53		.5	.3	.5			.1																									11	11	9	
52/ 51	.1	.5	.4	.5	.1	.1																										14	14	7	
50/ 49	.4	.3	.4	.1	.7	.1	.1																									16	16	10	
48/ 47	.1	1.1	.3	.8	1.0																											24	24	15	
46/ 45	.1	1.4	.8	.7	.7	.4																										30	30	18	
44/ 43	.4	1.2	.8	1.2	.8	.4																										36	36	17	
42/ 41	.7	2.2	.5	2.9	1.4																											56	56	35	
40/ 39	2.1	2.2	1.9	2.3	.8																											68	68	53	
38/ 37	.8	2.2	1.6	2.7	1.0																											61	61	50	
36/ 35	1.5	2.3	2.5	2.6	.3																											67	67	64	
34/ 33	1.0	1.8	2.6	2.3	.3																											58	58	63	
32/ 31	.8	2.6	2.2	5.2	.4																											67	68	72	
30/ 29	.5	.8	2.2	1.8	.1																											40	40	60	
28/ 27	.1	1.4	3.3	1.5																												46	46	42	
26/ 25	.1	1.1	2.3	.5																												30	30	48	
24/ 23	.1	.8	1.6	.3																												19	19	51	
22/ 21	.3	.3	1.6	.3																												18	18	34	
20/ 19		.1	2.3																													18	18	19	
18/ 17		.7	.5																													9	9	16	
16/ 15		.1	.8																													7	7	14	
14/ 13		.3	.4																													5	6	6	
12/ 11		.4																														3	4	8	
10/ 9																																5	5	23	
0/ 1		.5																														2	2	20	
0/ 5		.1																														1	1	2	
4/ 3																																1	1	12	
Element (X)	Σx'	Σx	Σ	Σ	Mo. 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																																			

FORM NO. 44  
 0-26-5 (01 A)  
 USE PREVIOUS EDITIONS OF THIS FORM AND COVER

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PATUXENT RIVER NAS MD  
 STATION STATION NAME

74-81

YEARS

JAN  
 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																																																															
27 1		.1																1	1	8																																																																
17 -1																				9																																																																
-27 -3																				6																																																																
-47 -5																				5																																																																
-87 -9																				2																																																																
-107 -11																				3																																																																
<b>TOTAL</b>	9.3	26.1	30.2	25.0	7.8	1.5	.1										729	732	729																																																																	
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>2x'</th> <th>2x</th> <th>X</th> <th>%</th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th>Rel. Hum.</th> <td>35200.7</td> <td>48821</td> <td>67.0</td> <td>18.580</td> <td>729</td> <th>≤ 6 F</th> <th>≤ 32 F</th> <th>≤ 67 F</th> <th>≤ 73 F</th> <th>≤ 80 F</th> <th>≤ 93 F</th> <td></td> </tr> <tr> <th>Dry Bulb</th> <td>996903</td> <td>26051</td> <td>35.6</td> <td>9.770</td> <td>732</td> <td></td> <td>34.2</td> <td>.3</td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <th>Wet Bulb</th> <td>819440</td> <td>23429</td> <td>32.1</td> <td>9.579</td> <td>729</td> <td>.1</td> <td>48.3</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <th>Dew Point</th> <td>578708</td> <td>18206</td> <td>25.0</td> <td>3.053</td> <td>729</td> <td>3.2</td> <td>66.7</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> </thead> </table>																					Element (X)	2x'	2x	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	Rel. Hum.	35200.7	48821	67.0	18.580	729	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		Dry Bulb	996903	26051	35.6	9.770	732		34.2	.3				93	Wet Bulb	819440	23429	32.1	9.579	729	.1	48.3					93	Dew Point	578708	18206	25.0	3.053	729	3.2	66.7					93
Element (X)	2x'	2x	X	%	No. Obs.	Mean No. of Hours with Temperature					Total																																																																									
Rel. Hum.	35200.7	48821	67.0	18.580	729	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																																																																									
Dry Bulb	996903	26051	35.6	9.770	732		34.2	.3				93																																																																								
Wet Bulb	819440	23429	32.1	9.579	729	.1	48.3					93																																																																								
Dew Point	578708	18206	25.0	3.053	729	3.2	66.7					93																																																																								

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

74-81

JAN

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	O.S./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73								.3										2	2																
74/ 71					.1		.3											3	3																
70/ 69							.1											1	1																
68/ 67			.1															1	1																
66/ 65			.1			.3												3	3																
64/ 63					.1													1	1	3															
62/ 61		.1			.3	.1												4	4	2	2														
60/ 59				.1	.4	.3												6	6	4	1														
58/ 57		.5		.1	.1	.6	.3											10	10	1	2														
56/ 55		.4		.4	.6	.6	.1											15	15	7															
54/ 53		.1	.1	.1	1.0	.4	.3											15	15	7	4														
52/ 51		.1	.6	.1	.1	.7	.4											15	15	3	4														
50/ 49	.8	.6	.8	.6	.3	1.0												29	29	15	13														
48/ 47	.3	.7	.8	.7	1.7	.6	.3											36	37	22	11														
46/ 45	.4	.7	1.2	.7	1.0	1.8	.1											43	43	27	12														
44/ 43	.4	1.5	1.4	2.2	3.0	1.0												69	69	50	12														
42/ 41	1.1	1.1	1.2	2.1	2.2	.4												59	59	43	25														
40/ 39		.6	1.2	.7	2.3	.4												38	38	44	27														
38/ 37	.1	1.9	1.9	1.8	.8	.1												49	49	41	23														
36/ 35	1.0	1.7	2.8	1.9	1.1													61	61	81	35														
34/ 33	.4	2.2	2.6	2.8	1.7													70	70	64	27														
32/ 31	.6	1.9	2.3	2.8	2.9													73	73	71	43														
30/ 29	.3	.6	1.2	2.1	.8													36	36	57	41														
28/ 27		.7	1.0	1.8														25	25	48	53														
26/ 25		.4	1.9	1.4														27	27	48	43														
24/ 23		.1	.8	.3														9	9	46	30														
22/ 21		.5	.7	.1														8	8	23	35														
20/ 19	.1		.7	.1														7	7	16	56														
18/ 17		.1	.7															6	7	8	42														
16/ 15		.1	.3															3	3	6	32														
14/ 13																				6	25														
12/ 11			.1															1	1	1	22														
10/ 9		.5																2	2		36														
8/ 7																				3	17														
Element (R)	$\Sigma H^1$	$\Sigma H$	$\bar{H}$	$C_a$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-36-5 (01 A) REVISED FEBRUARY 1965 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 PATUXENT RIVER NAS MD  
 STATION STATION NAME

74-81  
 YEARS

JAN  
 MONTH

PAGE 4 1200-1800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)															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																					14
4/ 3																					8
2/ 1																					15
0/ -1																					4
-2/ -3																					6
-4/ -5																					2
-6/ -7																					3
-8/ -9																					2
<b>TOTAL</b>	<b>5.5</b>	<b>16.5</b>	<b>24.8</b>	<b>22.8</b>	<b>20.1</b>	<b>8.1</b>	<b>1.9</b>	<b>.3</b>										<b>727</b>	<b>729</b>	<b>727</b>	

Element (X)	$\Sigma H^2$	$\Sigma X$	$\Sigma X^2$	$\Sigma X^3$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Rel. Hum.	288497	43559	59.9	9.466	727							93
Dry Bulb	1168206	20252	30.8	9.028	727		25.3		.9	.3		93
Wet Bulb	895393	24633	33.9	9.158	727		42.6					93
Dew Point	569181	18098	24.9	2.792	727	2.2	67.7					93

USAFETAC FORM 0-24-5 (O.L.A.) REVERSE SIDE OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

74-81

JAN  
 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												.1																					1	1			
74/ 73												.8																					6	6			
72/ 71												.1																					1	1			
68/ 67				.3																													2	2			
66/ 65				.1				.1	.1	.1																							4	4			
64/ 63					.1				.3	.3																							3	3	2		
62/ 61				.1	.1			.3																									4	4	4	2	
60/ 59		.1								.3			.5																				3	3	5	1	
58/ 57	.1	.1	.4	.1	.1	.1		.1																									8	8	4	2	
56/ 55		.4			.8	.1	.1																										11	11	6	2	
54/ 53		.5	.7	.3	.4	.3																											16	16	9	3	
52/ 51	.1	.4	.4	.1	.3	.1		.3				.3																					13	13	7	11	
50/ 49		.3	.4	.4	.8	.4	.3		.3																								19	19	12	8	
48/ 47	.5	.5	.7	.8	1.1	.7	.4																										33	33	17	10	
46/ 45	.5	.7	1.0	.5	1.1	.7	.4																										34	34	17	10	
44/ 43	.3	1.1	1.8	1.2	1.9	.8	.1																										53	53	20	9	
42/ 41	.4	.8	2.9	1.2	2.7	.7																											64	64	38	17	
40/ 39	.4	1.2	1.6	1.4	1.8	.4																											50	51	45	26	
38/ 37	.8	2.5	2.2	2.3	1.0	.1																											65	65	55	32	
36/ 35	.5	2.5	3.4	2.3	1.5	.1																											73	73	63	35	
34/ 33	.7	1.4	1.8	2.3	1.9																												59	59	85	31	
32/ 31	.3	1.9	3.7	2.9	1.1																												72	72	62	44	
30/ 29	.3	1.2	1.8	2.9	.3																												47	48	62	31	
28/ 27	.1	.7	1.1	1.9																													28	28	56	54	
26/ 25	.3		2.1	1.6																													29	29	60	45	
24/ 23		.5	.8																														8	8	36	35	
22/ 21			.8	.5																													10	10	28	37	
20/ 19			.4	.1																													4	4	14	54	
18/ 17		.1	.5																														5	5	9	42	
16/ 15			.3																														2	2	7	31	
14/ 13			.1																														1	1	3	29	
12/ 11			.3																														2	2	1	28	
10/ 9																																			2	2	27
8/ 7																																			1	1	18

FORM 0-26-5 (OL A) AIR WEATHER SERVICE REPORT OF THE FORM AIR OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

144040 PAUXENI RIVER NAS MU 74-81 JAN  
 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
61 5																					14
47 3																					13
27 1																					15
17 -1																					4
-17 -3																					3
-47 -5																					6
-67 -7																					1
<b>TOTAL</b>	4.7	16.7	29.7	23.9	16.8	5.1	1.8	1.8										730	732	730	
																		730		730	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2949948	44260	60.6	19.118	730							
Dry Bulb	1144523	28049	30.3	9.767	732		26.6	1.3	.9			93
Wet Bulb	885075	24533	33.6	9.117	730		43.4					93
Dew Point	566602	18096	24.8	12.724	730	1.8	67.6					93

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF/CIAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
12/ 71							.4											3	3	
04/ 65			.1	.1		.1												3	3	
22/ 61					.3	.1												3	3	
02/ 59		.3	.1			.1												4	4	6 1
55/ 57		.4	.4	.1		.4												10	10	1 1
56/ 55		.4	.1	.1														5	5	8 5
54/ 53		.3	.3	.4		.4												10	10	7 4
22/ 51	.1	.3	.4															6	6	6 9
57/ 49	.1	.4	.1	.1														6	6	6 2
47/ 47	.1	.8	1.0	.3	.1													17	17	12 7
46/ 45	.3	1.9	1.2			.1												26	26	12 10
44/ 43	.8	1.8	1.4	.7	.1	.1												36	36	33 14
42/ 41	.4	1.5	3.2	1.8														50	50	27 30
41/ 39	.4	1.5	1.9	1.2	.7													42	42	31 21
35/ 37	1.1	2.3	2.2	3.0	.1													64	64	47 25
36/ 35	1.2	2.7	3.0	3.0	.5													77	77	58 43
34/ 33	.4	1.6	4.0	2.5	.1													63	63	48 25
32/ 31		3.3	4.8	2.3	.1													77	77	61 34
30/ 29	.8	3.2	3.3	1.6														65	65	90 54
28/ 27		1.5	2.7	2.5														48	48	72 43
27/ 25	.4	1.4	2.5	.8														34	34	50 37
24/ 23		1.0	1.8	.3														22	22	44 39
22/ 21		.3	2.1	.3														19	19	39 44
20/ 19		.7	1.5															16	16	27 56
18/ 17		.7	.4															8	8	13 39
16/ 15		.3	.5															6	6	13 26
14/ 13			.1															1	1	7 30
12/ 11		.3																2	2	2 29
10/ 9		.5																4	4	3 32
8/ 7		.3																2	2	5 21
6/ 5																				1 12
4/ 3																				9
2/ 1																				6
1/ -1																				10
Element (X)	Σ X <sup>2</sup>	Σ X	I	σ <sub>a</sub>	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 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JAN 64

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PAIURENI RIVER NAS MD STATION NAME 74-81 YEARS JAN MONTH

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/ -3																					5
-4/ -5																					8
-6/ -7																					2
TOTAL	6.5	29.2	39.2	21.1	2.2	1.5	.4										729	729	729	729	

Element (X)	Z <sub>g</sub>	Z <sub>R</sub>	X	° <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3553982	49416	67.8	16.751	729	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	953160	25442	34.9	9.466	729		38.8	.9				93
Wet Bulb	789497	23013	31.6	9.308	729		54.5					93
Dew Point	559563	18021	24.7	12.507	729	2.7	67.9					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

74-81  
YEARS

JAN  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
69/ 69						.1	.1											2	2						
62/ 61			.3		.3		.1											5	5						
60/ 59		.1			.3													3	3	2					
58/ 57		.3		.3	.4													7	7	3					
56/ 55		.4	.5			.3												9	9	5					
54/ 53		.5			.1	.4												8	8	4					
52/ 51		.4		.1	.1													5	5	12					
51/ 49	.5	.1	.1															6	6	9					
48/ 47		1.1	.4	.3														13	13	4					
46/ 45	.1	1.2	.3	.1														13	13	12					
44/ 43	.3	3.7	.5	.1														34	34	19					
42/ 41	.3	1.2	3.0	.1														38	38	34					
40/ 39	1.8	1.2	2.2	1.2	.5	.1												52	52	35					
38/ 37	1.1	3.4	2.6	1.4	.5													66	66	41					
36/ 35	1.2	2.9	3.2	1.9														67	67	54					
34/ 33	.3	1.5	4.0	1.6														54	54	57					
32/ 31	.3	4.4	4.0	2.2														79	79	59					
30/ 29	1.4	3.3	3.8	.5														66	67	75					
28/ 27		2.1	2.6	2.2														50	50	61					
26/ 25	.4	1.6	4.4	.5														51	51	64					
24/ 23		.8	2.1	.5														25	25	43					
22/ 21		1.2	1.8															22	22	52					
20/ 19	.4	.5	1.9															21	21	25					
18/ 17		.5	.4															7	7	16					
16/ 15		1.1	.4															11	11	17					
14/ 13		.4	.5															7	7	9					
12/ 11																				6					
11/ 9		.5																4	4	3					
8/ 7		.3																2	2	5					
6/ 5	.1																	1	1	2					
4/ 3	.1																	1	1	1					
2/ 1		.1																1	1	1					
0/ -1																				10					
-2/ -3																				7					

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**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 74-81 YEARS JAN MONTH

PAGE 2 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE-DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-4/-5																					5
-1/-1																					2
-2/-9																					1
TOTAL	8.4	35.2	39.0	13.8	2.3	1.0	.3											731		730	
																	730		730		

Element (X)	$\Sigma H^+$	$\Sigma H^-$	$\bar{H}$	$\sigma_H$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Ref. Num.	370085	51143	70.1	16.488	730							
Dry Bulb	69104	24938	33.6	9.632	731		44.4	.3				93
Wet Bulb	79159	22373	30.6	9.677	730		58.9					93
Dew Point	59556	17746	29.3	2.510	730	3.2	69.4					93

FORM 0-26-5 (OL A) AIR WEATHER SERVICE USE ONLY  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72400U PATUXENT RIVER NAS MD 74-01  
 STATION STATION NAME YEARS

JAN  
 MONTH

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.S./W.S.	TOTAL		
	0	1-2	3-4	5-6	7-8	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
76/ 75								.0										1	1	
74/ 73								.1										8	8	
72/ 71						.0	.0	.0										7	7	
70/ 69				.0	.0	.0	.0	.0										4	4	
68/ 67			.1					.1	.0	.0								4	4	
66/ 65			.1					.1	.0	.0								9	9	
64/ 63		.1	.1	.0	.0	.0	.0	.0	.0	.0								11	11	8
62/ 61	.0	.1	.1	.0	.1	.1	.0	.0										23	23	12
60/ 59	.0	.1	.0	.1	.1	.1	.0	.0	.0									25	25	20
58/ 57	.1	.2	.2	.2	.1	.1	.0	.0										52	52	19
56/ 55	.0	.4	.2	.1	.2	.1	.1	.1										62	62	34
54/ 53	.0	.5	.3	.2	.2	.2	.0	.0										84	84	47
52/ 51	.1	.4	.2	.2	.1	.2	.1	.0										75	75	61
50/ 49	.3	.5	.3	.2	.3	.2	.1	.1										108	108	78
48/ 47	.2	1.0	.5	.4	.6	.2	.1	.1										170	171	94
46/ 45	.3	1.1	.7	.3	.4	.4	.1	.0										198	198	134
44/ 43	.4	1.7	1.0	.7	.8	.3	.0	.0										287	287	156
42/ 41	.6	1.7	1.3	.8	.1													370	370	255
40/ 39	1.0	1.5	1.2	.8	.1													364	365	304
38/ 37	1.2	2.9	1.9	.4	.0													508	508	361
36/ 35	1.1	2.7	2.1	.4	.0													536	536	469
34/ 33	.9	2.4	2.0	.5														518	518	515
32/ 31	.6	3.4	2.1	.5														601	604	518
30/ 29	.7	2.1	1.2	.2														391	393	551
28/ 27	.3	1.8	1.4															334	334	457
26/ 25	.2	1.6	.7															314	315	418
24/ 23	.0	1.1	.2															191	191	354
22/ 21	.1	.8	.2															154	154	320
20/ 19	.1	.6	.0															132	132	179
18/ 17		.8	.7															86	87	125
16/ 15	.0	.7	.6															77	77	116
14/ 13	.0	.5	.3															51	52	82
12/ 11	.1	.4	.1															30	32	61
10/ 9		.4																22	22	41

FORM 0-26-5 (OL A) REVERSE SERVICE BUREAU OF THE PALS AIR CORP  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724090 PATUXENT RIVER NAS MD  
STATION STATION NAME

79-01  
YEARS

JAN  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.S.	TOTAL			
	0	1-2	3-4	5-6	7-8	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/ 1		.2																9	9	20	100
4/ 5	.0	.2																10	10	11	110
4/ 3	.0	.1																4	4	8	87
4/ 1	.0	.1																6	6	5	96
4/ -1	.1																	6	6	9	88
-4/ -3	.1																	7	7	7	87
-4/ -5																					36
-4/ -7																					27
-4/ -9																					11
-11/-11																					3
<b>TOTAL</b>	8.7	31.7	33.0	16.8	6.7	2.2	.6	.3										<b>5849</b>	<b>5861</b>	<b>5809</b>	
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	° <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2910806	398836	68.238,099	5849	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	749										
Dry Bulb	7046736	203110	39.710,103	5861	1.7	309.1	3.0	1.1			799										
Wet Bulb	6296291	103237	31.3 9.749	5849	2.0	417.5					799										
Dew Point	8953328	193139	29.512,750	5849	21.2	598.9					799										

FORM 0-26-5 (01A) ISSUED SEPTEMBER 1965 USE PREVIOUS EDITIONS OF THIS FORM AND COORDINATE

USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124000 PAIXEMT RIVER NAS MD STATION NAME

73-80 YEARS

FEB MONTH

PAGE 2 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point																	
-2/-3																																					4
-4/-5																																					2
-6/-7																																					0
-8/-9																																					1
-10/-11																																					1
-12/-13																																					1
TOTAL	6.4	37.3	37.0	10.6	5.1	2.1	1.0	.4																												668	668

FORM 6-26-3 (OLA) REPRODUCED BY AIR FORCE AIR COMMAND  
USAFETAC

Element (K)	H	N	E	W	No. Obs.	Mo. No. of Hours with Temperature						Total	
	60 F	65 F	67 F	70 F	73 F	75 F							
Rel. Hum.	129	1162	4592	62,826	518	000							84
Dry Bulb	650872	22022	33,720	529	071	63.1							84
Wet Bulb	604979	20307	38,9	9,002	000	69.9							84
Dew Point	67812	1828	23,92	072	000	7.1	62.0						84



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7240RU PAUXENI RIVER NAS MD  
 STATION STATION NAME

73-80  
 YEARS

FEB  
 MONTH

PAGE 1 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
66/65					.3	.1															3	3		
64/63			.1																		1	1		
62/61		.1	.3	.3																	5	5		
60/59					.1	.1	.3	.1													5	5	4	
58/57				.3	.3	.3															7	7	5	
56/55			.1		.4	.1															5	5	1	
54/53			.3	.1	.3	.1	.1														7	7	1	
52/51			1.0	.3	.3																11	11	4	
50/49		.1	.4	.4	.6	.3															13	13	6	
48/47		.4	.4	.7	.1																9	9	18	
46/45	.4	.9	.3	.6	.6	.3															21	21	14	
44/43	.4	.1	.7	.3	.3																13	13	16	
42/41	.4	3.6	.9	.9	.3																41	41	25	
40/39	.1	3.3	.7	.6	.1																33	33	29	
38/37	.1	3.6	1.2	.6	.3																39	40	41	
36/35	.1	3.6	2.7	.9																	53	53	37	
34/33	.4	3.4	3.4	1.0																	56	56	48	
32/31		3.6	2.4	1.2																	48	48	51	
30/29	.3	2.7	3.1	.7	.1																47	47	51	
28/27	1.0	4.5	2.8	.4																	59	60	49	
26/25	.3	2.7	3.9	.6																	50	50	62	
24/23	.6	1.6	2.8																		34	34	40	
22/21	.1	2.4	1.0																		24	24	54	
20/19	.6	1.9	2.7																		35	35	37	
18/17		1.8	.6																		14	14	17	
16/15	.3	.9																			8	8	25	
14/13		1.6	.4																		14	14	9	
12/11		.5	.7																		7	7	11	
10/9			.1																		1	1	4	
8/7		.3	.1																		3	3	7	
6/5																							2	
4/3																								
2/1																								
0/-1																								
Elevation (ft)	28'																							
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM NO. 0-26-5 (O-L-A) PREVIOUS EDITIONS ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS FEB MONTH

PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/-3																					4
-6/-7																					3
-8/-9																					2
-10/-11																					1
-12/-13																					1
-14/-15																					2
Total	6.1	4.3	9.3	3.4	10.2	4.3	1.5	.4	.1								668	670	668	668	

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3886433	47089	70.5	15.829	668							668
Dry Bulb	789746	21868	32.6	10.658	670		43.5					668
Wet Bulb	656519	19867	29.7	9.921	668		52.7					668
Dew Point	47089	19729	23.5	12.285	668	2.4	63.6					668

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

149040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

FEB  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
67/65			.1		.1													2	2																	
64/63			.1	.3	.1													4	4																	
62/61			.1	.1														2	2	1																
61/59							.4											3	3	2	1															
58/57				.5														2	2	3	1															
56/55		.1	.4	.4	.3	.1												10	10	5	2															
54/53	.1	.1	.3	.1		.3												7	7	1	2															
52/51		.6	.6		.1	.1												10	10	8	3															
50/49	.3	.1	.1	.1	.7													10	10	13	9															
48/47	.1	.9	.6	.4	.3													16	16	8	6															
47/45		.7	.4	.7	.4	.1												17	17	11	7															
44/43		1.8	.4	.6	.1													20	20	16	11															
42/41		2.4	.6	.4	.3													25	25	29	15															
41/39	.3	2.4	1.2	.7														31	31	27	19															
38/37	.3	4.2	1.6	.9	.4													50	50	30	23															
36/35	.4	3.1	2.4	.3	.6													46	46	39	27															
34/33	.6	4.3	3.6	.1														58	58	59	33															
32/31	.3	3.1	4.5	.4														56	56	45	39															
30/29	.4	2.2	3.3	.4														43	43	50	42															
28/27	.6	3.1	2.7	.7														48	48	51	41															
26/25	.6	3.6	4.2															56	56	55	35															
24/23		2.4	1.8															28	28	48	35															
22/21	.7	2.7	1.8															35	35	51	34															
21/19	.4	2.7	2.2	.1														37	37	36	46															
18/17		1.8	1.2															15	16	22	40															
16/15	.1	.7	.1															7	7	20	38															
14/13		.7	.1															6	6	9	34															
12/11	.1	1.8	.4															16	16	7	30															
10/9	.1	.1	.1															3	3	14	24															
8/7		.7																5	5	5	18															
6/5																				5	10															
4/3																					12															
2/1																					8															
0/-1																					6															
Element (X)	Σ X'		Σ X		Σ	Σ n		No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	Total																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM NO. 10 0-26-5 (O.L.A.) PREPARED BY AIR FORCE AIR DEVELOPMENT CENTER  
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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS FEB 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/-3																					6
-4/-5																					2
-6/-7																					1
-8/-9																					2
-10/-11																					3
-14/-15																					3
TOTAL	5.0	46.1	55.5	7.0	3.6	.9	.4											668	669	668	

Element (K)	$\Sigma H'$	$\Sigma H$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3572575	47755	71.585	4.20	668							66
Wet Bulb	766952	21488	32.180	7.20	669		49.7					69
Dew Point	473276	15676	23.502	5.71	668	2.9	69.0					69

FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 FEB  
 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
16/ 75								.2										1	1	
12/ 71							.3											2	2	
10/ 69					.2	.2		.2										3	3	
62/ 67						.3												2	2	
76/ 65				.2	.3					.5								6	6	
54/ 63				.3	.2	.2												4	4	
72/ 61			.2		.2	.3	.3	.6										10	10	5
66/ 59		.2		.3	.5	.3	.5	.3										13	13	5
58/ 57			.3		.3		.2	.2										6	6	8 1
56/ 55		.2	.2	.8	.3	.5	.5											15	15	3 4
44/ 53	.2	.3	.3				.6	.3										11	11	10 6
52/ 51		.6	.9	.5	.5	.6	.6											24	24	9 6
50/ 49	.2	.5	.9	.3	.2	.6	.3											19	19	20 8
48/ 47		1.2	.8	.5	1.4	.6	.2											30	30	21 11
46/ 45	.2	1.2	.5	.8	2.4	.9	.3											41	41	24 14
44/ 43		1.5	.5	1.2	1.1	.5												31	31	25 18
42/ 41	.3	.9	.5	1.7	1.4	.3												33	33	28 24
40/ 39	.5	.8	1.5	1.1	1.2	.2												37	37	36 15
37/ 37		1.8	.9	1.7	1.1													36	36	39 14
36/ 35	.3	2.0	1.5	3.5	.6													52	52	49 20
34/ 33	.5	1.7	1.4	2.7	.3													43	43	49 26
32/ 31	.3	2.4	3.0	3.8	.8													68	69	42 34
30/ 29		.3	2.4	2.3														33	33	52 34
28/ 27	.8	1.2	2.3	1.1	.2													40	40	49 43
26/ 25	.8	1.1	3.0	1.1														39	39	57 43
24/ 23		.5	1.4	.3														14	14	45 34
22/ 21		.5	1.2	.2														12	12	32 25
20/ 19		.9	1.1	.2														14	14	19 53
18/ 17		.2	.9															7	7	12 39
16/ 15		.2	.6															5	5	6 33
14/ 13		.2	.6															5	5	8 32
12/ 11																				3 29
10/ 9		.3																2	2	4 30
8/ 7		.2																1	1	2 18
Element (X)	$\Sigma x'$		$\Sigma x$		X		$\sigma_x$		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																				

FORM 0-26-3 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS FEB 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
1/ 5																				1	9
4/ 3																					7
1/ 1																					7
1/ -1																					7
-2/ -3																					4
-4/ -5																					1
-6/ -7																					5
-8/ -9																					3
-1/-11																					1
-1/-17																					1
TOTAL	3.6	20.5	26.7	25.3	12.7	5.3	3.6	1.7	.5									659	660	659	659

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	Y <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2635291	39783	60.4	18.844	659	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1037320	25024	37.9	11.591	660		30.7	1.0	.1			84
Wet Bulb	793020	21834	33.1	10.286	659		42.3					84
Dew Point	503025	16015	24.3	13.153	659	2.8	62.7					84

USAFETAC FORM 0-26-5 (OL A) REPRODUCED SERVICES OF THE FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124114U PAIXENI RIVER NAS MD 73-8U FEB  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
7-1 77									.2	.3								3	3																
76-1 75								.3	.3									4	4																
74-1 73							.2	.5				.2						5	5																
72-1 71									.2	.2	.2	.2						4	4																
71-1 69										.2	.2							2	2																
68-1 67			.2	.2			.5		.2	.2								7	7																
66-1 65				.2	.2	.2		.5	.2									6	6																
64-1 63			.2				.2	.3	.5									7	7																
62-1 61		.2					.2	.5	.5									8	8	9															
60-1 59		.2				.5	.6	.8										13	13	5															
58-1 57		.2		.9	.2	.2	.8	.5	.2									17	17	5															
56-1 55		.3	.6	1.1	.9	.6		.2										24	24	6															
54-1 53	.2	.8	.2	.5	.8	.9	.5	.9										30	30	4															
52-1 51	.2	.5	.2	.2	.3	.5	.8	.2										17	17	20															
50-1 49	.3	.3	.2	.9	.9	1.7	.3											30	30	22															
48-1 47	.9	.8	.8	1.5	.9	.5												34	34	25															
46-1 45	1.1	.5	.3	2.4	.5	.3												33	33	31															
44-1 43	.2	.8	.6	1.1	1.1	1.4												33	33	31															
42-1 41		.5	.6	.9	2.6	1.4												39	39	28															
40-1 39	.2	.9	.9	.6	2.7	.8												40	40	47															
38-1 37	.5	1.2	2.0	1.7	2.0	.3												49	49	43															
36-1 35		1.1	1.9	2.4	2.9	.2												53	53	40															
34-1 33	.2	.9	.9	2.1	1.2													35	35	50															
32-1 31	.3	1.2	2.9	3.6	1.5	.3												65	66	57															
30-1 29	.8	.2	1.2	2.9	.6													37	37	52															
28-1 27	.5	.8	.9	.9														20	20	56															
26-1 25		1.1	1.4	.8														21	21	47															
24-1 23	.2	.5	.2	.5														8	8	42															
22-1 21			.3															2	2	15															
20-1 19			1.2															8	8	6															
18-1 17																			1	7															
16-1 15			.5															3	3	6															
14-1 13																				34															
12-1 11		.5																2	2	3															

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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Element (X)	$\Sigma R^2$	$\Sigma R$	$\Sigma$	$\sigma_s$	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												

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 724040 PATUXENT RIVER NAS MD YEARS 73-80 MONTH FEB  
 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																			
10/ 4		.2																																	1	1	2	22		
11/ 7																																					1	1	21	
6/ 5																																								6
4/ 3																																								11
2/ 1																																								4
0/ -1																																								5
-1/ -3																																								6
-2/ -5																																								1
-3/ -7																																								5
-10/ -11																																								1
TOTAL	5.0	13.6	16.7	20.2	22.0	10.9	5.0	4.8	2.3	.9	.3	.3																								660	662	660	660	

Element (X)	$\sum x'$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2136862	35182	53.3	19.9	660							
Dry Bulb	1242502	27552	41.6	12.0	662		21.4	3.2	1.5			84
Wet Bulb	884731	23259	35.2	9.9	660		37.4					84
Dew Point	497343	16039	24.3	12.7	660	2.3	62.1					84

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724840 PATUXENT RIVER NAS MD

73-80

FEB

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71/ 77								.1	.4									4	4						
16/ 15								.1	.1									2	2						
14/ 75										.5	.1	.1						5	5						
12/ 71							.1											2	2						
71/ 59						.3		.1										3	3						
67/ 67					.1		.1	.3	.1									4	4						
66/ 65			.1		.1			.3	.3	.3								8	8						
14/ 65		.1						.4	.9	.1								11	11						
62/ 61							.3	.1	.7									8	8	6					
61/ 59		.3		.3	.4	.3	.1	.1		.4								14	14	5	2				
58/ 57		.3		.1	.4			.6										10	10	6	2				
56/ 55		.3	.4		.4	.3	.6											14	14	3	2				
44/ 53	.3	.4	.6	.3	.6	.4	.4	.6										25	25	11	7				
42/ 51	.1	.1	.1	.1	1.0	.9	.1											18	18	17	6				
50/ 49		.1	.6	.4	1.3	.7	.1											23	23	16	5				
42/ 47		1.0	.3	.9	2.2	1.6	.6											45	45	25	9				
46/ 45		1.5	1.2	.7	1.0	1.5												40	40	27	8				
44/ 43		.6	.6	1.2	.6	1.5												30	30	32	22				
42/ 41		1.0	.7	1.5	1.8	2.1												48	48	39	9				
40/ 39	.1	1.2	.7	2.2	2.2	.6												48	48	44	21				
36/ 37	.3	1.3	.6	1.8	2.4	.3												45	45	43	17				
36/ 35	.1	.9	1.8	1.6	2.8													49	50	39	33				
34/ 33	.4	1.9	1.2	1.9	1.6													48	48	58	28				
42/ 31		1.3	3.0	2.7	2.7													65	65	62	31				
30/ 29	.9	.9	.7	2.2	.7													37	37	54	30				
26/ 27	.3	1.2	1.6	1.9	.3													33	33	61	59				
20/ 25			.3	.4														5	5	43	40				
24/ 23		.3	.1															3	3	37	28				
22/ 21	.6		.3	.3														8	8	20	47				
20/ 19		.1	.9															7	7	3	51				
18/ 17			.3															2	2	7	33				
16/ 15			.1															1	1	4	30				
14/ 13		.3																2	2	2	40				
12/ 11		.1																1	1	3	37				
Element (X)	Σ X'		Σ X		Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Mean No. of Hours with Temperature							
Rel. Hum.																		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

124114U STATION PAIUAENI RIVER NAS MU STATION NAME 73-8U YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL O.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																
11/ 9																																			1	18
12/ 7																																				21
13/ 5																																				3
14/ 3																																				4
15/ 1																																				9
16/ -1																																				9
17/ -3																																				4
18/ -5																																				3
TOTAL	5.3	15.7	16.6	20.5	23.1	10.6	2.7	2.7	2.4	1.6	.3	.3	.1																					668	669	668

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2295383	36687	54.920	139	668		20.6	2.5	1.4			84
Wet Bulb	1228523	27611	41.311	540	668		37.3					84
Dew Point	885410	23468	35.1	9.558	668		2.0	62.5				84

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72404D  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

YEARS

FEB  
MONTH

PAGE 1 1800-2000  
HOURS (L. J. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																					
74/ 69						.2		.2												2	2																					
67/ 67					.2	.2					.2									3	3																					
66/ 65						.2	.3			.2										4	4																					
64/ 63					.2	.2	.2			.2										4	4																					
62/ 61		.2		.2							.5									5	5																					
60/ 59		.5		.2	.3	.2	.3	.2			.8									10	10	4	1																			
58/ 57		.2			.2	.3		.8												9	9	4	2																			
56/ 55		.2	.2		.3	.2	.8		.2											11	11	4	2																			
54/ 53	.2	.6	.2		.2	.2		.2		.2										9	9	8	3																			
52/ 51		.3	.9	.3	.3	.2	.3													15	15	9	7																			
50/ 49		.6	.2	.5		.5	.2													12	12	5	1																			
48/ 47	.2	.5	.8	.5	.8	.5														20	20	21	11																			
46/ 45		1.5	.9	.9	.6	.6														30	30	21	11																			
44/ 43	.6	1.5	1.8	1.5	.5															39	39	26	16																			
42/ 41	.2	1.5	2.0	1.4	.8	.2														39	39	27	14																			
40/ 39	.5	2.4	1.8	2.7	.5															52	52	50	20																			
38/ 37	.2	2.3	1.4	1.8	.8															42	42	43	25																			
36/ 35	.3	.5	3.0	3.2	.2															47	47	38	33																			
34/ 33	.5	3.0	1.8	2.7	.2															54	54	47	28																			
32/ 31		2.1	3.3	3.5	.6															63	63	49	29																			
30/ 29	.6	1.8	3.6	3.3																62	62	59	32																			
28/ 27	.5	1.5	2.9	2.6																49	49	55	57																			
26/ 25	.2	1.7	2.7	1.4																39	40	68	66																			
24/ 23		.8	.8	.3																12	12	50	38																			
22/ 21	.2	.5	.5	.2																8	8	37	26																			
20/ 19	.3	.8	.6	.5																14	14	13	49																			
18/ 17			.6	.2																5	5	9	38																			
16/ 15	.2	.2	.3																	4	4	8	42																			
14/ 13		.2	.2																	2	2	6	32																			
12/ 11																						3	32																			
10/ 9																						1	16																			
8/ 7																							16																			
6/ 5																							11																			
4/ 3																							2																			
Element (X)	Σx'	Σx		Σ	Σ <sub>n</sub>	No. Obs.																Mean No. of Hours with Temperature																				
Rel. Hum.						± 6 F						± 32 F						± 67 F						± 73 F						± 80 F						± 93 F						Total
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

12400U PAIXENT RIVER NAS MD 73-00 FEB 1800-2000  
 STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000  
 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				
27 1																								3
27 -1																								7
-27 -3																								4
-47 -5																								4
-67 -7																								2
-87 -9																								2
-107 -11																								2
-147 -15																								1
TOTAL	4.224	0.800	1.127	0.62	3.2	2.0	1.7	.3	.2	.2										665	666	665	665	

FORM 0-20-S (O.L.A.) REPRODUCED BY AUTHORITY OF THE SECRETARY OF THE AIR FORCE

Element (K)	ΣK²	ΣK	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	ΣK²	ΣK	Σ	Σ	No. Obs.	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2903331	42173	62.938	563	665		32.7	46				89
Wet Bulb	975230	24548	36.940	290	665			48.2				89
Dew Point	766977	21721	32.7	9.306	665					2.8	62.0	89
ΣK²	503535	16355	20.602	152	665							89

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724080 PATUXENT RIVER NAS MD

73-80

YEARS

FEB

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63					.5	.3	.2	.2										7	7																
62/ 61				.2			.3	.2										4	4																
61/ 59		.3		.2			.5	.2										7	7	1															
58/ 57				.8	.3	.6	.3	.6										17	17	2	2														
56/ 55		.2	.3	.6		.3	.9											15	15	3															
54/ 53		.2	.5		.3	.2	.2											8	8	5															
52/ 51	.2	.2	.3	.3	.2	.5	.3											12	12	12	4														
50/ 49		.3		.2	.2	.2												5	5	11	4														
46/ 47	.2	.8	.6	.5		.2												14	14	18	11														
46/ 45	.2	1.5	.3	.6	.5	.3												22	22	19	15														
44/ 43	.5	2.1	.9	1.4	.3													34	34	29	17														
42/ 41	.2	1.7	2.3	1.4	.6													40	40	21	10														
40/ 39	.3	2.1	2.4	1.5		.3												44	44	28	22														
38/ 37	.9	2.7	2.1	.9	.3													46	46	53	23														
36/ 35		1.8	2.1	.9	.2													33	33	45	33														
34/ 33	.6	2.1	3.5	.6														45	45	45	35														
32/ 31		3.3	4.5	2.6														69	69	36	32														
31/ 29	.6	2.4	5.4	1.8														68	68	56	38														
28/ 27	.6	1.4	2.3	1.8														40	40	54	61														
28/ 25	.5	1.8	2.9	.6														37	37	64	33														
24/ 23		1.8	2.4	.5														31	31	46	32														
22/ 21		2.4	.9	.5														25	25	43	38														
20/ 19	.5	2.0	.8															21	21	35	37														
18/ 17		.3	.9															8	8	16	39														
18/ 15			1.2															8	8	5	34														
14/ 13			.3															2	2	9	49														
12/ 11			.2															1	1	4	26														
10/ 9		.3																2	2	2	15														
8/ 7																				3	13														
6/ 5																					9														
4/ 3																					6														
2/ 1																					6														
0/ -1																					8														
-2/ -3																					1														

Element (X)	Σ <sub>g</sub>	Σ <sub>h</sub>	Σ	° <sub>s</sub>	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												

FORM 0-26-5 (01-A) AIR WEATHER SERVICE USE ONLY  
 USAF/TAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124000 PATUXENT RIVER NAS MD 73-00 FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
-4/ -5																																							3
-6/ -7																																						2	
-8/ -9																																						5	
VIAL	9.8	31.9	36.8	37.9	3.6	2.7	2.5	1.1																							665	665	665						
																																665		665					
Element (X)											Z <sub>g</sub> '	Z <sub>g</sub>	Y	%	No. Obs.	Mean No. of Hours with Temperature					Total																		
Rel. Hum.											3187523	49587	67.0	7.270	665	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	64																	
Dry Bulb											895698	23366	35.1	80.606	665						84																		
Wet Bulb											723225	20983	31.6	9.596	665						84																		
Dew Point											497786	16308	24.5	2.159	665	2.7	61.8						84																

USAFETAC FORM NO. 0-26-5 (OLA) REVISIONS BEHIND OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124000 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

FEB  
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
76/ 77									.0	.1								7	7						
76/ 75								.1	.1	.0								7	7						
74/ 73							.0	.1	.0	.0	.0	.0						10	10						
74/ 71							.1	.0	.0	.0	.0							8	8						
70/ 69					.0	.1	.1	.1	.0	.0	.0							10	10						
68/ 67				.0	.0	.1	.1	.0	.0	.0	.0							16	16						
66/ 65			.0	.0	.2	.1	.0	.1	.1	.1								31	31						
64/ 63		.0	.1	.1	.1	.1	.1	.1	.2	.0								40	40						
62/ 61		.1	.1	.1	.0	.0	.1	.2	.2									45	45	19					
61/ 59		.2	.0	.2	.2	.2	.4	.3	.1	.1								73	73	25					
58/ 57		.1	.1	.2	.3	.2	.1	.4	.0	.0								75	75	37					
58/ 55		.2	.2	.4	.4	.3	.4	.0										102	102	25					
54/ 53	.1	.3	.3	.2	.3	.3	.3	.2										111	111	43					
52/ 51	.1	.3	.6	.2	.4	.4	.3	.0										122	122	63					
50/ 49	.1	.3	.3	.4	.5	.5	.2											125	125	106					
48/ 47	.1	.0	.5	.5	.7	.6	.2	.0										176	176	187					
46/ 45	.1	1.2	.5	.6	1.1	.6	.1											226	226	163					
44/ 43	.2	1.2	.8	1.0	.5	.4												224	224	197					
42/ 41	.1	1.7	1.1	1.0	1.0	.5												291	291	212					
40/ 39	.2	2.0	1.3	1.4	.9	.2												320	321	294					
38/ 37	.4	2.6	1.5	1.2	1.0	.1												363	364	340					
36/ 35	.5	2.0	2.3	1.7	.9	.0												377	378	325					
34/ 33	.5	2.4	2.3	1.9	.4													378	378	407					
32/ 31	.1	2.6	3.3	2.4	.7	.0												487	490	381					
30/ 29	.5	1.8	3.0	1.9	.2													389	389	425					
28/ 27	.7	2.1	2.4	1.3	.1													351	352	423					
26/ 25	.4	1.8	2.8	.7														300	302	462					
24/ 23	.1	1.1	1.4	.2														152	152	367					
22/ 21	.5	1.2	1.0	.1														140	140	296					
20/ 19	.5	1.4	1.4	.1														168	168	174					
18/ 17	.0	.5	.6	.0														60	62	116					
16/ 15	.1	.3	.5															50	50	89					
14/ 13		.4	.3															39	39	48					
12/ 11	.0	.3	.2															29	29	64					

FORM 6-26-5 (O.L.A.)  
 USE PREVIOUS EDITIONS OF THIS FORM AND INSTRUCTIONS  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

FEB  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	=31	Dry Bulb	Wet Bulb
10/ 4	.0	.1	.0														10	10	32	176
0/ 1		.6	.0														9	9	21	130
0/ 5																			8	69
0/ 3																				67
0/ 1																				54
0/ -1																				52
-0/ -3																				33
-0/ -5																				16
-0/ -7																				24
-0/ -9																				15
-10/ -11																				9
-10/ -13																				2
-10/ -15																				6
-10/ -17																				1
<b>TOTAL</b>	4.7	29.2	29.1	17.4	10.0	4.6	2.2	1.6	.7	.3	.1	.1	.0				5321	5321	5321	672
																	5321	5321		

Element (K)	Z <sub>1</sub> '	Z <sub>2</sub> '	Z <sub>3</sub> '	Z <sub>4</sub> '	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Ref. Hum.	21550581	339209	43.719.029		5321							
Dry Bulb	7772862	194080	36.481.529		5321		276.3	7.3	3.0			672
Wet Bulb	6042229	171187	32.210.026		5321		369.7					672
Dew Point	3921720	120939	24.212.463		5321	20.0	981.1					672

USAFETAC FORM 0-26-5 (OL.A) AIR WEATHER SERVICE BRANCH OF THE AIR FORCE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION: 124140 PATUXENT RIVER NAS MD YEAR: 73-80 MONTH: MAR  
 PAGE: 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
70/ 77									.1																							1	1		
74/ 73								.3																								2	2		
77/ 71				.1																												1	1		
77/ 69				.1	.5	.1	.1																								7	7			
80/ 67				.1	.3	.5	.3																								9	9			
86/ 65					.5																										4	4	1		
87/ 63		.1	.1		.1	.3																									5	5	2		
87/ 61			.1		.4	.1																									5	5	8		
87/ 59	.1	.4	.8	.4		.4																									16	16	7		
87/ 57		.5	.5	.4																											11	11	9		
87/ 55	.5	.1	.7	.4	.3				.7																						18	18	23		
87/ 53	.4	.5	1.6	.1	1.1	.7																									51	51	12		
87/ 51		1.0	1.5	.5	.5	.4	.1																								30	30	10		
51/ 49	.5	1.8	2.7	1.1	.1	.4																									44	44	34		
47/ 47	1.6	5.3	2.6	2.0	1.0	.5	.3																								98	98	47		
47/ 45	.4	2.6	3.0	1.4	1.5																										65	65	74		
47/ 43		4.2	1.2	2.0	1.8	.1																									69	69	61		
27/ 41	.1	1.8	2.2	1.6	2.3																										59	59	55		
40/ 39	.3	1.2	2.9	2.3	.5																										53	53	57		
38/ 37	1.4	2.2	1.8	1.6	.5																										55	55	75		
30/ 35	.5	2.0	1.5	1.4	.4																										43	43	67		
34/ 33	.5	1.4	.7	1.1	.1																										28	28	51		
52/ 31	.4	1.0	2.2	.7																											31	31	39		
50/ 29		.7	1.8	.4																											21	21	27		
20/ 27		.7	.4	.3																											10	11	32		
25/ 25			.4	.1																											4	4	17		
24/ 23		.3	.3																												4	4	7		
22/ 21		.4	.4																												6	6	8		
77/ 19	.4		.3																												5	5	9		
17/ 17			.1																												1	1	2		
16/ 15																																		2	
14/ 13																																			
12/ 11																																			
11/ 9																																			
Element (X)	Σx'	Σx	Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 8 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM NO. 0-26-5 (OL A) (REVISED JANUARY 1965) (GPO)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724080 PATUXENT RIVER NAS MD 73-80 MAR  
STATION STATION NAME YEARS MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
1																						5															
2																						1															
3																						3															
4																						2															
TOTAL	7.1	27.9	29.1	18.3	11.5	4.2	1.5	.3	.1										736	737	736	736															

Element (K)	Z <sub>g</sub> '	Z <sub>w</sub>	K	°A	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5416954	52160	70.9	17.516	736							93
Dry Bulb	1479228	32284	43.8	9.480	737		10.5	2.5	.4			93
Wet Bulb	1228890	29360	39.9	8.828	736		18.1					93
Dew Point	956536	25224	34.3	1.192	736		40.1					93

FORM 0-26-5 (O.L.A.) AIR WEATHER SERVICE DIVISION OF THE POST AIR OFFICE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR MONTH  
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67/67			.1	.3														3	3		
66/65			.1	.6	.6	.5												11	11		
64/63			.1	.1	.4	.6												9	9	2	
62/61		.3	.6	.1	.1													8	8	3	1
61/59		.7	.4	.1														9	9	8	3
58/57	.3	.4	.1	.3		.3												10	10	15	11
57/55	.5	.4	.4	.3	.4	.1												14	14	17	10
54/53	.5	.8	.6	.7	1.0	.5												26	26	9	9
52/51	.1	2.1	.8	.4	1.1	.1	.1											35	35	15	8
51/49	.3	1.8	1.1	.6	.6	.3	.3											35	35	25	23
48/47	.8	4.6	1.4	1.0	1.1	.4												67	67	43	33
46/45	.8	3.9	1.8	1.5	.6													62	62	62	48
44/43	.1	5.7	1.5	1.7	.8													71	71	56	33
42/41	.8	1.4	3.5	3.2	.7													68	68	61	42
41/39	.4	1.1	1.8	2.1	1.2													48	48	47	50
37/37	.7	3.2	2.1	2.1	.6													62	62	63	35
36/35	.4	2.6	2.2	1.5														49	49	69	36
34/33	1.0	1.7	.4	1.5	.4													36	36	67	53
32/31	.4	2.1	1.2	.4														30	30	36	56
31/29	.1	1.9	2.1	.5														32	32	34	43
28/27		.4	1.2															12	12	35	39
26/25		.1	1.0															8	8	22	40
24/23		.1	.7															6	6	12	25
22/21	.1																	1	1	8	27
20/19	.4		.8															9	9	6	31
18/17		.1	.5															3	3	4	20
17/15																				3	13
14/13																				2	13
11/11																					6
10/9																					5
7/7																					3
6/5																					2
4/3																					4
2/1																					2

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

Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	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												

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PATUXENT RIVER NAS MD  
 STATION STATION NAME

73-80

YEARS

MAR  
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
TOTAL	7.5	35.4	26.2	18.6	9.5	2.3	.4											724	724	724	724															

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	4085365	53023	73.2	16.722	724							
Dry Bulb	1364066	30698	42.4	9.298	724		13.0	.4				93
Wet Bulb	1157356	28202	39.0	9.018	724		20.8					93
Dew Point	923649	24507	33.8	11.408	724		42.3					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724340 PATUXENT RIVER NAS MD 73-80 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
67/ 67			.1	.1		.3												4	4		
66/ 65			.1	.4	.7													9	9		
64/ 63		.1	1.1	.1	.7	.1												16	16	1	
62/ 61		.6	.6	.1	.4													12	12	5	
60/ 59		.4	.4	.4	.1	.1												11	11	10	6
58/ 57		.3	.4		.1	.1												7	7	15	14
56/ 55	.6		.1	.6	.6													13	13	15	11
54/ 53	.4	1.5	.4	.3	.8	.3	.1											28	28	10	9
52/ 51		1.8	1.1	1.0	.7	.1												34	34	20	11
50/ 49		3.5	1.5	1.2	.7													50	50	19	30
48/ 47	1.4	3.6	1.0	1.2	.6	.3												58	58	56	32
46/ 45	.8	3.9	1.1	1.9	1.0	.6												67	67	61	44
44/ 43	.4	4.1	1.5	1.8	.8													63	63	50	37
42/ 41	.8	1.7	2.6	2.5	1.0	.1												63	63	57	46
40/ 39	.8	1.9	2.2	2.8	.6	.1												61	61	52	40
38/ 37	1.0	2.1	2.4	1.9	.6													57	57	65	38
36/ 35	.3	2.4	1.8	1.1	.1													41	41	67	45
34/ 33	.7	1.7	1.2	1.1	.1													35	35	57	46
32/ 31	.7	1.1	.8	1.4														29	29	42	56
30/ 29		1.9	1.4	.3														26	26	27	33
28/ 27		1.1	.8	.1														15	15	31	41
26/ 25		.1	.6															5	5	26	37
24/ 23			.7															5	5	10	29
22/ 21		.1	.1															2	2	5	25
20/ 19	.1	.1	.7															7	7	5	22
18/ 17	.1		.1															2	2	3	10
16/ 15		.1	.5															3	3	6	23
14/ 13																				2	15
12/ 11																					11
10/ 9																					4
8/ 8																					2
6/ 6																					6
TOTAL	8.2	34.2	25.3	20.5	9.5	2.2	.1											723	723	723	723
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4092239	52993	73.3	16.976	723	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	1397209	31033	42.9	9.502	723		12.1	.5				93									
Wet Bulb	1188621	28539	39.5	9.274	723		20.2					93									
Dew Point	953332	24842	34.4	11.755	723		40.4					93									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR 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
16/ 71							.3											2	2	
16/ 73						.1		.1										2	2	
14/ 73					.1	.1				.1								4	4	
12/ 71					.3	1.5	.1	.1										15	15	
11/ 69				.1	.1	.4	.1											6	6	
8/ 67			.3	.4	.1	.5	.1		.1					.1				13	13	
6/ 65			.4	.8	.3	.1	.3	.3	.1									17	17	4
4/ 63			.1	.1	.4	.3	.5	.1	.3									14	14	6
2/ 61				.4	.8	.4	.5	.1										17	17	14 4
60/ 59			.5	.4	.5	.7	.3	.7		.1								24	24	18 5
56/ 57		.4	.7	.5	.7	1.0	.7	.3	.1									32	32	10 10
56/ 55	.4	1.5	1.1	.8	.8	1.2	.4	.4										49	49	28 11
47/ 53		1.4	1.2	1.1	1.6	.7	.8											50	50	28 16
47/ 51	.5	2.2	.7	1.2	1.5	1.2	.7	.1										60	60	38 33
50/ 49	1.0	1.6	1.1	1.1	1.4	1.9	.7											64	64	59 41
46/ 47	1.2	1.5	1.0	1.0	2.3	1.1	.4											62	62	55 53
46/ 45	.5	1.4	1.1	1.2	3.0	1.5												64	64	61 24
44/ 43	.1	1.6	1.6	1.0	2.9	.8												59	59	52 22
42/ 41	.1	1.6	1.6	1.9	1.1	.3												49	49	57 35
46/ 39	.5	.4	.3	1.0	1.0													23	23	71 53
50/ 37	.3	.7	.5	.8	1.2													26	26	64 42
36/ 35	.1	1.2	.1	.7	.5													20	20	47 33
34/ 33	.3	.3		.8	.5													14	14	31 41
32/ 31		.3	.3	1.1	.1													13	13	20 43
30/ 29	.1	.7	.5	.5														14	14	17 32
28/ 27		.7		.3														7	7	20 47
26/ 25			.3	.1														3	3	14 38
24/ 23																				6 31
27/ 21			.3															2	2	3 28
26/ 19		.4	.1															4	4	2 16
17/ 17			.3															2	2	3 19
16/ 15																				1 19
14/ 13																				2 15
12/ 11																				1 6
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	C <sub>x</sub>	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 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

72404U STATION PATUXENT RIVER NAS MD STATION NAME 73-8U 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																			
11/9																																					5			
11/7																																					4			
11/5																																					2			
11/3																																					5			
TOTAL	5.3	17.9	14.2	17.5	21.5	12.4	7.4	2.6	.7	.3	.1																										731	731	731	731

Element (X)	$\Sigma X'$	$\Sigma X^2$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Rel. Hum.	3125975	45469	62.2	20.196	731							
Dry Bulb	1819643	55685	48.8	10.312	731		5.7	5.3	1.0			93
Wet Bulb	1410215	31383	42.9	9.282	731		11.2					93
Dew Point	1014125	25723	35.2	12.217	731		39.2					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PAUXENI RIVER NAS MD 73-80 MAR  
 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
84/ 83																		1	1	
82/ 81													.1	.3				4	4	
81/ 79												.4	.1	.3				6	6	
81/ 77												.1	.1	.1				4	4	
76/ 75												.4	.3	.1				6	6	
74/ 73												.1	.1	.4	.3			7	7	
72/ 71								.3	.5					.1				7	7	
71/ 69								.1	.1					.3	.3			6	6	
68/ 67					.1	.1	.7	.5	.3	.4	.3			.3	.1		19	19	1	
66/ 65				.1	.4	.3	.1	.1	.1	.4	.7						17	17	8	
64/ 63		.1	.3	.4	.3	.4	.3	.8	.5	.3							23	23	3	
62/ 61		.3	.1	.5	1.0	.5	1.1	.4	.3	.1							32	32	22	
60/ 59	.1		.4	.5	1.0	1.1	1.0	.8	.4								39	39	9	5
58/ 57	.3	.4	.5	1.0		1.4	1.2	.5	.4								42	42	23	15
56/ 55		1.4	1.2	1.6	1.1	.8	1.1	1.1	.1								62	62	17	6
54/ 53		1.0	1.1	.5	2.0	2.0	1.2	.5									62	62	42	15
52/ 51	.5	2.2	.8	.7	1.1	2.0	2.2	.4									73	73	46	35
51/ 49	.1	1.9	.7	1.2	2.3	2.3	1.0										70	71	65	36
48/ 47	.1	3.0	.8	.7	3.0	2.2	.7										77	77	72	44
46/ 45	.1	1.0	.7	1.4	1.6	.5	.3										41	41	62	44
44/ 43		1.1	.7	1.1	.3	1.0	.1										31	31	66	30
42/ 41	.1	.1	.5	.5	.8	.4											19	19	72	21
40/ 39	.7	.3	.1	.3	1.4	.4											23	23	72	48
38/ 37	.1			.1	.4	.1											6	6	47	47
36/ 35	.3	.8		.3	.3												12	12	17	20
34/ 33		.1	.1	.8	.3	.1											11	11	23	50
32/ 31		.7	.3	1.4	.1												18	18	14	52
30/ 29		.8		.1													7	7	13	44
28/ 27				.1													1	1	18	40
26/ 25																			11	28
24/ 23																			3	36
22/ 21																				20
20/ 19		.5	.3														6	6		25
18/ 17																				19
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR 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																				2	15
14/ 13																					15
12/ 11																					7
10/ 9																					9
8/ 7																					3
6/ 5																					1
2/ 1																					2
<b>TOTAL</b>	<b>2.6</b>	<b>15.7</b>	<b>8.9</b>	<b>13.9</b>	<b>17.5</b>	<b>16.7</b>	<b>11.6</b>	<b>6.3</b>	<b>3.8</b>	<b>2.9</b>	<b>.1</b>								<b>733</b>		<b>732</b>
																			<b>732</b>		<b>732</b>

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2614181	40921	55.9	21.136	732	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	2067500	38174	52.1	10.417	733	4.1	7.6	3.6	1.3			93
Wet Bulb	1510606	32626	44.6	8.788	732	8.3	.1					93
Dew Point	1006780	25664	35.1	2.897	732	40.1						93

USAFETAC FORM 0-26-5 (OL A) REVISED PERIODIC SERVICES OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1240ND STATION PAUXANI RIVER NAS MD STATION NAME 73-ND YEARS MAR MONTH

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

FORM 0-26-5 (OL A) REVISED PERIODIC TENDERS OF THE FORM AIR OBSOLETE  
 USAFETAC

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								.1	.4	.1								5	5	
80/ 79								.1								.1		5	5	
78/ 77										.3								2	2	
76/ 75										.1	.3							3	3	
74/ 73											.1					.1		1	1	
72/ 71									.1							.3		3	3	
70/ 69				.1	.1	.1	.3	.1	.3									8	8	
68/ 67					.1	.3	.3		.5	.1								10	10	1
66/ 65				.3	.1	.7	.4	.1	.3	.3								16	16	4
64/ 63			.1	.5	.8	.7	.5	.1	.4	.8								30	30	3
62/ 61		.4	.5	.5	.3	.1	.5	1.0	.4	.3								30	30	6
60/ 59		.7	.8	.7	.7	.4	.5	.5										32	32	16
58/ 57	.3	.5	1.0	1.4	.8	1.4	1.5	.7										55	55	18
56/ 55		.8	1.4	1.2	1.4	1.6	1.9	1.1	.1									70	70	23
54/ 53	.3	1.4	1.5	1.0	1.4	2.3	1.9	.7	.1									77	77	46
52/ 51		1.6	1.5	1.0	1.2	2.5	1.6											69	69	43
50/ 49	.4	1.5	1.0	1.2	1.9	2.0	1.0	.7										71	71	59
48/ 47		3.1	.1	1.5	2.3	2.2	.3											70	70	76
46/ 45	.1	1.5	1.0	1.0	1.4	.3	.7											43	44	77
44/ 43		.7	1.1	.8	1.0	1.1												34	34	69
42/ 41	.8	.1	.8	.3	1.0	.3												24	24	82
40/ 39	.1	.3	.5	.1	.4													9	9	71
38/ 37		.1		.4	.8													10	10	54
36/ 35	.4	.5		.4	.8	.1												17	17	28
34/ 33		.1		.5	.3													7	7	17
32/ 31		.4	.4	1.0	.4													16	16	8
30/ 29		.8	.1	.1														8	8	19
28/ 27																				11
26/ 25		.1																1	1	12
24/ 23																				3
22/ 21			.4															3	3	
20/ 19																				3
18/ 17	.3																	2	2	2
16/ 15	.1																	1	1	1
Element (X)	Σ X <sup>2</sup>	Σ X	X	X <sup>2</sup>	Mo. 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																				

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR 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
14/ 15																					12
14/ 11																					9
14/ 9																					8
14/ 7																					2
14/ 5																					1
14/ 3																					2
TOTAL	2.9	14.2	11.9	14.2	17.2	16.4	11.5	5.3	3.3	2.6	.5						732	733	732	732	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Rel. Hum.	2680503	41495	56.7	21.191	732							
Dry Bulb	2029665	37911	51.7	9.702	733		3.9	4.7	2.0	1.0		93
Wet Bulb	1471511	32489	44.4	8.231	732		7.5	.1				93
Dew Point	998690	25672	35.1	11.599	732		39.0					93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124140      PATUXENT RIVER NAS MD  
STATION                                      STATION NAME

73-80  
YEARS

YEARS

MAR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																												
79									.1																				1	1																		
77									.1																				1	1																		
75								.1	.1		.3																		4	4																		
73								.1		.1																		2	2																			
71								.1		.3	.1																	4	4																			
69								.1		.1																		2	2																			
67									.3																			2	2																			
65				.3	.3	.1			.1																			6	6	2																		
63		.1	.4	.1	.1	.1			.1	.1																	9	9	3																			
61		.8	.3	.1	.1	.1			.1	.1	.1																15	15	2																			
59		.4	.5	.5	.5	.5			.4	.1																	19	19	19	3																		
57		.1	.8	1.4	.1	.8			.4	.1	.1																29	29	9	11																		
55		.8	1.2	.7	.5	.5	1.1	.3																			38	38	9	9																		
53		1.5	1.6	1.1	1.1	1.8	.8	.3																			60	60	27	7																		
51		1.2	1.5	1.4	1.2	1.9	.7	.1																			59	59	35	18																		
49	.4	2.6	.8	2.3	2.7	1.1																					73	73	34	29																		
47	.1	2.9	1.8	1.8	1.9	1.4	.5																				76	76	58	47																		
45	.5	3.2	2.3	2.2	2.6	1.2	.1																				87	87	71	39																		
43		2.3	1.5	2.9	1.6	.4																					64	64	76	27																		
41	.7	.8	1.2	2.1	.8	.3																					43	43	84	49																		
39	.1	1.6	2.5	1.0	.8	.1																					45	45	70	40																		
37	.1	.5	.5	1.0	.5																						20	20	84	44																		
35			.5	.8	.5																						12	13	38	40																		
33	.4		.4	.8	.1																						13	13	25	49																		
31		1.1	.7	1.4	.4																						26	26	18	69																		
29		.5	.4	.4																							10	10	22	40																		
27			.1	.1																							2	2	15	47																		
25			.3																								2	2	14	41																		
23			.1																								1	1	7	22																		
21																														3	19																	
19																															13																	
17	.4																										3	3	3	21																		
15																															16																	
13																															10																	
Element (X)	Σ X'																															Σ X	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature												
Rel. Hum.																																				≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																																																
Wet Bulb																																																
Dew Point																																																

FORM 0-26-5 (OL A) REVERSE NUMERICAL ERRORS OF THE FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 MAR  
STATION MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb
11 / 11																				14
11 / 4																				1
5 / 5																				2
4 / 3																				1
TOTAL	2.6	20.7	19.5	22.4	16.1	10.7	4.7	2.2	1.1								728	729	728	

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	X <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Rel. Hum.	5234795	46.15	63.9	19.020	728							
Dry Bulb	1704765	34663	47.5	8.816	729		5.6	2.0	1.0			93
Wet Bulb	1339191	30665	42.1	8.084	728		10.5					93
Dew Point	970677	25355	34.8	10.977	728		40.4					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
16/ 75							.1											1	1																	
14/ 73							.1											1	1																	
12/ 71				.3	.4	.1		.3										8	8																	
10/ 69			.1		.3		.4											6	6																	
8/ 67							.8											6	6																	
6/ 65				.1	.3	.1												4	4	3																
4/ 63		.1	.3	.3	.1		.1											7	7	4	3															
2/ 61		.1	.3	.1			.3											8	8	5																
1/ 59		.3	.3	.1		.5		.1										12	12	7	2															
1/ 57		.4	.4	.5		.3		.1										13	13	19	9															
5/ 55	.1	.7	1.2	.8	.3	.7	.1											29	29	13	12															
4/ 53		1.0	1.4	.7	1.4	.1	.5											37	37	12	9															
2/ 51	.1	1.2	2.0	1.2	.4	1.1	.4											48	48	23	13															
5/ 49	.3	3.3	.8	1.3	1.8	1.2	.3											67	67	44	23															
4/ 47	.7	2.9	3.4	1.9	1.5	.5												80	80	45	37															
4/ 45	.4	4.8	1.6	1.6	1.2	.8												77	77	58	34															
4/ 43	.1	1.4	2.7	2.3	2.6	.1												68	68	75	33															
2/ 41		1.6	2.3	2.3	1.6													58	58	60	36															
4/ 39	.8	2.2	2.0	1.6	.7	.1												55	55	77	47															
3/ 37	1.4	2.0	1.6	1.9	.3	.1												54	54	78	57															
3/ 35		.7	.3	1.2														16	16	71	54															
3/ 33		.8	.8	1.9														22	22	32	42															
2/ 31		1.0	1.1	.8														21	21	25	51															
5/ 29		.5	1.2	1.0														20	20	27	45															
2/ 27		.1	.1	.5														6	6	16	39															
2/ 25			.7															5	5	19	41															
2/ 23			.3															2	2	8	25															
2/ 21																				8	19															
2/ 19	.4																	3	3	3	25															
1/ 17																					21															
1/ 15																					10															
1/ 13																					7															
1/ 11																					9															
1/ 9																					6															

FORM 0-26-5 (O.L.A.) REVERSE APPROXIMATE DEPRESSION OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	Z	σ <sub>X</sub>	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												

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 STATION PAUXENI RIVER NAS MD STATION NAME 73-80 YEARS MAR MONTH  
 PAGE 2 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7																					3			
5																					2			
TOTAL	4.4	25.3	25.3	22.3	12.8	6.0	3.3	.5											734	734	734			

Element (X)	Σ X'	Σ X	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3668904	50258	68.5	17.624	734							
Dry Bulb	1576928	33372	45.5	9.020	734		7.2	2.8	.3			93
Wet Bulb	1287067	30099	41.0	8.487	734		13.4					93
Dew Point	983303	25615	34.9	11.043	734		38.4					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724 140 STATION PATUXENT RIVER NAS MD

73-80 YEARS

MAR MONTH

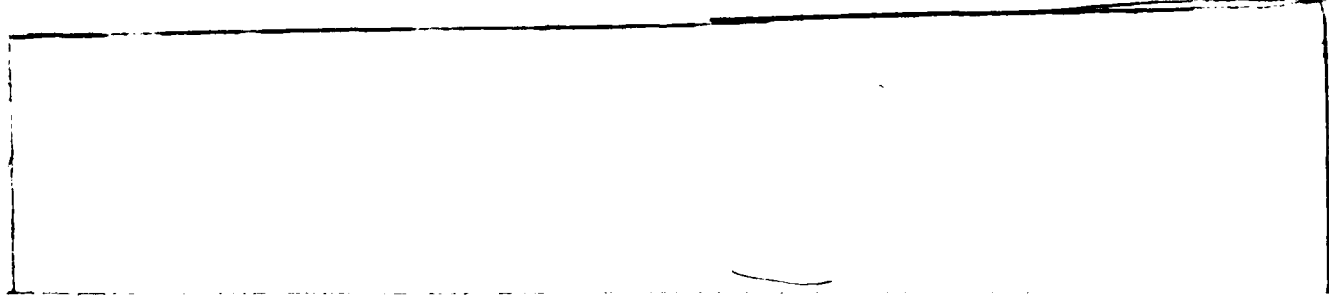
PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
47 63									.01								1	1		
47 61								.01	.01								9	9		
47 79								.1	.01	.01	.01						12	12		
71 77								.1	.01	.01	.01						10	10		
67 75							.01	.01	.1	.1	.1						16	16		
47 73					.01	.01	.01	.1	.1	.01	.01						17	17		
47 71				.1	.1	.1	.3	.1	.1	.01	.01	.01					38	38		
47 69			.01	.1	.1	.1	.1	.1	.01	.01	.01	.01					35	35		
67 67			.1	.1	.1	.3	.3	.1	.1	.1	.01						66	66	2	
67 65			.1	.1	.3	.3	.1	.1	.1	.1							84	84	22	
47 63		.1	.3	.2	.4	.3	.2	.2	.1	.1							113	113	24 3	
47 61		.3	.3	.3	.4	.2	.4	.2	.1	.1							127	127	65 7	
47 59	.01	.3	.3	.4	.3	.3	.2	.3	.1	.01							162	162	100 30	
57 57	.1	.4	.6	.7	.2	.7	.5	.2	.1								199	199	118 84	
57 55	.2	.7	.9	.8	.7	.6	.7	.4	.01								293	293	145 75	
47 53	.2	1.1	1.2	.7	1.3	1.0	.7	.2	.01								371	371	186 93	
47 51	.2	1.7	1.2	.9	1.0	1.2	.7	.1									408	408	230 152	
57 49	.4	2.2	1.1	1.3	1.4	1.2	.4	.1									474	475	341 253	
47 47	.8	3.4	1.5	1.4	1.7	1.1	.3										588	588	452 338	
47 45	.4	2.8	1.6	1.5	1.6	.6	.1										506	507	526 343	
47 43	.1	2.6	1.5	1.7	1.5	.4	.01										459	459	505 254	
47 41	.4	1.1	1.8	1.8	1.2	.2											383	383	528 293	
47 39	.5	1.1	1.5	1.4	.8	.1											317	317	517 360	
57 37	.6	1.4	1.1	1.2	.6	.01											290	290	510 362	
57 35	.3	1.3	.8	.9	.3	.01											210	211	404 308	
57 33	.4	.8	.5	1.0	.2	.01											166	166	303 375	
47 31	.2	.9	.9	1.0	.1												184	184	202 423	
47 29	.01	1.0	.9	.4													138	138	186 319	
47 27		.4	.3	.2													53	54	178 324	
47 25		.1	.4	.01													28	28	135 319	
47 23		.1	.3														18	18	56 222	
47 21	.01	.1	.2														14	14	59 178	
47 19	.2	.1	.3														34	34	28 189	
47 17	.1	.01	.1														13	13	21 153	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of obs with Temperature						Total								
Ref. Num.						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM NO. 44 0-26-3 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

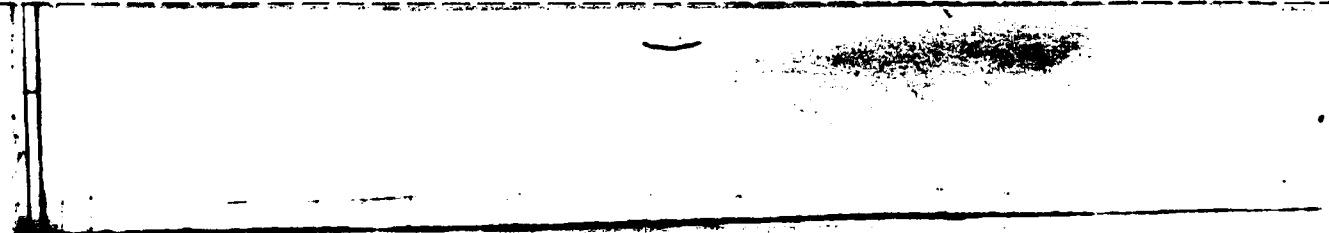
72440 STATION PATUXENT RIVER NAS MD 73-80 YEARS MAH MONTH PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
17 15	.0	.0	.0															4	4	15	126																
15 15																				6	95																
17 11																					66																
17 7																					58																
17 5																					20																
17 5																					11																
17 1																					15																
17 1																					12																
TOTAL	5.1	23.9	20.1	18.5	14.5	8.9	5.1	2.2	1.1	.7	.1						5840	5840	5840	5840																	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Ref. Num.	27418892	382832	65.6	19.946	5840							
Dry Bulb	13439004	273820	46.9	10.211	5844		62.0	26.0	8.3	2.3		744
Wet Bulb	10613057	243363	41.7	8.988	5840		109.8	.3				744
Dew Point	7807072	202602	34.7	11.546	5840		319.8					744

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD 73-80 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0000-0200  
 HOURS (L. S. T.)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/77									.1																							1	1			
76/75								.1																								1	1			
74/73								.1		.1																					2	2				
72/71					.1	.4	.1	.1	.4	.1																					10	10				
71/69			.3	.1	.7																										8	8				
69/67			.1	.3	.1	.7	.1	.1																							11	11				
67/65		.4	.8	.4	1.0	.1	.1																								22	22	5			
64/63		.7	.1	.6	.7	1.0																									22	22	7			
62/61	.1	.4	.4	.6	.6	.1	.1																								17	17	20	10		
60/59		.1	2.7	.4	.8	.3	.4																								14	34	11	13		
57/57	.6	1.3	2.3	.4	.8	.1	.4	.1																							43	43	34	14		
55/55	1.0	2.1	2.0	1.0	.6	1.7	.3																								61	61	48	23		
53/53	.5	1.6	2.8	1.5	1.7	.4	.1																									58	58	47	34	
52/51	.1	1.6	3.0	3.4	2.5	.7																										64	64	56	45	
51/49	.3	2.0	2.4	2.5	3.7	.8																										83	83	59	41	
47/47		1.6	3.1	3.5	1.6	.1																										70	70	58	40	
47/45		1.0	4.2	2.1	1.7	.6																										68	68	78	44	
46/43		.8	1.3	.6	1.1																											27	28	77	44	
42/41		1.0	1.4	1.1	.1																											26	26	90	35	
42/39		1.1	1.3	1.4	.7	.3																										34	34	38	61	
37/37		.3	.1	.8	.4	.1																										13	13	30	70	
36/35		.6	.6	.4																												11	11	35	45	
34/33			.1	.3																												3	3	9	50	
32/31																																			14	43
30/29																																		9	25	
28/27																																	1	2	25	
27/25																																			10	
24/23																																			8	
22/21																																			14	
20/19																																			3	
18/17																																			6	
16/15																																			5	
14/11																																			2	
8/7																																			1	
Element (X)	ΣX'	ΣX	X	σ <sub>x</sub>	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																																				

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PATUXENT RIVER NAS MD 73-80 APR  
 STATION STATION NAME YEARS MONTH

PAGE 2 0000-0200  
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	2.4	16.5	29.9	21.4	19.0	7.3	1.8	1.1	.1	.3								709	711	709	709	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	3472130	48376	68.2	15.558	709							
Dry Bulb	1937764	36676	51.6	8.039	711		.1	4.2	.5			90
Wet Bulb	1581035	33035	46.6	7.685	709		3.2					90
Dew Point	1253788	28970	40.9	9.948	709		17.8					90

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

72440 STATION PATUXENT RIVER NAS MD 73-80 YEARS APR MONTH  
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
71					.1			.3										3	3		
69				.6	.4	.1		.1										9	9		
67				.5	.7		.1											8	8		
65		.4	1.0	.7	.7	.1		.1										22	22	1	
63		.4	.3	.4	.1	.3	.6											15	15	11	
61	.1	.7	.7	1.7	.4													26	26	17	9
59		1.0	.7	.6	.1	.1	.1											19	19	15	12
57	.1	.8	2.0	.3	.7	.1												29	29	29	18
55	.1	1.4	3.7	1.8		.6												54	54	51	14
53	.8	2.5	3.1	1.6	1.4	.1												68	68	44	30
51	.4	1.8	3.5	3.1	2.1	.1												79	79	48	49
49	.3	2.0	2.7	2.0	2.3													65	65	62	44
47		3.0	2.7	2.1	2.3													71	72	49	44
45		3.4	4.0	2.5	1.6													67	67	78	44
43	.1	1.0	3.4	2.4	1.1													57	57	58	45
41	.3	.7	3.0	1.4	.3													40	40	75	47
39	.3	.6	1.4	.7														21	21	66	51
37	.1	.3	1.7	1.0	.3													24	24	44	48
35		.3	1.4	.7	.3													19	19	30	56
33		.3	.4	.6														9	9	21	42
31				.4														3	3	10	54
29																				10	24
27																				9	33
25																					11
23																					14
21																					2
19																					2
17																					8
15																					4
13																					1
11																					2
TOTAL		2.8	18.6	35.6	24.9	15.0	1.7	.8	.6									708	709	708	708
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Ref. Num.	3794185	50511	71.3	4.100	708	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	1823899	35511	50.1	7.998	708			.4	2.5			90									
Wet Bulb	1526473	32397	45.8	7.892	708		3.7					90									
Dew Point	1244197	28843	40.7	9.891	708		19.7					90									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724140 STATION PATUXENT RIVER NAS MD

73-80 YEARS

APR 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
76 / 75					.1												1	1	
74 / 73							.3	.1									3	3	
72 / 71					.1	.1		.1									5	5	
70 / 69			.4	.1	.7	.1	.1										11	11	
68 / 67			.6	.3	1.0	.6	.1										18	18	1
66 / 65		.7	.6	.1	.9	.3	.4										21	21	6
64 / 63	.1	.9	.3	1.0	.4	.3											21	21	13
62 / 61		.7	1.5	1.1	.5	.5	.1										27	27	19
60 / 59	.3	1.4	.7	.7	.6	.9	.6										36	36	23
58 / 57	.1	1.4	1.1	1.1	1.3	.6	.6	.3									46	46	38
56 / 55	.3	1.6	3.0	2.6	1.3	1.1	.1										70	70	32
54 / 53	.9	1.1	3.0	2.0	1.4	1.4											69	69	42
52 / 51	.3	2.0	4.0	1.7	2.4	.4											76	76	54
50 / 49	.1	2.1	1.9	1.9	2.4	.7											64	64	69
48 / 47	.4	1.1	1.7	2.4	3.0	.1											62	63	53
46 / 45		1.6	2.1	2.0	1.3	.1											50	50	61
44 / 43	.1	1.6	1.9	2.1	.6	.1											45	45	56
42 / 41	.1	.7	2.0	1.0	.3												29	29	70
40 / 39		.4	.7	1.1													16	16	55
38 / 37	.1	.3	.1	.9	.5												12	12	37
36 / 35		.1	.7	1.0	.1												14	14	13
34 / 33		.1	.3	.3	.3												5	5	16
32 / 31			.3	.1													3	3	10
30 / 29																			9
28 / 27																			4
26 / 25																			1
24 / 23																			10
22 / 21																			3
20 / 19																			7
18 / 17																			3
16 / 15																			3
14 / 13																			3
12 / 11																			1
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124 1417 PATUXENT RIVER NAS MD STATION

73-80 YEARS

APR 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
TOTAL	3.0	17.9	26.6	23.4	18.8	7.3	2.4	.6										702	703	702	
Element (X)	$\Sigma X'$	$\Sigma X$	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3510305	48401	68.9	15.7	702	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	90									
Dry Bulb	1951465	56599	52.1	8.1	703		4	4.6	5			90									
Wet Bulb	1604147	33089	47.1	7.9	702		3.1	.1				90									
Dew Point	1287486	29196	41.6	10.2	702		17.7					90									

USAFETAC FORM 0-20-5 (O.L.A) REPROD IN VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 MATUXENI RIVER NAS MD STATION NAME

75-80 YEARS

APR 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
48/ 87																.1		1	1	
46/ 85										.1	.1							2	2	
44/ 83						.1				.1	.1	.1						4	4	
42/ 81							.1	.3		.3								5	5	
40/ 79						.1	.3	.4	.1	.1	.4							11	11	
71/ 77							.3	.3	.8	.4								13	13	
76/ 75					.3	.1	.3		.1	.1								7	7	
74/ 73				.1	.3	.7	.8	.3	.1									17	17	1
72/ 71			.6	.3	.4		.1	.4		.1								14	14	
70/ 69		.6	.4	.4	.4	.3	.6	.3	.3									23	24	1
67/ 67		.4	.4	1.4	.7	.7	.7	.8	.4	.3								39	39	10
66/ 65	.4	.1	.4	.7	.6	.8	.3	1.4	.1									35	35	23
64/ 63	.3	.3	.4	.8	1.0	.8	.8	1.1										40	40	29
62/ 61	.7	.8	1.6	1.8	1.0	1.3	2.1	.3										68	68	31
60/ 59	.4	1.0	1.3	1.3	1.1	2.7	1.0											62	62	25
58/ 57	.1	.6	1.0	1.4	2.1	2.4	1.4	.8	.1									71	71	31
56/ 55		1.6	1.0	1.0	1.1	2.0	1.7	.1										60	60	45
54/ 53	.3	1.0	1.3	.6	2.1	2.1	.7	.1										58	58	65
52/ 51		.8	1.8	.1	2.1	1.8	.7											53	53	58
50/ 49		.3	.3	.3	1.8	2.0	.4											36	36	79
48/ 47		.3	.6	.7	.8	.7	.1											23	23	82
46/ 45		1.1	.5	1.0	1.1	.3	.1											28	28	50
44/ 43		.1	.3	1.0	.7	.3	.1											18	18	54
42/ 41	.4		.1	.3	.4													9	9	46
40/ 39			.6	.6														8	8	33
38/ 37			.3															2	2	16
36/ 35																				11
34/ 33																				9
32/ 31																				8
30/ 29																				
28/ 27																				
26/ 25																				
24/ 23																				
22/ 21																				
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	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) REVISION 10-65 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD

73-80 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
20/14																						3												
17/17																						7												
16/15																						3												
13/11																						1												
11/9																						1												
TOTAL	8	16	9	15	33	45	18	9	3	7	8	1	5	7	2	0	1	8	3			707												
																	707		707															

Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2319611	36707	50.7	17.672	707							
Dry Bulb	2503729	41595	58.8	9.210	708			17.9	7.6	2.0		90
Wet Bulb	1828282	35502	50.2	8.032	707		1.0	1.5	.1			90
Dew Point	1287348	29152	41.2	10.993	707		22.0					90

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

APR  
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									
1 / 89																		2	2											
8 / 87										.3								3	3											
16 / 85									.6									6	6											
24 / 83								.3	.1	.1	.8							10	10											
32 / 81								.4	.7	.4	.1							16	16											
40 / 79								.3	.3	.8	.1	.4	.1					11	11											
48 / 77							.1	.3	.1	.8	.1	.1						12	12											
56 / 75					.1	.3	.4	.4	.3									11	11											
64 / 73				.3	.4	.7	.1	.6	.4	.3								20	20											
72 / 71			.7	.3	.6	.1	.4	.1	.6	.1								21	21											
80 / 69		.7	.4	.1	.3	.4	.3	.3	.8	.3								26	26	3										
88 / 67		.6	.6	1.5	.6	.8	1.4	.8	1.5	.3								56	56	15										
96 / 65	.3	.6	.8	.7	.7	1.0	1.3	2.0	.3									54	54	29										
104 / 63	.4	.7	.3	2.3	.6	.6	1.3	2.0										57	57	29	11									
112 / 61	.1	.4	.8	.8	.8	2.1	1.7	1.0										56	56	35	13									
120 / 59	.8	.6	1.3	1.1	1.8	1.5	1.7	.3										65	65	38	13									
128 / 57	.8	.4	.6	1.1	2.5	1.0	1.1	.1										55	55	38	32									
136 / 55	.1	.6	.3	1.1	1.0	2.1	2.5	.6										59	59	49	38									
144 / 53	.3	1.1	.4	.4	.8	1.3	1.1	.7										44	44	52	32									
152 / 51	.6	.6	.3	.8	2.0	1.3	.7											44	44	75	24									
160 / 49	.3	.1	.8	1.5	1.3	.6												33	33	79	49									
168 / 47	.1	.3		1.1	.4	.3												16	16	63	27									
176 / 45		.8	.3	.1	.6	.3	.1											16	16	58	31									
184 / 43	.1	.3	.1	.6	.4	.4												14	14	47	38									
192 / 41		.3		.1														3	3	47	45									
200 / 39																				31	44									
208 / 37																				11	37									
216 / 35																				9	39									
224 / 33																				2	48									
232 / 31																					54									
240 / 29																					52									
248 / 27																					32									
256 / 25																					15									
264 / 23																					4									
Element (X)	Z <sub>g</sub>	Z <sub>g</sub>	Z	Z <sub>g</sub>																										
Rel. Hum.												≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																														
Wet Bulb																														
Dew Point																														

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS APR 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
12/ 21																				8
11/ 19																				12
10/ 17																				11
10/ 15																				3
TOTAL	.6	6.3	6.3	8.9	14.9	16.5	15.2	12.5	10.1	5.1	1.4	1.3	.7	.1			710	710	710	

Element (K)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature				Total		
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 86 F$	$\leq 93 F$	
Rel. Hum.	1922943	35287	49.7	18.367	710							
Dry Bulb	2751693	43677	61.5	9.562	710			24.6	11.9	5.3		90
Wet Bulb	1917871	36477	51.4	7.862	710			2.3				90
Dew Point	1277618	29056	40.9	1.179	710		24.2					90

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

724140 PATUXENT RIVER NAS MD

73-80

APR

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
89																		3	3	
85																		4	4	
83																		9	9	
81																		12	12	
79																		8	8	
77																		6	6	
75																		12	12	
73																		20	20	
71																		27	27	
69																		34	34	1
67																		46	46	9
65																		55	55	22
63																		53	53	27
61																		54	54	36
59																		61	61	36
57																		66	66	42
55																		64	65	48
53																		45	45	52
51																		44	44	78
49																		42	42	77
47																		14	14	80
45																		16	16	82
43																		5	5	82
41																		4	4	89
39																		2	3	84
37																				9
35																				9
33																				3
31																				50
29																				40
27																				23
25																				14
23																				8
21																				10
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	K	e <sub>s</sub>	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) REVERSE METEOROLOGICAL SERVICES OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

71-80

YEARS

APR  
MONTH

PAGE < 100-1700  
HOURS

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. Diff	Wet Bulb	Dew Point																			
70/ 19																																							16
18/ 17																																						3	
16/ 15																																						4	
14/ 11																																						2	
10/ 7																																						1	
TOTAL	6.8	7.9	9.5	15.9	14.0	17.0	22.5	6.7	5.9	2.0	1.0	1.1																										706	706

Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	1-32 F	37 F	73 F	80 F	93 F	
Rel. Hum.	2080862	35559	50.4	18.895	706							
Dry Bulb	2693391	43187	61.0	9.139	706			23.0	9.4	4.3		90
Wet Bulb	1881249	38065	51.1	7.930	706			1.3				90
Dew Point	1254419	28741	40.7	10.940	706			21.8				90

FORM 0-24-3 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124 MD PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

APR  
MONTH

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

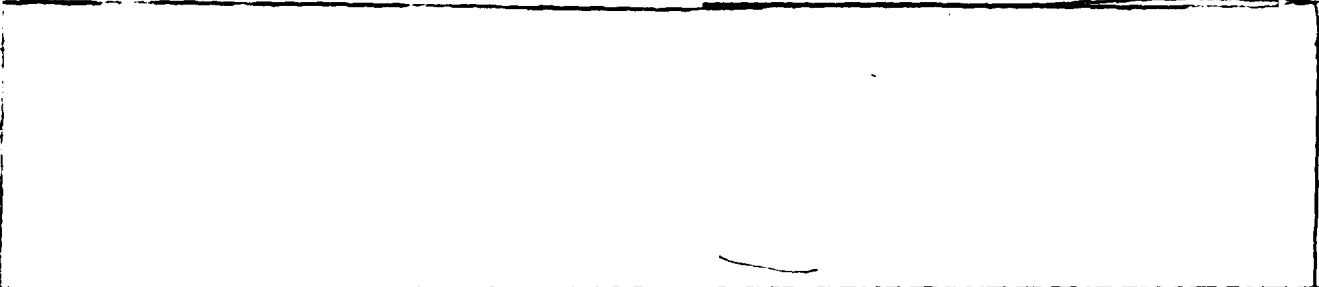
Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
47 53																			.1	.1														3	3			
57 51																	.4				.3	.1												6	6			
77 74													.1					.1			.1	.1											4	4				
77 77													.1						.1															2	2			
107 15												.3	.4	.3	.1																			8	8			
147 15					.1						.9	.5	.1																					10	10			
127 71						.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6	6		
77 69				.1	.4	.6	.4	.2																											15	15		
67 67			.1	.6	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	.6	.4	26	26	1	
167 65		.7	.3	1.0	.6	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	.8	.4	30	30	8	
147 63		.4	.3	.4	.4	1.0	.7	.6	.3	.5	.1																								37	37	25	8
127 61	.1	.6	.4	.7	1.0	1.4	1.3	.9	.4																									48	48	28	14	
127 59	.1	1.4	1.4	.9	.9	1.9	1.6	.4	.1																									61	62	27	5	
127 57		.7	2.2	.6	2.2	2.2	2.7	.4																										75	76	38	21	
57 55	.1	.1	2.9	1.2	.7	2.7	1.2	.1																										63	63	42	32	
47 53	.3	.6	1.9	1.6	2.7	3.7	.9																											81	82	41	24	
27 51		1.2	1.3	2.7	2.3	1.3	.6																											65	65	61	34	
57 47		.7	1.6	1.3	1.9	1.2	.7																											51	51	69	54	
77 47		.6	.6	1.3	1.9	.9						.1																						37	37	69	30	
47 45		.3	1.3	1.3	.4	.9	.4																											32	32	98	33	
47 43		.6	1.0	.3	.3	.4	.1																											19	19	57	31	
27 41			.7		.4																													8	8	57	44	
47 37			.3		.4																													5	5	33	56	
57 37				.3																														2	2	14	55	
77 35																																					12	48
27 33		.1																																1	1	13	60	
27 31																																				2	41	
77 29																																					13	
27 29																																					10	
27 23																																					6	
27 21																																					14	
77 19																																					10	
17 17																																					2	

Element (X)	Σ H'	Σ H	H	σ <sub>H</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) - REVERSE SIDE OF THIS FORM IS OBLIQUE

USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

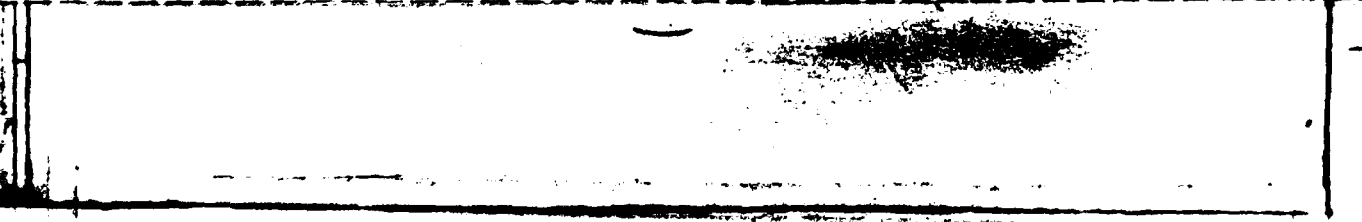
724040 PATUXENT RIVER NAS MD 73-80 APR  
STATION STATION NAME YEARS MONTH

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																								
1 / 10																																												4	
1 / 15																																													2
1 / 11																																													1
1 / 9																																													2
TOTAL		.7	8.5	16.8	14.7	18.7	18.7	12.8	4.3	2.6	1.0	.3	.4	.4																							695	698	695	695					

Element (X)	Z <sub>R</sub> '	Z <sub>R</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2559002	40240	57.9	18.1	695							
Dry Bulb	2286837	39537	56.6	8.2	698			10.3	4.3	1.3		90
Wet Bulb	1710168	34094	49.1	7.3	695		.3	.1				90
Dew Point	1230442	28314	40.7	10.5	695		18.9					90

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/ 74																																	1	1		
74/ 71									.3							.1								.1									3	3		
74/ 73										.1	.1					.3																	4	4		
74/ 73												.3				.6																	6	6		
74/ 71								.4			.1	.7	.1																			10	10			
74/ 69							.3	.1			.3	.1																				6	6			
67/ 67				.1	.4	.9	.6	.6																								18	18			
67/ 65			.1	.1	.7	.1	.3	.1																							11	11	4			
64/ 63		.7	.9	.3	1.0	.1	.1			.1																					23	24	14	2		
62/ 61	.3	.6	.6	1.0	.9	.3	.7	.4																							33	33	15	8		
59/ 59	.9	1.3	1.6	1.6	.3	.3	.6	.4																							48	48	26	16		
58/ 57	.4	1.6	1.4	1.0	1.0	1.1	.9			.1																					53	53	39	22		
57/ 55		1.4	2.1	1.6	1.6	2.1	.4			.1																					66	66	46	14		
54/ 53	.5	1.3	3.8	2.4	1.7	1.4	.5																								79	79	41	34		
52/ 51		1.3	2.1	2.0	3.0	2.0	.1																								74	74	41	38		
51/ 49	.4	1.0	1.9	3.3	2.6	1.0																									71	71	71	50		
47/ 47		1.0	2.4	3.4	1.9	.7																									66	66	58	41		
47/ 45		.7	2.7	2.1	.7	.3																									46	47	77	40		
44/ 43		1.4	1.3	.7	1.1	.4	.1																								36	36	81	35		
42/ 41		.3	1.3	.6	.9	.5																									23	23	88	34		
41/ 39		.1	.7	.4	.6	.1																									14	14	34	62		
37/ 37		.1	.1	.6	.1																										7	7	19	70		
35/ 35			.1	.3	.1																										4	4	21	54		
34/ 33																																		13	48	
32/ 31																																		11	43	
30/ 29																																		3	27	
28/ 27																																			12	12
26/ 25																																			8	8
24/ 23																																			12	12
22/ 21																																			11	11
20/ 19																																			11	11
18/ 17																																			5	5
16/ 15																																			2	2
14/ 9																																			2	2
Element (X)	ΣX'	ΣX	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724 40 PATUXENT RIVER NAS MD 73-80 APR  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
89										.0	.0	.1						5	5																		
87										.0	.0	.0						4	4																		
85										.1	.0	.0	.0	.0				12	12																		
83						.0				.1	.1	.2	.1					26	26																		
81								.1	.2	.2	.0	.1	.1					39	39																		
79						.0	.1	.1	.1	.1	.0	.0						35	35																		
77						.0	.1	.1	.3	.1	.0	.0						37	37																		
75					.1	.1	.2	.2	.1	.1	.0							44	44																		
73				.1	.1	.2	.4	.5	.1	.1	.1							78	78	1																	
71			.2	.3	.2	.1	.4	.1	.2	.1								94	94																		
69			.3	.3	.5	.2	.2	.2	.1	.3	.1							132	133	5	1																
67			.4	.5	.8	.5	.5	.4	.3	.4	.0							222	222	36																	
65		.4	.5	.6	.7	.5	.6	.4	.7	.1								250	250	98																	
63	.0	.6	.4	.5	1.0	.6	.6	.4	.6	.0								268	269	157	48																
61	.1	.5	.7	1.0	.8	.6	1.0	.8	.3									329	329	201	91																
59	.2	.9	1.2	.9	.7	.9	1.3	.7	.1									386	387	201	106																
57	.2	1.0	1.4	.7	1.4	1.3	1.2	.5	.1									438	439	289	159																
55	.2	1.2	2.0	1.4	1.0	1.8	.9	.2	.0									497	498	341	215																
53	.4	1.3	2.1	1.3	1.7	1.5	.5	.2										502	503	384	247																
51	.1	1.5	2.3	1.7	2.0	1.2	.5	.1										519	519	451	304																
49	.1	1.1	1.4	1.7	2.3	.9	.3	.1										445	445	565	360																
47	.1	1.0	1.5	1.8	1.7	.4	.1	.0										359	361	532	305																
45		.9	1.9	1.5	1.0	.4	.1											323	324	562	330																
43	.1	.8	1.2	1.0	.7	.2	.1											221	222	472	310																
41	.1	.4	1.1	.5	.3	.1												142	142	522	319																
39	.0	.5	.5	.5	.5	.1												100	101	314	410																
37	.0	.1	.3	.5	.1	.0												60	60	180	395																
35		.1	.4	.3	.1													48	48	140	378																
33		.1	.1	.1	.0													18	18	86	413																
31			.0	.1														6	6	55	385																
29																				31	267																
27																			1	15	189																
25																				1	103																
23																					74																
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PAIYAKNI RIVER NAS MU 73-80 APR  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 21																					72
71/ 19																					68
70/ 17																					65
69/ 15																					26
68/ 13																					6
67/ 11																					9
66/ 9																					6
65/ 7																					2
TOTAL	1.6	11.9	19.5	17.3	17.6	11.9	8.6	5.3	3.3	1.8	.6	.4	.3	.0				5639	5651	5639	

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	22797064	342490	60.7	18.814	5639							
Dry Bulb	17997014	314350	55.6	9.506	5651		.9	92.9	35.7	13.1		720
Wet Bulb	13671394	274000	48.6	7.965	5639		13.0	5.4	.1			720
Dew Point	10081965	230991	41.0	10.485	5639		159.3	.1				720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

MAY  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
17/ 19					.1																												1	1			
16/ 75					.3	.4	.1																										7	7			
14/ 73				.7	.7	.4	.8																										19	19			
12/ 71			.1	1.0	.3	.3	.1	.1																									14	14	3		
70/ 69			1.1	1.8	.7	.4	.6																										33	33	12	3	
67/ 67		.7	.7	3.6	2.2	.3	.1	.3																									57	57	25	21	
67/ 65	1.5	3.3	3.0	1.1	1.8	.6	.4																										85	85	46	28	
47/ 63	1.2	2.3	1.5	2.2	1.4	.1	.3	.4																									69	69	74	35	
27/ 61	2.2	2.8	2.5	1.1	1.7	.6	.4																										81	81	70	72	
7/ 59	1.5	2.3	2.6	.8	1.0	1.1	.1																										69	69	62	72	
57/ 57	1.9	3.7	2.1	1.0	.7	.1																											69	69	87	59	
57/ 55	1.2	1.8	1.9	1.1	1.2	.3																											55	55	71	64	
47/ 55	.6	1.9	1.8	1.9	.1	.5																											48	49	44	58	
27/ 51	.1	2.2	2.6	.8	1.4	.1	.1																										54	54	61	43	
57/ 49	1.0	1.4	.6	.3	.4	.3																											28	28	65	61	
47/ 47	.1	.6	1.0	.8	.1																												19	19	42	40	
47/ 45		.3	.8	.4	.1																												12	12	13	38	
47/ 43		.3		.1	.1																												4	4	24	32	
27/ 41				.4																													3	3	16	28	
47/ 39																																		7	7	22	
37/ 37																																		5	5	11	
36/ 35																																				16	
34/ 33																																				11	
27/ 31																																				3	
50/ 29																																				4	
20/ 27																																				2	
26/ 25																																				3	
24/ 23																																				1	
TOTAL	12.1	24.8	27.4	16.1	11.8	5.5	1.9	.4																										727	728	727	727
Element (X)	Σ X²	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	4628446	56948	78.3	15.191	727	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F	Total																									
Dry Bulb	2662370	43732	60.1	6.971	728			16.7	5.4			93																									
Wet Bulb	2331629	40847	56.2	7.101	727			5.1				93																									
Dew Point	2090964	38444	52.9	8.941	727		1.7	3.1				93																									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAY MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73			.6	.1		.1												6	6																
72/ 71			1.0	.7	1.1													20	20																
71/ 69		1.2	3.2		.5	.1	.1											36	36	9	2														
68/ 67	.4	.8	1.4	.6	.1													24	24	24	14														
66/ 65	1.2	2.9	2.8	1.4	1.1	.1	.1											70	70	41	31														
64/ 63	2.2	4.2	2.8	.7	1.8	.4												87	87	64	40														
62/ 61	1.7	2.4	2.8	.6	.4	.3	.1											59	60	69	62														
61/ 59	1.9	3.7	3.5	.3	.6	1.1												80	80	65	61														
60/ 57	1.7	3.6	2.1	1.1	1.9	1.1												83	83	84	71														
58/ 55	1.2	2.4	1.5	1.2	.8	.3	.1											55	55	61	63														
54/ 53	.4	2.1	2.1	.6	.4	.4												43	43	49	56														
52/ 51	.3	2.9	2.6	1.1	.6	.4	.1											58	58	41	52														
50/ 49	1.2	2.1	1.1	1.1	.3	.1												43	43	86	39														
48/ 47	.4	.1	1.0	.7	.3													18	18	36	40														
46/ 45	.5		2.1	.6	.4													24	24	27	43														
44/ 43		.4	.3	.5	.1													8	8	21	19														
42/ 41		.1	.3	.6														7	7	25	37														
41/ 39																				9	24														
38/ 37																				9	15														
36/ 35																				2	20														
34/ 33																					9														
32/ 31																					10														
30/ 29																					3														
28/ 27																					6														
26/ 25																					4														
TOTAL	13.0	29.0	30.9	11.5	10.3	4.6	.7											721	722		721														
Element (X)	ΣX'	ΣX	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	4796655	57811	80.2	14.966	721	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	2526442	42410	58.7	6.997	722			11.1	.8			93																							
Wet Bulb	2245901	39881	55.3	7.448	721			4.1				93																							
Dew Point	2032548	37680	52.3	9.381	721		3.0	2.1				93																							

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724140 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
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	Wet Bulb	Dew Point				
71/77				.1	.3													3	3					
70/75			.1	.8		.4	.1											11	11					
70/73	.1		.7	1.3	.6	.4												22	22	1	1			
70/71		.4	2.2	.8	1.7	.3												39	39	7				
70/69	.3	1.7	3.3	1.1	.7	.4	.3											56	56	20	11			
69/67	.4	1.0	1.3	1.7	.6	.7		.1										41	41	42	27			
69/65	2.1	3.8	2.1	2.1	1.5	1.0												90	90	59	51			
69/63	.6	3.1	2.1	1.7	1.0	.7	.3											67	67	66	39			
69/61	2.4	2.4	2.1	1.5	2.1	.4	.1	.1										78	78	79	70			
69/59	1.7	1.9	2.5	1.1	1.3	1.0	.1											69	69	65	64			
58/57	1.1	1.8	1.4	.7	1.1	.6	.3											50	50	73	61			
58/55	1.4	2.6	1.8	1.4	.8	.3	.1											61	61	61	63			
58/53	1.3	.7	1.1	1.1	.7	.7	.1											41	41	57	55			
58/51	1.3	1.0	1.1	.7	.6	.6	.1											38	38	46	49			
57/44	.6	1.1	.4	.6	.7	.6												28	28	46	36			
47/47	.1		.6	.8	.1	.1												13	13	30	41			
47/45	.1	.1	.1	.4	.3													8	8	22	24			
47/43				.1	.1													2	2	17	32			
47/41				.3														2	2	13	15			
47/39				.1														1	1	9	21			
57/37																				5	9			
36/35																				2	9			
34/33																					17			
22/31																					8			
31/24																					4			
20/21																					6			
21/25																					5			
24/23																					1			
22/21																					1			
TOTAL	13.3	21.5	22.9	18.2	14.0	8.1	1.7	.3										720	720	720	720			
Element (X)	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>			
Rel. Hum.	4443836	55664	77.3	16.273	720	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total									93			
Dry Bulb	2148066	44182	61.4	7.163	720			22.2	4.7												93			
Wet Bulb	2398549	41201	57.2	7.540	720			9.0	.1												93			
Dew Point	2144436	38656	53.7	9.799	720			3.2	5.0	.1											93			

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724.000 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 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
6/ 85							.1	.3										3	3		
4/ 83						.3		.1		.1											
7/ 81					.1	.7	.3	.5	.1							.1		14	14		
7/ 79				.1	1.2	.7	1.8	.5	.1							.1		14	14		
7/ 77			.1	1.0	1.6	1.1	1.0	.3		.3								39	39		
16/ 75		.1	.3	1.4	.8	1.9	.4	.3	.4									41	41	1	
14/ 73		.1	1.1	2.0	1.2	1.4	.7	.5	.3	.4								57	57	8	2
14/ 71	.1	.7	1.6	1.1	1.6	.5	.8	.7	.1	.1								55	55	35	3
10/ 69	.5	.5	1.1	1.5	3.0	1.1	1.9	.1	.4									71	71	49	20
6/ 67	.5	1.0	2.3	1.4	1.4	1.5	1.0	.7	.4									74	74	72	45
6/ 65		2.0	1.1	2.7	1.1	1.5	.7	1.1	.1									76	76	57	45
14/ 63	.8	.1	1.0	.5	.8	2.0	.4	.8										48	48	71	53
2/ 61	1.2	1.0	1.9	.8	1.2	1.0	.5	.4	.1									60	60	68	65
1/ 59	.4	.8	1.0	1.1	.4	1.0	.5	.3										40	40	79	52
5/ 57	.8		.4	1.0	.8	1.6	.4											37	37	58	72
5/ 55	.5	.8	.4	.1	.5	.8	.1											25	25	49	55
14/ 53	.7	.5	.5	.3	.3	.7	.4											25	25	63	37
12/ 51	.4	.7	.4		.5	.3	.3											19	19	31	37
5/ 49	.1	.4			.1	.5												9	9	29	38
4/ 47					.3													2	2	34	43
4/ 45																				10	36
4/ 43																				11	20
12/ 41																				6	15
4/ 39																				6	20
3/ 37																					21
11/ 35																					13
3/ 33																					18
2/ 31																					8
3/ 29																					5
21/ 27																					7
2/ 25																					1
24/ 23																					2
TOTAL	6.0	8.6	15.2	19.0	17.2	18.6	11.3	6.7	2.2	1.0	.3							733	733	733	733
Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	X	s <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	339216	48090	65.618	226	733	< 6 F	< 32 F	< 67 F	< 73 F	< 86 F	< 93 F	Total									
Dry Bulb	3331307	49075	67.0	7.901	733			49.7	24.6	5.1		93									
Wet Bulb	2660837	43815	59.8	7.557	733			20.9	1.1			93									
Dew Point	2222493	39649	54.110	311	733		2.9	8.9	.3			93									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD

73-80

YEARS

MAY

PAGE 1 1200-1800  
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								.3									2	2	
85								.5						.1			3	3	
85								.4	.3				.1				8	8	
85				.1	.1	.1	.5	.1	1.0	.1	.1	.1					18	18	
81					.7	.7	.8	1.4	.7	.1	.1						33	33	
79				.3	.7	1.6	1.6	1.2	.3	.1	.4	.1					47	47	
77				1.1	2.1	1.1	1.2	.8	.5	.4	.1						54	54	1
75			.3	.5	1.4	1.4	.3	.7	.7	.5	.1						43	43	1
73				1.2	1.4	.5	1.4	1.0	1.1	1.0	.1	.1					57	58	21
71		.4	2.2	2.1	1.9	1.1	.8	1.0	.5	.4							76	76	25
69	.1	.5	1.9	.7	1.1	1.4	1.8	.4	.7	.7							68	68	65
67	.3	1.1	1.0	2.6	1.6	.7	1.4	1.0	.1	.1							72	73	85
65	.3	.5	1.1	.7	1.0	1.0	.7	.7	.7	.1							49	49	65
65	.1	.8	.7	1.1	.7	1.2	.4	.8	.4	.1							47	47	54
61	.4	1.4	.7	.7	1.0	1.2	.7	.3									46	46	86
59	.1	.4	.7	.7	.4	.7	1.2	.1									32	32	65
57	.7	.4	1.0	.1		.8	.5										26	26	57
55	.3	1.1	.4			.8	.7										24	24	47
53	.5	.1	.3	.4		.5	.1										15	15	51
51	.3		.1			.1											4	4	39
49		.1				.4											4	5	21
47		.1															1	1	23
45																			13
43																			6
41																			3
39																			1
37																			
35																			
33																			
33																			
31																			
29																			
27																			
25																			

Element (X)	$\Sigma X^2$	$\Sigma X$	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD

73-80

MAY

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
1/ 89									.4									3	3	
6/ 85						.1	.3	.4		.3	.3		.1					11	11	
4/ 85					.1	.5	.5	.1				.3						12	12	
2/ 81				.1	.4	.5	.7	.7	1.0	.5			.1					26	26	
7/ 79				.1	1.2	1.4	2.3	.7	.4	.7			.4					53	53	
7/ 77				.4	.7	1.4	1.5	.4	.5	.1		.1						38	38	
16/ 75			.4	1.1	1.5	1.0	1.2	.5	.4	.1	.5							50	50	3
4/ 75		.4	1.0	2.3	1.4	1.5		1.2	1.8	.3	.3							74	74	11
11/ 71		.5	3.0	1.4	1.4	1.2	1.8	1.1	.3	.4								81	81	36
2/ 69		.4	.5	.8	1.4	.8	1.6	1.2	.3	.1								55	55	51
5/ 67	.1	1.0	1.5	1.0	1.5	1.1	1.8	1.1	.3	.1								69	69	91
6/ 65	.1	.7	1.0	1.8	1.2	1.1	1.0	.4	.4	.3								58	58	60
4/ 63		1.6	.8	.7	.8	.7	1.0	.7	.4									49	49	56
16/ 61	.5	.5	.7	.8	1.1	.7	1.1	.7										45	45	69
2/ 59	1.1	.5	.5	1.2	.5	.5	.4											30	30	79
5/ 57	.5	1.2	.3	.1	.5	.5	.8	.4										29	29	66
5/ 55	.3	.5	.3		.1	.7	.7	.3										21	21	58
4/ 53	1.0	.4	.4	.3														15	15	52
2/ 51	.1	.3	.1	.1		.1												6	6	27
5/ 49	.1					.1												2	2	29
4/ 47		.4				.1												4	4	20
4/ 45																				10
4/ 43																				6
4/ 41																				4
4/ 39																				1
5/ 37																				17
5/ 35																				9
5/ 33																				5
2/ 31																				3
2/ 29																				2
2/ 27																				1
2/ 25																				1
2/ 21																				1
2/ 19																				1
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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																				

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

12440 STATION PAIUAENT RIVER NAS MD

73-80

MAY

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																	
6/ 85									.1																								1	1				
4/ 84									.1																									2	2			
2/ 91								.3	.3	.1	.1	.3																						8	8			
1/ 77				.5	.8	.7	.1																												17	17		
1/ 77			.1	.1	.1	.6	.4																												21	21		
16/ 75			.4	1.2	.6	1.2	.7	.4	.1	.1	.1																								36	36	1	
14/ 73		.1	.4	1.5	1.7	1.1	.6	.1	.1	.1																									37	37	7	1
12/ 71		.6	3.2	1.5	1.1	.7	.6	.8	.3	.1																									64	64	13	3
11/ 69		1.1	1.9	2.1	1.5	.4	1.4	.7	.1																										68	68	30	11
8/ 67	.4	.7	1.8	1.8	1.1	1.5	.4	.4	.1																										60	60	57	31
6/ 65	.7	1.8	1.7	1.4	1.5	1.0	1.8	.4	.1																										75	75	56	50
4/ 63	1.1	1.2	1.4	2.2	1.2	1.4	.6	.3	.1																										69	69	71	40
2/ 61	1.2	2.3	1.1	1.1	3.0	.6	.8		.3	.1																									77	77	75	67
1/ 59	1.0	1.2	1.5	1.4	1.2	.8	.7																												57	57	63	57
1/ 57	.3	1.7	.1	1.5	1.7	.1	.7																												44	44	74	59
5/ 55	.3	.7	1.2	.3	.8	1.5	.3																												37	37	58	50
4/ 53	.1	.3	.4	.6	.1	.4	.1	.1																											16	16	66	44
2/ 51	.3	.3	.6	.6	.6	.1	.1																												18	18	41	43
5/ 49	.3	.7	.3	.1	.1																														11	11	42	45
4/ 47	.3				.1	.1																													4	4	23	51
4/ 45					.1																														1	1	22	41
4/ 43				.1																															1	1	6	31
12/ 41																																				4	23	
4/ 39																																				3	19	
3/ 37																																				2	13	
11/ 35																																					16	
3/ 33																																					13	
2/ 31																																					6	
1/ 29																																					4	
2/ 27																																					3	
12/ 21																																					2	
2/ 19																																					1	
TOTAL	5.7	15.0	16.2	18.1	16.6	12.7	9.7	4.8	1.9	1.0	.3	.1																							724	724	724	
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	5570789	49153	67.9	18.085	724	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																										
Dry Bulb	3126924	47278	65.3	7.401	724			40.3	15.7	2.2		93																										
Wet Bulb	2537707	42557	58.8	7.075	724			13.9	1.0			93																										
Dew Point	2140584	38734	53.5	9.721	724		2.1	5.9	.1			93																										

USAFETAC FORM 164 0-26-5 (OLA) REVISE PREVIOUS EDITIONS OF THIS FORM AND DISCARD

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724 40 STATION PATUXENT RIVER NAS MD

73-80 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
1 / 31						.1												1	1																		
1 / 72					.3													2	2																		
1 / 11		.1		.3		.3												5	5																		
16 / 75			.3	.5	.8	.4	.4											16	16	1	1																
4 / 73			1.0	.8	.4	.4	.1											20	20	2																	
2 / 71		.4	1.4	1.1	.5		.1	.1										27	27	8	2																
11 / 69		1.6	2.9	2.2	1.1	.3		.1										60	60	15	7																
6 / 67		.8	3.6	1.6	1.1	.7	.4											60	60	42	26																
10 / 65	1.2	2.5	2.3	1.5	1.5	.7	.3											73	73	52	35																
4 / 63	.5	2.9	2.1	2.9	1.5	.7	.7											82	82	74	45																
2 / 61	2.6	1.9	2.5	1.4	1.5	1.0	.3											81	81	79	77																
1 / 59	2.3	1.2	2.3	2.3	1.4	.3	.4											75	75	59	69																
1 / 57	.5	2.6	1.6	2.2	1.1	.3												61	61	87	54																
5 / 55	1.1	1.2	2.6	1.1	.8	.1												51	51	67	53																
4 / 53		1.2	1.9	1.4	1.2	.4												45	45	54	52																
2 / 51	.4	.8	.8	.8	.7	.1												27	27	70	59																
5 / 49		1.0	.5	.4		.1												15	15	36	44																
4 / 47		.7	.7	1.1	.4	.1												22	22	35	59																
4 / 45		.4		.1	.1													5	5	18	27																
4 / 43				.3														2	2	20	35																
1 / 41				.1														1	1	6	24																
4 / 39																				4	21																
3 / 37																				4	9																
3 / 35																					12																
3 / 33																					10																
2 / 31																					3																
1 / 29																					4																
2 / 27																					2																
1 / 25																					1																
TOTAL	2.8	19.4	26.4	21.9	14.5	5.5	3.3	.1	.1									731	731	731	731																

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	I	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4390074	55598	76.1	4.871	731	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2827063	45171	61.8	7.002	731			24.3	5.6	.4		93
Wet Bulb	2442318	41936	57.4	7.074	731			8.7	.4			93
Dew Point	2168420	39280	53.7	8.892	731		1.3	4.6	.1			93

USAFETAC FORM 0-26-5 (OL A) REVERSE NUMERICAL EXTENSIONS OF THIS FORM ARE OBSOLETE



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

724442  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-60  
YEARS

MAY  
MONTH

PAGE 2

ALL  
HOURS

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. Wet Bulb	Wet Bulb Dew Point															
21																																5814	5814	
14																																	5814	5814

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

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	511676.3	411849	10.818	6.10	5814	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	7
Dry Bulb	24356660	373268	64.1	8.424	5814			266.3	122.7	26.2		7
Wet Bulb	20070539	338789	58.3	7.522	5814			111.7	7.4			7
Dew Point	17210064	311212	53.5	9.740	5814		20.2	45.8	.9			7

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUM**

72490 PATUXENT RIVER NAS MD  
 STATION STATION NAME

73-80  
 YEARS

PAGE 1 000  
 HOUR

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb																
47 82						.1																											1	1		
47 81					.1	.1																											3	3		
47 79			.4	.4	.1	.1																											8	8		
47 77			.4	.7	1.3	.7																											25	25		
46 75	.4	1.1	1.1	3.4	1.0																												50	50		
46 73		2.7	1.8	3.1	.7																												59	60	3	
46 71	.1	5.1	5.5	2.7	.7																												100	100	4	
46 69	1.0	4.4	4.5	2.4	1.4	.4																											100	100	9	
46 67	2.0	3.7	3.9	1.3	1.0	.3	.1																										87	87	11	
46 65	.4	4.4	3.9	3.1	1.0	.3																											93	93	7	
46 63		1.3	2.1	2.1	.4	.3	.1																										45	45	8	
46 61		1.5	3.5	1.4	.6	.4																											53	53	5	
46 59		1.0	1.0	.6	1.0	.1	.1																										27	27	6	
46 57	.1	1.0	1.1	2.1	.3	.3	.1																										36	36	4	
46 55			1.0	1.1	.8																												21	21	2	
46 53			.1	.1																													2	2	4	
46 51																																				3
46 49																																				
46 47																																				
46 45																																				
46 43																																				
46 41																																				
46 39																																				
46 37																																				
46 35																																				
46 33																																				
TOTAL	4.1	26.1	31.0	24.0	10.4	3.2	.6																											710	711	71
Element (2)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	4655596	56918	80.2	11.4	710	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb	3295613	48235	67.8	5.7	711			54.9	18.6	.6																										
Wet Bulb	2428604	45386	63.9	6.2	710			37.5	4.9																											
Dew Point	2710998	43540	61.3	7.6	710			26.1	2.5																											

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

226 40 PATUXENT RIVER NAS MD 73-80 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 51					.1													1		1															
67 74			.1	.1	.1													5		5															
71 77		.3	.4	.4														8		8															
76 75			.7	1.1	.4	.1												17	17	5	2														
74 73	.4	3.3	3.1	3.1	.9	.1												77	77	11	8														
72 71	.4	4.1	3.4	2.8	.1													77	77	46	33														
71 69	2.1	7.0	5.1	1.8	.3													115	116	91	56														
67 67	1.7	2.8	4.4	1.7	1.6	.1												87	88	100	90														
66 65	1.1	6.0	2.8	1.7	.7	.4												90	90	92	75														
64 63	.1	3.0	2.3	2.8	.4													61	62	82	77														
62 61	.1	2.4	2.0	.9	.3													40	40	57	83														
61 59	.1	2.0	2.7	1.3	.4													46	47	50	48														
61 57	.3	1.6	.9	1.6	.1		.1											32	32	62	48														
57 55		1.4	1.6	1.3	.7													35	35	34	44														
54 53		.1	1.0	.7		.1												14	14	24	46														
52 51		.1			.1													2	2	26	21														
51 49																				14	19														
47 47																				8	23														
47 45																				2	16														
47 43																				1	4														
47 41																					9														
37 35																					1														
37 33																					1														
27 31																					1														
TOTAL		6.534	0.030	0.521	0.4	0.4	1.0	.1										705	709	705	705														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Num.	4898213	58281	82.7	10.676	705	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	3157877	47143	66.5	5.728	709			49.1	13.5	.1		90																							
Wet Bulb	2842591	44551	63.2	6.225	705			32.3	2.0			90																							
Dew Point	2658643	42979	61.0	7.396	705		.1	24.1	1.3			90																							

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**

724040 PATUXENT RIVER NAS MD 73-80 YEARS MONTH JUN

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														
60/50						.1												1		1															
62/51					.1	.4	.1	.1										6		6															
67/79			.4	.7	.6	.1	.1										14		14																
70/77		.1	.9	2.3	2.0	.4	.1	.1									42		42	1															
66/75	.1	.9	2.6	4.3	2.3	.3	.1	.1									75		75	8	2														
64/73	.4	2.4	4.4	4.1	1.6	.7	.7										101		101	32	15														
62/71	.4	4.4	5.7	3.0	1.0	.7	.5										109		109	77	34														
61/69	1.4	2.0	3.7	3.0	1.9	.3	.1										87		87	120	88														
60/67	.9	2.1	3.1	2.3	2.4	.6	.3										82		82	103	94														
66/65	1.1	2.4	1.7	1.3	2.0	.9											66		66	84	93														
64/63	.1	1.0	1.7	.9	1.4	.4	.1										40		40	66	70														
62/61		2.1	1.0	.7	1.3	.1		.1									38		38	56	62														
61/59	.5	.7	1.0	.9	.4	.5											25		25	57	55														
57/57	.1	.1	.1	.1	.1	.1	.1										6		6	39	37														
51/55		.4	.1	.4													7		7	24	38														
64/53						.1											1		1	15	35														
62/51																				10	22														
52/49																				4	20														
40/47																				3	12														
41/43																				1	8														
44/43																					7														
42/41																					5														
30/35																					1														
34/33																					2														
TOTAL	5.0	18.4	26.9	23.9	11.9	5.3	2.3	.4									700		700	700	700														
																		700		700	700														
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	4322214	54282	77.51	2.708	700	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	3432468	48876	69.8	5.323	700			66.5	30.7	1.5		90																							
Wet Bulb	2998733	45643	65.2	5.688	700			43.8	5.3			90																							
Dew Point	2747445	43561	62.2	7.240	700			30.0	2.2			90																							

USAFETAC FORM 0-26-5 (O. A.) AIR 34 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72440 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 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	Dew Point																	
6/ 81									.1																								1	1			
6/ 87						.1	.1	.3																										2	2		
6/ 85					.1	.3	.4	.6	.6																									15	15		
4/ 83						.6	2.1	1.1	.4	.3																								32	32		
7/ 81				.3	1.0	2.7	3.2	1.8	.4																									70	70		
7/ 79		.1	.1	2.5	4.5	3.9	1.0	.4	.6																									94	94	2	
7/ 77			.6	1.3	3.2	3.4	1.8	.8	.7	.6	.3																							90	90	11	
6/ 75		.1	2.8	4.5	2.1	2.9	1.5	.8	.7	.3	.1																							114	114	28	
4/ 73	.1	.1	2.7	2.7	2.2	1.8	.6	.7	.3																									75	75	86	
2/ 71	.3	1.0	1.1	1.4	1.3	1.7	.8	.4																										57	57	136	
7/ 69	.1	.4	1.0	2.2	.6	1.7	1.0	.6																										54	54	96	
6/ 67		1.0	.8	.7	.8	.7	1.0	.1	.1																									38	38	66	
6/ 65	.1	.6	.3	.1	1.1	.6	.4	.3																										25	25	66	
4/ 63	.3	.4	.7	.3	.8	.7		.1																										24	24	69	
2/ 61	.3	.4	.3	.1	.3	.1	.1																											12	12	40	
7/ 59		.3	.1	.1																														4	4	47	
5/ 57			.1																															1	1	30	
5/ 55																																					23
4/ 53																																				7	
2/ 51																																				4	
5/ 49																																				1	
4/ 47																																					
4/ 45																																					
4/ 43																																					
2/ 41																																					
4/ 39																																					
3/ 37																																					
3/ 33																																					
TOTAL	1.3	5.1	11.7	18.4	20.8	21.9	11.1	5.9	2.9	.8	.1																								712	712	712
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	3257852	47118	66.2	14.0	712	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb	4040735	53477	75.1	5.8	712			81.7	62.8	20.5		90																									
Wet Bulb	3247030	47908	67.3	5.7	712			53.7	16.1			90																									
Dew Point	2826654	44520	62.5	7.7	712			34.8	3.7			90																									

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

STATION: 724040 PATUXENT RIVER NAS MD YEARS: 73-80 MONTH: JUN  
 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
95									.1	.1								2	2		
93									.1	.6								5	5		
91									.4	.1								5	5		
89						.1	.3	.8										9	9		
87					.3	.3	1.4	1.3		.1								24	24		
85				.3	.4	1.1	3.2	2.5	.4	.3								59	59		
83				.6	.3	.7	3.0	1.6	1.0	.3								52	52		
81				1.3	2.8	1.6	1.8	1.1	1.1	.4								72	72		
79			.4	2.5	3.7	1.8	1.7	1.4	1.5	.7	.1							97	97	8	
77			.7	4.1	4.1	1.7	1.7	.8	1.0	.7								105	105	15	3
75		.6	.7	3.1	1.4	1.1	1.8	2.4	1.7	.4								94	94	50	8
73		.6	1.0	.7	.6	1.6	2.3	1.0	.4									57	57	115	20
71		.4	.7	1.0	1.0	.6	1.6	.7	.8	.3								50	50	121	50
69		.6	.5	.8	.5		1.0	1.0	.1									29	29	79	100
67		.4	.6	.6	.1	.3	.4	.6										21	21	52	113
65	.3	.3	.1		.3	.4	.1											11	11	59	64
63	.1		.4		.3													6	6	66	47
61	.4	.3		.1														6	6	60	45
59			.3															2	2	36	37
57	.1		.1															2	2	19	43
55	.1																	1	1	21	51
53																				7	39
51																				1	29
49																					29
47																					18
45																					10
43																					10
41																					7
39																					3
37																					3
TOTAL	1.1	3.1	5.4	15.1	15.5	11.3	20.2	15.5	8.6	3.9	.3							709	709	709	709

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2724140	42646	60.1	14.986	709	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	4324311	55199	77.9	6.153	709			86.4	73.8	34.9	.9	90
Wet Bulb	3310767	48273	68.1	5.828	709			55.9	23.9	.1		90
Dew Point	2790421	44093	62.2	8.256	709			37.3	3.9			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

724040 PATUXENT RIVER NAS MD

73-80

YEARS

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
6/ 95									.3		.1						3	3		
6/ 93								.1	.3								3	3		
6/ 91								.3									2	2		
6/ 89						.4		.6									7	7		
8/ 87				.5	.7	1.8	.6	.1	.1								26	26		
6/ 85				.6	.9	1.4	2.0	1.0	.7	.1							44	44		
6/ 83		.3		.1	.8	.7	3.0	1.0	1.0	.3							51	51		
6/ 81			.1	.8	2.5	2.7	2.3	1.4	.6	.4	.7	.1					83	83	2 1	
7/ 79			.5	1.7	4.0	3.0	1.8	1.8	.8	1.1			.1				104	104	6 1	
7/ 77		.4	.8	3.5	2.0	1.3	2.1	.8	1.6	.1							90	90	17 1	
6/ 75		.1	1.6	1.6	1.1	1.4	1.4	2.5	2.4	.6	.1						91	91	46 11	
7/ 73		.4	2.4	.6	1.1	.8	1.3	1.0	.6								58	58	87 22	
7/ 71		.7	1.8	.4	1.0	.7	1.4	1.1	.4	.3							56	56	115 44	
6/ 69	.1	.4	.6	.7	1.4	.4	.3	.4	.6								35	35	86 101	
6/ 67		.4	.5	.4	.1	.1		.4	.5								15	15	74 85	
6/ 65		.6	.7	.6		.3	.4										18	18	51 56	
6/ 63		.4		.1													4	4	61 56	
6/ 61	.3	.6	.1	.3	.1												10	10	76 49	
7/ 59		.6															4	4	34 52	
5/ 57																			23 46	
5/ 55	.1	.3															3	3	16 32	
4/ 53																			14 33	
4/ 51																			1 33	
5/ 49																			38	
4/ 47																			13	
4/ 45																			12	
4/ 43																			10	
6/ 41																			6	
4/ 39																			5	
3/ 37																			2	
3/ 35																			1	
2/ 31																			1	
TOTAL	.0	4.7	9.3	10.9	15.1	13.0	17.3	13.7	9.8	4.2	1.0	.3	.1				707	707	707	
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2167753	42777	60.5	15.947	707	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb	4264143	54729	77.4	6.248	707			65.0	71.5	34.2	.8	90								
Wet Bulb	3265641	47871	67.7	5.866	707			55.1	20.1	.8		90								
Dew Point	2750183	43691	61.8	8.431	707		.1	33.9	4.6	.3		90								

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

**PSYCHROMETRIC SUMMARY**

725440 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/91								.1										1	1																
67/89						.1		.3										3	3																
67/87							.5											2	2																
66/85					.1	.6	.7		.3	.1								13	13																
64/83				.1	.3	.7	.9	.3	.3									18	18																
62/81			.3	.3	1.6	1.7	1.0	.6	.1		.1							40	40																
61/79			.9	1.6	2.3	2.1	1.0	.9										61	61	2															
61/77			1.7	2.5	3.1	1.4	1.5	.4	.4	.1								80	80	4															
60/75		.1	2.3	4.3	2.4	2.0	1.3	1.1	.3	.1								98	98	27	9														
64/73		1.6	3.1	2.8	1.4	1.0	1.7	1.0	.7									94	94	52	10														
62/71	.3	1.4	3.3	1.1	2.0	1.6	1.6	1.1	.1									88	88	97	44														
61/69	.1	1.6	1.6	1.6	2.0	1.6	.7	.7	.3									71	71	119	84														
61/67	.1	.7	.7	1.4	.9	1.7	.7	.3										46	46	73	99														
61/65		1.1	1.5	1.0	.4	.7	.3	.6										38	38	65	68														
64/63		.4	1.6	.1	.3	.7	.1	.3										25	25	54	50														
62/61	.3	.1		.4	.1	.3												9	9	74	53														
61/59	.1	.3	.6	.3		.4												12	12	51	58														
61/57			.3		.1													3	3	34	45														
61/55		.3	.1															3	3	23	37														
64/53																				19	29														
62/51																				5	27														
61/49																				6	32														
64/47																					18														
64/45																					18														
64/43																					7														
62/41																					8														
64/39																					8														
61/37																					5														
TOTAL	1.0	7.7	17.6	17.3	17.6	16.3	11.8	7.5	2.7	.4	.1							705	705	705	705														
Element (X)	ΣX'	ΣX	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	3359864	47446	67.3	5.392	705	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	3529331	51791	73.5	5.916	705			78.5	52.3	13.5		90																							
Wet Bulb	3100300	46562	66.0	5.970	705			47.7	10.9	.1		90																							
Dew Point	2699511	43237	61.3	8.242	705			31.4	2.4			90																							

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124140 PAUXENI RIVER NAS MD STATION NAME

75-80 YEARS

JUN MONTH

PAGE 1 2100-2100 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																	
83				.3		.3	.1																									5	5				
81			.1		.4	.7	.1																									10	10				
79			.3	1.1	1.3	.6																										23	23				
77		.1	1.3	1.4	1.6	.3	.3																									35	35	3			
75		1.1	1.7	3.8	2.0	.7	.1																									67	67	6	4		
73	.1	1.8	4.2	4.1	.7	.4	.1																									82	82	36	12		
71	.1	4.7	4.1	2.8	1.8	.6	.1																									101	101	78	32		
69	.6	4.0	3.2	2.4	2.8	1.1	.1																									101	101	105	80		
67	1.3	1.3	3.5	2.0	2.5	1.0	.4	.1																								84	86	97	101		
65	.4	1.1	2.4	2.1	1.7	.7	.8																									66	66	67	75		
63		.8	2.7	2.1	1.4	.8																										56	56	67	59		
61		.4	1.1	1.0	1.1	.4																										29	30	64	57		
59		.3	.7	.8	.8	.4	.1																									23	23	60	49		
57	.1	.3	.6	.6	.4	.6																										18	18	39	67		
55			.3	.4	.4																											8	8	29	34		
53																																			31	40	
51																																			13	16	
49																																	9	21			
47																																	4	22			
45																																			14		
43																																				13	
41																																				5	
39																																				4	
37																																				1	
35																																				2	
TOTAL	2.4	16.0	26.3	25.0	19.1	8.6	2.5	.1																									708	711	708		

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	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	3467953	49495	69.6	5.623	708			64.6	28.1	2.8		90
Wet Bulb	2980268	45728	64.6	6.158	708			41.3	5.7			90
Dew Point	2703717	43399	61.3	7.839	708			29.1	2.0			90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

YEARS

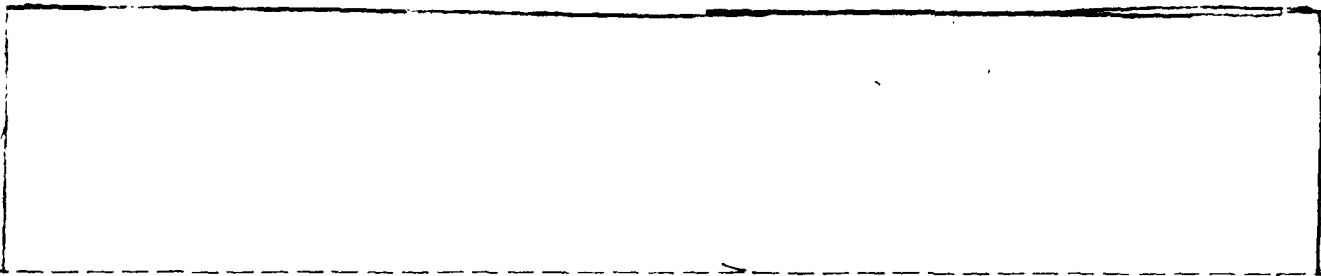
JUN  
 MONTH

PAGE 1

ALL  
 HOURS (L. S., T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
6/ 95									.0	.1							.0															5	5				
4/ 95									.0	.1																							8	8			
7/ 91									.0	.1							.0																9	9			
7/ 89								.1	.0																								21	21			
8/ 87					.1	.1	.5	.2	.0	.0																							56	56			
6/ 85				.1	.2	.3	.7	.6	.2	.2	.0																						132	132			
4/ 83		.0		.1	.2	.6	1.0	.4	.3	.1																							159	159			
7/ 81			.1	.5	1.3	1.3	.9	.4	.3	.1	.1	.0																					285	285	2	1	
7/ 79		.0	.4	1.5	2.1	1.5	.7	.6	.3	.2	.0				.0																		404	404	18	1	
7/ 77		.2	1.0	2.2	2.2	1.0	.8	.4	.4	.2																							475	475	52	5	
7/ 75	.1	.5	1.7	3.3	1.6	1.1	.8	.9	.6	.2	.0																						606	606	178	49	
7/ 73	.1	1.6	2.8	2.6	1.1	.8	.8	.5	.2																								603	604	449	122	
7/ 71	.2	2.7	3.2	1.9	1.1	.7	.7	.4	.2	.1																							638	638	711	321	
7/ 69	.7	2.5	2.5	1.9	1.3	.7	.4	.3	.1																								592	593	794	662	
6/ 67	.7	1.6	2.2	1.5	1.2	.6	.4	.2	.1																								460	463	683	777	
6/ 65	.4	2.1	1.7	1.2	.9	.5	.2	.1																									407	407	558	585	
4/ 63	.1	.9	1.4	1.1	.6	.4	.1	.1																									261	262	548	513	
5/ 61	.2	1.0	1.0	.6	.5	.1	.1	.0																									197	198	483	473	
7/ 59	.1	.6	.9	.5	.3	.2	.0																										143	144	397	393	
5/ 57	.1	.4	.4	.5	.1	.1	.1																										98	98	291	372	
5/ 55	.0	.2	.4	.4	.3																												78	78	195	300	
4/ 53	.0	.1	.1		.0																												17	17	137	280	
2/ 51		.0			.0																												2	2	90	191	
5/ 49																																				43	194
4/ 47																																				23	143
4/ 45																																			3	114	
4/ 43																																			1	62	
2/ 41																																					43
4/ 39																																					28
3/ 37																																					14
3/ 35																																					6
3/ 33																																					5
2/ 31																																					2

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

725040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS JUN MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
TOTAL	2.7	14.4	19.8	19.6	15.5	10.1	8.2	5.4	3.0	1.2	.2	.0	.0					5656	5664	5656	5656															

Element (X)	Σx'	Σx	I	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F						
Dry Bulb	30138986	402962	71.2	15.902	5656			566.7	351.4	108.3	1.7	720
Wet Bulb	29812431	408945	72.2	7.110	5664			367.5	89.0	1.0		720
Dew Point	24675934	51922	65.8	6.201	5656		.5	246.7	22.7	.3		720

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

124140 MATURENT RIVER NAS MU 73-80 JUL  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0000-0200  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 85				.1														1	1		
4/ 83				.5	.1													5	5		
7/ 81			.1	1.0	1.0	.1												16	16		
7/ 79		.3	1.5	1.9	2.1	1.4	.3											54	54	1	
7/ 77	.1	2.5	2.5	2.5	.5	.1												59	59	15	4
76/ 75		5.9	6.3	2.5	.8	.8	.1											120	120	50	51
74/ 73	.7	6.4	4.9	3.1	1.8	.4												127	127	99	69
72/ 71	1.1	6.6	4.8	3.0	1.0	.5	.4											127	127	140	108
72/ 69	1.1	4.0	3.6	2.1	1.2	.1	.1											89	89	132	128
6/ 67	1.0	2.1	3.4	1.8	1.4	.1												71	71	77	99
6/ 65		1.2	1.5	1.2	.7													34	34	80	62
4/ 63	.3	.3	1.0	.5	.3													17	17	53	61
2/ 61	.1	.1	.4	.3														7	7	40	60
7/ 59		.4	.1															4	5	27	33
7/ 57																				13	27
5/ 55																				4	30
4/ 53																					7
2/ 51																					8
5/ 49																					4
TOTAL	4.429	7.30	120.4	10.8	3.7	1.0												731	732		731
																		731		731	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5026955	60079	82.2	1.055	731							
Dry Bulb	5577818	55176	72.6	4.508	732			85.0	48.5	6.0		93
Wet Bulb	3482559	50339	68.9	4.690	731			65.4	21.0			93
Dew Point	3283222	48812	66.8	5.714	731			55.9	13.2			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

12440 PATUXENT RIVER NAS MD 13-80 JUL  
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																	
47 43				.1																													1	1					
47 41				.4																													3	3					
47 39			1.2	.4	.5	.3																											19	19					
47 37	.5	1.4	2.6	2.3	1.8																													61	61	7	3		
46 35	.8	5.0	5.0	2.9	.7	.1																												107	107	38	22		
47 73	1.2	8.5	4.1	1.5	1.1	.1																												121	121	94	64		
77 71	1.2	8.2	5.5	2.5	1.2																													138	138	125	107		
77 69	2.3	5.2	2.7	.7	.4	.4	.1	.1																										88	88	145	129		
67 67	1.2	3.1	4.5	1.6	.7	.5	.3																											88	88	80	103		
67 65	.1	2.6	1.8	1.8	.5	.4																												53	53	76	68		
47 63	.8	1.2	.8	.8	.4																													30	30	70	66		
47 61	.4	.1	.5	.7	.1																													14	14	32	59		
47 59		.7	.1																															6	6	28	26		
57 57		.4	.1																															4	4	22	25		
57 55																																					15	22	
47 53																																					1	15	
47 51																																					9	9	
57 49																																					9	9	
47 47																																					4	4	
47 45																																					1	1	
47 43																																					1	1	
TOTAL		0.536	429.118	1.2	1.9	.4	.4																													753	753	733	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	5343922	62062	84.711	0.41	733							
Dry Bulb	3745040	52292	71.3	4.458	733			79.4	39.6	1.6		93
Wet Bulb	3423560	49966	68.2	4.897	733			62.0	17.6			93
Dew Point	3253684	48634	66.3	6.057	733			54.3	11.3			93

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

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724 40 PATUXENT RIVER NAS MD

73-80

JUL

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														
8/ 51					.1	.1												2	2																
6/ 85				.1														1	1																
4/ 43				.7	.4	.3												10	10																
7/ 81			.7	1.7	1.0	.1	.1											26	26																
7/ 79		.4	3.6	3.5	2.1	.3												71	71	3															
7/ 77		2.1	4.6	4.7	1.4	.8	.3		.1									101	101	18	3														
10/ 75	.6	5.3	4.5	4.0	1.4	1.0	.1											120	120	85	44														
14/ 73	.6	5.1	4.3	2.9	1.0	2.2	.1	.1										118	118	121	92														
7/ 71	1.1	4.0	5.5	1.2	1.7	.6	.4		.1									106	106	126	101														
7/ 69	1.1	2.5	4.3	.4	.7	.8	.4	.4										77	77	102	122														
5/ 67	.7	1.5	2.1	.6	.6	.7												44	44	83	94														
6/ 65	.4	1.1	.8	.8	.4	.3	.1											29	31	69	75														
4/ 63	.1	.4	.6	.4	.1													12	12	49	47														
2/ 61		.4			.1													4	4	25	53														
7/ 59																				20	52														
5/ 57																				14	32														
5/ 55																				6	8														
4/ 53																					10														
2/ 51																					14														
5/ 49																					6														
4/ 47																					4														
4/ 45																					2														
4/ 43																					2														
TOTAL	4.6	2.9	3.0	.8	2.1	1.1	.0	7.2	1.7	.6	.3							721	723	721	721														

Element (X)	Σx'	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4747430	57846	80.2	4.27	721			87.0	57.8	4.7		93
Wet Bulb	3501160	50122	69.5	4.83	721			69.4	29.3	.1		93
Dew Point	3276000	48394	67.1	6.21	721			58.8	17.9			93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

724 40 PATUXENT RIVER NAS MD STATION NAME

73-60 YEARS

JUL 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. Wet Bulb	Dry Bulb	Wet Bulb	Dew Point														
67 95											.3																			2	2				
77 93											.1	.7																		6	6				
77 91										.1	.4	.1																		5	5				
78 89										1.1	.4	1.0	.5																	22	22				
87 87					.1	.8	1.5	2.1	.1						.1															35	35				
87 85					.8	1.9	2.6	1.0	.1	.4																				50	50				
87 83		.1	.5	2.3	3.8	2.6	1.6	.5	.1	.1																				87	87	1			
77 81			1.2	3.1	4.1	3.6	2.1	.7	.7																					127	127	5	1		
77 79		.3	1.4	4.2	3.8	2.2	1.8	.8	.1	.1																				108	108	40	5		
77 77		.5	1.9	4.0	2.3	1.2	1.8	1.1	.3	.1																				97	97	67	18		
77 75		1.1	2.6	2.6	2.1	1.1	1.8	.3																						84	84	126	66		
74 73		1.2	1.2	1.8	.3	.8	1.8	.3																						56	56	150	86		
77 71	.3	.3	1.5	.3	.3	1.1	.1	.1																						28	29	90	124		
77 69		.1	.1	.1	.5	.5	.1	.1																						10	10	74	111		
67 67		.5	.1	.3	.5																									9	9	61	72		
67 65	.3	.1	.3																											5	5	46	62		
47 63		.1																												1	1	32	48		
77 61																																	28	20	
77 59																																	7	35	
77 57																																	3	26	
57 55																																		26	
47 53																																		14	
27 51																																		11	
57 47																																		2	
77 47																																		1	
47 45																																		4	
7 43	.5	4.5	10.7	21.4	20.5	17.7	15.9	5.8	2.5	.5																							730	730	
																																		730	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3462773	49431	67.7	2.594	730	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	4665634	58280	79.7	5.126	731			92.2	86.1	50.1	1.0	93
Wet Bulb	3785200	52446	71.8	4.868	730			78.2	49.6	2.7		93
Dew Point	5380335	49449	67.7	6.494	730			61.3	22.2	.4		93

USAFETAC FORM 44 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A116 097

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC(11)  
MAY 82

UNCLASSIFIED

USAFETAC/DS-82/029

SBI-AD-E850 174

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

**724040** PATUXENT RIVER NAS MD  
STATION STATION NAME

**73-80**  
YEARS

**JUL**  
MONTH

PAGE 1 **1200-1900**  
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						
72/101																		.1				1	1			
107/99																			.1				1	1		
98/97										.1	.1	.1										3	3			
96/95										.3	.6											6	6			
94/93										.4	.6	.1					.3					10	10			
92/91								.3	.8	.7	.8	.1										20	20			
90/89					.1	.6	1.8	3.0	1.4	.3	.3											54	54			
88/87			.1	.4	1.4	2.6	2.1	1.8	.3													63	63			
86/85			.3	.8	3.3	5.0	2.5	2.9	1.0	.1		.1										114	114	1		
84/83		.3	.1	1.0	3.7	3.7	2.3	1.7	1.0	.4	.4											106	106	3	2	
82/81		.6	1.7	3.7	2.8	1.8	1.1	1.5	.3													97	97	20	1	
80/79	.3	1.7	2.9	1.8	1.8	1.8	1.5	.6	.3	.1												91	91	65	5	
78/77	.3	1.1	1.0	1.2	1.2	1.9	1.5	.4	.1													64	64	88	28	
76/75	.7	1.1	1.1	.8	.7	1.0	.7	.4														47	47	120	62	
74/73	.7	.3	.6			.8	.3	.8	.1													26	26	148	81	
72/71	.4	.6		.1	.3																	10	10	79	116	
70/69	.4	.6	.4																			10	10	66	101	
68/67	.1	.4	.4																			4	4	59	77	
66/65																								43	45	
64/63																								35	50	
62/61																								14	29	
60/59																								8	34	
58/57																									36	
56/55																									28	
54/53																									10	
52/51																									9	
50/49																									12	
48/47																									6	
46/45																									1	
TOTAL	.1	5.0	6.1	9.8	16.2	19.7	16.6	10.6	8.5	1.7	1.2	.4										727		727	727	

Element (R)	Z <sub>1</sub>	Z <sub>2</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2886347	44771	61.6	3.340	727	< 6 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb	4974909	60013	82.5	5.366	727			93.0	89.9	66.4	2.7	93
Wet Bulb	3847594	52766	72.6	4.953	727			80.2	54.1	5.2		93
Dew Point	3346051	49065	67.8	6.910	727			60.3	22.6	.6		93

FORM 10-64 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724080 PATUXENT RIVER NAS MD 73-80 1983  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb
04/ 85										.1							1	1		
14/ 79										.1	.1						2	2		
08/ 97										.3	.3						5	6		
06/ 95									.1	.1							2	2		
04/ 93							.1	.3	.7	.1							9	10		
02/ 91							1.0	.8	1.6	.8							31	31		
01/ 89					.4	.5	1.1	1.5	.7	.4							34	34		
08/ 87				.5	1.2	2.3	1.9	1.9	.9								69	69		
06/ 85				.7	2.5	4.5	2.9	2.5	.7	.8	.4						109	110		
04/ 83			.1	1.0	3.3	3.6	1.9	2.1	1.6	.1	.1						101	101		2
02/ 81		.3	1.2	2.3	3.4	2.3	1.2	1.2	1.8	.7	.4						109	109	15	
01/ 79			1.5	3.2	1.8	1.9	1.9	1.9	1.0	.9	.1						96	96	86	7
10/ 77		.7	1.4	1.6	1.1	1.5	1.4	.7	1.2	.1							71	71	95	19
08/ 75	.1	.4	.9	1.5	.5	.7	1.2	.7	.7								49	49	123	63
06/ 73		.5	.8	.1	.3	.3	.4	.7									23	23	134	92
02/ 71		.8	.1														7	7	87	96
10/ 69		.5	.3														6	6	60	121
08/ 67			.1	.7													6	6	55	78
06/ 65				.1													1	1	51	48
04/ 63																			30	96
02/ 61																			27	31
01/ 59																			3	31
08/ 57																				30
06/ 55																				27
04/ 53																				13
02/ 51																				23
01/ 49																				10
08/ 47																				2
06/ 45																				1
04/ 43																				1
TOTAL	.1	3.3	6.9	11.0	14.0	10.1	5.3	3.5	2.9	4.1	1.6						720	731	720	720

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	2889300	99700	61.9	6.071	720	< 6 F	< 20 F	< 67 F	< 72 F	< 80 F	< 93 F	Total
Dry Bulb	699249	60323	82.5	8.988	731			92.9	90.5	65.9	2.9	93
Wet Bulb	3837281	52731	72.9	8.953	720			78.8	53.8	3.9		93
Dew Point	3529737	98263	67.3	7.899	720			59.8	23.1	.1		93

USAFETAC FORM 0-26-5 (01.A) GROUP REVISION NUMBER OF THE FORM AND CIRCUIT

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**PSYCHROMETRIC SUMMARY**

724000 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

JUL  
MONTH

PAGE 1 1000-2000  
FORM (1. 1. 71)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.S.	TOTAL			
	0	1-2	3-4	5-6	7-8	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
46/ 45									.1								2	2		
47/ 41								.3	.6								5	5		
49/ 89						.3	.6	.1	.4	.3							14	14		
88/ 87					.1	.3	1.0	.6	.3								14	14		
86/ 85		.1	.1	.4	1.1	1.7	1.0	1.0	.1								40	40		
44/ 83			.1	1.4	2.9	2.5	1.0	.6	.1								62	62	1	1
52/ 81			1.0	3.9	4.3	2.2	1.4	1.2	.1	.3							104	104	3	
50/ 79		.3	1.4	4.4	2.9	2.9	.7	.8	.3								99	99	14	2
78/ 77		.8	3.3	3.3	2.5	1.5	1.0	.7	.4								104	105	48	12
76/ 75	.3	1.2	2.9	2.3	2.2	1.9	2.3	1.1	.6								108	108	93	18
74/ 73	.8	1.4	3.3	2.6	1.2	1.7	1.0	.6		.1							92	92	162	77
72/ 71	.4	2.2	1.2	.6	1.0	1.4	.3										51	51	97	112
70/ 69	.5	.7	.3	.1	.1	.4	.1										15	15	102	120
68/ 67			.3	.6	.1	.1											8	8	66	77
66/ 65				.4													3	3	48	66
64/ 63		.3															2	2	46	58
62/ 61																			31	30
61/ 59																			11	24
58/ 57																			3	38
56/ 55																				25
54/ 53																				10
52/ 51																				8
50/ 49																				12
48/ 43																				1
<b>TOTAL</b>	<b>1.8</b>	<b>7.0</b>	<b>13.9</b>	<b>20.0</b>	<b>16.5</b>	<b>16.8</b>	<b>11.6</b>	<b>7.2</b>	<b>2.3</b>	<b>.8</b>							<b>725</b>	<b>726</b>	<b>725</b>	<b>728</b>

Element (X)	$\Sigma H$	$\Sigma W$	$\Sigma T$	$\Sigma P$	No. Obs.	Mean No. of Hours with Temperature					Total
						< 60 F	60-70 F	70-80 F	80-90 F	> 90 F	
Rel. Hum.	3604208	50106	69.1	3.970	725						
Dry Bulb	4472779	56871	78.3	4.956	725	92.0	62.9	25.1	.3		93
Wet Bulb	3459626	51396	70.9	4.717	725	75.0	41.2	1.2			93
Dew Point	3274022	48494	66.9	6.674	725	57.0	16.1	.1			93

FORM 10-61 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 124000 PATUXENT RIVER NAS MD YEAR: 73-80 MONTH: JUL

PAGE 1 2100-2300  
FORM 1.1.71

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	P.S./V.S.	Wet Bulb	Wet Bulb	Dew Point					
48/ 81					.1													1	1							
50/ 82				.4	.1													9	9							
54/ 83			.4	.5	1.2	.4	.1											20	20							
57/ 81			.8	1.4	2.4	1.5	.3											87	87	1						
61/ 79		.8	2.9	3.7	2.0	1.1												77	77	6	1					
70/ 77		2.4	3.3	3.4	1.2	.1	.1											80	80	23	13					
76/ 75	.1	3.4	4.0	3.5	1.9	1.1	.4											120	120	70	33					
79/ 73	.4	4.4	5.7	4.4	1.9	.8	1.2											154	154	110	68					
72/ 71	.7	4.6	4.9	1.8	1.8	.8	.4											110	110	160	111					
71/ 69	.5	2.4	1.4	2.4	2.5	1.0												79	79	98	100					
65/ 67	.1	.7	1.1	1.4	.8	.8												36	36	93	85					
64/ 65		.1	.7	.7	.7													11	11	83	78					
64/ 63	.3	.4	.3	.1	.1													10	10	56	45					
64/ 61				.1														1	1	44	33					
60/ 59																				20	44					
56/ 57																				6	31					
56/ 55																				2	21					
50/ 53																					14					
41/ 51																					12					
31/ 57																					1					
TOTAL	2.3	9.7	27.0	23.6	6.9	7.8	2.6											732	732	732						

Wet Bulb (F)	Wet Bulb (C)	Wet Bulb (F)	Wet Bulb (C)	No. Obs.	Max No. of Hours with Temperature					Total
50 F	10 C	55 F	13 C		50 F	55 F	60 F	65 F	70 F	
2879177	57274	18,031	871	732						
2871101	28807	78.5	8.838	732			28.2	61.6	13.7	93
288250	28994	69.7	6.998	732			11.8	20.7	.3	93
288280	28987	67.4	6.928	732			17.1	19.8		93

FORM 1.1.71  
 GPO: 1969 O-345-101-01  
 AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 PATUXENT RIVER NAS MD

73-80

JUL

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																		
114/103																																		1	1			
122/101																																		1	1			
100/ 99																																		3	3			
98/ 97																																		8	9			
96/ 95																																		14	14			
94/ 93																																		25	26			
92/ 91																																		61	61			
90/ 89																																		122	122			
88/ 87																																		181	181			
86/ 85																																		319	320		1	
84/ 83																																		392	392	7	3	
82/ 81																																		529	529	44	2	
80/ 79																																		615	615	155	18	
78/ 77																																		637	638	359	98	
76/ 75																																		755	755	705	356	
74/ 73																																		699	699	1018	629	
72/ 71																																		577	578	904	875	
70/ 69																																		374	374	779	980	
68/ 67																																		266	266	574	677	
66/ 65																																		136	136	456	501	
64/ 63																																		72	72	371	413	
62/ 61																																		26	26	241	295	
60/ 59																																		10	11	124	271	
58/ 57																																		4	4	61	242	
56/ 55																																				27	187	
54/ 53																																			1	103		
52/ 51																																					90	
50/ 49																																					56	
48/ 47																																					17	
46/ 45																																					9	
44/ 43																																					5	
TOTAL	2,815	819	318	0	5	511	6	8	2	3	3	1																							5827	5835	5827	
Station (H)	2 <sup>1</sup>																																					
Ref. Num.	3292111																																					
Dry Bulb	3476168																																					
Wet Bulb	2910226																																					
Dew Point	2409299																																					
No. Obs.																																						
Mean No. of Hours with Temperature																																						
≥ 67 F																																						
≥ 73 F																																						
≥ 80 F																																						
≥ 93 F																																						
Total																																						
744																																						
744																																						
744																																						

USAFETAC FORM 0-24-5 (04-72) AIR WEATHER SERVICE BRANCH OF THE U.S. AIR FORCE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

AUG

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.1											1	1		
86/ 85							.1											1	1		
84/ 83						.1	.4											4	4		
82/ 81		.1	1.0	.4	.5													15	15		
80/ 79		.5	1.5	2.7	.7	.5												44	44	1	
78/ 77		2.7	4.4	4.1	1.1													90	90	13	6
76/ 75	.8	9.2	7.7	3.6	.8	.4												164	164	63	27
74/ 73	1.2	6.7	7.7	2.5	1.2													141	141	165	111
72/ 71	2.3	4.9	3.3	2.2	1.2	.1												103	103	160	143
70/ 69	1.1	2.2	2.9	1.6	.9	.1												62	62	107	148
68/ 67	.7	2.2	2.1	1.9	.1	.5												55	55	66	79
66/ 65		2.3	1.0	.3														26	26	63	60
64/ 63		.3	.4		.3													7	7	42	62
62/ 61	.3	.3	.5	.4														11	11	25	37
60/ 59		.4	.5															7	7	10	27
58/ 57																				10	21
56/ 55																				6	4
54/ 53																					5
52/ 51																					9
50/ 49																					2
TOTAL	6.4	31.9	32.8	19.7	6.7	2.5												731	731	731	731

Element (X)	$\Sigma X'$	$\Sigma X$	$\Sigma$	$\Sigma'$	No. Obs.	Mean No. of Hours with Temperature						Total		
Rel. Hum.	$\Sigma 0 F$	$\Sigma 32 F$	$\Sigma 67 F$	$\Sigma 73 F$	$\Sigma 80 F$	$\Sigma 92 F$						Total		
Rel. Hum.	5262109	61629	89.3	9.890	731									
Dry Bulb	3942783	53593	73.3	4.321	731			88.8	58.5	4.7				93
Wet Bulb	3593860	51184	70.0	4.418	731			73.2	50.8					93
Dew Point	3421675	49876	68.2	5.143	731			68.3	48.3					93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

724000 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

AMS  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
84/ 83					.3																											2	2				
84/ 81			.1	.3	.3	.1																										6	6				
80/ 79		.4	1.0	.7	.1																											16	17				
78/ 77		1.0	2.0	2.0	.8																											26	26	0	0		
76/ 75		0.8	6.9	2.5	.8	.1																										139	140	34	13		
74/ 73	2.0	10.5	0.5	2.2	1.5	.4																										188	188	106	108		
72/ 71	2.5	6.7	0.8	.8	1.2	.1																										118	118	160	142		
70/ 69	1.9	3.0	2.3	1.7	.1	.1																											70	70	131	129	
68/ 67	1.2	2.3	1.7	.0	.7	.3																											91	91	67	91	
66/ 65	.6	2.1	1.2	.8	.1																												35	36	60	50	
64/ 63	.7	1.4	.4	.3																													20	20	37	54	
62/ 61		1.2	.9	.1	.1																												14	14	31	39	
60/ 59	.1	.7	.6																														10	10	16	30	
58/ 57		.1																															1	1	12	23	
56/ 55																																				6	16
54/ 53																																					2
52/ 51																																					7
50/ 49																																					1
TOTAL	9.8	39.3	1.4	2.8	5.5	1.2																												726	729	726	726

Element (H)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature	± 0 F	± 2 F	± 4 F	± 7 F	± 10 F	± 12 F	Total
Rel. Hum.	2479123	62025	66.9	9.291	726								
Dry Bulb	3810762	92615	72.3	6.277	726				82.7	52.2	2.0		93
Wet Bulb	3209307	90332	69.0	9.482	726				71.0	24.1			93
Dew Point	3363826	67278	67.3	8.888	726				68.0	15.0			93

FORM 8-26-5 (OLAJ) PREPARED BY THE AIR WEATHER SERVICE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724000 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS AUG MONTH

PAGE 1 0600-0000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85					.4													3	3						
84/ 83				1.2	.8													12	12						
82/ 81			.6	1.9	1.1	.1												27	27						
81/ 79		.8	2.9	3.5	1.2	.6	.1											66	66						
76/ 77		3.7	6.4	3.2	1.9	.1												111	111	31	0				
76/ 75	1.8	6.8	7.3	3.0	1.0	.7												183	183	89	89				
74/ 73	1.8	6.6	6.4	1.8	1.9	.1												135	135	171	120				
74/ 71	1.8	3.7	4.2	1.5	1.1													89	89	138	152				
70/ 69	1.1	1.9	1.4	1.8	.3	.4												50	50	95	124				
68/ 67	1.1	1.2	2.2	.6	.3	.3												39	39	64	78				
66/ 65	.4	1.7	.3	.8	.3													25	25	62	66				
64/ 63	.3	.8	.1	.3														8	8	39	56				
62/ 61		.7	.1	.1	.1													8	8	12	30				
61/ 59	.1	.1		.4		.1												6	6	12	22				
58/ 57																				8	14				
56/ 55																				1	5				
54/ 53																				3	5				
52/ 51																				1	8				
50/ 49																					3				
48/ 45																					1				
42/ 41																					1				
TOTAL	8.0	27.4	31.9	20.2	9.8	2.5	.1											722	722	722	722				

Element (X)	Σ H'	Σ X	X	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	Σ H'	Σ X	X	Σ <sub>n</sub>	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3977613	53089	74.1	4.597	722			86.9	69.0	9.4		93
Wet Bulb	3099000	50920	70.5	4.980	722			75.2	37.8			93
Dew Point	3026327	49823	68.7	5.250	722			67.9	22.3			93

FORM NO. 0-36-5 (OL A)  
 USE PREVIOUS EDITIONS OF THIS FORM AND COVER  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124000 PATUXENT RIVER NAS MD 73-80 AUG  
 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	Dew Point																	
06/ 95							.1																										1	1			
04/ 93								.1	.1	.3																							4	4			
02/ 91						.1	.1	.1	.1																								4	4			
01/ 89					.3	.5	1.4	1.6		.1																							29	29			
08/ 87					1.4	3.0	1.4	.7	.1																								48	48			
06/ 85				1.1	3.0	3.4	1.2	.7	.5																								73	73			
04/ 83			.5	3.7	4.5	1.4	1.8	.3	.1																								90	90	2		
02/ 81		.1	1.8	5.9	5.0	1.9	1.2	.5	.1																								122	123	3		
01/ 79		.4	4.0	4.4	2.7	2.6	.4	.4																									109	109	47 5		
08/ 77		1.4	3.1	2.7	1.6	.8	.8		.1																								78	78	101 24		
06/ 75		1.0	2.2	1.5	1.0	2.5	.4	.3																									64	64	178 82		
04/ 73	.3	.4	1.2	.7	2.6	1.0	.1																										46	46	118 137		
02/ 71		.5	1.0	.5	.5	.5																											23	23	93 139		
01/ 69		.3	1.1	.4	.3	.1	.1																										17	17	56 84		
08/ 67	.5	.1	.4	.1	.5	.4																											16	16	37 63		
06/ 65	.1	.4		.1	.5																												9	9	57 51		
04/ 63																																				20	43
02/ 61																																		9	42		
01/ 59																																				5	28
08/ 57																																			7	10	
06/ 55																																					11
04/ 53																																					8
02/ 51																																				4	
01/ 49																																				2	
TOTAL	1.0	4.6	15.3	21.1	24.0	18.3	9.1	4.8	1.4	.4																								733	734	733 733	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature					Total																					
Rel. Hum.	3707559		51455		70.2		1.424		733		≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total														
Dry Bulb	4737696		58834		80.2		5.458		734						91.9		84.8		54.2		.6		93														
Wet Bulb	3905817		53597		72.8		4.674		733						80.6		57.0		2.3				93														
Dew Point	3543294		50794		69.3		3.662		733						57.8		31.5		.1				93														

USAFETAC FORM 0-26-5 (0-1) REVERSE SIDE OF THIS FORM IS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14400 PATUXENT RIVER NAS MD

73-80

YEARS

AMS

MONTHS

PAGE 1 1200-1900  
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								
48/ 97																					.3	2	2					
46/ 95																					.3	.1	.1	.1	5	5		
44/ 93										.1	.4	.4	1.1	1.1							.1			24	24			
42/ 91									.3		1.5	1.0	1.9	1.0										81	81			
40/ 89								.7	1.5	1.9	2.9	1.0	.4											61	61			
38/ 87					.1		1.0	3.8	5.0	1.1	.3	.3												70	70			
36/ 85					.4	4.3	4.8	1.0	2.6	.5	.3													101	101			
34/ 83				.4	2.6	4.9	3.2	1.1	1.9	1.1											.4			118	118	5		
32/ 81			1.1	4.5	2.9	2.1	1.1	2.1	.4															103	103	19	3	
30/ 79		.3	1.8	1.5	1.6	2.1	.7	.5	.1															63	63	98	5	
28/ 77		.1	1.2	1.0	.5	1.9	.7	1.1	.3															50	50	156	31	
26/ 75		.3	1.3	1.1	1.1	1.4	.5																	32	32	159	69	
24/ 73			.8		.3	1.2	.4																	20	20	91	136	
22/ 71		.1	1.5	.1		.5	.4																	20	20	71	109	
20/ 69		.7	.4	.1	.4	.3	.1																	15	15	50	91	
18/ 67	.1	.1	.1																					3	3	62	67	
16/ 65	.1																							1	1	29	59	
14/ 63		.3																						2	2	26	32	
12/ 61	.1																							1	1	12	45	
10/ 59																											3	30
8/ 57																											1	17
6/ 55																												16
4/ 53																												10
2/ 51																												3
0/ 49																												3
TOTAL	.4	1.6	7.8	11.8	18.0	22.9	12.9	6.9	3.2	1.0														728	728	728	728	

USAFETAC FORM 0-26-5 (OL A) 1 MAR 64

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z	σ <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3009679	48948	63.1	12.302	728	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	5056860	60929	83.1	5.870	728			92.5	87.6	71.7	4.0	93
Wet Bulb	3950193	53518	73.8	4.799	728			83.9	68.6	4.7		93
Dew Point	3888897	50191	68.9	4.082	728			65.3	31.2	.5		93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724080 PAUXENI RIVER NAS MD

73-80

AUG

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			
06/ 95							.1		.3	.3								5	5					
04/ 93							.1	.7	.4	.4								12	12					
02/ 91						.4	.8	1.2	1.2	.6	.1							32	32					
00/ 89					.6	1.0	1.9	2.2	.7	.3								54	55					
08/ 87					1.1	3.3	2.4	1.5	.8									66	66					
16/ 85				1.5	3.2	4.1	2.1	1.2	.7	.8								99	99					
24/ 83				2.4	5.5	2.6	1.9	1.8	1.5	.6	.1							119	120	1				
02/ 81			.8	3.5	3.2	1.2	1.2	1.7	.4									87	87	14				
00/ 79		.3	2.6	2.8	1.9	1.4	1.4	.4	.1	.1								80	80	50	5			
18/ 77		.1	1.9	1.0	1.8	.6	1.4	1.2	.3									60	60	123	28			
16/ 75		.7	.6	1.9	1.2	1.2	.1	.1	.1									44	44	148	62			
14/ 73		.7	.8	.6	.6	.6	.7	.1										29	29	119	119			
12/ 71	.4	.4	.6	.1			.3											13	13	76	131			
10/ 69	.1	.1	.6	.3	.4	.6												15	15	63	96			
08/ 67		.3	.4															5	5	59	59			
06/ 65																				31	53			
04/ 63																				21	42			
02/ 61		.4																3	3	12	39			
00/ 59																				6	33			
58/ 57																					24			
56/ 55																					14			
54/ 53																					9			
52/ 51																					4			
50/ 49																					3			
48/ 47																					2			
TOTAL	.6	3.0	8.3	14.0	19.5	17.8	14.5	12.3	6.4	3.0	.6							723	725	723	723			

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	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	3103900	46434	64.2	2.967	723	92.6	88.4	67.2	2.2					93
Wet Bulb	3889001	52919	73.2	4.658	723	84.0	58.5	5.1					93	
Dew Point	3434462	49636	68.7	6.099	723	64.3	27.5	.1					93	

USAFETAC FORM 0-26-5 (01A) REVERSE SIDE OF THIS FORM ARE DISCARDED



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD

73-80 YEARS

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
92/ 91										.1							1	1		
91/ 89					.1	.1	.6	.1	.1								8	8		
89/ 87				.1	.1	.7	1.4	.4									20	20		
88/ 85				1.0	1.0	2.2	.7	.4									38	38		
84/ 83			.4	1.7	2.3	2.3	.8	.4	.1	.1							60	60		
82/ 81			2.2	4.3	3.3	1.7	1.1	.8	.1								98	98	2	
81/ 79	.1		3.6	4.5	3.2	2.8	1.1										111	111	23	4
79/ 77		1.1	4.1	4.0	3.6	.8	.7	.1									105	105	49	16
76/ 75	.1	2.9	3.7	3.2	1.2	1.7	.7	.4									101	101	119	51
74/ 73	1.0	2.1	2.2	2.1	1.4	1.7	.3	.3									79	79	163	101
72/ 71	1.0	1.1	.8	.8	1.2	.4	.1	.1									41	41	117	105
70/ 69	.6	1.1	1.4	1.1	.6	.6											38	38	85	103
67/ 67		.7	.7	.3	.8	.3											20	20	57	77
66/ 65					.1	.1											2	2	47	61
64/ 63					.1												1	1	31	49
62/ 61		.4															3	3	16	27
61/ 59																			11	30
58/ 57																			5	17
56/ 55																			1	13
54/ 53																				11
52/ 51																				7
50/ 49																				1
48/ 47																				2
46/ 45																				1
TOTAL	2.8	9.4	19.1	23.0	19.1	15.3	7.4	3.2	.4	.3							726	726	726	726

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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	4008902	53154	73.2	12.716	726			92.2	79.5	35.6		93
Wet Bulb	3728988	51926	71.5	4.358	726			78.8	45.6	1.3		93
Dew Point	3908086	49562	68.3	3.828	726			63.7	22.0	.1		93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD

73-80 YEARS

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
-8/ 87					.1	.3	.4											1	1																	
-5/ 85				1.4	.4	.4												7	7																	
-4/ 83			1.4	4.2	.9	.9	.1											16	16																	
-2/ 81		.5	2.8	4.6	.4	.4	.3											56	56																	
1/ 79		1.8	5.7	4.9	2.3	.5	.1											67	67	3																
7-7/ 77		1.2	4.9	6.2	5.1	1.9	.5	.1										113	113	31	8															
16/ 75	.8	5.3	4.7	3.3	1.4	.4	.3											148	148	98	48															
14/ 73	1.5	3.5	3.3	1.6	.8	.5												119	119	157	109															
12/ 71	.8	1.9	2.3	1.8	1.1	.5												83	83	135	146															
11/ 69	.3	.5	1.9	1.6	.5	.4												62	62	114	127															
6/ 67	.1	.7	.1	.7	.1													39	39	71	80															
16/ 65	.4	.3	.4															13	13	40	69															
14/ 63																		6	6	40	42															
12/ 61																		8	8	21	40															
11/ 59																				15	24															
5/ 57																				11	17															
5/ 55																				2	14															
14/ 53																					10															
12/ 51																					8															
5/ 49																					1															
TOTAL	4.7	19.5	28.9	30.2	10.3	5.3	1.1											758	738	738	738															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x^2$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	4867509	59423	80.5	10.601	738			89.6	66.4	14.2		93
Wet Bulb	3685013	52043	70.5	4.511	738			76.7	36.4			93
Dew Point	3463578	50398	68.3	5.451	738			69.6	20.2			93

USAFETAC FORM AIR 14 0-26-5 (O.L.A.) REPROD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 AUG  
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		=31	Dry Bulb	Wet Bulb	Dew Point
98/ 91											.0							2	2		
96/ 95							.0	.0	.0	.1	.1							11	11		
94/ 93						.0	.1	.2	.2	.2	.0							40	40		
92/ 91					.0	.1	.3	.3	.3	.2	.0							78	78		
90/ 89					.2	.5	.7	.9	.2	.1								152	153		
88/ 87			.0	.0	.4	1.0	1.0	.5	.2	.0								206	206		
86/ 85				.5	1.5	1.9	.6	.6	.2	.1								322	322		
84/ 83			.2	1.6	2.3	1.3	.7	.5	.9	.1	.1							917	918		
82/ 81		.0	1.1	3.1	2.2	1.0	.6	.6	.1									514	515	38	3
80/ 79	.0	.4	2.5	3.1	1.5	1.3	.5	.2	.0	.0								556	557	168	19
78/ 77		.4	1.5	3.8	2.9	1.6	.6	.5	.3	.1								663	663	512	121
76/ 75	.4	4.2	4.4	2.7	1.1	1.1	.2	.1	.0									835	836	888	801
74/ 73	1.0	4.0	4.1	1.6	1.4	.7	.2	.1										757	757	1130	928
72/ 71	1.2	2.6	2.4	1.4	.8	.3	.1	.0										490	490	954	1107
70/ 69	.7	1.5	1.5	1.1	.4	.3	.0											329	329	701	927
68/ 67	.5	.9	1.2	.7	.3	.3												228	228	883	598
66/ 65	.2	.9	.3	.3	.2	.0												111	112	397	439
64/ 63	.1	.3	.1	.1	.1													48	48	256	380
62/ 61	.1	.4	.2	.1	.0													48	48	138	317
60/ 59	.0	.2	.1	.1	.0													23	23	80	224
58/ 57		.0																1	1	54	143
56/ 55																				16	93
54/ 53																				3	60
52/ 51																				1	88
50/ 49																					16
48/ 47																					9
46/ 45																					2
42/ 41																					1
TOTAL	4.2	17.1	21.9	19.1	14.1	10.7	5.6	4.3	1.9	.9	.2							5827	5833	5827	5827
Element (K)	Σx'	Σx	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	39978104	491206	75.7	73.4	178	5827	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	39042087	490565	77.2	6.390		5833	714.9	581.4	258.9	6.8			794								
Wet Bulb	29869907	416227	71.4	9.787		5827	623.3	350.4	13.4				794								
Dew Point	2780118	199272	68.5	5.588		5827	523.8	187.9	.9				794								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724040  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80  
 YEAR

SEP  
 MONTH

PAGE 1 0000-0200  
 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																		
81					.3																											2	2					
79			.6		.3	.3																										8	8					
77	.1	.4	1.4	.9	.7																												25	25	3	1		
75		2.2	2.7	1.1	.4	.4	.1																										49	49	10	7		
73	1.4	2.4	2.2	2.3	.6																													62	62	42	27	
71	1.6	5.3	3.6	1.3	.6	.1																												87	87	79	56	
69	2.9	2.9	3.7	2.0	.9	.3	.1																											89	92	73	71	
67	1.3	2.3	5.6	3.0	.9	.6	.1																											96	96	75	59	
65	1.6	5.2	3.2	2.4	.3	.1																												89	90	75	69	
63	.6	2.4	2.4	2.2	.3	.6																												59	59	94	61	
61	1.0	1.1	1.7	.7	.9	.1	.1																											40	40	66	85	
59	.1	.7	2.0	1.9	.6	.1																												38	38	53	55	
57	.3	.6	2.3	.6																														29	30	40	44	
55		.7	.3	.6		.3																												13	19	24	44	
53		.1	.4	.1																														5	5	36	20	
51			.1																															1	1	15	54	
49			.1	.1	.3																													4	4	6	22	
47																																				5	11	
45																																				2	14	
43																																				2	4	
41																																				1	2	
39																																						3
37																																						3
35																																						3
33																																						1
TOTAL	10.9	26.4	32.5	19.3	6.9	3.4	.6																												696	702		696
Element (X)	ΣR'		ΣR		Σ		Σ <sub>s</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																					
Rel. Hum.	4823019		57325		82.4		2.106		696		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F																					
Dry Bulb	3235534		47482		67.6		3.844		702		54.0		18.7		1.0				90																			
Wet Bulb	2897409		44683		64.2		6.434		696		35.8		7.1						90																			
Dew Point	2710620		43090		61.9		7.855		696		28.6		4.5						90																			

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724190 PATUXENT RIVER NAS MD

73-80

YEARS

SEP

MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
79		.1		.4	.1													5	5	
78		.4	1.2	.4	.6													18	18	2
75	.3	.6	2.2	.7	.1	.4												30	30	8
73	1.0	3.0	2.6	.9	.1	.1												59	55	25
71	3.5	4.2	3.2	1.4	.1	.1												87	87	82
69	3.5	3.3	3.6	.7	.4	.1												81	82	71
67	2.3	3.9	4.2	1.7	.3	.4												89	93	72
65	2.4	4.8	3.3	2.0	.4													102	102	82
63	1.2	2.7	2.7	1.4	1.0													63	63	87
61	.9	3.3	2.2	1.4	.4													57	59	59
59	.1	1.7	1.4	2.0	.1	.1												39	39	60
57	.1	.9	1.6	.8	.8													21	21	88
55		1.3	1.9	.6	.4	.1												30	30	31
53		.6	.4	.9	.5													12	13	28
51			.3	.1	.1													3	3	19
49			.1	.1	.1													3	3	15
47				.1														1	1	3
45																				3
43																				1
41																				1
39																				1
37																				4
35																				2
33																				2
TOTAL	15.1	32.7	30.8	14.5	5.3	1.6												695	704	695

Element (K)	Σg'	Σx	Σ	Σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 90 F	
Rel. Hum.	5118115	59121	85.1	11.319	695							
Dry Bulb	3195169	46869	66.6	9.959	704			47.3	13.8	.1		99
Wet Bulb	2851877	44287	63.7	8.559	695			33.7	9.5			90
Dew Point	2498067	42263	61.8	7.799	695			27.6	3.0			90

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724090 PATUXENT RIVER NAS MD

73-80

YEAR

SEP

PAGE 1 0600-0800  
MOON (L. S. P.)

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				
44/ 83					.1	.1	.1											3	3						
46/ 81						.1												1	1						
48/ 79	.4	.1		.4	.4													10	10	3	3				
50/ 77	.3	1.0	1.6	.7	.9													31	31	5	4				
52/ 75	.4	2.2	1.9	2.0	.1		.1											47	48	14	9				
54/ 73	1.2	2.2	2.9	2.0	.7	.3												68	68	26	25				
56/ 71	2.3	3.8	3.9	1.2	.7	.3												84	85	64	51				
58/ 69	2.1	2.7	5.3	1.4	.9	.1												92	93	88	75				
60/ 67	1.3	3.6	3.0	1.3	.6	.3												70	70	65	64				
62/ 65	1.9	5.2	2.9	2.5	.7	.3												93	93	89	85				
64/ 63	1.3	3.3	1.7	2.5	1.2	.4												72	72	78	69				
66/ 61	.7	2.2	1.6	1.0	.6													42	43	65	57				
68/ 59	.1	1.4	1.6	.9	.4													31	31	52	54				
70/ 57	.5	.9	1.2	.4	.4													22	22	46	47				
72/ 55		.7	.6	.6	.4													16	16	28	43				
74/ 53		.1	.7	.1	.1													8	9	19	29				
76/ 51			.3	.4														5	5	11	27				
78/ 49				.1														1	1	19	10				
80/ 47				.1														1	1	2	13				
82/ 45																				4	14				
84/ 43																				2	2				
86/ 41																					3				
88/ 39																					2				
90/ 37																					5				
TOTAL	13.0	29.4	29.1	17.7	8.4	2.0	.3											693	698	693	693				
Element (X)	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	X <sub>5</sub>	X <sub>6</sub>	X <sub>7</sub>	X <sub>8</sub>	X <sub>9</sub>	X <sub>10</sub>	X <sub>11</sub>	X <sub>12</sub>	X <sub>13</sub>	X <sub>14</sub>	X <sub>15</sub>	X <sub>16</sub>	X <sub>17</sub>	X <sub>18</sub>	X <sub>19</sub>	X <sub>20</sub>	X <sub>21</sub>	Total			
Ref. Hum.	4948246	57962	83.6	1.800	693	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 83 F											90			
Dry Bulb	3229090	47284	67.7	6.104	698			52.2	20.2	1.3												90			
Wet Bulb	2916127	44725	64.5	6.546	693			37.0	8.8	.4												90			
Dew Point	2744978	43282	62.5	7.760	693			30.0	5.1	.4												90			

FORM 0-26-5 (OLAI)  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAP/LIAC  
 AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

224140 PAIUMENT RIVER NAS MD STATION NAME

73-80

YEAR

SEP

PAGE 1 0900-1100

GMT (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	Wet Point																			
67 95																		1	1																					
74 73																		2	2																					
77 71																		1	1																					
84 87																		11	11																					
86 85				.1	.1	.7	.3											12	12																					
87 83			.8	.7	1.3	1.0	.3											10	10																					
87 81		.8	.8	2.0	2.3	.9	1.0	.3	.1									52	52	2																				
87 79		.8	1.0	2.1	1.8	1.0	1.0	.8										67	68	4	6																			
77 77	.1	.8	1.3	2.3	3.4	1.3	1.3	.8	.1									78	78	20	6																			
76 75	.3	.3	1.1	2.7	2.9	1.7	.7	.3										70	70	52	16																			
74 73		1.3	2.4	2.6	.9	1.3	.9		.1									66	66	60	31																			
72 71	.8	2.0	2.8	1.1	2.0	.7	.7	.1										81	81	76	68																			
71 69	.6	.7	1.7	2.3	2.0	1.4	.9											67	67	106	82																			
69 67	.3	1.2	1.7	1.2	1.7	1.7	.6											58	58	80	67																			
76 65	.1	.9	.7	1.6	1.6	.9	.1											41	41	71	78																			
67 63	.8	.8	.8	.8	.7	1.1												23	23	57	78																			
62 61	.3	1.1	.9	.3	.9	.3	.3											28	28	47	69																			
61 59			.1	.1	.3	.1												5	5	62	52																			
57 57					.3	.1												3	3	40	60																			
56 59			.1		.3													3	3	16	36																			
54 53			.1		.1													2	2	14	29																			
52 51																				7	26																			
51 49																				4	23																			
84 87																				2	18																			
87 85																				1	10																			
79 73																					8																			
87 79																					3																			
77 77																					1																			
TOTAL	2.6	9.3	14.7	22.0	22.3	16.3	8.6	2.4	1.6	.6								701	702	701	701																			
																					701	701																		
Element (H)	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	Elem. No. of Hours with Temperature					Total																												
Dry Bulb	252210	49219	70.2	1.887	781	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	00P	28																		
Wet Bulb	252773	51677	75.0	0.717	782																	28																		
Wet Point	252208	49715	69.9	0.299	781																	28																		
Wet Ratio	251619	48878	62.9	7.287	781																	28																		

USAP/LIAC FORM 8-26-5 (OL/A) - THIS FORM IS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124 104 PALMERI NIVEN HAS RD  
 STATION STATION NAME

73-80

YEARS

SEP

PAGE 1 1200-1800  
 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
97										.1							1	1		
95									.1								1	1		
93							.1	.1									2	2		
91								.1	.8	.1	.3						2	2		
89							.1	.8	.8	.1	.1	.3					19	19		
87						.8	1.7	1.0	.7	.3	.1						33	33		
85		.3	.4	1.0	1.1	.7	1.0	.4									41	41		
83			1.0	2.8	1.0	.4	.8	.4									48	48		
81		.1	.4	1.0	2.1	1.1	1.0	.4									57	57	3	
79		.8	.4	.8	2.0	3.7	1.3	1.3	.1								78	78	11	2
77	.3	.7	.8	1.7	2.7	1.3	3.3	1.1		.1							83	83	42	6
75		.3	2.3	1.6	2.7	2.3	1.0	.4	.3	.8							83	83	52	29
73	1.0	.3	1.1	3.3	1.4	1.7	.3	.1	.1								66	66	67	30
71	.8	.3	.8	1.7	.7	1.6	2.3	.4									59	59	101	42
69	.8	.3	1.1	.8	.7	1.6	1.1	.7	.3								49	50	59	70
67	.4	.4	1.0	1.1	.7	1.1	.4	.4									38	38	81	54
65	.8	.1	.4	.8	.1	.4	.4										24	24	94	37
63	.3	.4	.1	.4	.1	.1	.1										13	13	98	79
61	.1	.1	.4			.1											6	6	51	64
59	.3					.3											9	9	90	59
57					.1	.3											3	3	26	52
55																			19	39
53																			9	48
51																			3	28
49																			5	18
47																				8
45																				13
43																				6
41																				10
39																				8
TOTAL	2.0	5.1	7.6	11.3	11.2	9.3	6.3	11.0	3.8	1.3	.7	.3					706	708	706	706

Station (E)	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	S <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 67 F	≥ 70 F	≥ 75 F	≥ 80 F	≥ 85 F		
Dry Bulb	2984872	44782	63389	682	706			83.6	65.0	30.3	.5	90
Wet Bulb	4183813	54219	76.6	6.788	706			53.0	22.3	.6		90
Dew Point	2876666	47891	67.0	6.304	706			32.5	8.2			90



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124060 PAIQUENT RIVER NAS MD STATION NAME

73-80 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
08/ 97											.1							1	1	
06/ 95																		1	1	
02/ 91											.1							1	1	
00/ 89								.1	.1	.6	.1							8	8	
08/ 87					.1	.6	.4	.4	.6	.1								16	16	
06/ 85				.1	.7	2.1	.1	.6	.3				.3					30	30	
04/ 83				.4	2.3	1.4	.9	1.0	.7									47	47	
02/ 81			.4	.4	2.7	1.7	1.0	1.1	.9	.3								62	62	1
00/ 79			1.6	1.9	2.3	4.3	.7	1.1	.4	.3								88	88	8
10/ 77	.1	.7	.9	2.0	3.4	1.4	2.0	.4	.1	.1								81	81	28 5
10/ 75	.1	.9	1.9	1.0	1.1	2.4	2.1	.4	.3	.4								77	78	59 24
14/ 73	.1	.9	1.1	2.7	2.0	2.0	1.1	1.4	.1									81	81	68 37
12/ 71	.3	.7	1.0	1.3	2.3	.7	2.1		.3	.1								62	62	89 63
10/ 69	.1	.7	.4	1.1	.9	1.3	1.4	.4	.4									50	50	81 73
08/ 67	.3	.7	1.0	1.6	.6	1.1	.4	.7										45	45	72 52
06/ 65	.9	.7		1.4	.4	.3	.4	.4										32	32	80 57
04/ 63		.1	.4	.3														7	7	64 72
02/ 61		.4	.1	.1			.1											7	7	53 49
00/ 59					.3	.1												3	3	47 66
00/ 57					.4													3	3	21 52
00/ 55																			1	10 26
00/ 53																				14 35
00/ 51																				3 30
00/ 49																			1	4 15
00/ 47																				12
00/ 45																				4
00/ 43																				11
00/ 41																				7
00/ 39																				9
00/ 37																				1
TOTAL	1.4	6.0	9.3	14.7	19.0	19.8	13.2	9.1	4.6	1.7	.3							702	705	702

Element (R)	S <sub>1</sub>	S <sub>2</sub>	I	a	No. Obs.	Hours No. of Hours with Temperature						
Ref. Num.	3092253	83149	48.645	118	702	0 F	32 F	67 F	75 F	80 F	90 F	Total
Dry Bulb	4079876	33418	75.8	6.957	705			83.1	63.1	26.9	.3	90
Wet Bulb	3229992	47400	67.3	6.174	702			82.3	21.9	.3		90
Dew Point	278337	63485	62.1	8.385	782			82.6	6.3			90

USAFETAC FORM 6-26-53 (01-A) (When Filled In, This Form and Summary)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
 STATION STATION NAME

73-80  
 YEARS

SEP  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point
92/ 91								.1										1	1		
90/ 89								.1										1	1		
88/ 87									.1									1	1		
86/ 85						.3												2	2		
84/ 83					.5	.6				.1								7	7		
82/ 81			.6	.4	1.0	.3	.1	.1										18	18		
80/ 79			1.8	2.1	1.0	1.1	.4	.4										49	49		
78/ 77	.1	.7	2.0	.7	2.0	.9	.7	.1	.1									52	53	7	2
76/ 75	.4	1.6	2.1	3.0	2.6	.9												75	75	42	16
74/ 73	.4	2.4	3.0	3.1	1.7	1.1	.9											89	89	49	33
72/ 71	.6	2.8	3.7	3.4	1.4	1.1	.3	.2										96	96	70	58
70/ 69	.7	.9	3.5	2.3	2.3	1.4	.1											79	79	88	68
68/ 67	.1	1.3	3.1	3.3	1.0	1.1	.4	.1										74	74	75	49
66/ 65	.3	2.0	1.7	3.0	1.8	.6	.3											68	69	87	64
64/ 63	.4	.6	.9	2.3	1.1	.7	.4											45	45	76	84
62/ 61	.1	.4	.3	1.0	.1	.3	.1											17	18	63	65
60/ 59			.1	.9		.4												10	10	49	50
58/ 57		.1	.9	.1	.3													10	10	40	48
56/ 55			.1	.3														3	3	22	41
54/ 53				.3	.6													6	7	17	40
52/ 51			.3															2	2	7	28
50/ 49																				6	20
48/ 47																				4	12
46/ 45																				3	2
44/ 43																					8
42/ 41																					9
40/ 39																					6
38/ 37																					2
TOTAL	5.5	12.8	24.1	26.1	17.2	10.8	3.8	1.6	.4									705	709	705	705
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4009566	52336	74.2	13.292	705	< 67 F	< 73 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	3600917	50343	71.0	6.093	709			69.2	37.6	6.5		90									
Wet Bulb	3058852	46224	65.6	6.321	705			42.3	12.5			90									
Dew Point	2762243	43771	62.1	7.966	705			28.9	6.5			90									

FORM NO. 1 6-26-5 (O.L.) BRUSH NEARBY SOURCE OF THE FOLLOWING ELEMENT

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

SEP  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
87								.1									1	1		
83								.1	.1								2	2		
81			.1	.4				.1									5	5		
79			.6	1.1	.3												14	14		
77	.1	.9	2.1	1.7	.4	.6											41	41	4	1
75	.4	1.8	2.0	1.0	1.5	.5	.1										49	50	21	11
73	.7	3.6	2.1	2.8	1.0	.1											73	73	56	33
71	1.1	3.4	5.0	2.3	1.1	.4	.3										96	97	53	58
69	1.4	2.6	3.3	1.8	1.0	.7	.4										79	80	75	64
67	.6	1.6	5.8	2.7	1.1	1.0	.1										91	91	88	86
65	.1	4.3	4.3	3.1	1.1		.3		.1								94	95	54	67
63	.5	2.1	2.7	1.7	.4	.1	.4										55	55	109	72
61	.6	1.3	1.4	1.6	.3	.6	.3										42	42	70	70
59		.3	1.6	1.6	.8	.8											30	30	61	75
57		1.3	.9	.3	.3	.1											20	20	32	39
55			.3	.1													3	3	37	47
53			.3	.1	.1												4	4	20	31
51				.6	.1												5	5	12	29
49																			10	23
47																			2	10
45																				6
43																				4
41																				6
39																				6
37																				3
33																				1
TOTAL	5.4	23.0	32.4	23.0	9.1	4.7	2.1	.1	.1								704	704	704	704

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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	3559989	48599	79.6	2.376	704			57.7	23.6	1.4		90
Wet Bulb	2949522	45432	64.5	6.379	704			37.5	10.4			90
Dew Point	2736638	43518	61.8	7.919	704			27.2	5.8			90

FORM NO. 4 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM AND SUBSEQUENT

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

12404U PATUXENT RIVER NAS MD

73-80

SEP  
 MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point
48/ 97										.0	.0							2	2		
46/ 95										.0	.0							3	3		
44/ 93									.0	.0	.0							4	4		
42/ 91									.0	.1	.0							5	5		
40/ 89							.0	.0	.2	.1	.0	.0	.0		.0			24	24		
38/ 87						.0	.2	.3	.2	.2	.1	.0						62	62		
36/ 85			.1	.1	.3	.5	.1	.2	.1	.0	.0							85	85		
34/ 83			.1	.3	.9	.5	.2	.1	.2									137	137		
32/ 81		.1	.2	.5	1.0	.7	.4	.4	.2	.0								197	197	6	
30/ 79	.1	.2	.7	1.1	1.1	1.6	.4	.4	.1	.0								319	320	28	11
28/ 77	.2	.7	1.4	1.4	1.8	.7	.9	.3	.1	.0								409	410	111	27
26/ 75	.2	1.2	2.0	1.6	1.4	1.1	.5	.2	.1	.1								480	484	258	119
24/ 73	.6	2.1	2.1	2.2	1.3	.8	.6	.2	.1	.0								555	556	413	232
22/ 71	1.3	2.8	2.9	2.0	1.1	.6	.7	.1	.0	.0								652	654	609	451
20/ 69	1.6	1.7	2.9	1.5	1.1	.9	.5	.1	.1									586	593	641	587
18/ 67	.8	1.9	3.2	2.0	.9	.9	.3	.2										561	565	604	446
16/ 65	.8	3.2	2.0	2.1	.9	.3	.2	.1	.0									543	546	628	561
14/ 63	.6	1.5	1.4	1.4	.6	.4	.1											337	337	613	575
12/ 61	.5	1.3	1.1	.8	.4	.2	.1											239	243	474	509
10/ 59	.1	.5	.9	.9	.3	.2												160	160	404	460
08/ 57	.1	.5	.8	.2	.3	.1												111	112	291	372
06/ 55		.5	.4	.3	.1	.1												68	70	182	304
04/ 53		.1	.2	.1	.2													37	40	155	240
02/ 51			.1	.1	.0													16	16	77	233
00/ 49			.0	.1	.1													8	9	64	155
48/ 47			.0															2	2	18	89
46/ 45																				17	78
44/ 43																				7	47
42/ 41																				2	44
40/ 39																					38
38/ 37																					18
36/ 35																					7
34/ 33																					4

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	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												

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS SEP MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
1	0.7	18.0	22.5	18.6	13.8	9.8	5.6	3.1	1.3	.4	.1	.0										5602	5636	5602	5602	
2																										
3																										
4																										
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79																										
80																										

FORM 8-65 (OL.A) REVERSE VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Elem No. of Hours with Temperature					Total	
						≤ 6 F	≤ 22 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	
Rel. Hum.	33132967	622047	75.315	8.13	5602							
Dry Bulb	28670163	399907	71.0	7.228	5636			523.9	292.4	85.8	1.1	720
Wet Bulb	24387802	367562	65.6	6.861	5602			393.2	109.9	2.1		720
Dew Point	42062198	548799	62.3	6.002	5602			250.1	89.9	8.8		720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124140 STATION PATUXENT RIVER NAS MD 73-80 YEARS OCT MONTH  
 PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
14/ 73		.4	.4	.1	.1	.4																										11	11					
12/ 71				.5	.1	.1																										6	6	3	3			
7/ 69		.8	.3																													8	8	4				
6/ 67		2.0	2.0	1.0	.1																											38	38	13	13			
6/ 65	1.1	3.7	2.0	.7	.1																											56	56	35	21			
6/ 63	.3	3.7	1.0	1.0	.8			.1																								55	55	48	29			
2/ 61	1.1	1.5	1.5	1.5	.1	.4																										45	45	50	53			
1/ 59	1.4	1.1	1.9	.4	1.0																												42	42	38	38		
5/ 57	.8	1.9	4.1	1.1	.3																												60	60	40	29		
5/ 55	1.1	.8	2.3	2.3	1.0																												55	55	52	37		
4/ 53	.7	1.6	3.3	2.7	1.5																													72	72	49	53	
2/ 51	.5	1.6	3.8	2.5	.4																													64	64	50	37	
5/ 47	1.0	1.8	2.9	2.5	.7																													65	65	66	56	
4/ 47	.3	3.1	1.5	1.2	.3																													47	47	70	36	
4/ 45	.3	.4	1.4	2.3																														32	32	69	54	
4/ 43	.5	.5	1.2	1.2	.4																													29	29	34	63	
4/ 41	.1	.8	1.0	1.2																														23	23	30	37	
4/ 39		.7	1.0	.7																														17	17	37	51	
3/ 37			.7																															5	6	18	16	
3/ 35		.3	.4																															5	5	19	28	
3/ 33																																				6	26	
2/ 31																																				2	21	
5/ 29																																				17	17	
2/ 27																																					10	10
2/ 25																																					3	3
2/ 23																																					1	1
2/ 21																																					1	1
TOTAL	9.1	26.9	32.6	23.3	7.0	1.0	.1																												733	734	733	

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

Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	464419	97599	78.6	2.979	733	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 86 F	≤ 93 F	
Dry Bulb	2287073	40519	55.2	8.284	734			8.0	1.4			93
Wet Bulb	2021036	37966	51.8	8.666	733			.3	2.5			93
Dew Point	1798127	35505	48.4	10.345	733			6.7	2.0			93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PAUXENT RIVER NAS MD STATION NAME 73-80 YEARS PAGE 1 0300-0500 MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
74/ 73			.5																															4	4					
72/ 71			.3	.3	.1																														5	5				
70/ 69			.3	1.1	.1																														11	11	5	1		
68/ 67		.5	1.5	.8																																18	18	14	12	
66/ 65	1.2	2.7	1.8	.5				.1																												47	47	27	23	
64/ 63	1.0	5.2	1.8	.7	.1	.1	.1																													63	68	50	29	
62/ 61	1.4	2.2	1.1	1.0	.1																															42	42	44	54	
60/ 59	.5	1.2	2.3	.5	.4	.4																														40	41	32	28	
58/ 57	1.1	2.6	3.0	1.0	.5																															60	60	34	30	
56/ 55	.8	2.9	2.5	1.1	.7																															58	58	38	32	
54/ 53	.8	2.6	3.2	2.6	.5																															71	71	52	52	
52/ 51	.7	1.8	2.7	2.3	.1																															53	53	57	46	
50/ 49	1.0	3.2	2.9	2.3	.5																															72	72	60	49	
48/ 47	.7	2.9	1.6	1.9	.7																															57	57	62	45	
46/ 45	.5	1.8	.8	1.2																																30	32	70	47	
44/ 43	.1	1.2	1.4	1.1	.1																															29	29	39	50	
42/ 41	.5	1.9	1.1	.8	.1																															33	34	40	55	
40/ 39		.7	1.8	.4	.1																															22	22	33	48	
38/ 37			.1	.4																																4	4	18	24	
36/ 35			.4	.5																																7	7	23	27	
34/ 33			.1	.3																																3	3	11	19	
32/ 31																																						1	28	
30/ 29																																					2	15		
28/ 27																																						6	6	
26/ 25																																						5	5	
24/ 23																																						2	2	
22/ 21																																						1	1	
20/ 19																																						1	1	
TOTAL	10.7	35.0	31.1	18.0	4.4	.5	.3																														729	734	729	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4865486	58812	80.7	12.883	729	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2203719	39761	54.2	8.247	734			4.8	.5			93
Wet Bulb	1963839	37299	51.2	8.727	729			.4	2.4			93
Dew Point	1768290	35104	48.2	10.345	729			7.4	1.7			93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PATUXENT RIVER NAS MD 73-80 OCT  
 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															
74/ 73		.1	.7	.3		.1												9	9																	
72/ 71		.1	.4															4	4	2																
71/ 69		.6	1.2	.1	.1													15	15	6	3															
67/ 67	1.2	1.4	1.8	.6	.1	.1												36	36	17	15															
67/ 65	.7	3.4	.6	.4	.4													40	40	32	18															
74/ 65	1.4	3.3	1.7	1.1	.1	.1												56	57	54	43															
62/ 61	1.1	1.5	1.4	.1	.4	.1												34	34	31	45															
61/ 59	1.0	2.6	2.9	1.2	.3	.3	.3											62	62	43	24															
57/ 57	.8	2.1	2.6	1.2	.3	.4												54	54	43	39															
57/ 55	1.0	2.3	1.8	1.1	1.0													52	52	50	44															
74/ 55	1.3	2.1	3.2	2.3	.4	.1												66	66	50	51															
72/ 51	1.0	1.9	2.8	2.9	1.1													70	70	49	38															
57/ 49	1.4	1.9	3.2	2.6	.7													71	72	44	42															
48/ 47	.7	1.5	1.4	1.0	.6													37	38	70	49															
47/ 45	.6	.8	1.0	1.4	.7													32	32	66	43															
44/ 43	.4	1.2	1.0	.8	.1													26	26	37	43															
42/ 41	.3	1.5	1.0	.6														24	24	33	48															
47/ 39	.4	1.0	1.2	.7														24	24	28	45															
36/ 37		.4	.4															6	6	22	40															
36/ 35		.1	.3															3	3	21	23															
34/ 33		.3	.3															4	4	8	19															
32/ 31																					22															
30/ 29																				2	14															
28/ 27																					8															
26/ 25																					7															
22/ 21																					2															
TOTAL	12.6	30.3	30.6	18.5	6.3	1.4	.3											725	728	725	725															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4748971	58135	80.213	773	725	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2241139	39933	54.9	8.350	728			8.2	1.1			93
Wet Bulb	1993203	37477	51.7	8.789	725			3	3.2			93
Dew Point	1791702	35228	48.610	509	725		6.8	2.3				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

724140 PATUXENT RIVER NAS MD STATION NAME

73-80 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															
4/ 83							.1																										1	1	
7/ 81							.1																										2	2	
11/ 79					.1	.3	.1	.1	.1																								6	6	
7/ 77				.4	.5		.1	.5																									10	10	
76/ 75			.3	1.0	.7	.4	.7	.1	.1																								24	24	
74/ 73			.7	1.4	.3	.4	.5	.1	.1																								26	26	1
72/ 71		.3	1.1	.5	.8	.5	.3	.1																									27	27	11
70/ 69	.1	.3	1.5	1.2	.8	.7	.7																										40	40	25
67/ 67	.5	1.4	1.6	1.4	1.4	.8	.5	.5	.1																								58	58	28
66/ 65	.4	2.1	1.9	1.9	.3	1.0	.1	.3	.1																								52	53	39
64/ 63	.8	2.1	1.1	1.4	2.3	1.1	1.2	.3																									75	75	60
62/ 61	1.1	1.2	1.2	1.4	1.8	2.2	.7	.3																									72	72	57
61/ 59	.5	1.5	1.5	1.4	1.6	2.2	1.0	.3																									73	74	58
58/ 57	.4	.3	1.2	1.2	3.8	1.2	.4	.1																									68	65	46
57/ 55	.3	.1	1.5	1.4	1.5	1.5	.4																										49	49	53
54/ 55	.1	1.2	1.9	1.9	1.9	1.9																											48	48	38
52/ 51	.1	1.2	1.0	1.4	.5																												31	31	68
50/ 49	.1	.3	.8	.3	1.1	.8																											25	25	75
47/ 47	.1	.5	.3	.5	1.1	.4																											22	22	55
47/ 45				.5	.3																												6	6	39
47/ 43			.1	.4	.5																												8	8	23
42/ 41	.1	.3		.3	.1																												6	6	21
41/ 39	.1	.1	.3																														4	4	17
38/ 37			.1																														1	1	9
37/ 35																																			6
37/ 35																																		1	
36/ 31																																			
31/ 29																																			
27/ 27																																			
26/ 25																																			
24/ 23																																			
TOTAL	4.8	10.5	16.6	19.7	22.5	15.5	7.1	2.3	1.0																								730	730	730

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3438580	48574	66.5	16.821	730	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2800049	44911	61.3	8.127	730			24.6	8.8	.9		93
Wet Bulb	2262202	40172	55.0	8.408	730			8.3	.1			93
Dew Point	1864845	35999	49.3	11.086	730		7.4	3.4				93

USAFETAC FORM 8-64 0-26-3 (OLAI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS OCT MONTH  
 PAGE 1 1200-1800 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/ 85								.3	.1	.1																						4	4		
74/ 83				.1		.1	.3	.3						.3	.1																	9	9		
72/ 81					.1	.7	.5	.1	.4	.5	.1																					15	15		
70/ 79					.1	.4		.6	.4						.1																	12	12		
78/ 77			.3	.6	.4	.4	1.1	.7	.1																							26	26	1	
76/ 75			.1	1.0	1.1	.7	.3	.1	.1																							25	25	1	
74/ 73			.6	.8	.8	.8	.7	1.0						.3																		36	36	6	
72/ 71		.3	.6	.8	1.1	1.4	1.2	.4	.6																							46	46	18	
70/ 69		.4	1.9	1.5	1.1	1.5	1.2	.7	.3	.1																						64	64	22	
68/ 67	.4	.7	1.1	1.0	1.4	1.2	1.0	1.1	.7																							62	62	39	
66/ 65	.4	1.2	.3	1.0	.8	1.8	1.2	1.0	.1																							57	57	50	
64/ 63	.3	1.2	.8	1.5	1.0	1.5	3.0	.6	.3																							74	74	58	
62/ 61	.1	1.7	.6	.8	1.7	2.9	1.9	.7	.3																							77	77	51	
60/ 59	.5	.4	1.4	.4	1.2	2.9	1.2	.5	.5																							61	61	65	
58/ 57	.1	.1	.7	.7	1.0	2.1	1.5	.4																								48	48	51	
56/ 55		.3	.3	.7	1.2	1.4	.7																									33	33	47	
54/ 53			.4	.3	.6	1.0	.7																									21	21	58	
52/ 51			.6	.3	1.1	.7	.3																									21	21	72	
50/ 49			.1	.1	.1	.8																										9	9	51	
48/ 47		.6			.7	.5																										11	12	43	
46/ 45	.3			.1	1.0																											10	10	39	
44/ 43	.1			.1																												2	2	20	
42/ 41		.1																														1	1	11	
40/ 39	.1																															1	1	18	
38/ 37	.1																															1	1	5	
36/ 35																																			
34/ 33																																			
32/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
TOTAL	2.3	7.0	9.6	11.8	16.5	22.0	16.7	8.1	3.7	.8	.6	.1																				726	727	726	
Element (X)	2x'	2x	X	%	No. Obs.	Mean No. of Hours with Temperature						Total																							
Ref. Num.	2711629	42575	58.6	7.216	726	< 6 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total																							
Dry Bulb	3096232	47046	64.7	8.444	727			38.2	16.2	4.1		93																							
Wet Bulb	2356125	40921	56.4	8.272	726			11.1	1.0			93																							
Dew Point	1853126	35538	49.0	1.358	726		7.6	3.5	.3			93																							

FORM NO. 0-26-5 (O.L.A.) REVISION 10-65  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724000 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 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	Dew Point																
85								.1																									1	1		
83								.3																									8	8		
81								.4																									3	3		
79				.1	.1			.8																									8	8		
77				.1	1.0	.5	.3	.5	.1	.1																							20	20		
75				.4	.7	.7	.7	.7	.5	.3	.1																						28	28	1	
73				.4	1.5	.8	.8	.8	.3	.1																							35	35	2	
71				.7	1.2	1.0	1.1	.8	.8	.3	.1																						45	45	12	
69	.1	.5	.7	2.0	1.4	1.9	.7	.4	.3	.1																							60	60	29	
67	.3	1.0	1.1	1.8	.8	1.8	.8	.5	.3																								61	61	24	
65	.4	.5	1.2	1.9	1.1	1.6	1.4	.3																									62	62	45	
63	.5	2.2	1.2	1.8	.7	1.9	1.2	.4	.5																								77	77	59	
61	.1	1.1	1.1	.7	1.2	1.9	1.1	.8	.4																								62	62	73	
59	.4	.3	2.0	.8	2.2	2.2	1.2	.3	.1																								70	70	64	
57	.1	.3	.1	.8	1.9	2.0	1.4	.1																									50	51	54	
55	.3	.5	.4	.7	1.2	1.6	1.1																										43	43	47	
53	.1		.4	1.4	.3	1.9	.4																										33	33	58	
51	.1		.8	.2	.2	.8	.5																										23	23	56	
49		.1		.4	.4	.8																											13	13	51	
47		.4	.4	.3	.7	.3																											15	15	54	
45			.1	.4																													4	4	32	
43	.5	.3		.7	.1																												12	12	35	
41		.1																															1	1	12	
39																																				16
37																																			8	
35																																				23
33																																				24
31																																				31
29																																				21
27																																				22
25																																				6
23																																				12
TOTAL	2.9	7.8	11.2	17.4	16.3	22.2	12.4	5.7	3.0	.7	.4																							734	734	734

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	%	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2979508	44969	61.3	17.523	734	< 60 F	< 55 F	< 50 F	< 45 F	< 40 F	< 35 F	Total
Dry Bulb	3010007	46693	63.5	8.229	735				34.0	13.0	2.2	93
Wet Bulb	2391161	41019	95.9	8.183	734				8.6	.4		93
Dew Point	1856195	15975	49.8	1.210	734				8.1	3.9	.1	93

FORM 44-100 0-26-5 (OL A) REVISED PERIODIC SERVICES OF THIS FORM ARE DISCONTINUED  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

124090 PATUXENT RIVER NAS MD 73-80 OCT  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb
76/ 75			.1	.3	.4	.1	.4										10	10	
74/ 73			.4	.4	.3	.3											10	10	
72/ 71		.6	.8	.6	.6	.1					.1						20	20	3
70/ 69		.8	1.2	.4	1.1		.3	.1									29	29	14
67/ 67	.4	.7	2.1	1.4	.8	.6	.1										44	44	20
66/ 65	.3	2.5	1.1	1.2	1.7	.1											50	50	27
64/ 63	.3	3.3	1.7	2.3	1.1	.4											66	66	51
62/ 61	.6	2.2	1.7	1.5	1.2	.8	.1										59	59	48
60/ 59	.3	1.1	2.9	1.9	1.5	.8	.3										64	64	46
58/ 57	.4	1.0	2.8	2.2	2.2	.4	.3										67	67	66
56/ 55	.6	1.1	1.7	2.9	2.2	.6											65	65	50
54/ 53	.3	.6	1.8	2.1	1.8	1.1	.3										57	57	59
52/ 51	.3	.6	2.9	2.6	1.9	.4											63	63	52
50/ 49		1.1	1.9	.8	1.4	.4											41	41	49
48/ 47	.1	.1	1.0	2.2	.7	.4											33	33	60
46/ 45	.1		.3	1.0	.6												14	14	43
44/ 43	.1	.1	.7	1.2	.1												17	17	40
42/ 41	.4	.6	.1	1.0													15	15	37
40/ 39				.4													3	3	22
38/ 37																		1	10
36/ 35																			8
34/ 33																			2
32/ 31																			
30/ 29																			
28/ 27																			
26/ 25																			
TOTAL		.116	.225	.026	.419	.5	6.6	1.8	.3								727	728	727
Element (X)	Σx <sup>2</sup>	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Hum.	3895547	52115	71.7	14.844	727	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb	2504903	42323	58.1	7.816	728			14.0	2.6			93							
Wet Bulb	2112865	38733	53.3	8.237	727			8.7				93							
Dew Point	1798496	35348	48.6	10.485	727		6.5	2.8				93							

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724000 PATUXENT RIVER NAS MD 73-80 OCT  
STATION MONTH

PAGE 1 2100-2300  
WORLD I. T. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
14/ 73		.3	.3		.4		.4											10	10					
16/ 71		.4	.4		.4	.4												10	10	3	2			
17/ 69		1.2	1.2	.8	.3	.1												27	27	9	7			
66/ 67		.8	2.3	.3	.4	.1	.1											30	30	18	8			
16/ 65	.7	2.3	1.0	2.5	1.1		.3											57	57	22	16			
18/ 63	.8	3.2	.7	2.2	.3	.3												51	51	27	28			
12/ 61	.7	2.2	1.9	1.2	.3		.1											47	47	51	43			
16/ 59	.7	1.8	1.8	1.4	.7	.1												50	50	39	35			
57/ 57	1.0	1.2	2.6	1.4	1.2	.5												62	62	62	40			
51/ 55	.4	1.6	3.0	3.3	2.1	.3												78	78	41	36			
14/ 53	.7	1.1	2.5	1.6	.7	.1	.3											51	51	54	48			
12/ 51	.5	1.9	3.2	2.9	1.1	.1												71	72	60	47			
50/ 49	.1	1.8	2.9	1.4	1.8													58	58	67	51			
40/ 47	.3	1.4	1.0	2.2	.4													38	38	72	49			
47/ 45	.3	1.0	1.0	1.1	.5													28	29	47	40			
49/ 43	.1	.3	.5	1.1														15	16	33	62			
42/ 41	.5	.3	1.6	1.4														28	28	44	40			
41/ 39		.1	.8	.8														10	10	21	45			
31/ 37			.7	.3														7	7	18	21			
30/ 39																				16	16			
34/ 33																				8	36			
32/ 31																					18			
30/ 29																					11			
28/ 27																					22			
21/ 25																					4			
TOTAL	9.5	26.6	12.9	32.0	11.4	2.2	1.2											728	731	728	728			

Element (H)	Σh'	Σh	Σ	Σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	8308875	551085	75.650	818	728	< 6 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	2351940	91036	56.1	8.137	731			9.8	1.3			93
Wet Bulb	2031176	37956	52.1	8.978	728			3.3				93
Dew Point	1772173	18117	48.250	388	728		7.0	2.2				93

FORM NO. 0-26-5 (OLA) PREPARED BY THE AIR WEATHER SERVICE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD  
 STATION STATION NAME

73-80  
 YEARS

OCI  
 MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
60								.1	.0	.0								5	5						
61				.0		.0	.1	.1	.0	.0	.1	.0						18	18						
62				.0	.0	.0	.1	.0	.1	.1	.1	.0						20	20						
63			.0	.0	.0	.1	.0	.1	.1	.1	.1	.0						26	26						
64			.0	.1	.1	.2	.1	.2	.2	.0	.0							56	56	1					
65			.1	.3	.4	.2	.3	.1	.1	.0								87	87	2	1				
66		.1	.5	.6	.5	.4	.3	.2	.0	.0								141	141	9	2				
67		.2	.5	.5	.5	.5	.3	.2	.1	.0								163	163	52	8				
68	.0	.6	1.1	.8	.6	.5	.4	.2	.1	.0								254	254	114	54				
69	.4	1.2	1.6	.9	.6	.6	.3	.2	.1									347	347	169	102				
70	.7	2.3	1.1	1.3	.7	.6	.4	.2	.0									421	422	277	199				
71	.6	3.1	1.2	1.6	.8	.7	.7	.2	.1									517	519	427	273				
72	.8	1.7	1.5	1.0	.9	1.0	.5	.2	.1									438	438	405	348				
73	.6	1.5	2.1	1.1	1.1	1.1	.5	.1	.1									462	464	385	292				
74	.6	1.2	2.1	1.3	1.4	.8	.4	.1										465	467	396	308				
75	.5	1.2	1.7	1.7	1.4	.7	.3											433	433	398	320				
76	.4	1.0	2.0	1.9	1.0	.7	.2											419	419	418	397				
77	.4	.9	2.2	1.9	1.0	.3	.1											396	397	464	317				
78	.4	1.5	1.8	1.5	.8	.4												352	353	500	343				
79	.3	1.3	.9	1.2	.6	.2												260	262	488	320				
80	.2	.5	.5	1.0	.4													156	159	405	350				
81	.3	.5	.6	.8	.2													138	139	258	444				
82	.3	.7	.6	.7	.0													131	132	228	355				
83	.1	.3	.6	.4	.0													81	81	192	333				
84	.0	.1	.3	.1														24	26	108	211				
85		.1	.2															15	15	93	196				
86		.1	.1															7	7	36	208				
87																				3	168				
88																				4	117				
89																					101				
90																					48				
91																					12				
92																					4				
93																					1				
Element (R)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total														
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 8-26-5 (OL A) USE PREVIOUS EDITIONS OF THIS FORM AND CHECKED  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 NOV  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
1/ 69			.4															3	3							
6/ 61		.1		.3	.8													9	9							
16/ 65		1.7	.3		.3													16	16	.4	1					
24/ 64	.8	1.0	.4	.1														18	18	2.0	19					
27/ 61	.3	1.7	.8	.8		.3	.1											29	29	1.4	17					
27/ 59	1.1	.7	.3	.8	.4	.3	.3											28	28	2.8	19					
5/ 57	1.5	1.0	1.0	.7		.1	.1											30	30	2.8	15					
57/ 55	.4	2.0	1.5	.5	.6	.3												39	39	2.4	28					
74/ 53	.6	1.1	2.1	.4	1.7	.4	.6											49	49	2.6	21					
77/ 51	.3	2.1	2.4	1.0	.8	.1	.1											49	49	3.1	17					
50/ 49	1.3	1.4	1.4	.7	1.4	.4												47	47	4.7	35					
47/ 47	.4	2.9	2.1	1.7	1.3													60	60	4.0	40					
47/ 45	.3	1.7	2.5	2.1	.7													52	52	5.1	34					
44/ 43	.4	2.2	2.5	2.8	.8													63	63	4.6	27					
42/ 41	1.1	.8	1.8	2.9	.4													51	51	7.5	36					
41/ 39	.7	1.7	2.1	2.0	.3													48	48	6.5	50					
32/ 37	.6	.8	1.8	2.2	.1													40	40	4.9	48					
31/ 35	.4	.1	2.2	1.3														29	29	4.3	48					
34/ 33	.4	.8	2.2	.3														27	27	3.4	46					
32/ 31		1.4	.1	.8														17	17	4.5	41					
31/ 29			.6	.1														5	5	2.2	23					
25/ 27		.1																1	1	.4	47					
26/ 25		.6																4	4	1.1	44					
24/ 23	.1	.3																3	3	3	19					
22/ 21		.1																1	1	3	20					
20/ 19																					15					
18/ 17																					3					
16/ 15																					8					
14/ 13																					2					
12/ 11																					2					
TOTAL	10.5	26.5	28.5	21.5	9.7	2.1	1.3											713	713	713	713					

Element (H)	8 <sup>h</sup>	2 <sup>h</sup>	4 <sup>h</sup>	6 <sup>h</sup>	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	0.37958	55088	74.5	10.127	713	< 67 F	< 72 F	< 77 F	< 82 F	< 87 F	Total
Dry Bulb	1670703	33065	47.5	9.349	713	3.9	1.5				90
Wet Bulb	1937882	31290	43.9	9.534	713	11.1					90
Dew Point	1197874	28002	39.3	11.740	713	27.9					90

USAFETAC Form 0-26-5 (OL A) 1-64 APPROVED VERSION OF THIS FORM AND CALCULATIONS



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724140 STATION PATUXENT RIVER NAS MD 73-80 YEARS NOV MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67			.6	.4														7	7		
68			.8	.6	.1	.6												12	12	3	1
69	.1	1.6	.6	.1	.1													18	18	16	11
70	.7	2.1	.3															22	22	18	18
71	1.1	.7	1.1	.3	.1	.4												27	27	28	25
72	.3	1.8	1.3	.8			.1											26	26	16	7
73	1.7	.4	1.6	.3		.3												30	30	29	31
74	.4	2.2	1.8	.8	.4													41	41	17	17
75	.7	2.1	2.0	1.1	.7	.4	.3											52	52	42	19
76	.7	3.1	2.8	.4	.7	.1												53	53	36	13
77	.3	2.3	1.7	1.7	1.0	.3												51	51	51	37
78	.1	1.8	2.5	3.5														57	57	35	13
79	.6	2.3	2.0	2.8	.4													57	57	49	28
80	.4	2.8	2.0	2.7	.3													55	55	65	27
81	.6	1.0	2.3	2.7	.4													49	49	63	50
82	.4	1.7	2.0	1.6														40	40	38	36
83	.7	1.0	2.5	.8														36	37	63	39
84	.3	1.8	3.1															38	38	82	52
85	.6	1.1	.8	.6														22	22	39	51
86		.7	.8															11	11	38	32
87		.3	.1															3	3	8	19
88																				10	19
89	.3	.1																3	3	4	13
90		.8																3	3	2	25
91																				1	13
92																					8
93																					2
94																					6
95																					1
TOTAL	10.2	31.3	31.0	21.5	4.2	1.6	.4											709	710		709

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	100522	58208	76.5	9.030	709	≥ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1589630	32934	46.4	9.350	710		9.3	.9				90
Wet Bulb	1387987	30619	43.2	9.656	709		12.4					90
Dew Point	117788	27666	39.0	1.761	709		29.8					90

FORM 0-26-5 (O.L.A.) PREVIOUS EDITIONS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124440 MAJUKENI RIVER NAS MU 13-60 NOV  
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														
67		.1	.3	.4														6	6																
65	.3	.7	.6	.5														13	13	4	2														
63	.6	.7	.6	.7														18	18	14	13														
61	.9	1.0	.9	.1														21	21	16	12														
59	1.4	1.0	1.3	.5	.5	.1												31	31	24	20														
57	.4	1.3	1.1	.8		.1												29	29	18	18														
55	1.3	1.0	1.4	.4	.1	.1												31	31	27	21														
53	.4	1.9	1.7	1.7	.3	.3												44	44	25	20														
51	.6	1.9	2.3	.6	.5	.1	.1											41	41	29	23														
49	.1	3.3	1.7	.7	.5	.5												45	45	44	31														
47	.5	3.3	1.6	2.4	.6	.1												58	58	42	35														
45	.6	1.7	3.3	3.7	.4													68	68	54	36														
43		1.7	2.0	2.4	.5													45	45	38	44														
41	.6	1.9	2.3	2.1														48	48	61	32														
39	.4	1.7	2.4	3.1	.5													56	56	58	38														
37	.7	1.9	1.7	1.9	.5													45	45	50	36														
35	.6	1.4	2.1	.7														34	34	57	41														
33	.4	.6	3.0															28	28	42	51														
31		1.9	1.7	.3														22	22	33	52														
29		1.3	.7															14	14	37	29														
27		.1	.6															5	5	10	48														
25																				6	35														
23																				4	18														
21	.1	.1																2	2	1	21														
19	.4																	3	3	6	10														
17																					9														
15																					4														
13																					3														
TOTAL	10.1	30.5	32.5	22.4	5.1	1.3	.1											702	702	702	702														

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	Q <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	4286741	51915	74.8	4.395	702	60 F	65 F	67 F	72 F	80 F	93 F	Total
Dry Bulb	1570371	32537	46.3	9.420	702			5.9	.8			90
Wet Bulb	1379685	30323	43.2	9.694	702			12.2				90
Dew Point	1169646	27464	59.1	11.653	702			29.4				90

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

124 190 PATUXENT RIVER NAS MD STATION NAME

73-80 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																	
16/ 75				.1		.3																										5	5				
17/ 73				.1	.1	.3	.4																										7	7			
17/ 71			.3	.3	.4																												7	7			
17/ 69			.6	1.0	.5	.4	.3	.4	.1																								22	22	2		
17/ 67		.6	.8	.4	.6	.4	.3																										22	22	5 1		
17/ 65	.3	.4	.7	.2	.6	.3	.1	.1																									20	20	12 11		
17/ 63	.4	1.0	1.0	1.0	.8	.4	.7	.3																									44	44	30 11		
17/ 61	.1	.4	.1	1.3	.8	.4	.7	.3																									30	30	25 18		
17/ 59		1.4	1.4	.8	1.0	1.3	.3	.3																									46	46	20 25		
17/ 57		1.3	1.3	.7	.8	.8	.6	.1																									40	40	34 21		
17/ 55	.4	1.0	1.3	.6	1.3	.6	.1																										37	37	36 16		
17/ 53	.1	1.0	1.0	1.3	1.0	1.1	.7																										58	58	38 23		
17/ 51	.1	.8	1.3	1.0	1.0	.7	.3																										43	43	43 37		
17/ 49	.1	1.1	1.4	2.1	1.6	2.0																											60	60	42 34		
17/ 47	.3	1.8	.8	2.5	3.4	.4																											66	66	55 38		
17/ 45	.1	.8	1.1	1.7	1.8	.4																											43	43	56 30		
17/ 43	.3	1.4	1.4	2.1	2.0	.1																											52	53	51 35		
17/ 41		.7	.8	2.1	2.4																												43	43	64 41		
17/ 39		.3	.8	2.5	.7																												29	29	58 33		
17/ 37		.3	.6	1.1	.1																												15	15	30 41		
17/ 35	.4	.1	.3	.3	.3																												10	10	48 48		
17/ 33				.6	.1																												5	5	32 37		
17/ 31				.3																													2	2	11 36		
17/ 29			.1																														1	1	4 32		
17/ 27		.1																															1	1	8 43		
17/ 25		.1																															1	1	2 33		
17/ 23																																				1	22
17/ 21																																				19	
17/ 19																																				8	
17/ 17																																				7	
16/ 15																																				4	
16/ 13																																				3	
TOTAL		3.0	16.0	17.8	24.0	22.9	10.0	4.5	1.6	.1																							707	708	707		
Element (X)	Z <sub>g</sub>	Z <sub>K</sub>	X	X <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	3226987	46173	45.3	17.308	707	= 0 F	= 32 F	= 47 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb	2013027	37159	52.5	9.422	708		.6	7.8	1.3			90																									
Wet Bulb	1618532	33170	46.9	9.399	707		3.3	.9				90																									
Dew Point	1299248	28576	40.4	12.151	707		20.4	.1				90																									

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

12490 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

NOV  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
74						.1		.1	.3							.1																5	5			
77									.1	.1	.1						.1															13	13			
75						.4		.1	.3	.3																						8	8			
73				.4	.4	.1	.4	.3	.3	.1																						15	15			
71			.4	.6	.7		.3	.4	.4	.3																						22	22	1		
69		.1	.6	.7	.1	.7	.6	.1	.3																							23	23	2		
67		.1	.3	1.0	1.1	.4	.6	.1	.4																							29	29	13	2	
65		1.4	.1	.6	1.3	.7	.7	.4	.7																							42	42	20	13	
63	.1	1.7	.3	.3	.4	1.0	1.1	.7	.3																							42	42	31	11	
61		1.1	.4	1.3	1.0	.3	.7	1.1	.1																							43	43	29	26	
59		.4	.3	1.0	.7	.4	1.0	.6																								31	31	32	22	
57	.1	1.4	.9	.3	.9	1.3	.7	.1																								40	40	37	13	
55	.3	.6	.4	.4	1.1	1.6	1.1	.4																								42	42	44	24	
53		1.4	.6	1.0	1.7	1.4	1.4																									53	53	35	28	
51		.6	1.3	1.0	2.3	2.1	.9																									57	57	32	33	
49	.4	1.1	.6	2.0	2.3	2.4																										62	62	46	29	
47		.9	.3	.7	2.7	2.5	.4																									51	51	61	32	
45	.1	.7	.7	.4	2.0	1.7																										40	41	48	42	
43		1.0	.3	.4	3.4	.4																										39	39	59	19	
41		.3	.4	.1	1.1	.6																										18	18	58	29	
39		.1	.7	.1	.4	.1																										11	11	44	34	
37		.3	.1	.7	.7																											13	13	46	39	
35	.1	.1																														2	2	37	41	
33																																		9	36	
31			.1	.1																												2	2	13	51	
29			.1																													1	1	4	35	
27																																			2	33
25																																			1	38
23																																				24
21																																				18
19																																				14
17																																				7
15																																				7
13																																				4
Element (R)	$\Sigma H'$	$\Sigma H$	$\Sigma$	$\sigma_a$	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) REVISION 10-64 (USAFETAC)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS NOV MONTH  
 PAGE 2 1200-1400 HOURS LT. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	1.3	13.5	9.9	13.2	24.7	18.2	10.4	6.0	3.1	.4	.3								709	705	704	704													

Element (X)	$\sum X'$	$\sum X$	$\bar{X}$	$s_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Rel. Hum.	2616665	40787	57.9	18.998	709							
Dry Bulb	2276353	19439	55.9	9.976	705		4	14.7	5.2	.1		90
Wet Bulb	1721606	34172	48.5	9.459	709		2.6	2.0				90
Dew Point	1498819	28261	40.2	12.729	709		29.5	.3				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

72-040 PATUXENT RIVER NAS MD 73-80 NOV  
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															
7 / 74								.3	.1								.1														4	4			
7 / 77						.1			.6	.1							.1														7	7			
7 / 75					.3	.1		.3	.1																						6	6			
7 / 73				.3	.1	.1	.1	.1						.3	.1																9	9			
7 / 71			.1	.3	.6	.1	.3	.4	.1	.1																					15	15			
7 / 69			.9	.1	.5	.1	.6			.1	.1																				18	18	5		
6 / 67		.3	1.0	.4	.1		.9		.5																						21	21	2		
6 / 65		.7	.7	.9	.1	.7	.3	.6	.7																						33	33	16		
6 / 63	.3	1.6	.4	.7	.3	1.1	.7	.9	.4																						45	45	31		
6 / 61	.1	1.4	.9	1.0	.6	.4	.4	.9																							40	40	27		
5 / 59	.3	1.4	.9	1.3	.6	.4	.4	.4																							40	40	32		
5 / 57		.4	.3	1.4	.3	1.4	.6																								31	31	33		
5 / 55	.1	2.0	1.6	1.6	.7	1.1	.4	.4																							56	56	51		
4 / 53		1.4	.7	.9	1.7	1.6	1.0	.1																							52	52	40		
4 / 51		.4	1.4	.7	1.6	1.8	.6																								46	46	48		
5 / 49	.6	1.4	1.0	2.0	2.3	2.7																									70	70	47		
4 / 47	.1	.7	.7	1.8	2.1	1.4	.6																								53	53	55		
4 / 45		1.6	1.6	1.0	2.3	1.1																									53	53	44		
4 / 43	.1	.7	.4	.9	2.4	.7																									37	37	61		
5 / 41		.6	.3	.6	1.3	.4																									22	22	65		
4 / 39		.1	.9	1.1	1.0	.1																									23	23	48		
3 / 37		.4			.4																										6	6	39		
5 / 35		.1		.4	.6																										8	9	35		
3 / 33	.1	.1		.6																											6	6	21		
2 / 31				.1																											1	1	7		
1 / 29			.1																												1	1	10		
2 / 27																																	5		
2 / 25																																1			
2 / 23																																	16		
2 / 21																																	16		
2 / 19																																	17		
1 / 17																																	11		
1 / 15																																	6		
1 / 13																																	7		

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 34 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 PATUXENT RIVER NAS MD 73-80 NOV  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1800-2000  
 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
14/ 13						.1												1	1		
16/ 11			.4		.5													5	5		
16/ 69			.1			.8												7	7		
66/ 67		.1	.5			.1	.4											9	9	3	3
16/ 65		1.7	.6	.4	.4	.1												23	23	6	
47/ 63	.3	.8	.4	.4		.1	.4											18	18	18	16
52/ 61	.4	1.6	1.1	1.0	.5		.1	.1										33	33	15	10
57/ 59	.4	2.1	1.3	1.1	.3	.3	.4											42	42	51	19
57/ 57	.8	.8	1.1	.7	.1	.7	.7											36	36	35	29
56/ 55	.1	1.6	1.4	1.0	.8	.8	.1											42	42	29	19
14/ 53		1.1	2.1	1.3	1.1	.8												46	46	26	23
27/ 51	.3	1.3	3.3	.8	.7	.3												47	47	30	26
50/ 49	.4	1.7	2.5	3.0	1.7	.1												67	67	48	29
40/ 47	.5	1.1	1.7	2.8	3.1	.3												66	66	61	33
46/ 45	.1	1.1	3.0	3.0	1.8	.7												69	70	49	43
44/ 43		.7	1.0	2.3	2.7													47	47	49	26
42/ 41	.3	2.1	1.4	1.7	1.3	.1												49	49	71	29
40/ 39		1.0	.4	2.8	.4													33	33	59	53
30/ 37			1.3	2.1	.4													27	27	48	41
36/ 35		.4	.7	.3	.4													13	13	39	45
34/ 33		.6	.8	.7														15	15	43	44
32/ 31			.3	.6														6	6	20	44
30/ 29			.4															3	3	11	31
28/ 27		.1																1	1	6	30
26/ 25			.1															1	1	8	41
24/ 23																					22
22/ 21																				1	18
20/ 19																					12
18/ 17																					8
16/ 15																					5
14/ 13																					4
12/ 11																					3
<b>TOTAL</b>	<b>3.5</b>	<b>20.1</b>	<b>26.2</b>	<b>26.1</b>	<b>16.0</b>	<b>5.7</b>	<b>2.3</b>	<b>.1</b>										<b>706</b>	<b>707</b>	<b>706</b>	<b>706</b>
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3534290	48560	68.8	16.599	706	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F										
Dry Bulb	1818582	35302	49.9	8.897	707		1.4	2.8	.1			90									
Wet Bulb	1506925	31957	45.3	9.256	706		5.9	.4				90									
Dew Point	1201984	27864	39.5	12.044	706		27.8	.4				90									

FORM 0-26-3 (OL A) REVERSE REVISED EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 NOV  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
69		.5	.3		.1	.3																												7	7				
67		.3	.1	.3		.1	.1	.1																											11	11	2	1	
65			1.1	.3	.4	.3		.1																											16	16	4	3	
63	.4	1.6	.8	.7	.1		.1																												24	24	14	10	
61	.1	1.8		1.3	.3	.3	.1																													28	28	21	16
59	.6	1.8	1.1	.4	.4		.1	.3																												34	34	26	17
57	.8	2.0	1.1	.1	.3	.1	.4	.1																												36	36	36	22
55	.1	1.1	1.3	.6	.8	1.0	.1																													36	36	26	22
53	.3	.8	2.0	1.1	1.3	.6																														43	43	25	23
51	.1	1.6	1.6	2.0	.7	.4																														45	45	25	25
49	.6	2.3	2.1	1.1	.8	.1																														50	50	37	28
47	.3	2.1	2.7	2.0	1.7																															62	62	49	27
45	.7	1.8	2.7	3.0	1.4																															62	62	72	43
43		1.4	2.0	2.0	1.6																															49	49	44	26
41	.6	2.0	1.8	2.3	.7																															52	52	64	42
39	.1	1.7	1.7	2.3	.8																															47	47	57	53
37	.1	.7	1.8	3.1																																41	41	48	42
35		.1	1.7	.8																																19	19	37	33
33		1.8	1.8	.4																																17	17	47	46
31		.6	.8	.8																																16	16	32	44
29		.1	.4	.1																																5	5	17	31
27		.1	.3																																	3	3	10	34
25		.3	.1																																	3	3	9	41
23			.1																																	1	1	3	24
21				.1																																1	1	1	18
19																																						2	15
17																																						8	
15																																						1	
13																																						3	
11																																						4	
9																																						2	
TOTAL		4.925	8.27	7.24	9.11	6.3	2.1	1.3	.6																											708	708	708	

Element (X)	Σ X <sup>2</sup>	Σ X	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3806495	50665	71.6	18.995	708	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1721594	34266	48.9	9.452	708		3.7	2.3				90
Wet Bulb	1453666	31352	44.3	9.612	708		9.4	.3				90
Dew Point	1183979	27677	39.1	11.990	708		29.1	.1				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

124040 PATUXENT RIVER NAS MD

73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.S./W.S.	TOTAL		
	0	1-2	3-4	5-6	7-8	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					
79						.0		.1	.1		.0								9	9					
77					.1		.0	.2	.0		.0								20	20					
75				.0	.0	.1	.0	.1	.1										17	17					
73				.1	.1	.1	.1	.1	.0										32	32					
71			.2	.1	.2	.0	.1	.1	.1	.1									49	49	1				
69		.1	.4	.2	.1	.5	.2	.1	.1	.0									80	80	9				
67		.2	.5	.4	.4	.2	.3	.0	.1										114	114	10				
65	.1	1.1	.4	.4	.4	.2	.2	.1	.2										175	175	69				
63	.4	1.3	.5	.5	.2	.4	.4	.2	.1										227	227	174				
61	.3	1.4	.6	.8	.4	.2	.3	.3	.0										246	246	165				
59	.6	1.2	1.0	.8	.5	.4	.3	.2											279	279	225				
57	.5	1.2	1.0	.7	.5	.6	.4	.1											263	263	217				
55	.6	1.2	1.3	.6	.7	.7	.2	.1											308	308	246				
53	.2	1.5	1.5	1.1	1.3	.8	.5	.0											386	386	312				
51	.3	1.3	1.9	1.0	1.1	.8	.3												380	380	280				
49	.5	1.9	1.6	1.5	1.4	1.0													454	454	367				
47	.2	1.9	1.5	2.0	2.0	.6	.1												467	467	414				
45	.5	1.5	2.2	2.3	1.3	.5													444	444	409				
43	.2	1.4	1.5	2.0	1.7	.2													389	390	397				
41	.4	1.3	1.4	1.8	.9	.1													330	330	523				
39	.2	1.0	1.4	2.1	.5	.0													296	296	452				
37	.2	.8	1.2	1.6	.3														227	227	358				
35	.3	.4	1.2	.6	.2														151	153	359				
33	.2	.6	1.3	.3	.0														132	132	270				
31	.1	.6	.4	.5															88	88	200				
29		.3	.4	.0															41	41	139				
27		.1	.1																14	14	53				
25		.1	.0																9	9	48				
23	.1	.1	.0																7	7	15				
21	.0	.1	.0																7	7	6				
19	.1																		5	5	7				
17																									
15																									
13																									
Element (X)	Σ <sub>h</sub>	Σ <sub>g</sub>	Σ	Σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISION 5/65  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS NOV MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL																																																																					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																
12/ 11																					10																																																																
12/ 2																					2																																																																
TOTAL	5.7	22.4	23.3	21.4	14.0	7.2	5.4	1.6	.7	.1	.1							5657		5652																																																																	
																	5652		5652																																																																		
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>Z<sub>1</sub></th> <th>Z<sub>2</sub></th> <th>X</th> <th>Z<sub>n</sub></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th>Ref. Num.</th> <th>28780636</th> <th>390282</th> <th>69.0</th> <th>18.076</th> <th>5652</th> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≤ 67 F</th> <th>≤ 73 F</th> <th>≤ 80 F</th> <th>≤ 93 F</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Dry Bulb</td> <td>14808959</td> <td>283769</td> <td>50.2</td> <td>10.055</td> <td>5657</td> <td></td> <td>21.5</td> <td>80.9</td> <td>9.9</td> <td>.1</td> <td></td> <td>720</td> </tr> <tr> <td>Wet Bulb</td> <td>12163939</td> <td>296429</td> <td>45.0</td> <td>9.080</td> <td>5652</td> <td></td> <td>39.9</td> <td>9.8</td> <td></td> <td></td> <td></td> <td>720</td> </tr> <tr> <td>Dew Point</td> <td>9675936</td> <td>223636</td> <td>39.6</td> <td>12.099</td> <td>5652</td> <td></td> <td>227.0</td> <td>1.3</td> <td></td> <td></td> <td></td> <td>720</td> </tr> </tbody> </table>																					Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	Z <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total	Ref. Num.	28780636	390282	69.0	18.076	5652	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	Dry Bulb	14808959	283769	50.2	10.055	5657		21.5	80.9	9.9	.1		720	Wet Bulb	12163939	296429	45.0	9.080	5652		39.9	9.8				720	Dew Point	9675936	223636	39.6	12.099	5652		227.0	1.3				720
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	Z <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																																																																									
Ref. Num.	28780636	390282	69.0	18.076	5652	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																																																																									
Dry Bulb	14808959	283769	50.2	10.055	5657		21.5	80.9	9.9	.1		720																																																																									
Wet Bulb	12163939	296429	45.0	9.080	5652		39.9	9.8				720																																																																									
Dew Point	9675936	223636	39.6	12.099	5652		227.0	1.3				720																																																																									

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS DEC MONTH

PAGE 2 0000-0200 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
✓ 1																				2
✓ -1																				1
-✓ -3																				1
-✓ -7																				1
TOTAL	5.7	32.4	33.9	18.7	7.5	1.4	.3										731	732	731	731

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3822081	51487	70.4	16.372	731	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1172529	28511	38.9	9.213	732		21.1	6.0				93
Wet Bulb	986140	25992	35.6	9.212	731			36.9				93
Dew Point	746539	21693	29.6	2.036	731	.8	88.5					93

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

160490 STATION PAIWARNI RIVER NAS MU 73-80 YEARS DEC MONTH  
PAGE 2 11300-11500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
1																					5		
-1																					2		
-5																					1		
INITIAL																			729	730	729		
																			729		729		

Element (X)	ΣX'	ΣX	X	C <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Ref. Num.	3686193	51963	71.325.823		729							93
Dry Bulb	1115109	27725	38.0 9.232		730		29.3	4				93
Wet Bulb	944523	25363	34.8 9.236		729		40.1					93
Dew Point	718782	41158	29.0 12.008		729	4	57.3					93

USAFETAC FORM 0-26-3 (O.L.A.) - REVISION 5-58 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 STATION PATUXENT RIVER NAS MD 73-80 YEARS DEC 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
69			.1	.5														3	3		
65			.5															4	4	3	
63		.4																3	3	1	
61		.4																3	3	6	4
59		.3	.1	.3														5	5	4	5
57		.1	.4	.5	.1													7	7	2	5
55	.1	.8	1.0															14	14	3	3
53	.1	.4	.4	.3	.4													12	12	12	4
51		.4	.7	.4	.3	.1												14	14	14	6
49	.1	1.4	.5	.3	.3	.1												20	20	9	17
47	.3	2.6	.4	.4	.7	.3												34	34	21	17
45	.5	1.0	.8	.4	.5													22	22	31	20
43	.1	2.7	1.4	1.8	.1													45	45	19	14
41	.8	2.0	3.1	1.8	.4													60	60	39	21
39	1.5	3.4	2.7	2.0	.5													75	75	59	31
37	1.1	2.7	2.7	2.9	.4													72	72	65	41
35	.5	2.6	3.4	3.1	.3													73	73	52	41
33	.5	2.6	3.5	1.8	.1													67	67	87	38
31	.3	3.0	2.6	2.0														58	58	63	57
29	.1	.8	2.5	.7														30	30	56	59
27	.1	1.6	2.0															28	28	44	43
25		1.4	1.8															23	23	48	44
23		1.2	.8	.1														16	16	24	31
21		1.4	1.2															19	19	26	41
19	.1	.8	.8															13	13	20	45
17		.5	.3															6	6	9	31
15		.1	.1															2	2	8	22
13		.1	.3															3	3	2	35
11		.3																2	2	2	25
9																				4	14
7																					3
5																					1
3																					8
1																					4
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 NO. 44 0-26-5 (OL A) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 JOAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724000 STATION PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS DEC MONTH

PAGE 2 0600-0800 HOURS (L. Y. 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												
-1 -5																																	
REL	5	2	2	4	4	1	4	5										733		733													
																		755		755													

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Dry Bulb	1100065	27533	37.6	9.486	733		25.4	.4				93
Wet Bulb	936463	25263	34.5	9.479	733		18.8					93
Dew Point	717719	21179	28.9	2.029	733	.4	59.1					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124 40 PATUXENT RIVER NAS MD STATION NAME

73-80 YEARS

DEC 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
11/ 64			.4															5	5		
12/ 67				.1	.1													2	2		
16/ 65			.4			.1												4	4	3	
14/ 63			.1			.1												2	2	2	2
27/ 61		.1	.3	.3	.1													6	6	4	3
17/ 59		.1	.3	.4	.3	.4	.1	.1										13	13	2	3
11/ 57		.4	.7	.5	.1	.3	.4											18	18	4	5
15/ 55	.3	1.4	1.0	.5	.4	.5	.4											33	33	14	7
14/ 53		.7	1.0	.4	.4	.5	.1											23	23	20	9
12/ 51	.1	1.2	.4	.5	.7	1.0	.4											32	32	15	14
10/ 49		1.5	1.0	.4	1.6	.4												36	36	27	18
07/ 47	.3	1.2	.7	1.2	1.2	.4												37	37	29	23
07/ 45	.4	1.6	2.5	3.4	1.4	.3												74	74	54	25
04/ 43	.1	1.6	1.5	2.1	1.9	.5												57	57	38	22
02/ 41	1.1	1.5	2.6	3.2	2.2	.7												82	82	76	27
01/ 39	.4	1.5	1.6	4.0	1.8													68	69	53	28
31/ 37	1.0	1.2	2.1	3.4	1.4	.1												67	68	77	39
19/ 35		1.0	1.5	1.5	.4													32	32	66	31
14/ 33	.4	1.1	.5	1.1	.5													27	27	72	51
12/ 31		.5	1.2	2.5	.4													34	34	48	67
11/ 29	.4	.4	2.1	.8														27	27	29	40
21/ 27	.3	.3	1.4	.5														18	18	29	48
10/ 25			2.3	.1														18	18	32	48
24/ 23			.4	.5														5	5	21	35
12/ 21		.1	.3															5	5	18	36
20/ 19			.4															3	3	7	19
11/ 17		.1	.1															2	2	3	21
10/ 15			.3															2	2	2	33
11/ 13																				1	26
11/ 11																				2	21
11/ 9																					11
08/ 7																					7
07/ 5																					2
04/ 3																					5
Element (K)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	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 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A14 WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD STATION NAME

73-80 YEARS

DEC 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																				
1																																									
-1																																									
TOTAL	4.5	17.9	27.0	22.7	5.1	5.5	5.5	1.5	.1																									728	750	728					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3279650	47112	64.7	17.819	728	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1366010	30852	42.3	9.230	730		14.3	.6				93
Wet Bulb	1095196	27448	37.7	9.106	728		24.5					93
Dew Point	78424	22155	30.4	12.301	728	.4	54.3					43

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

1200-1400 STATION PATUXENT RIVER NAS MD 73-80 YEARS DEC 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																							
14/ 73				.4																													3	3										
16/ 71				.3																															3	3								
17/ 69						.3																													3	3								
17/ 67				.1		.4			.3											.3															8	8		4						
16/ 65				.1	.3			.4												.6															10	10		2						
14/ 65				.4	.5			.4	.4																											12	12		6					
12/ 61				.1	.1	.1	.1																													4	4		5					
17/ 59				.7	.8	.1	.6	.1												.1																18	18		3					
17/ 57				.3	.8	.3	.3	.6	.6	.3																										22	22		5					
15/ 55		.3	1.2	.8	1.0	.7	.6	.8	.3																											41	41		10					
14/ 55		.1	1.1	.7	.6	.8	1.4	1.0	.3																											43	43		9					
12/ 51		.3	1.4	.4	1.4	1.8	1.9	.8	.1																											59	59		23					
15/ 49			1.0	.8	.4	.7	1.2	.8	.1																											37	38		16					
14/ 47			1.1	1.1	2.3	2.3	2.5	.1																												69	69		12					
17/ 45		.1	.3	1.8	2.6	3.4	2.2	.6																													80	80		22				
14/ 43		.1	.7	1.1	2.2	2.9	.7	.1																													57	57		17				
12/ 41		.6	2.2	.7	1.0	1.8	.7																														50	50		22				
14/ 39			1.4	1.7	1.7	1.7	.4																														49	49		27				
15/ 37		.1	.3	.6	1.1	1.8																															28	28		47				
15/ 35			.7	.6	1.1	1.5																															28	28		25				
14/ 33		.4	.6	.4	1.7	.6																															26	26		46				
12/ 31		.1	.1	.7	1.8	.7																															25	25		72				
12/ 29		.1		.8	1.8	.3																															22	22		43				
12/ 27		.5	.4	1.1	1.2																																22	22		49				
12/ 25				.4																																	3	3		32				
24/ 23																																							30	31				
12/ 21																																							2	35				
12/ 19																																							3	47				
18/ 17				.4																																		3	3		17			
10/ 15																																								25	25			
14/ 13																																								5	35			
11/ 11																																									15	15		
11/ 9																																									12	12		
11/ 7																																									9	9		

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

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS DEC 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															
≤ 5																						2														
5-10																						5														
10-15																						3														
15-20																						3														
TOTAL	2.6	12.7	15.9	23.9	22.9	13.0	6.2	1.9	.8	.1								725	726	725	725															
																						725		725												

Element (X)	Σx'	Σx	Y	Σx <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2669115	41713	57.5	19,288	725	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1584925	33189	45.7	9,663	726		9.6	2.2	.4			93
Wet Bulb	1195294	28694	39.6	9,076	725		18.7	.5				93
Dew Point	782635	21989	30.3	2,642	725	.4	55.8					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724 40 STATION PATUXENT RIVER NAS MD

73-80 YEARS

DEC 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																				
74/ 73				.1														1	1																						
72/ 71				.1														1	1																						
71/ 69			.5		.1		.5	.1										8	8																						
69/ 67				.3	.1		.3		.1									3	3	2																					
68/ 65		.1	.3	.1		.1			.3									7	7	4																					
64/ 63		.1			.1		.1	.4										6	6	1	.4																				
62/ 61					.3			.3										4	4	4	3																				
60/ 59			.1	.1	.3		.4			.1								8	8	3	3																				
58/ 57	.5	.1	.1	.4	.4	.4	1.0	.3	.3									24	24	5	2																				
56/ 55	.3	.7	.3	.1	.3	.7		.5										21	21	8	6																				
54/ 53	.3	1.5	1.4	.4	.4	1.0	.4	.1										40	40	12	.4																				
52/ 51		1.2	1.0	.4	1.1	1.2	.1	.3										39	39	24	11																				
50/ 49	.4	.5	1.2	1.0	1.8	1.2	.5	.1										50	50	32	23																				
48/ 47	.1	2.1	1.4	1.8	2.2	1.8	.5											72	72	34	17																				
46/ 45	.1	1.6	1.6	2.5	1.6	2.6	.3											76	76	36	29																				
44/ 43		1.5	3.0	2.6	1.4	1.2	.3											73	73	50	11																				
42/ 41	.1	1.8	1.6	2.2	1.6	.8												60	60	76	27																				
40/ 39	.3	1.6	2.1	2.2	1.9	.5												63	63	79	28																				
38/ 37	.1	1.0	1.8	1.8	1.9													48	48	74	40																				
36/ 35		.1	.5	1.4	1.0													22	22	68	39																				
34/ 33	.5	.4	1.0	1.1	1.0													27	27	57	59																				
32/ 31	.4	.3	1.4	1.1	1.2													32	32	37	51																				
30/ 29		.3	.4	1.6	.3													19	19	36	43																				
28/ 27	.4	.1	.3	1.1														14	15	31	49																				
26/ 25			.5	.4														7	7	17	39																				
24/ 23			.3															2	2	23	36																				
22/ 21				.1														1	1	9	28																				
20/ 19			.3															2	2	5	41																				
18/ 17			.1															1	1	1	35																				
16/ 15																				2	19																				
14/ 13																				1	27																				
12/ 11																					20																				
10/ 9																					12																				
8/ 7																					9																				
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>	Z <sub>11</sub>	Z <sub>12</sub>	Z <sub>13</sub>	Z <sub>14</sub>	Z <sub>15</sub>	Z <sub>16</sub>	Z <sub>17</sub>	Z <sub>18</sub>	Z <sub>19</sub>	Z <sub>20</sub>	Z <sub>21</sub>	Z <sub>22</sub>	Z <sub>23</sub>	Z <sub>24</sub>	Z <sub>25</sub>	Z <sub>26</sub>	Z <sub>27</sub>	Z <sub>28</sub>	Z <sub>29</sub>	Z <sub>30</sub>	Z <sub>31</sub>	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 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC AIR 34

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124000 MALDEN RIVER NAS MD STATION NAME

73-80 YEARS

DEC 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															
5																																			1	
3																																				3
1																																				8
-1																																				2
-5																																				2
TOTAL	3.1	15.2	21.2	22.7	19.2	11.6	4.0	2.2	.7	.1																						731	732	731		
Element (X)	Z <sub>g</sub> '	Z <sub>r</sub>	X	° <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	2869377	43505	59.5	19.592	731	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb	1497506	32440	44.3	9.050	732		10.0	1.7	.1			93																								
Wet Bulb	149605	28291	38.7	8.656	731		20.6	.3				93																								
Dew Point	765340	21852	29.9	12.393	731	.5	54.1					93																								

FORM 0-26-3 (OL-A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC AIR 24

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

124040 PAUXENI RIVER NAS MD STATION

73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
71/ 69			.3	.1														3	3	
62/ 67			.1															1	1	
66/ 65		.1	.3	.1			.1											5	5	3
47/ 65			.4	.1			.1											5	5	2
62/ 61		.1	.1	.1	.3		.3	.1										8	8	4
57/ 59		.3	.1	.3														5	5	4
58/ 57		.3	.4						.1									6	6	3
58/ 55	.3	.1	.4	.3			.4											11	11	6
47/ 55	.1	.3	1.1	.1			.5											16	16	11
62/ 51	.5	2.0	.5		1.1													29	29	14
58/ 49	.1	1.4	.3	.7	.4		.5	.1										26	26	23
47/ 47	.4	1.5	1.8	1.6	.1		.3	.1										43	43	18
46/ 45	.4	2.5	2.5	2.2	1.9		.1	.1										71	72	32
44/ 43	.3	2.0	2.7	1.8	1.9		.4											67	67	55
42/ 41		3.0	3.5	1.5	1.4		.3											71	71	40
40/ 39	.4	2.9	2.5	2.5	2.2		.1											77	77	75
38/ 37	.3	2.2	4.1	2.9	.7		.1											75	75	71
38/ 35		1.1	2.7	1.8	.3													43	43	68
34/ 33		.4	2.5	2.0	.3													38	38	68
32/ 31	.4	.8	1.8	3.0														44	44	59
30/ 29	.1	.3	2.2	1.1														27	27	41
28/ 27		.5	2.2	.7														25	25	37
26/ 25	.3	.3	1.6	.1														17	17	58
24/ 23			.7	.4														8	8	28
22/ 21		.1	.3	.3														5	5	13
20/ 19		.5	.1															5	5	9
18/ 17			.4															3	3	7
16/ 15																				1
14/ 13																				3
12/ 11																				
10/ 9																				12
8/ 7																				6
6/ 5																				3
4/ 3																				5
Element (X)	Σx'	Σx	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 (DL A) JAN 64  
 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD STATION

73-80 YEARS

DEC MONTH

PAGE 2 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	3.4	22.8	35.6	23.7	10.5	3.3	.8											734	735	734	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total
						< 60 F	60-64 F	65-69 F	70-74 F	75-79 F	> 80 F	
Rel. Hum.	2471048	98710	66.6	16.988	734							
Dry Bulb	1273361	29887	40.7	8.895	734		17.0	.5				93
Wet Bulb	1039640	26838	36.6	8.923	734		29.9					93
Dew Point	755362	21812	29.7	2.091	734	.5	53.3					93

FORM NO. 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD

73-80

DEC

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71/ 69			.4															3	3						
67/ 65		.1	.4		.1		.1											6	6	3					
64/ 63		.1		.1			.3											4	4	1	2				
61/ 61				.7														5	5	4	3				
59/ 59		.1	.3	.3														5	5		2				
57/ 57	.1	.1	.5	.3		.3	.1											11	11	6	2				
55/ 55	.1	.1	.4	.1	.1	.1												8	8	9	4				
53/ 53	.1	.8	.4	.1		1.0												18	18	8	6				
51/ 51	.1	1.0	.4		.5													15	15	17	10				
49/ 49	.5	1.4	.5	.3	.3	.1												23	24	16	19				
47/ 47	.5	1.6	1.0	.7	1.0													35	35	19	17				
45/ 45	.5	2.0	1.4	1.4	.3	.4												44	44	32	18				
43/ 43	1.1	4.5	2.6	2.2	.4	.3												81	81	39	23				
41/ 41		2.6	3.3	1.1	1.1													59	59	54	28				
39/ 39		3.1	3.1	1.4	1.5													67	67	54	30				
37/ 37	.8	2.6	3.8	3.7	1.0													87	87	70	45				
35/ 35	.1	1.8	2.5	3.7	.7													64	64	64	34				
33/ 33		2.0	2.7	1.5														46	46	62	56				
31/ 31	.1	2.0	2.7	.8	.1													43	43	69	61				
29/ 29		.5	2.6	1.1	.1													32	32	68	46				
27/ 27		.7	1.2	.7														19	19	29	38				
25/ 25	.1	1.5	2.2	.3														30	30	36	27				
23/ 23		.4	.5	.1														8	8	28	36				
22/ 21		.3	.7															7	7	23	45				
20/ 19		.4	.5															7	7	6	48				
18/ 17		.1	.8															4	4	7	42				
16/ 15		.1																1	1	5	13				
14/ 13																				3	29				
12/ 11																					19				
10/ 9																					9				
07/ 7																					2				
05/ 5																					8				
03/ 3																					4				
01/ 1																					3				

FORM 0-26-5 (OL A) STRESS VARIOUS SENSORS OF THE FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72409U MATUXENT RIVER NAS MD

73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2 2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
./ -1																					
TOTAL	4.5	30.3	34.7	20.5	7.2	2.2	.5											732	733	732	3

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0$ F	$\leq 32$ F	$\leq 47$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Rel. Hum.	57217.2	20866	69.2	16.520	732							
Dry Bulb	1202306	28942	39.5	9.020	732		19.2	.4				93
Wet Bulb	1001932	26264	35.9	8.990	732		39.8					93
Dew Point	798706	21746	29.7	1.852	732	.4	55.0					93

USAFETAC FORM 0-26-5 (OLA) REVERSED MIRRORED EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD 73-80 DEC  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/ 73				.1																												4	4			
74/ 71				.1				.0																								4	4			
71/ 69			.5	.1	.1		.0	.0																								27	27			
67/ 67			.1	.0	.1		.0																									18	18		6	
67/ 65		.1	.3	.1	.0	.1	.0		.1																							40	40	23		
64/ 63		.1	.1	.1	.0	.1	.1	.1																								35	35	11	20	
62/ 61		.1	.1	.2	.1	.1	.1	.0																								40	40	30	19	
59/ 59	.0	.2	.3	.3	.2	.1	.1	.0		.0																						70	70	27	29	
57/ 57	.1	.2	.4	.5	.2	.2	.5	.1	.0																							100	100	36	21	
55/ 55	.2	.7	.6	.4	.2	.3	.2	.1																								144	144	65	46	
54/ 53	.1	.8	.8	.3	.3	.6	.2	.1																								186	186	107	46	
52/ 51	.2	1.2	.6	.5	.8	.6	.2	.1																								233	233	140	89	
50/ 49	.3	1.4	.8	.5	.7	.5	.2	.0																								254	256	176	139	
46/ 47	.2	1.8	.9	1.1	1.1	.7	.1																									348	348	201	154	
40/ 45	.4	1.6	1.6	1.9	1.4	.7	.1																									443	444	272	180	
44/ 45	.4	2.2	1.9	1.9	1.1	.4	.1																									469	469	308	151	
42/ 41	.5	2.3	2.4	1.6	1.3	.3																										488	488	423	195	
40/ 39	.5	2.7	2.5	2.1	1.5	.1																										543	544	514	235	
38/ 37	.7	2.2	2.5	2.7	1.0	.0																										540	541	573	320	
36/ 35	.3	1.4	2.3	2.4	.6																											409	409	488	294	
34/ 33	.2	1.6	2.0	1.6	.4																											343	343	523	415	
32/ 31	.2	1.5	1.8	1.8	.3																											336	336	450	450	
30/ 29	.2	.5	2.1	.9	.1																											220	221	392	365	
28/ 27	.1	.7	1.4	.6																												170	171	268	353	
26/ 25	.1	.8	1.7	.2																												158	158	279	313	
24/ 23		.4	.6	.1																												65	65	208	267	
22/ 21		.5	.7	.1																												71	71	136	306	
20/ 19	.0	.4	.4																													46	46	86	334	
18/ 17		.1	.3																													22	22	48	240	
16/ 15		.1	.1																													11	12	24	192	
14/ 13		.0	.0																													4	4	19	252	
12/ 11		.0																														2	2	6	151	
10/ 9																																			4	87
8/ 7																																			4	81

FORM 0-26-5 (OL A) REVISIONS WITHOUT NOTICE OF THE DATA ARE OBSOLETE  
 USAFETAC

Element (X)	Σx²	Σx	X	X̄	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 9 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1240401 PATUXENT RIVER NAS MD 73-80 DEC  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/ 5																					25
1/ 3																					80
1/ 1																					32
1/ -1																					12
-1/ -3																					3
-1/ -5																					10
-1/ -7																					1
TOTAL	4.625	5.29	4.21	9.11	5.4	8.8	1.7	.5	.2	.0								5843	5843	5843	
																		5843	5843		

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	27644209	388321	66.5	17.995	5843							
Dry Bulb	14311813	239079	40.9	9.632	5851		140.9	6.7	.9			744
Wet Bulb	8348253	214153	36.7	9.245	5843		244.5	.8				744
Dew Point	6019564	173536	29.7	12.173	5843	3.3	944.9					744

USAFETAC FORM 0-26-5 (OL A) AIR WEATHER SERVICE/MAC  
 REPRODUCED BY THE AIR FORCE

# PSYCHROMETRIC SUMMARY

724140  
STATION

PAT

T RIVER NAS MD  
STATION NAME

73-81

YEARS

ALL

MONTH

PAGE 1

ALL  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1/103											.0										1	1		
2/101											.0										1	1		
3/99										.0	.0										3	3		
4/97										.0	.0										12	15		
5/95								.0	.0	.0	.0						.0				33	33		
6/93							.0	.0	.0	.0	.0					.0					77	78		
7/91						.0	.0	.1	.0	.1	.0	.0									153	153		
8/89						.0	.1	.1	.2	.1	.0	.0	.0	.0	.0			.0	.0		329	330		
9/87			.0	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0				.0	.0		512	512		
10/85		.0	.0	.1	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0		.0	.0	.0		898	899		1
11/83		.0	.0	.3	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0			.0	.0		1186	1187	15	3
12/81		.0	.2	.5	.6	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0			.0	.0		1675	1676	90	6
1/79	.0	.1	.5	.7	.6	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0			.0	.0		2130	2132	369	49
2/77	.0	.3	.7	.8	.7	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0			.0	.0		2474	2476	1036	251
3/75	.1	.7	1.0	.9	.5	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0			.0	.0		3052	3057	2038	922
4/73	.2	1.0	1.1	.9	.5	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0			.0	.0		3196	3199	3070	1919
5/71	.3	1.0	1.2	.7	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0			.0	.0		3096	3099	3358	2779
6/69	.3	.8	1.1	.7	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0			.0	.0		2868	2877	3294	3306
7/67	.3	.6	1.1	.7	.5	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0			.0	.0		2759	2767	3019	2845
8/65	.3	1.1	.7	.7	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0			.0	.0		2783	2790	2974	2673
9/63	.2	.9	.6	.6	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0			.0	.0		2443	2447	3117	2677
10/61	.3	.7	.6	.5	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0			.0	.0		2285	2291	2828	2741
11/59	.2	.6	.7	.5	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0			.0	.0		2245	2250	2525	2489
12/57	.2	.6	.7	.5	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0			.0	.0		2205	2209	2415	2361
1/55	.2	.6	.7	.5	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0			.0	.0		2314	2317	2142	2183
2/53	.2	.6	.8	.6	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0			.0	.0		2361	2366	2149	2102
3/51	.1	.7	.9	.6	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2375	2376	2233	2084
4/49	.2	.8	.7	.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2360	2366	2574	2224
5/47	.2	.9	.6	.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2453	2458	2622	2135
6/45	.2	.8	.8	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2346	2354	2626	2166
7/43	.1	.9	.7	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2204	2207	2412	1951
8/41	.2	.8	.8	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2156	2157	2770	1957
9/39	.2	.7	.8	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2022	2026	2627	2262
10/37	.3	.8	.8	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		2012	2016	2445	2144
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	$\Sigma 0 F$	$\Sigma 32 F$	$\Sigma 67 F$	$\Sigma 73 F$	$\Sigma 80 F$	$\Sigma 93 F$	Total												
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM NO. 34 0-26-5 (OLA) AIR WEATHER SERVICE USE ONLY

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124-440 STATION PALUANI RIVER NAS MU STATION NAME 15-81 YEARS ALL MONTH HOURS (L. S. T.)

PAGE 2 ALL 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.	TOTAL																
																	Dry Bulb	Wet Bulb	Dew Point																
71/35	.2	.7	.8	.7	.2	.0												1746	1750	2282	2193														
34/33	.2	.7	.8	.5	.1	.0												1562	1562	2140	2357														
27/31	.1	.8	.8	.6	.1	.0												1702	1708	1809	2490														
27/27	.1	.2	.7	.4	.0													1179	1182	1728	1970														
27/27	.1	.4	.5	.5	.0													922	926	1594	2082														
27/25	.1	.4	.6	.1														809	812	1343	1807														
24/23	.0	.2	.4	.0														433	433	1000	1219														
27/21	.0	.2	.3	.0														386	386	795	1340														
27/19	.1	.2	.3	.0														383	383	474	1534														
15/17	.1	.1	.1	.0														181	184	312	1098														
17/15	.0	.1	.1															142	143	244	854														
14/13	.0	.1	.1															94	95	155	926														
17/11	.0	.1	.0															61	63	111	731														
17/9	.0	.0	.0															32	32	77	533														
7/7	.0	.0	.0															18	18	41	351														
7/5	.0	.0																10	10	19	219														
7/3	.0	.0																4	4	8	209														
7/1	.0	.0																6	6	5	194														
7/-1	.0																	6	6	9	122														
7/-3	.0																	7	7	7	83														
7/-5																						62													
7/-7																						52													
7/-9																						26													
7/-11																						12													
7/-13																						2													
7/-15																						6													
7/-17																						1													
TOTAL																			68702		68702														

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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.	352590848	4764126	69.317.986	68702								
Dry Bulb	245116979	3931937	57.117.263	68833	1.7	810.75	122.7	2008.0	751.8	16.5		8760
Wet Bulb	202289524	3559166	51.816.143	68702	2.0	210.3	2081.4	845.6	29.7			8760
Dew Point	111619438	3185588	46.418.663	68702	46.5	278.4	1543.3	402.5	3.1			8760

WORLD CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR FATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12-140 PAIXENT RIVER NAS MD

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-12	MEAN	52.7	53.7	43.8	51.6	60.1	67.8	72.6	73.3	67.6	55.2	47.5	38.4	53.8
	S D	9.941	10.520	9.400	8.039	6.971	5.728	4.508	4.321	5.844	8.284	9.349	9.213	16.139
	TOTAL OBS	734	671	737	711	728	711	732	731	702	734	713	732	8636
1-00	MEAN	31.4	32.6	42.4	50.1	58.7	66.5	71.3	72.2	66.6	54.2	46.4	38.0	52.6
	S D	10.196	10.658	9.294	7.998	6.997	5.728	4.458	4.277	5.946	8.247	9.350	9.232	16.100
	TOTAL OBS	739	670	724	709	722	709	733	729	704	734	710	730	8613
0-18	MEAN	31.5	32.1	42.9	52.1	61.4	69.8	73.8	74.1	67.7	54.9	46.3	37.6	53.7
	S D	10.215	10.720	9.502	8.102	7.163	5.323	4.517	4.547	6.104	8.350	9.428	9.486	17.090
	TOTAL OBS	735	669	723	703	720	700	723	722	698	728	702	733	8556
-11	MEAN	35.6	37.9	48.8	58.8	67.0	75.1	79.7	80.2	73.6	61.3	52.5	42.3	59.5
	S D	9.770	11.591	10.312	9.214	7.901	5.831	5.126	5.458	6.717	8.127	9.422	9.230	17.513
	TOTAL OBS	732	660	731	708	733	712	731	734	702	733	708	730	8614
1-14	MEAN	38.8	41.6	52.1	61.5	69.5	77.9	82.5	83.1	76.6	64.7	55.9	45.7	62.4
	S D	9.828	12.039	10.417	9.562	8.081	6.153	5.366	5.870	6.760	8.444	9.976	9.663	17.448
	TOTAL OBS	729	662	733	710	732	709	727	728	708	727	705	726	8592
1-17	MEAN	38.3	41.3	51.7	61.0	69.3	77.4	82.5	82.4	75.8	63.5	54.4	44.3	61.9
	S D	9.767	11.540	9.702	9.139	7.980	6.248	5.405	5.658	6.457	8.229	9.694	9.050	17.411
	TOTAL OBS	732	669	733	708	729	707	731	725	705	735	704	732	8610
-2	MEAN	34.9	36.9	47.5	56.6	65.3	73.5	78.3	77.9	71.0	58.1	49.9	40.7	57.6
	S D	9.466	10.290	8.816	8.241	7.401	5.916	4.956	5.075	6.093	7.816	8.897	8.895	16.973
	TOTAL OBS	729	666	729	698	724	705	726	726	709	728	707	735	8582
1-23	MEAN	33.7	35.1	45.5	53.4	61.8	69.6	74.5	74.8	68.6	56.1	48.4	39.5	55.2
	S D	9.632	10.600	9.020	7.864	7.002	5.623	4.435	4.516	5.829	8.137	9.452	9.020	16.284
	TOTAL OBS	731	665	734	704	731	711	732	738	708	731	708	733	8626
ALL HOURS	MEAN	34.7	36.4	46.9	55.6	64.1	72.2	76.9	77.2	71.0	58.5	50.2	40.9	57.1
	S D	10.183	11.529	10.211	9.506	8.424	7.110	6.395	6.396	7.228	9.071	10.055	9.632	17.263
	TOTAL OBS	5861	5532	5844	5651	5819	5664	5835	5833	5636	5850	5657	5851	68833



GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-81 PAIGUENT RIVER NAS MU  
 STATION STATION NAME

73-81

YEARS

HRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
U-02	MEAN 30.1	30.5	39.9	46.6	56.2	63.9	68.9	70.0	64.2	51.8	43.9	35.6	50.2
	S D 9.859	9.662	8.828	7.685	7.101	6.211	4.690	4.410	6.434	8.666	9.534	9.212	15.987
	TOTAL OBS 733	668	736	739	727	710	731	731	696	733	713	731	8618
U-15	MEAN 29.5	29.7	39.0	45.8	55.3	63.2	68.2	69.4	63.7	51.2	43.2	34.8	49.5
	S D 10.186	9.921	9.018	7.892	7.448	6.225	4.897	4.402	6.554	8.727	9.656	9.236	16.117
	TOTAL OBS 738	668	724	708	721	705	733	726	695	729	709	729	8585
U-18	MEAN 29.2	29.4	39.5	47.1	57.2	65.2	69.5	70.5	64.5	51.7	43.2	34.5	50.1
	S D 10.135	10.155	9.274	7.966	7.540	5.688	4.832	4.480	6.546	8.789	9.694	9.479	16.709
	TOTAL OBS 733	668	723	702	720	700	721	722	692	725	702	733	8542
-11	MEAN 32.1	33.1	42.9	50.2	59.8	67.3	71.8	72.8	66.9	55.0	46.9	37.7	53.2
	S D 9.579	10.286	9.282	8.032	7.557	5.745	4.868	4.674	6.394	8.408	9.395	9.106	16.231
	TOTAL OBS 729	659	731	707	733	712	730	733	701	730	707	728	8620
1-14	MEAN 33.4	35.2	44.6	51.4	60.8	68.1	72.6	73.5	67.8	56.4	48.5	39.6	54.5
	S D 9.158	9.936	8.786	7.862	7.273	5.828	4.953	4.739	6.304	8.272	9.459	9.076	15.759
	TOTAL OBS 727	660	732	710	729	709	727	728	706	726	704	725	8583
15-17	MEAN 33.6	35.1	44.4	51.1	60.6	67.7	72.4	73.2	67.5	55.9	47.7	38.7	54.1
	S D 9.117	9.558	8.231	7.430	7.114	5.866	4.953	4.658	6.174	8.163	9.314	8.656	15.706
	TOTAL OBS 730	668	732	706	729	707	728	723	702	734	703	731	8593
-20	MEAN 31.0	32.7	42.1	49.1	58.8	66.0	70.9	71.5	65.6	53.3	45.3	36.6	52.0
	S D 9.304	9.306	8.084	7.365	7.075	5.970	4.717	4.558	6.321	8.237	9.256	8.921	15.914
	TOTAL OBS 729	665	728	695	724	705	725	726	705	727	706	734	8569
1-23	MEAN 30.6	31.6	41.0	47.5	57.4	64.6	69.7	70.5	64.5	52.1	44.3	35.9	50.9
	S D 9.477	9.596	8.487	7.427	7.074	6.158	4.690	4.511	6.379	8.478	9.612	8.990	15.908
	TOTAL OBS 730	665	734	702	731	708	732	738	704	728	708	732	8612
ALL HOURS	MEAN 31.3	32.2	41.7	48.6	58.3	65.8	70.5	71.4	65.6	53.4	45.4	36.7	51.8
	S D 9.749	10.026	8.988	7.965	7.522	6.201	5.074	4.787	6.561	8.682	9.686	9.245	16.143
	TOTAL OBS 5249	5321	5840	5639	5814	5656	5827	5827	5602	5832	5652	5843	68702

2  
 FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-81 PATUXENT RIVER NAS MD

73-81

STATION	STATION NAME	YEARS												
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
U-0	MEAN	24.3	23.9	34.3	40.9	52.9	61.3	66.8	68.2	61.9	48.4	39.3	29.6	46.1
	S D	12.710	12.092	11.192	9.948	8.941	7.600	5.714	5.163	7.855	10.345	11.740	12.036	18.417
	TOTAL OBS	733	668	736	709	727	710	731	731	696	733	713	731	8618
U-15	MEAN	24.0	23.5	33.8	40.7	52.3	61.0	66.3	67.9	61.8	48.2	39.0	29.0	45.7
	S D	12.960	12.285	11.408	9.891	9.381	7.396	6.057	5.084	7.799	10.345	11.761	12.004	18.493
	TOTAL OBS	738	668	724	708	721	705	733	726	695	729	709	729	8585
U-16	MEAN	23.7	23.5	34.4	41.6	53.7	62.2	67.1	68.7	62.5	48.6	39.1	28.9	46.2
	S D	12.731	12.571	11.755	10.221	9.799	7.240	6.210	5.258	7.768	10.509	11.653	12.025	18.891
	TOTAL OBS	733	668	723	702	720	700	721	722	693	725	702	733	8542
U-11	MEAN	25.0	24.3	35.2	41.2	54.1	62.5	67.7	69.3	62.9	49.3	40.4	30.4	47.0
	S D	13.055	13.153	12.217	10.993	10.311	7.768	6.494	5.662	7.957	11.086	12.151	12.301	18.901
	TOTAL OBS	724	659	731	707	733	712	730	753	701	730	707	728	8600
U-14	MEAN	24.9	24.3	35.1	40.9	54.2	62.2	67.5	68.9	62.6	49.0	40.2	30.3	46.8
	S D	12.792	12.776	12.097	11.174	10.385	8.256	6.910	6.052	8.338	11.358	12.729	12.642	18.916
	TOTAL OBS	727	660	732	710	729	709	727	728	706	726	704	725	8583
U-17	MEAN	24.5	24.7	35.1	40.7	53.9	61.8	67.3	68.7	62.5	49.0	40.0	29.9	46.6
	S D	12.724	12.314	11.599	10.940	10.254	8.431	7.099	6.094	8.355	11.214	12.656	12.593	18.773
	TOTAL OBS	730	668	732	706	729	707	728	723	702	734	703	731	8593
U-21	MEAN	24.7	24.6	34.8	40.7	53.5	61.3	66.9	68.3	62.1	48.6	39.5	29.7	46.3
	S D	12.507	12.352	10.977	10.529	9.721	8.242	6.474	5.828	7.964	10.485	12.044	12.091	18.472
	TOTAL OBS	724	665	728	695	724	705	725	726	705	727	706	734	8569
U-23	MEAN	24.5	24.5	34.9	40.9	53.7	61.3	67.0	68.3	61.8	48.2	39.1	29.7	46.3
	S D	12.516	12.159	11.043	10.118	8.892	7.839	5.938	5.451	7.919	10.385	11.990	11.852	18.404
	TOTAL OBS	730	665	734	702	731	708	732	738	704	728	708	732	8612
ALL HOURS	MEAN	24.5	24.2	34.7	41.0	53.5	61.7	67.1	68.5	62.3	48.7	39.6	29.7	46.4
	S D	12.750	12.465	11.546	10.485	9.740	7.870	6.386	5.598	8.002	10.724	12.099	12.173	18.663
	TOTAL OBS	5849	5321	5840	5639	5814	5656	5827	5827	5602	5832	5652	5843	68702



























FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

STATION: PATUXENT RIVER NAS MD      PERIOD: 73-81      MONTH: ALL

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.3	94.2	80.8	61.8	45.0	27.1	13.5	67.1	5849
FEB		100.0	99.7	97.2	87.5	71.9	53.4	38.5	24.8	9.2	65.7	5301
MAR		100.0	99.9	97.1	86.7	72.5	55.9	42.6	25.6	12.3	65.6	5841
APR		100.0	99.6	94.6	84.1	66.6	49.3	33.6	17.3	4.5	61.7	5634
MAY		100.0	100.0	98.7	93.9	83.0	69.0	52.7	36.2	15.4	70.9	5814
JUN		100.0	100.0	99.7	96.4	88.2	73.8	55.2	30.1	10.3	71.3	5654
JUL		100.0	100.0	100.0	95.4	91.1	77.5	58.6	36.3	11.7	73.1	5827
AUG		100.0	100.0	100.0	99.5	94.5	83.8	65.8	41.9	13.5	73.7	5827
SEP		100.0	100.0	99.9	98.9	93.7	80.9	63.4	41.6	17.2	75.4	5617
OCT		100.0	100.0	99.6	96.2	87.0	71.9	54.0	33.9	14.2	71.7	5830
NOV		100.0	100.0	99.4	94.4	81.4	64.6	48.2	31.7	13.4	67.0	5650
DEC		100.0	100.0	98.9	92.9	76.4	58.8	42.4	20.1	10.3	66.4	5843
<b>TOTALS</b>		100.0	100.0	98.7	93.8	82.2	66.7	50.0	31.5	12.1	69.3	68704

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

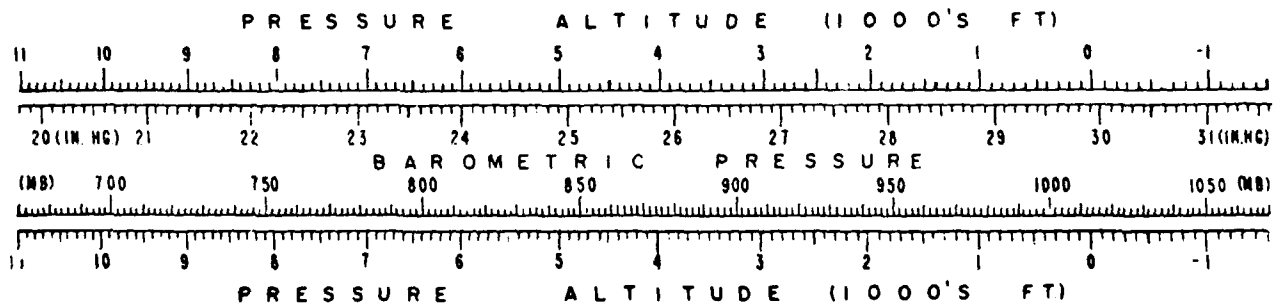
## PART F PRESSURE SUMMARY

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

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

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

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





FEDERAL BUREAU OF INVESTIGATION  
 FEDERAL BUREAU OF INVESTIGATION  
 FEDERAL BUREAU OF INVESTIGATION

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION NAME PATUXENT RIVER NAS MD

73-81

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	30.00330	.00229	.97729	.93429	.90129	.93929	.93529	.98529	.99530	.01530	.03830	.023	29.979	
S D	.283	.255	.241	.222	.162	.161	.130	.108	.143	.198	.209	.279	.211	
TOTAL OBS	242	222	247	239	244	236	258	259	251	246	259	243	2866	
MEAN	30.00629	.99229	.96729	.92229	.89429	.93129	.92829	.97629	.98430	.01130	.03430	.026	29.973	
S D	.286	.250	.239	.230	.166	.164	.132	.110	.144	.202	.214	.280	.213	
TOTAL OBS	246	224	242	235	241	236	245	242	237	244	238	241	2671	
MEAN	30.02430	.02329	.99329	.96229	.93229	.96029	.95930	.00630	.01430	.03530	.05330	.053	30.001	
S D	.281	.251	.247	.238	.167	.164	.133	.111	.150	.209	.216	.277	.214	
TOTAL OBS	241	223	244	234	240	235	241	239	235	244	232	240	2848	
MEAN	30.05330	.04230	.00529	.96129	.93729	.96729	.96730	.01630	.02730	.04930	.07330	.074	30.014	
S D	.291	.250	.266	.247	.170	.168	.132	.113	.152	.218	.217	.285	.221	
TOTAL OBS	242	223	243	236	244	237	241	246	234	243	234	246	2869	
MEAN	29.98530	.00029	.96229	.93329	.90929	.94729	.94729	.99729	.99930	.00530	.03030	.028	29.978	
S D	.287	.252	.270	.242	.172	.167	.133	.109	.153	.217	.214	.272	.217	
TOTAL OBS	240	216	244	235	243	238	243	240	238	244	233	239	2853	
MEAN	29.98529	.96829	.92629	.89429	.87529	.91729	.91529	.96229	.96229	.98530	.01030	.002	29.950	
S D	.284	.247	.262	.225	.168	.165	.133	.113	.150	.212	.211	.276	.215	
TOTAL OBS	242	223	245	233	246	236	242	240	232	244	235	243	2861	
MEAN	30.00429	.99329	.94829	.90329	.88229	.92429	.91829	.96829	.97530	.00930	.02930	.027	29.966	
S D	.244	.250	.254	.219	.161	.159	.127	.108	.146	.205	.206	.277	.212	
TOTAL OBS	242	222	241	232	240	234	245	244	235	244	234	244	2857	
MEAN	30.01730	.00029	.97129	.93429	.90729	.94729	.94029	.99129	.99830	.02430	.04030	.034	29.984	
S D	.281	.248	.243	.217	.160	.159	.126	.106	.143	.199	.205	.277	.209	
TOTAL OBS	244	221	245	237	244	236	246	246	234	246	236	243	2878	
ALL HOURS	MEAN	30.01030	.00329	.96429	.93129	.90529	.94229	.93929	.98829	.99430	.01730	.03830	.034	29.981
S D	.285	.251	.254	.231	.167	.164	.132	.111	.149	.208	.212	.278	.215	
TOTAL OBS	1939	1774	1951	1881	1942	1888	1941	1936	1876	1955	1881	1939	22903	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

STATION NO. PATUXENT RIVER NAS MD  
STATION NAME

73-81

YEARS

HRS. LST.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	1018.11	1017.91	1017.11	1015.61	1014.51	1015.81	1015.71	1017.41	1017.71	1018.41	1019.11	1018.7	1017.2	
S D	9.587	8.668	8.150	7.523	5.524	5.446	4.375	3.637	4.856	6.690	7.131	9.439	7.139	
TOTAL OBS	243	220	247	239	243	237	240	242	231	245	238	243	2868	
MEAN	1015.81	1017.61	1016.71	1015.31	1014.31	1015.61	1015.51	1017.21	1017.41	1018.31	1019.01	1018.8	1017.0	
S D	9.657	8.486	8.139	7.771	5.625	5.520	4.444	3.714	4.954	6.849	7.220	9.467	7.202	
TOTAL OBS	246	224	244	236	239	239	246	245	239	244	239	241	2882	
MEAN	1018.81	1018.71	1017.71	1016.61	1015.61	1016.51	1016.51	1018.11	1018.41	1019.11	1019.71	1019.8	1017.9	
S D	9.532	8.502	8.378	8.114	5.689	5.557	4.474	3.822	5.108	7.046	7.322	9.412	7.265	
TOTAL OBS	242	222	244	234	239	235	241	240	235	245	233	243	2853	
MEAN	1019.71	1019.31	1018.01	1016.61	1015.71	1016.71	1016.81	1018.41	1018.91	1019.61	1020.41	1020.4	1018.4	
S D	9.832	8.497	9.011	8.371	5.755	5.685	4.467	3.844	5.200	7.355	7.344	9.674	7.499	
TOTAL OBS	243	222	245	236	245	238	242	244	229	245	236	245	2870	
MEAN	1017.41	1017.81	1016.61	1015.71	1014.91	1016.11	1016.11	1017.81	1017.91	1018.11	1018.81	1018.7	1017.2	
S D	9.697	8.495	9.128	8.162	5.776	5.653	4.505	3.703	5.240	7.351	7.261	9.351	7.566	
TOTAL OBS	241	218	244	234	241	238	243	240	235	244	235	240	2853	
MEAN	1017.21	1016.81	1015.41	1014.31	1013.71	1015.11	1015.01	1016.61	1016.51	1017.31	1018.21	1018.0	1016.2	
S D	9.706	8.406	8.893	7.616	5.708	5.580	4.456	3.827	5.114	7.173	7.139	9.334	7.289	
TOTAL OBS	244	224	246	235	245	236	244	240	232	245	235	241	2865	
MEAN	1018.21	1017.61	1016.11	1014.61	1013.91	1015.31	1015.11	1016.81	1017.01	1018.21	1018.91	1018.8	1016.7	
S D	9.608	8.485	8.613	7.451	5.534	5.379	4.298	3.638	4.918	6.954	6.956	9.376	7.284	
TOTAL OBS	242	222	241	232	240	234	245	245	235	243	235	246	2860	
MEAN	1018.51	1018.01	1016.91	1015.71	1014.71	1016.11	1015.91	1017.61	1017.61	1018.71	1019.31	1019.0	1017.3	
S D	9.539	8.423	8.165	7.375	5.393	5.385	4.279	3.580	4.867	6.751	6.948	9.390	7.062	
TOTAL OBS	244	223	244	238	245	236	246	246	235	245	236	243	2881	
ALL HOURS	MEAN	1018.21	1018.01	1016.81	1015.51	1014.71	1015.91	1015.81	1017.51	1017.71	1018.51	1019.21	1019.0	1017.2
S D	9.656	8.508	8.587	7.829	5.658	5.543	4.445	3.760	5.070	7.041	7.178	9.439	7.281	
TOTAL OBS	1945	1775	1955	1882	1937	1893	1947	1942	1871	1956	1887	1942	22932	

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