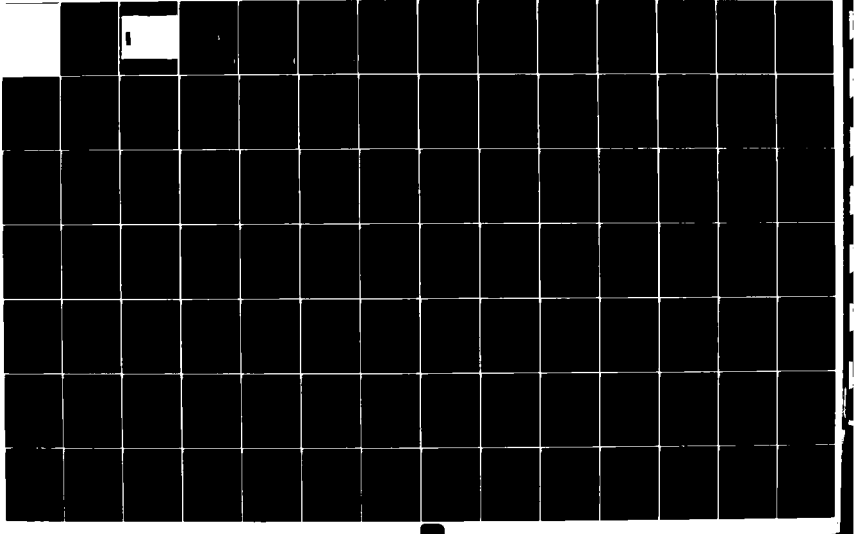
AD-A140 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC NOV 83 1/4

UNCLASSIFIED F/G 4/2 NL

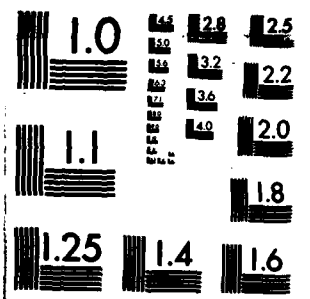


WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	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		9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478
FEB		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256
MAR		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480
APR		.5	9.3		.2		9.3	11.1	15.1			24.1	2400
MAY		1.5	9.9				9.9	21.1	31.0			46.2	2480
JUN		1.4	6.3				6.3	13.4	42.0			50.7	2400
JUL		2.7	6.0				6.0	14.8	56.7			62.1	2480
AUG		2.4	5.3				5.3	15.3	61.9			67.5	2480
SEP		.7	7.6				7.6	17.4	41.9			51.6	2400
OCT		.2	8.5		.0		8.5	18.2	23.3			36.8	2480
NOV		.0	8.9		.5		9.3	18.3	18.9			34.5	2400
DEC		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478
TOTALS		.8	8.5	.1	1.1		9.6	17.1	27.9	.1		40.7	29212


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JANUARY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.2		3.9	2.9	1.0	8.3			27.8	1.0	8.8			58.5
NNE	13.4	.9	1.8	3.6	2.7	10.7			22.3		11.6			55.4
NE	14.1		2.6	2.6	1.3	10.3			23.1		18.1			59.0
ENE	9.8		3.3	4.9		11.5			23.0	4.9	21.3			49.2
E	12.0		4.0	1.3	1.3	8.0			25.3		12.0			58.7
ESE	28.3			2.2		4.3			34.8	2.2	17.4			43.5
SE	9.4		2.1			4.2			28.1	1.0	19.8			49.0
SSE	20.9		1.7	.9		1.7			32.2		14.8			53.0
S	10.0					6.9			18.5	3.1	10.8			66.2
SSW	6.7	1.1	2.2	1.1		2.2			12.0	3.3	12.0			69.6
SW	5.5	2.8				1.8			15.4	3.7	12.8			69.7
WSW	7.1	.7	.7			1.4			8.5	1.4	8.5			79.4
W	1.1	1.1	1.1			1.1			9.1	1.6	6.5			83.3
WNW	1.5		1.5			2.5			8.3	1.5	4.9	.5		84.8
NW	5.2	.7	2.6			1.5			12.3	1.1	7.1	.4		77.7
NNW	3.6	.6	1.9		.3	3.4			11.3	.3	7.8			79.4
VARIABLE														
CALM	6.7		2.1	.4		3.3			10.4	7.9	9.2			69.6
TOTAL	192	12	47	20	8	103			424	49	247	2		1711
% TOTAL	7.7	.5	1.9	.8	.3	4.2			17.1	2.0	10.0	.1		69.0

TOTAL NUMBER OF OBSERVATIONS 2,478

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2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	FEBRUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PHOTOGRAPH THIS SHEET

AD-A150 447

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.0	6.0	2.0			.7			16.6	.7	16.6			64.9
NNE	4.4	4.4							10.0		14.4			74.4
NE	6.4	5.1	5.1						19.2	1.3	17.9			64.1
ENE	18.3	3.3	5.0					5.0	21.7	1.7	26.7			45.0
E	21.5	7.6	5.1					1.3	35.4	1.3	22.8			32.9
ESE	9.9	2.5	1.2			1.2		1.2	13.6	1.2	25.9			60.5
SE	1.7	3.4							10.1	1.1	30.3			62.4
SSE	5.6	3.9	.4					1.3	10.4	.4	21.6			66.2
S	2.4	3.6							6.0	.6	15.0			77.8
SSW	4.0	6.4	.8			.8		1.6	12.0	.8	22.4			65.6
SW	1.3	5.4				.7		1.3	3.4	1.3	14.8			76.5
WSW	2.5	3.0							3.0		11.1			83.8
W	2.0	2.6							5.3	1.3	7.9			84.2
WNW	1.1	.5	.5						2.1	1.1	5.8			89.5
NW	.8	4.9							4.1	1.2	5.8			86.0
NNW	3.7	3.1	2.5					.6	5.6		2.5			86.3
VARIABLE														
CALM	4.0	.6	2.4			1.2			10.5	4.2	14.5			66.5
TOTAL	107	90	26			6		13	239	26	362			1746
% TOTAL	4.5	3.8	1.1			.3		.5	10.0	1.1	15.1			72.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.2	4.7					.6	20.1	1.8	24.9			54.4
NNE	5.6	2.1	2.8					.7	18.9		28.7			53.1
NE	4.6	1.1	5.7						26.4		32.2			49.4
ENE	10.4	3.0	3.0					1.5	35.8		28.4			40.3
E	17.5	6.8	4.9					1.0	41.7	1.0	24.3			35.0
ESE	12.5	1.8	5.3						33.0	1.8	25.9			42.9
SE	5.0	4.6	.9					2.7	19.6	2.3	43.8			37.0
SSE	6.7	2.8	.4					1.8	13.7	2.8	41.9			46.8
S	7.4	3.5	.5					1.0	15.3	1.5	31.2			53.5
SSW	3.4	5.5	.7					2.8	11.0	4.1	32.4			53.8
SW		4.9	.7					.7	9.8	1.4	41.3			51.7
WSW		2.0						2.9	8.8	4.9	39.2			53.9
W	1.6	5.7						4.9	9.0	8.2	23.8			60.7
WNW		3.3						1.7	6.6	5.0	16.5			72.7
NW	2.6	5.1						1.3	13.5	2.6	21.2			62.8
NNW	3.3	4.9	1.6						17.9	1.6	17.9			65.0
VARIABLE														
CALM	~~1.1~~	~~2.2~~						~~1.1~~	~~23.6~~	~~12.1~~	~~31.3~~			~~96.7~~
TOTAL	121	88	39					37	445	79	769			1276
% TOTAL	4.9	3.5	1.6					1.5	17.9	3.2	31.0			51.5

TOTAL NUMBER OF OBSERVATIONS 2,480

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18. SUPPLEMENTARY NOTES

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

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	5.5	6.6					2.2	17.6	2.2	36.3			47.3
NNE	10.5	3.2	5.3					1.1	17.9	2.1	32.6			49.5
NE	6.7	2.2	2.2					1.1	20.2		20.2			59.6
ENE	6.3	9.4						3.1	25.0	1.6	29.7			48.4
E	6.0	6.0	1.2					2.4	15.7	4.8	36.1			45.8
ESE		3.5						1.2	9.4	2.4	35.3			54.1
SE	2.3	1.1	.6					1.7	5.1	1.7	46.0			48.9
SSE	4.1	1.2						1.6	5.7	2.0	53.3			40.2
S	2.6	4.5						1.9	8.3	3.4	44.4			45.5
SSW	2.1	3.7						.5	8.6	2.7	50.8			41.2
SW	1.1	3.7						1.1	4.8	4.8	49.7			45.0
WSW	2.3	4.6						.8	12.2	1.5	55.0			35.9
W		5.3						2.6	11.8	6.6	44.1			44.1
WNW		3.7							13.4	3.7	35.8			52.2
NW		3.1						2.3	4.6	1.5	26.7			67.9
NNW	2.3	.8						1.5	3.8	3.8	32.6			58.3
VARIABLE														
CALM		.7							16.2	7.9	52.4			32.7
TOTAL	60	80	15					34	244	78	1008			1147
% TOTAL	2.5	3.3	.6					1.4	10.2	3.3	42.0			47.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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STATION NO ON SUMMARY	STATION NAME	LATITUDE:	LONGITUDE:	STATION ELEV. (FT)	CALL SIGN:	WMO NUMBER:
13721	Patuxent River, Maryland	38°17'N	76°25'W	38	KNHK	72404

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather Service Office, Ops Bldg.	Navy	1949	1957	38°17'N	76°25'W	45	Mercurial	24
2.	" " " "	"	1957	1976	"	"	"	"	"
3.	Removed, June 17, 1976	"	-	-	-	-	-	-	-
4.	Weather Service Office	"	1960		38°17'N	76°25'W	45	Aneroid	24
4a.	Oceanography Command Det. (Ops Bldg)	"	1978		"	"	"	"	"

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1949	Atop operations tower	3 cup		95'	1. Auto met station (AN/GMQ-29A) 2. Ceiling light (ML-121 3. Cloud height set (GMQ-13B/C) 4. Transmissometer (GMQ-10) 5. Runway visual range indicator 6. Seawater-air temp (Honeywell) 7. Weather vision (AN/GMQ-27) 8. WSR 57 radar operated by NWS 9. Thermoscreen (ML-41) 10. Theodolite (ML-474)
2.	1957	Atop radar tower, Bldg 147A	AN/UMQ-5C	RD-108	65'	
3.	1960	1000 ft NW of intersection of runways 31 and 24	"	"	13'	
4.	1978	" " "	"	"	15'	

CONTINUED ON REVERSE SIDE

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at *scheduled 3-hourly intervals*. *Daily observations* are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) AUGUST (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	5.4	.9					3.6	9.9	1.8	51.4			39.6
NNE	2.6	2.6	.9					3.4	3.4	3.4	49.1			45.7
NE	3.6	4.8						1.2	16.9	2.4	39.8			44.6
ENE	4.0	4.0						2.0	12.9	4.0	46.5			44.6
E	1.0	7.7	1.0					1.9	13.5	2.9	50.0			42.3
ESE	3.9	2.6						1.3	9.2	3.9	60.5			31.6
SE		2.6						.7	3.3	3.3	70.2			27.8
SSE	.6	4.0						3.2	4.8		78.2			17.7
S	2.5	4.9						4.2	7.0	3.2	65.8			28.5
SSW	.5	2.9						4.4	6.8	5.9	62.9			30.7
SW		1.9						.5	5.3	7.7	67.5			27.8
WSW	.3	1.5						2.3	8.3	9.0	75.2			20.3
W	.6	1.7						1.2	8.1	17.9	66.5			23.7
WNW		5.5						1.6	11.7	10.9	71.9			21.1
NW	1.7	1.7						.9	12.8	7.7	57.3			36.8
NNW		6.8						4.8	8.2	5.5	49.3			45.9
VARIABLE														
CALM	.9	4.6						.9	14.2	13.2	52.1			29.7
TOTAL	34	94	3					58	217	163	1534			772
% TOTAL	1.4	3.8	.1					2.3	8.8	6.6	61.9			31.1

TOTAL NUMBER OF OBSERVATIONS 2,480

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PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

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

Occurrences of the various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) SEPTEMBER (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.2	2.6	.9						11.3		27.8			61.7
NNE	16.0	3.5	4.9					.7	21.5	1.4	30.6			48.6
NE	10.0	1.4	2.1						15.0	4.3	37.9			47.1
ENE	7.7	1.5	1.5						17.7	3.1	35.4			47.7
E	6.3	6.0	.8					1.5	15.0	2.3	47.4			42.1
ESE	2.1	4.1						1.0	5.2	3.1	38.1			57.7
SE	5.9	1.5	.7					.7	16.9	3.7	44.1			41.2
SSE	.6	2.5						1.3	5.6	1.9	56.9			38.8
S	5.1	3.6	.5					.5	9.6	5.1	46.7			43.1
SSW	2.0	2.6						1.3	6.6	9.9	48.7			41.4
SW		2.8							5.6	9.8	53.8			41.3
WSW		3.8						.9	12.3	5.7	37.7			51.9
W	.8	2.3						3.1	8.5	13.8	47.7			42.3
WNW	3.4	2.5						.8	10.9	10.9	44.5			43.7
NW	1.4	4.1	.7					.7	11.0	5.5	33.8			53.8
NNW	1.6	1.6	.8						7.9	5.5	27.6			63.0
VARIABLE														
CALM	1.3	.4						.4	9.3	18.5	32.9			38.2
TOTAL	100	64	18					18	266	152	1005			1135
% TOTAL	4.2	2.7	.8					.8	11.1	6.3	41.9			47.3

TOTAL NUMBER OF OBSERVATIONS 2,400

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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.

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.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) OCTOBER (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	3.2	1.6						14.9	3.7	18.6			62.8
NNE	11.7	3.1	4.7		.8			.8	25.0	.8	26.6			49.2
NE	14.1	3.9	4.7						25.0	3.9	15.6			53.1
ENE	7.3	1.6	1.0					1.0	17.7	3.1	12.5			70.8
E	8.1	1.0	3.0						14.1	6.1	24.2			60.6
ESE	10.1		2.9					1.4	20.3	5.8	26.1			50.7
SE	3.7	2.5							18.5	3.7	42.0			40.7
SSE	6.9	5.2							18.1	4.3	49.1			33.6
S	6.7	2.2	.6						10.6	4.5	34.6			52.5
SSW	2.5	1.9							8.3	4.5	27.4			62.4
SW	4.1	1.4							6.8	2.7	34.7			57.1
WSW	4.3	.9							8.6	6.0	24.1			63.8
W	4.0	4.0	.6						9.8	5.7	22.4			63.8
WNW	2.8	2.2	.6					.6	6.7	2.8	10.7			80.9
NW	1.6	2.1	1.0					.5	8.9	6.8	12.6			73.8
NNW	4.2	1.9	.5						8.5	.9	8.5			81.7
VARIABLE														
CALM	.9	1.8							8.5	23.7	24.8			52.7
TOTAL	130	58	27		1			5	310	140	577			1520
TOTAL	5.2	2.3	1.1		.0			.2	12.5	5.6	23.3			61.3

TOTAL NUMBER OF OBSERVATIONS 2,480

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2

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

13721	PATUXENT RIVER, MARYLAND	45-79	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	43.6	2.9	18.9	.2	48.6	42.0	30.1	2.8		52.6	1053
FEB		1.9	40.6	2.7	16.4	.4	44.4	39.5	31.8	2.4		52.7	959
MAR		3.8	51.2	.4	9.6	.6	49.1	40.7	32.7	1.1		52.5	1085
APR		8.6	53.4	.1	1.3	.3	47.6	35.4	30.1	.1		46.9	1050
MAY		15.3	56.3			.4	49.9	40.5	40.6			54.6	1085
JUN		19.8	50.5			.2	44.8	37.4	50.0			58.7	1050
JUL		25.1	51.8				45.9	34.7	54.1			60.1	1075
AUG		21.0	47.2			.1	41.8	40.5	59.2			66.7	1085
SEP		9.4	41.6				36.9	38.2	45.5			56.1	1050
OCT		3.3	38.7		.2	.1	34.3	44.1	39.4			57.3	1085
NOV		1.9	45.0		3.2		41.3	38.6	32.0	.1		49.4	1048
DEC		.5	42.2	1.3	10.7		41.6	39.5	32.4	1.0		51.4	1082
TOTALS		9.3	46.8	.6	5.0	.2	43.8	39.3	39.8	.6		54.9	12707

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	.5	5.9			.5			18.1	1.0	16.2			64.7
NNE	16.7		7.5			.8			29.2	2.5	29.2			41.7
NE	6.6	1.1	2.2		1.1	2.2			27.5	1.1	29.7			44.0
ENE	12.5	3.1	4.7			4.7			26.1	1.6	34.4			32.8
E	15.5		1.7		1.7				27.6	3.4	25.9			44.8
ESE	12.1		5.2						27.6	1.7	41.4			32.8
SE	1.1	3.3	1.1						22.8	1.1	33.7			43.5
SSE	5.9	3.0	1.0						22.8	1.0	34.7			45.5
S	6.1	3.7	1.2			.6			15.5	2.5	33.5			52.8
SSW	3.4	3.4	.7						8.2	3.4	16.3			70.7
SW	1.4	2.9	.7						10.9	2.2	18.8			71.0
WSW		2.1							5.0		15.7			78.6
W	2.6	1.0	1.5						11.8	4.1	13.8			70.3
WNW	1.2								7.0	4.1	8.1			82.0
NW	4.0	.5				.5			9.5	3.0	7.5			79.5
NNW	6.7	1.6	.4						10.2	.8	7.5			79.5
VARIABLE														
CALM	4.9	1.0	1.0					.5	21.0	9.8	14.6			39.0
TOTAL	135	37	42		2	9		1	373	67	453			1531
% TOTAL	5.6	1.5	1.8		.1	.4		.0	15.5	2.8	18.9			63.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		8.7	1.0	2.3		11.3	17.2	4.5			21.0	309
	04		11.0	.6	4.9		15.9	21.0	5.2			24.9	309
	07		10.6	1.0	3.5		14.8	24.8	7.1			29.7	310
	10		8.1	.6	5.5		14.2	22.6	16.8			36.5	310
	13		8.1	.3	4.2		12.6	16.1	14.8			29.7	310
	16		10.3	.6	5.5		16.1	16.1	15.5	.3		29.0	310
	19		10.3	1.6	4.2		15.2	17.7	11.0	.3		28.4	310
	22		9.7	.6	4.5		14.5	17.1	4.8			21.3	310
TOTALS			9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0		3.0	.5	2.5	3.5			29.0	.5	9.0			60.0
NNE	15.1	.7	2.9	.7	.7	2.9			33.1		7.2	1.4		57.6
NE	9.8		4.9	1.2	1.2	6.1			12.2		12.2	1.2		65.9
ENE	17.1		1.3			1.3			19.7	1.3	9.2			64.5
E	17.3		1.3			1.3			25.3	1.3	21.3			50.7
ESE	20.0		1.8						23.6	5.5	14.5			56.4
SE	13.4	1.5	3.0						23.9	7.5	19.4			52.2
SSE	16.8	1.9	.9						31.8	1.9	15.0			50.5
S	10.2	1.8	.6		.6				18.1	1.8	10.8			68.1
SSW	6.5	1.9	1.3	.6	.6	1.3			13.6	1.3	15.6			68.8
SW	5.8	1.8	1.2						11.7	2.3	17.0			69.6
WSW	3.8		1.5						11.3	.8	3.8			80.5
W	5.6	.7				2.8			13.9	1.4	6.3			75.7
WNW	1.7	.6	.6			1.1		.6	10.9	1.1	2.9			85.1
NW	2.5	1.3	.4			1.3			8.4	.4	3.4			85.7
NNW	2.7	1.2	1.6		1.2	3.5			11.8	1.2	5.5	.4		80.0
VARIABLE														
CALM	5.4	.4	2.5	.8		1.2			21.1	6.6	12.8			63.4
TOTAL	202	22	39	6	12	41		1	437	47	241	4		1722
% TOTAL	8.2	.9	1.6	.2	.5	1.7		.0	17.6	1.9	9.7	.2		69.5

TOTAL NUMBER OF OBSERVATIONS 2,478

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WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.2	.4	2.8		12.4	18.8	7.1	1.1		25.2	282
	04		6.0	.4	4.6		10.6	17.7	7.4	1.1		24.8	282
	07		8.5		3.5		12.1	23.4	13.8	.7		35.1	282
	10		7.8		4.6		12.1	17.0	17.7	1.8		34.8	282
	13		9.6	.4	3.9		13.8	15.6	12.8	.7		28.7	282
	16	.4	8.5	.7	5.7		14.2	16.7	15.6	1.1		32.3	282
	19		8.9	.7	5.0		14.5	16.7	10.3	.7		26.6	282
	22		9.2		4.3		12.8	18.1	7.4	1.1		24.8	282
TOTALS		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) ALL (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	2.1	3.9	.7	.4	2.6		.5	20.7	1.4	19.9	.4		57.2
NNE	9.9	1.9	4.0	.6	.7	3.1		.6	21.0	1.1	24.4	.5		52.4
NE	8.7	2.5	3.6	.3	.4	2.1		.2	20.5	1.9	25.2	.3		53.0
ENE	10.6	2.4	2.7	.5		2.4		1.2	23.4	2.5	26.1			50.0
E	11.2	3.7	2.5	.1	.2	1.4		1.0	23.5	2.3	31.4			44.7
ESE	9.0	2.9	2.2	.1	.1	1.1		1.1	18.1	2.4	33.8			47.1
SE	4.7	2.6	.8			.6		.9	14.1	2.5	39.9			45.7
SSE	6.6	3.1	.5	.0		.2		1.3	14.1	1.7	39.4	.0		46.4
S	5.2	3.6	.3		.1	.6		1.3	10.9	3.0	35.5			52.4
SSW	3.2	3.3	.5	.1	.1	.3		1.2	9.0	3.7	33.8			55.2
SW	1.8	3.2	.4			.2		.6	7.7	3.8	35.9			55.8
WSW	2.3	2.3	.3			.2		1.0	9.3	3.1	32.1			58.4
W	2.3	2.5	.4		.1	.4		1.2	10.4	5.9	27.7			59.9
WNW	1.5	2.0	.4			.6		.8	8.4	3.9	20.7	.3		69.7
NW	2.1	2.2	.8	.0		.8		.4	9.3	2.8	16.1	.2		72.5
NNW	3.1	1.8	1.4	.0	.2	1.7		.5	9.8	1.7	14.1	.1		74.1
VARIABLE														
CALM	2.9	1.6	1.1	.1		.6		.4	11.6	11.0	28.9			31.1
TOTAL	1407	736	391	41	33	297		238	3984	1011	8189	34		16629
% TOTAL	4.8	2.5	1.3	.1	.1	1.0		.8	13.6	3.5	28.0	.1		56.9

TOTAL NUMBER OF OBSERVATIONS 29,211

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WEATHER CONDITIONS

17721	PATUXENT RIVER, MARYLAND	73-82	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	01		10.6	.3	2.9		13.2	19.0	7.4	.3		26.1	310
	04		12.6		2.3		14.8	23.5	5.8	.3		28.1	310
	07		13.9	.6	1.6		16.1	30.0	13.9	.3		40.6	310
	10		14.2	.3	1.3		15.8	18.1	17.1			34.5	310
	13	.3	12.3	.6	2.6		14.5	16.1	18.1			33.2	310
	16	.3	11.3		1.0		11.9	13.9	17.7			31.3	310
	19	.3	10.0	.3	1.3		11.0	13.9	15.2	.3		28.4	310
	22	.3	10.0	.3	1.6		11.3	15.8	10.3	.3		25.2	310
TOTALS		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480

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PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

2

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	1.0	10.3		.3		10.3	10.7	7.7			17.0	300
	04	.3	9.0		.3		9.0	15.7	7.7			20.0	300
	07		11.0		.3		11.0	20.7	15.0			31.3	300
	10		7.0		.7		7.3	10.0	18.0			26.7	300
	13		9.0		.3		9.0	7.0	18.3			24.0	300
	16	.7	7.7				7.7	7.7	20.3			26.7	300
	19	1.3	9.0				9.0	8.3	20.7			27.3	300
	22	1.0	11.0				11.0	8.3	13.3			19.7	300
TOTALS		.5	9.3		.2		9.3	11.1	15.1			24.1	2400

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

[redacted] STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-A? YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	13.9	2.1	5.3	4.5	7.6	7.8	4.2	1.[illegible]					34.1	1085	3.07	6.17	.4[illegible]
FEB	55.[illegible]	11.[illegible]	2.1	5.8	4.2	7.1	6.7	5.3	1.6	.1				32.[illegible]	989	2.89	7.02	.[illegible]1
MAR	[illegible]1.1	1[illegible].0	2.[illegible]	5.8	4.3	6.9	6.3	5.8	2.[illegible]	.1				33.9	1147	3.53	7.[illegible]0	.[illegible]3
APR	[illegible].[illegible]	13.9	2.9	6.9	4.3	7.0	6.8	4.1	1.[illegible]					33.[illegible]	1140	2.8[illegible]	6.74	.94
MAY	[illegible].[illegible]	13.[illegible]	2.6	7.0	4.4	7.0	7.[illegible]	[illegible].3	2.3	.2				36.2	1178	3.80	9.80	.4[illegible]
JUN	55.1	13.0	2.3	6.5	4.3	5.5	4.[illegible]	5.2	3.1	.2				31.[illegible]	1110	3.51	7.34	.2[illegible]
JUL	[illegible]4.1	13.1	2.2	5.7	3.9	6.7	5.5	4.7	3.[illegible]	.4				32.8	1147	4.28	15.51	1.0[illegible]
AUG	5[illegible].6	12.2	2.0	4.9	3.2	6.5	5.3	3.3	2.[illegible]	1.0	.1			29.2	1178	4.26	11.10	.61
SEP	64.[illegible]	11.0	2.[illegible]	4.0	3.0	5.5	3.[illegible]	4.0	2.7	.5				25.0	1110	3.29	7.99	.[illegible]9
OCT	65.4	11.7	1.4	4.8	2.2	4.4	4.3	3.1	2.1	.3				22.8	1178	2.86	6.61	TRACE
NOV	6[illegible].4	12.3	2.0	5.6	3.0	5.6	4.4	4.1	2.[illegible]	.2				27.3	1050	3.06	7.95	.31
DEC	57.2	13.3	1.[illegible]	5.1	3.1	6.0	5.7	5.9	1.9					29.6	1116	3.18	6.50	.47
ANNUAL	5[illegible].[illegible]	12.9	2.[illegible]	5.7	3.7	6.3	5.7	4.6	2.3	.2	.0			30.8	13428	30.62		

NAVWEASERVCOM

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (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	01	1.6	11.9				11.9	25.2	20.3			40.0	310
	04		9.4				9.4	34.2	19.7			45.2	310
	07	.6	10.6				10.6	37.7	30.0			56.1	310
	10		8.4				8.4	19.4	33.9			47.4	310
	13		8.1				8.1	11.3	38.1			45.8	310
	16	4.2	10.6				10.6	10.0	41.3			47.7	310
	19	3.9	9.7				9.7	12.9	36.1			45.2	310
	22	1.6	10.6				10.6	18.4	28.7			41.9	310
TOTALS		1.5	9.9				9.9	21.1	31.0			46.2	2480

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

L3

3145/

[illegible] PATUXENT RIVER, MARYLAND 45-8[illegible]
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	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					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7[illegible]	1[illegible].3	2.1	1.9	1.[illegible]	.7	.5	.9	.4	.1				[illegible].[illegible]	1[illegible]54	[illegible].6	[illegible]	.
FEB	[illegible]	9.1	.[illegible]	2.3	1.4	.[illegible]	.[illegible]	.4	.[illegible]	.1				7.2	961	[illegible].1	12.3	.
MAR	[illegible]	[illegible].0	.6	.9	.5	.4	.1	.4	.4					[illegible].3	111[illegible]	[illegible].7	22.[illegible]	.[illegible]
APR	[illegible]	1.3	.1											.1	1110	TRACE	.3	.[illegible]
MAY	99.[illegible]	.1													1179	TRACE	TRACE	.[illegible]
JUN	[illegible]														1140	.[illegible]	.[illegible]	.
JUL	[illegible]	.1													1116	TRACE	TRACE	.[illegible]
AUG	[illegible]														1147	.[illegible]	.[illegible]	.[illegible]
SEP	[illegible]														1140	.[illegible]	.	.
OCT	[illegible]	.1	.1											.1	1147	TRACE	.1	.
NOV	97.[illegible]	[illegible].2	.6	.1					.1					.[illegible]	1050	.3	7.1	.[illegible]
DEC	[illegible]	7.[illegible]	.[illegible]	1.2	.[illegible]	.2	.[illegible]	.2	.[illegible]					3.[illegible]	1054	2.4	13.0	.[illegible]
ANNUAL	9[illegible].[illegible]	3.[illegible]	.4	.5	.4	.2	.1	.2	.1	.0				1.[illegible]	13213	16.1		

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2

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (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	01	.7	5.7				5.7	19.7	35.3			48.7	300
	04	1.0	7.7				7.7	28.7	36.7			53.7	300
	07	.7	7.0				7.0	27.3	42.3			57.7	300
	10		5.3				5.3	9.0	40.7			47.7	300
	13	.3	6.0				6.0	5.3	43.3			47.3	300
	16	3.3	4.7				4.7	3.0	50.0			52.0	300
	19	3.0	7.3				7.3	5.0	47.0			50.3	300
	22	2.3	6.3				6.3	9.3	41.0			48.3	300
TOTALS		1.4	6.3				6.3	13.4	42.0			50.7	2400

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3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

[illegible] PATUXENT RIVER, MARYLAND 46-8[illegible]
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	[illegible]	4.5	3.1	[illegible]	3.6	1.4	.1	.1					15.1	961			
FEB	[illegible]	[illegible]	[illegible]	2.4	1.4	3.4	1.3	.7	[illegible]					14.[illegible]	[illegible]			
MAR	[illegible]	[illegible]	.7	.8	1.4	1.4	1.0							[illegible]	1023			
APR	[illegible]	[illegible]													960			
MAY	[illegible]														1034			
JUN	[illegible]														1020			
JUL	[illegible]														992			
AUG	[illegible]														1023			
SEP	[illegible]														1020			
OCT	[illegible]														1023			
NOV	[illegible]	[illegible]		.1										.1	990			
DEC	[illegible]	3.8	1.7	1.7	1.1	1.7	.5							6.[illegible]	930			
ANNUAL	[illegible]	1.9	1.0	.7	[illegible]	.8	[illegible]	.1	.1					3.5	11900			

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2

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	2.6	5.2				5.2	22.3	51.9			60.6	310
	04	1.0	6.5				6.5	31.9	51.6			63.2	310
	07	.3	5.2				5.2	30.0	58.1			67.4	310
	10	.6	5.5				5.5	8.1	60.0			61.9	310
	13	1.6	4.2				4.2	4.5	58.7			61.0	310
	16	4.2	6.5				6.5	2.9	58.4			60.0	310
	19	7.4	8.7				8.7	5.2	60.3			62.9	310
	22	3.9	6.1				6.1	13.5	54.8			60.0	310
TOTALS		2.7	6.0				6.0	14.8	56.7			62.1	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION: [illegible] | STATION NAME: PATUXENT RIVER, MARYLAND | YEARS: 45-[illegible]

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
4			.02	1.33	1.67	2.49	2.[illegible]	.33	1.2[illegible]	[illegible].3[illegible]		[illegible].21	
4	.3[illegible]	.53	1.8[illegible]	[illegible].93	1.91	1.12	1.48	1.73	2.67	[illegible].[illegible]7	[illegible].12	1.4[illegible]	[illegible].67
4[illegible]	.84	.43	.65	1.26	1.56	1.29	1.13	3.19	.98	.85	3.79	1.[illegible]	3.[illegible]
[illegible]	[illegible].[illegible]0	.43	1.1	.74	2.51	.44	1.04	2.46	.79	[illegible].[illegible]5		1.4[illegible]	
[illegible]	1.64	.71	.97	.49	.80	1.63	1.[illegible]	3.26		[illegible].63	1.65	.3[illegible]	
	.[illegible]7		[illegible].[illegible]8	.61	1.77	.71	.84	2.53	.98	.49	.72	1.[illegible]3	
	.56	1.02		.78	.92	1.54	1.14	2.25	[illegible].93	.77	1.[illegible]0		
		.[illegible]3	1.37	[illegible].26	.69	.75	.93	.[illegible]3	1.22	.98		.9[illegible]	
3	.53	1.44	.0[illegible]	.55	1.07	.64	.46	3.33	.93	2.17	.97		
4	1.04	2.[illegible]7	.76	.98	.98	.[illegible]8	.67	[illegible].04	.47	.56	.69	.7[illegible]	2.[illegible]
5	.[illegible]0		1.21	.74	.77	1.37	1.53	4.96	.97	.5[illegible]	1.[illegible]7	.52	
5	.[illegible]9	.70	.77	1.38	.71	1.13	1.91	.48	.76	[illegible].61	4.22	.[illegible]8	4.[illegible]2
5	.9[illegible]	.91	.[illegible]1	.98	1.15	2.39	.65	1.62	1.[illegible]4	1.76	.[illegible]1	1.2[illegible]	2.3[illegible]
[illegible]	[illegible].[illegible]5	[illegible].14	1.[illegible]7	1.29	.[illegible]9	1.13	3.04	4.67	[illegible].42	[illegible].21	1.25	1.[illegible]9	4.67
[illegible]	.47	.58	.67	.78	.35	1.[illegible]8	2.16	.76	.20	1.2[illegible]	2.36	1.[illegible]1	2.[illegible]6
	.82	[illegible].07	.94	[illegible].[illegible]7	1.57	2.37	4.61	.8[illegible]	3.69	1.2	.[illegible]1	[illegible].[illegible]2	4.6[illegible]
[illegible]	1.72	1.75	1.07	.66	1.98	1.55	1.[illegible]4	1.43	.58	3.53	.57	.68	3.53
	[illegible].14	.67	.77	.63	.51		.[illegible]2	.80	[illegible].23	.[illegible]9[illegible]	[illegible].[illegible]1	1.[illegible]4	
	.35	.38	.92	.84	.96	3.[illegible]6	.57	.91	.81	TRACE	2.[illegible]0	.64	3.[illegible]
4	[illegible].[illegible]6	[illegible].[illegible]1	.73	.71	.29	2.38	1.7[illegible]	.87	1.79	1.59	1.[illegible]9	.[illegible]7	2.[illegible]3
5	.60	[illegible].08	1.39	.[illegible]9	.23	1.14	.62	1.85	1.52	.64	.[illegible]5	.41	1.[illegible]5
6	.90	.97	.41	.[illegible]8	.97	.90	.[illegible]6	.28	2.36	3.55	.[illegible]6	.8	3.55
6[illegible]	.[illegible]	.75	.74	.36	[illegible].95	.56	1.19	1.39	.63	.70	.71	1.[illegible]6	1.[illegible]5
6[illegible]	1.4[illegible]	.66	1.45	.53	2.16	.68	.27	.84	[illegible].51	.49	2.12	.[illegible]4	2.16
6	.72	1.18	.66	.82	.83	1.[illegible]0	2.56	5.68	1.66	.52	.48	1.74	5.[illegible]8
[illegible]	.37	.65	1.[illegible]8	[illegible].34	.45	1.3[illegible]		.93	[illegible].69	.7[illegible]	1.[illegible]5	.6[illegible]	
	.46	1.25	.79	1.34	2.6[illegible]	.85	.75	2.76	.76	1.53	1.65	.51	2.76
		[illegible].21	.[illegible]8	1.55	1.[illegible]5	2.64	[illegible].[illegible]5	1.[illegible]6	.79	[illegible].[illegible]6	1.34	.7[illegible]	
[illegible]2	.31	1.74	.55	.61	.[illegible]3	.56	.48	2.65	1.37	1.52	.50	1.11	2.65
[illegible]4	.66	.42	1.41	.35	.83	1.35	.28	3.71	[illegible].12	.51	.26	1.66	3.71
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	2.3	4.2				4.2	21.9	58.4			66.8	310
	04	.6	4.2				4.2	33.5	57.7			69.7	310
	07	1.0	4.2				4.2	38.7	64.5			73.5	310
	10	.3	3.2				3.2	6.5	63.9			66.1	310
	13	1.3	4.8				4.8	2.3	62.3			63.5	310
	16	5.5	7.4				7.4	2.3	64.2			66.1	310
	19	5.2	8.1				8.1	4.8	64.5			68.1	310
	22	2.6	6.1				6.1	12.6	59.7			65.8	310
TOTALS		2.4	5.3				5.3	15.3	61.9			67.5	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-5[illegible] YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	1.29	.64	1.81	.79	1.14	1.14	1.91	1.73	2.75	1.61	.92	1.21	2.75
6	.73	.56	.90	.67	1.51	.49	1.04	.34	1.79	1.46	.42	.92	1.79
7	.78	.42	.94	.57	.75	1.67	.73	1.09	2.01	1.97	1.31	1.87	2.01
7	1.72	.57	2.23	1.44	1.8	.63	1.86	.91	.03	.2	.68	1.30	2.23
7	1.57	3.06	1.24	.61	1.88	1.64	1.73	3.04	3.21	1.16	1.57	.71	3.21
	1.12	.20	2.06	.86	.69	.28	2.33	.46	.91	3.08	.63	.21	3.08
	.[illegible]	1.2	.[illegible]	1.28	1.17	.90	2.77	.41	1.09	.93	.24	.93	2.77
	.75	1.15	1.1	1.42	1.07	.42	1.55	1.12	2.60	1.39	1.21	.67	2.6
MEAN	.[illegible]5	.9[illegible]	1.08	.93	1.24	1.26	1.43	1.8[illegible]	1.39	1.35	1.21	1.2[illegible]	2.98
S.D.	.[illegible]36	.56	.511	.377	.645	.710	.910	1.395	.838	.856	.894	.4[illegible]8	.999
TOTAL OBS.	1[illegible]5	989	1147	1[illegible]14	1178	1111	1147	1178	1110	1178	1050	1116	13428

SMOS

I-2

WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	1.3	7.7				7.7	19.3	39.3			51.0	300
	04	.3	8.0				8.0	36.3	38.0			56.7	300
	07		6.7				6.7	37.7	46.0			61.0	300
	10		7.0				7.0	10.0	42.7			49.0	300
	13	.7	5.7				5.7	6.3	39.3			44.7	300
	16	1.3	7.3				7.3	6.7	44.0			49.3	300
	19	1.3	8.7				8.7	8.7	45.3			51.3	300
	22	1.0	9.3				9.3	14.3	40.3			49.7	300
TOTALS		.7	7.6				7.6	17.4	41.9			51.6	2400

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
4			•	•	•	•	•	•	•	•			
4	1.[illegible]	2.6	.[illegible]	•	•	•	•	•	•	•	.0	[illegible].7	[illegible]
4	1.[illegible]	.8	7.[illegible]	.[illegible]	.[illegible]	.0	.0	•	•	•	.[illegible]	1.[illegible]	7.
4	5.5	3.3	TRACE	.[illegible]	.[illegible]	.0	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	TRACE	[illegible].5
[illegible]			TRACE	.[illegible]	•	•	•	.[illegible]	.[illegible]	.[illegible]	TRACE	•	
[illegible]	•		5.		•	.0	•	.[illegible]	.[illegible]	•	.2	TRACE	
	TRACE	.[illegible]		.[illegible]	.[illegible]	•	.[illegible]	.[illegible]	•	•			
		.9	TRACE	.[illegible]	.[illegible]	.0	.0		.[illegible]	•		.[illegible]	
[illegible]	TRACE	.0		•	•	.0		.0	.0		.3		
4	.1.2	TRACE	.[illegible]	TRACE	TRACE	.[illegible]	.0	.[illegible]	.[illegible]	.[illegible]	.0	1.[illegible]	11.2
5	4.[illegible]		.[illegible]	.[illegible]	•	.0	.[illegible]	.0	•	.0	TRACE	TRACE	
5	1.4	TRACE	TRACE	TRACE	•	.0	.[illegible]	•	.[illegible]	.[illegible]	TRACE	TRACE	[illegible].4
5	3.9	.5	.[illegible]	.0	.0	.0	.0	.0	.0	.[illegible]	.0	3.[illegible]	3.[illegible]
[illegible]	4.9	.4	7.[illegible]	.0	.[illegible]	.0	.[illegible]	.0	.0	.0	.0	3.[illegible]	7.[illegible]
[illegible]	2.0	TRACE	TRACE	TRACE	•	•	.0	.0	.0	•	•		
	1.[illegible]	5.4	9.4	TRACE	•	.[illegible]	.[illegible]	•	.[illegible]	•	.0	4.[illegible]	[illegible].4
	5.	4.[illegible]	TRACE	.0	.0	.0	•	.0	.0	.0	TRACE	.[illegible]	5.[illegible]
[illegible]	5.3	4.[illegible]	2.3	.0	.[illegible]	.[illegible]	.0	.0	.[illegible]	.0	TRACE	6.5	6.5
[illegible]	1.6	1.0	TRACE	.0	.0	.0	•	.0	•	.0	.0	2.[illegible]	2.[illegible]
4	5.4	7.2	3.0	TRACE	•	.0	.[illegible]	.[illegible]	.[illegible]	.0	TRACE	•	7.[illegible]
5	5.2	3.7	3.0	.[illegible]	.0	.0	.0	.0	•	.[illegible]	.0	.[illegible]	5.2
6	9.	2.[illegible]	TRACE	TRACE	•	.0	•	.[illegible]	.0	.0	TRACE	8.	[illegible].0
6[illegible]	5.	7.5	TRACE	.[illegible]	.[illegible]	.0	•	.[illegible]	.[illegible]	.[illegible]	7.1	2.0	7.5
6[illegible]	3.0	4.1	2.3	.[illegible]	.[illegible]	.0	•	.[illegible]	.0	.0	TRACE	TRACE	[illegible].1
6[illegible]	.2	2.8	6.3	.0	.0	.0	•	.[illegible]	.[illegible]	.[illegible]	TRACE	.6	6.3
[illegible]	2.9	.7	TRACE	.[illegible]	.0	.[illegible]		.[illegible]	.0	.[illegible]	.0	.3	
[illegible]	1.0	TRACE	7.0	TRACE	•	.[illegible]	.0	.[illegible]	.0	.0	.0	TRACE	7.0
		5.5	•	.3	•	.[illegible]	.[illegible]	.0	.0	TRACE	TRACE	.[illegible]	
[illegible]3	2.0	TRACE	TRACE	TRACE	•	.[illegible]	•	.[illegible]	.[illegible]	.[illegible]	.0	1.9	2.[illegible]
74	TRACE	4.2	TRACE	TRACE	•	.0	.0	.0	.[illegible]	.[illegible]	.0	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
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.
OCT	01	.6	9.0				9.0	19.7	21.6			34.5	310
	04	.3	11.0				11.0	29.4	21.0			42.3	310
	07		8.4				8.4	36.1	21.9			46.8	310
	10		6.8		.3		6.8	12.6	26.5			36.5	310
	13	.3	7.7				7.7	10.0	22.6			31.9	310
	16		7.4				7.4	10.0	24.2			32.9	310
	19		9.0				9.0	11.3	25.2			34.5	310
	22	.3	9.0				9.0	16.1	23.2			35.2	310
TOTALS		.2	8.5		.0		8.5	18.2	23.3			36.8	2480

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

721	PATUXENT RIVER, MARYLAND	45-53
STATION	STATION NAME	YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											• 29	5• 31	SNOFALL DAYS
4	•6 31	TRACE 27											SNOFALL DAYS
		1•3 27											SNOFALL DAYS
			TRACE 3								•0 29	TRACE 29	SNOFALL DAYS
2	TRACE 28							•1 29			1•3 29		SNOFALL DAYS
3			4• 3				•3 30			•3 30		•2 3	SNOFALL DAYS
5		2• 28											SNOFALL DAYS
												•7 30	SNOFALL DAYS
							•1 21						SNOFALL DAYS
2	•1 30												SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		10.0		.3		10.3	18.7	13.7			30.0	300
	04		9.0		.7		9.7	24.0	11.3			32.0	300
	07		6.7		1.0		7.7	31.0	17.3			43.3	300
	10		9.0		.7		9.7	17.7	24.7			39.3	300
	13		9.0		.3		9.3	13.3	22.3			35.0	300
	16		8.0				8.0	12.0	24.7			34.7	300
	19		9.0		.3		9.3	14.0	20.7			32.3	300
	22	.3	10.3		.3		10.7	16.0	16.3			29.0	300
TOTALS		.0	8.9		.5		9.3	18.3	18.9			34.5	2400

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] PATUXENT RIVER, MARYLAND 45-82
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
4													
4													
[illegible]			TRACE								TRACE		
[illegible]	TRACE												
5		TRACE		TRACE									TRACE
5	TRACE												
5													
5	TRACE											4	
[illegible]													
63													
64				TRACE									
5													
6												11	
67													
6													
67	TRACE											TRACE	
			TRACE									TRACE	
				TRACE									
73													
74													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (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	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		8.4	.3	1.6		10.0	18.4	7.1			23.9	310
	04		10.6	.6	2.6		13.2	21.3	6.5			25.5	310
	07		10.6	.3	1.3		11.3	25.8	8.7	.6		32.6	310
	10		12.6		1.3		13.9	20.6	11.9	.3		32.3	310
	13		10.6		2.3		12.6	17.4	11.9	.3		28.4	310
	16		9.4		2.3		11.3	16.1	13.9			28.7	310
	19		11.3	.3	1.6		12.3	18.1	10.7			27.8	309
	22	.3	8.4	.3	1.6		10.4	18.4	7.1			24.9	309
TOTALS		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-6[illegible] YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]
6	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	TRACE	[illegible]	[illegible]
7	[illegible]	27	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	[illegible]	4	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
	[illegible]	7	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	3.2	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.5	[illegible]
S.D.	5.14[illegible]	7.041	8.836	.00[illegible]	.000	.000	.000	.000	.000	.000	.348	2.726	6.945
TOTAL OBS.	[illegible]6	90[illegible]	1025	960	1054	1020	992	1[illegible]23	1020	1025	990	930	11900

SMOS

WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	73-82	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		9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478
FEB		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256
MAR		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480
APR		.5	9.3		.2		9.3	11.1	15.1			24.1	2400
MAY		1.5	9.9				9.9	21.1	31.0			46.2	2480
JUN		1.4	6.3				6.3	13.4	42.0			50.7	2400
JUL		2.7	6.0				6.0	14.8	56.7			62.1	2480
AUG		2.4	5.3				5.3	15.3	61.9			67.5	2480
SEP		.7	7.6				7.6	17.4	41.9			51.6	2400
OCT		.2	8.5		.0		8.5	18.2	23.3			36.8	2480
NOV		.0	8.9		.5		9.3	18.3	18.9			34.5	2400
DEC		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478
TOTALS		.8	8.5	.1	1.1		9.6	17.1	27.9	.1		40.7	29212

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-0[illegible] YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
	[illegible]												SNO DPTH DAYS
		30 27											SNO DPTH DAYS
												29	SNO DPTH DAYS
	TRACE [illegible]			29				28			TRACE 29		SNO DPTH DAYS
[illegible]3	TRACE [illegible]	27	4 3[illegible]				30			30		3[illegible]	SNO DPTH DAYS
5												3[illegible]	SNO DPTH DAYS
5												TRACE 3[illegible]	SNO DPTH DAYS
							21						SNO DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JANUARY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.2		3.9	2.9	1.0	8.3			27.8	1.0	8.8			58.5
NNE	13.4	.9	1.8	3.6	2.7	10.7			22.3		11.6			55.4
NE	14.1		2.6	2.6	1.3	10.3			23.1		18.1			59.0
ENE	9.8		3.3	4.9		11.5			23.0	4.9	21.3			49.2
E	12.0		4.0	1.3	1.3	8.0			25.3		12.0			58.7
ESE	28.3			2.2		4.3			34.8	2.2	17.4			43.5
SE	9.4		2.1			4.2			28.1	1.0	19.8			49.0
SSE	20.9		1.7	.9		1.7			32.2		14.8			53.0
S	10.0					6.9			18.5	3.1	10.8			66.2
SSW	6.7	1.1	2.2	1.1		2.2			12.0	3.3	12.0			69.6
SW	5.5	2.8				1.8			15.4	3.7	12.8			69.7
WSW	7.1	.7	.7			1.4			8.5	1.4	8.5			79.4
W	1.1	1.1	1.1			1.1			9.1	1.6	6.5			83.3
WNW	1.5		1.5			2.5			8.3	1.5	4.9	.5		84.8
NW	5.2	.7	2.6			1.5			12.3	1.1	7.1	.4		77.7
NNW	3.6	.6	1.9		.3	3.4			11.3	.3	7.8			79.4
VARIABLE														
CALM	6.7		2.1	.4		3.3			10.4	7.9	9.2			69.6
TOTAL	192	12	47	20	8	103			424	49	247	2		1711
% TOTAL	7.7	.5	1.9	.8	.3	4.2			17.1	2.0	10.0	.1		69.0

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION: PATUXENT RIVER, MARYLAND (STATION NAME) — YEARS: 1946-1982

JANUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	44	1961	5.3	135	1962
2	1.37	35	1979	0.7	18	1948
3	0.75	19	1982	T	T	1981*
4	0.74	19	1952	1.1	28	1980
5	0.53	13	1949	4.8	122	1980
6	2.14	54	1962	2.9	74	1970
7	0.85	22	1976	6.3	160	1977
8	0.60	15	1965	2.0	51	1973
9	0.81	21	1964	2.0	51	1968
10	1.05	27	1952	4.1	104	1962
11	0.81	21	1980	4.0	102	1955
12	0.88	22	1948	1.0	25	1979*
13	2.00	51	1948	5.4	137	1964
14	1.68	43	1958	6.9	175	1982
15	0.50	13	1954	3.9	99	1957
16	0.52	13	1965	5.2	132	1965
17	1.72	44	1978	1.7	43	1965
18	1.12	28	1980	0.4	10	1948
19	0.64	16	1961	5.0	127	1967
20	1.07	27	1979	3.7	94	1975
21	1.64	42	1949	0.3	8	1982
22	1.40	36	1958	11.2	284	1954
23	0.43	11	1969	0.6	15	1948
24	0.87	22	1979	5.5	140	1948
25	0.92	23	1958	0.8	20	1957
26	0.90	23	1966	9.0	229	1966
27	1.73	44	1976	3.0	76	1966
28	1.31	33	1952	4.3	109	1962
29	0.80	20	1966	8.0	203	1966
30	0.90	23	1966	9.0	229	1966
31	0.68	17	1949	2.1	53	1980
Monthly	2.14	54	1962	11.2	284	1954

FEBRUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.88	22	1958	4.0	102	1962
2	1.74	44	1973	5.5	140	1972
3	0.92	23	1952	4.0	102	1961
4	0.92	23	1952	3.0	76	1975
5	0.81	21	1960	0.7	18	1978
6	0.66	17	1964	5.7	145	1978
7	1.15	29	1971	6.0	152	1979
8	1.75	44	1961	4.2	107	1974
9	0.65	17	1970	3.0	76	1967
10	0.45	11	1949	2.0	51	1967
11	0.91	23	1981	7.2	183	1964
12	0.56	14	1953	4.0	102	1979
13	1.25	32	1971	5.4	137	1960
14	0.37	9	1965	3.7	94	1965
15	1.44	37	1953	0.4	10	1958
16	0.46	12	1982*	0.7	18	1962
17	1.15	29	1982	7.5	191	1967
18	1.09	28	1960	9.0	229	1979
19	1.21	31	1972	11.7	297	1979
20	1.12	28	1981	2.8	71	1969
21	2.09	53	1954	0.1	3	1960
22	0.80	20	1971	3.3	84	1948
23	1.18	30	1969	0.7	18	1972
24	3.06	78	1979	2.0	51	1966
25	1.02	26	1979	1.3	33	1950
26	0.73	19	1972	1.5	38	1952
27	1.14	29	1958	6.6	168	1982
28	0.97	25	1966	6.9	175	1964
29	0.66	17	1968	4.1	104	1968
30						
31						
Monthly	3.06	78	1979	11.7	297	1979

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) FEBRUARY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.7	1.5	4.6	1.5	.5	8.2			27.0	1.0	11.7	4.1		53.1
NNE	6.6		4.4	.7	2.2	14.7			25.0	.7	12.5	1.5		57.4
NE	9.2	1.0	5.1		1.0	6.1			22.4		21.4	1.0		56.1
ENE	17.9		9.0	1.5		10.4			31.3	1.5	7.5			58.2
E	13.6		1.7			6.8			23.7	1.7	16.9			55.9
ESE	7.8		5.9			11.8			21.6		31.4			41.2
SE	8.3	2.3	.8			3.8			18.2	3.8	22.0			54.5
SSE	7.5	4.5	1.5			2.3		.8	21.1	.8	14.3	.8		63.2
S	5.4	3.6	.9			1.8			10.7	2.7	9.8			75.0
SSW	2.0	3.1	1.0			1.0			11.2	3.1	10.2			74.5
SW	1.7	2.5	2.5						8.4	.8	13.4			76.5
WSW	3.6	1.2				1.2			15.5	2.4	16.7			66.7
W	2.4								14.1		5.9			81.2
WNW	3.9	1.3	.6			1.9			9.1	1.9	5.2	3.2		76.6
NW	1.1	1.1	.7	.4		2.2			8.8	1.1	5.5	1.5		82.5
NNW	1.9	.4	3.0	.4		5.6			10.8	.4	2.6	.7		82.5
VARIABLE														
CALM	3.2		2.1			.5			18.0	6.9	18.0			51.9
TOTAL	117	30	53	7	5	96		1	366	40	260	23		1542
% TOTAL	5.2	1.3	2.3	.3	.2	4.3		.0	16.2	1.8	11.5	1.0		68.4

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION: PATUXENT RIVER, MARYLAND — STATION NAME
YEARS: 1945-1982

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1952	5.6	142	1980
2	0.90	23	1948	6.3	160	1969
3	0.94	24	1960	9.4	239	1960
4	1.05	27	1955	0.3	8	1960
5	1.39	35	1965	2.2	56	1962
6	1.24	31	1979	2.3	58	1962
7	1.19	30	1948	3.2	81	1969
8	1.08	27	1951*	7.0	178	1947
9	0.90	23	1976	2.4	61	1960
10	1.26	32	1978	3.8	97	1960
11	0.83	21	1963	0.1	3	1979
12	1.33	34	1968	T	T	1974*
13	2.66	68	1980	T	T	1980*
14	0.77	20	1956	T	T	1980*
15	0.81	21	1953	T	T	1982*
16	1.19	30	1974	5.0	127	1960*
17	1.45	37	1968	1.0	25	1950
18	0.97	25	1949	T	T	1981*
19	1.89	48	1946	0.3	8	1981
20	1.97	50	1958	7.0	178	1958
21	0.91	23	1974	2.0	51	1958
22	1.08	27	1950	T	T	1973*
23	0.62	16	1949	T	T	1967
24	1.37	35	1952			
25	1.09	28	1953			
26	2.23	57	1978	7.0	178	1971
27	0.89	23	1978	0.9	23	1947
28	0.53	13	1980	0.8	20	1947
29	1.12	28	1974			
30	1.41	36	1974	3.0	76	1964
31	0.92	23	1961			
Monthly	2.66	68	1980	9.4	239	1960

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.28	33	1981	T	T	1964
2	0.75	19	1959			
3	0.86	22	1960			
4	1.07	27	1960	T	T	1954
5	1.16	29	1981	T	T	1975*
6	1.38	35	1956	T	T	1971
7	0.64	16	1972	0.3	8	1972
8	0.98	25	1957	T	T	1972*
9	0.86	22	1980	T	T	1982*
10	1.29	33	1958			
11	0.39	10	1962	T	T	1973
12	1.26	32	1947	T	T	1973*
13	0.41	10	1972*	T	T	1966
14	1.34	34	1970			
15	0.79	20	1975			
16	1.19	30	1947			
17	1.42	36	1982			
18	0.49	12	1949			
19	0.68	17	1969			
20	0.54	14	1958			
21	0.52	13	1958			
22	1.55	39	1972			
23	1.07	27	1958			
24	1.19	30	1945	T	T	1956
25	1.93	49	1946			
26	1.44	37	1978			
27	0.98	25	1954			
28	0.92	23	1966			
29	0.78	20	1951			
30	0.84	21	1963			
31						
Monthly	1.93	49	1946	0.3	8	1972

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.0	6.0	2.0			.7			16.6	.7	16.6			64.9
NNE	4.4	4.4							10.0		14.4			74.4
NE	6.4	5.1	5.1						19.2	1.3	17.9			64.1
ENE	18.3	3.3	5.0					5.0	21.7	1.7	26.7			45.0
E	21.5	7.6	5.1					1.3	35.4	1.3	22.8			32.9
ESE	9.9	2.5	1.2			1.2		1.2	13.6	1.2	25.9			60.5
SE	1.7	3.4							10.1	1.1	30.3			62.4
SSE	5.6	3.9	.4					1.3	10.4	.4	21.6			66.2
S	2.4	3.6							6.0	.6	15.0			77.8
SSW	4.0	6.4	.8			.8		1.6	12.0	.8	22.4			65.6
SW	1.3	5.4				.7		1.3	3.4	1.3	14.8			76.5
WSW	2.5	3.0							3.0		11.1			83.8
W	2.0	2.6							5.3	1.3	7.9			84.2
WNW	1.1	.5	.5						2.1	1.1	5.8			89.5
NW	.8	4.9							4.1	1.2	5.8			86.0
NNW	3.7	3.1	2.5					.6	5.6		2.5			86.3
VARIABLE														
CALM	4.0	.6	2.4			1.2			10.5	4.2	14.5			66.5
TOTAL	107	90	26			6		13	239	26	362			1746
% TOTAL	4.5	3.8	1.1			.3		.5	10.0	1.1	15.1			72.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
	PATUXENT RIVER, MARYLAND	1945-1982

MAY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1976			
2	0.34	9	1974			
3	0.98	25	1954			
4	1.80	46	1978			
5	0.32	8	1958			
6	0.83	21	1958			
7	1.95	50	1967			
8	0.70	18	1971			
9	0.65	17	1978			
10	0.26	7	1981			
11	1.98	50	1961			
12	0.83	21	1974			
13	1.08	27	1971			
14	1.29	33	1972			
15	1.77	45	1950			
16	1.76	45	1971			
17	1.87	47	1945			
18	1.91	49	1946			
19	1.15	29	1957			
20	0.84	21	1953			
21	0.97	25	1966			
22	0.80	20	1949			
23	0.92	23	1951			
24	1.88	48	1979			
25	1.99	51	1958			
26	1.16	29	1948			
27	0.66	17	1957			
28	2.16	55	1968			
29	1.51	38	1976			
30	2.68	68	1971			
31	1.95	50	1972			
Monthly	2.68	68	1971			

JUNE (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.14	29	1975			
2	1.35	34	1974			
3	3.06	78	1963			
4	1.64	42	1979			
5	2.39	61	1957			
6	1.47	37	1977			
7	1.29	33	1947			
8	1.02	26	1951			
9	0.51	13	1958			
10	1.54	39	1951			
11	2.48	63	1945			
12	0.85	22	1971			
13	1.08	27	1982*			
14	2.37	60	1960			
15	1.14	29	1965			
16	0.90	23	1966			
17	1.67	42	1977			
18	0.97	25	1958			
19	1.83	46	1949			
20	1.02	26	1964			
21	1.55	39	1961			
22	2.64	67	1972			
23	0.54	14	1974			
24	2.38	60	1964			
25	0.31	8	1955			
26	1.13	29	1958			
27	1.13	29	1956			
28	0.88	22	1972			
29	1.42	36	1982			
30	1.02	26	1979			
31						
Monthly	3.06	78	1963			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.2	4.7					.6	20.1	1.8	24.9			54.4
NNE	5.6	2.1	2.8					.7	18.9		28.7			53.1
NE	4.6	1.1	5.7						26.4		32.2			49.4
ENE	10.4	3.0	3.0					1.5	35.8		28.4			40.3
E	17.5	6.8	4.9					1.0	41.7	1.0	24.3			35.0
ESE	12.5	1.8	5.3						33.0	1.8	25.9			42.9
SE	5.0	4.6	.9					2.7	19.6	2.3	43.8			37.0
SSE	6.7	2.8	.4					1.8	13.7	2.8	41.9			46.8
S	7.4	3.5	.5					1.0	15.3	1.5	31.2			53.5
SSW	3.4	5.5	.7					2.8	11.0	4.1	32.4			53.8
SW		4.9	.7					.7	9.8	1.4	41.3			51.7
WSW		2.0						2.9	8.8	4.9	39.2			53.9
W	1.6	5.7						4.9	9.0	8.2	23.8			60.7
WNW		3.3						1.7	6.6	5.0	16.5			72.7
NW	2.6	5.1						1.3	13.5	2.6	21.2			62.8
NNW	3.3	4.9	1.6						17.9	1.6	17.9			65.0
VARIABLE														
CALM	~~1.1~~	~~2.2~~						~~1.1~~	~~23.6~~	~~12.1~~	~~31.3~~			~~96.7~~
TOTAL	121	88	39					37	445	79	769			1276
% TOTAL	4.9	3.5	1.6					1.5	17.9	3.2	31.0			51.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
	PATUXENT RIVER, MARYLAND	1945-1982

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.61	15	1979			
2	1.52	39	1945			
3	1.86	47	1978			
4	2.77	70	1981			
5	1.07	27	1945			
6	0.71	18	1961			
7	0.42	11	1954			
8	1.91	49	1956			
9	1.70	43	1945			
10	1.67	42	1959			
11	1.42	36	1975			
12	2.56	65	1969			
13	1.91	49	1975			
14	1.93	49	1959			
15	2.16	55	1959			
16	1.57	40	1949			
17	2.58	66	1945	T	T	1980
18	1.96	50	1945			
19	1.55	39	1982			
20	1.22	31	1956			
21	1.73	44	1979			
22	2.33	59	1980			
23	1.84	47	1948			
24	3.04	77	1958			
25	1.55	39	1978			
26	0.85	22	1981			
27	1.62	41	1960			
28	1.13	29	1981			
29	1.42	36	1960			
30	4.61	117	1960			
31	0.87	22	1978			
Monthly	4.61	117	1960	T	T	1980

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.26	83	1949			
2	2.07	53	1979			
3	1.25	32	1953			
4	2.19	56	1948			
5	1.66	42	1972			
6	1.73	44	1975*			
7	3.71	94	1974			
8	3.03	77	1953			
9	1.04	26	1954			
10	0.53	13	1954			
11	3.04	77	1979			
12	4.96	126	1955			
13	2.39	61	1955			
14	2.98	76	1953			
15	2.00	51	1958			
16	1.41	36	1975			
17	1.12	28	1982			
18	1.53	39	1955			
19	1.62	41	1957			
20	5.88	149	1969			
21	2.65	67	1973			
22	0.74	19	1967			
23	0.83	21	1967			
24	2.54	65	1958			
25	4.67	119	1958			
26	2.76	70	1971			
27	3.19	81	1947			
28	1.08	27	1949			
29	0.50	13	1959			
30	0.80	20	1957			
31	0.91	23	1978			
Monthly	5.88	149	1969			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	5.5	6.6					2.2	17.6	2.2	36.3			47.3
NNE	10.5	3.2	5.3					1.1	17.9	2.1	32.6			49.5
NE	6.7	2.2	2.2					1.1	20.2		20.2			59.6
ENE	6.3	9.4						3.1	25.0	1.6	29.7			48.4
E	6.0	6.0	1.2					2.4	15.7	4.8	36.1			45.8
ESE		3.5						1.2	9.4	2.4	35.3			54.1
SE	2.3	1.1	.6					1.7	5.1	1.7	46.0			48.9
SSE	4.1	1.2						1.6	5.7	2.0	53.3			40.2
S	2.6	4.5						1.9	8.3	3.4	44.4			45.5
SSW	2.1	3.7						.5	8.6	2.7	50.8			41.2
SW	1.1	3.7						1.1	4.8	4.8	49.7			45.0
WSW	2.3	4.6						.8	12.2	1.5	55.0			35.9
W		5.3						2.6	11.8	6.6	44.1			44.1
WNW		3.7							13.4	3.7	35.8			52.2
NW		3.1						2.3	4.6	1.5	26.7			67.9
NNW	2.3	.8						1.5	3.8	3.8	32.6			58.3
VARIABLE														
CALM		.7							16.2	7.9	52.4			32.7
TOTAL	60	80	15					34	244	78	1008			1147
% TOTAL	2.5	3.3	.6					1.4	10.2	3.3	42.0			47.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION: PATUXENT RIVER, MARYLAND — STATION NAME: 1945-1982 — YEARS

SEPTEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.78	20	1975			
2	1.66	42	1969			
3	2.99	25	1974			
4	2.16	4	1974			
5	3.21	82	1979			
6	1.20	30	1968			
7	1.04	26	1957			
8	2.51	13	1981			
9	2.01	51	1977			
10	1.69	43	1970			
11	1.11	28	1960			
12	3.89	99	1960			
13	0.96	25	1950			
14	2.16	55	1966			
15	1.93	49	1951			
16	1.52	39	1965			
17	1.26	33	1945			
18	2.21	56	1975			
19	2.97	25	1955			
20	0.98	25	1946			
21	2.67	68	1946			
22	2.60	66	1982			
23	2.75	70	1975			
24	2.78	20	1946			
25	0.98	25	1947			
26	2.28	58	1982			
27	1.57	40	1976			
28	1.12	28	1974			
29	0.81	21	1963			
30	1.79	45	1964			
31						
Monthly	3.89	99	1960			

OCTOBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.59	40	1964			
2	1.52	39	1973			
3	1.14	29	1980			
4	0.90	23	1962			
5	2.05	52	1948			
6	1.76	45	1957			
7	0.77	20	1951			
8	0.85	22	1947			
9	0.96	24	1975			
10	1.29	33	1971	0.1	3	1979
11	0.96	24	1952			
12	0.47	12	1946			
13	0.49	12	1982			
14	1.20	30	1959			
15	0.42	11	1954			
16	0.71	18	1964			
17	1.61	41	1975			
18	1.33	34	1980			
19	3.55	90	1966	T	T	1972
20	1.46	37	1976			
21	3.53	90	1961			
22	0.94	24	1958			
23	2.38	60	194[illegible]			
24	1.28	33	1959			
25	3.08	78	1980			
26	1.97	50	1977			
27	0.40	10	1954			
28	2.17	55	1953			
29	0.97	25	1973			
30	1.61	41	1956			
31	2.63	67	1949			
Monthly	3.55	90	1966	0.1	3	1979

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.9						.9	7.5	.9	37.7			57.5
NNE		2.2						.7	7.4	1.5	37.8			60.0
NE		5.8	1.4						11.6	5.8	47.8			43.5
ENE		6.0						4.0	24.0	8.0	50.0			40.0
E	9.3	2.7						2.7	20.0	1.3	57.3			29.3
ESE	1.0	9.3	1.0					5.2	6.2	1.0	60.8			35.1
SE	1.8	2.9						1.8	5.3	2.9	58.8			37.6
SSE	2.3	3.4						3.4	5.2	2.3	63.2			30.5
S	1.1	4.2						3.8	7.3	5.4	55.9			37.2
SSW	2.7	5.4						2.2	5.4	2.7	53.2			39.2
SW	1.0	5.7						2.4	7.7	3.8	56.9			36.4
WSW	2.0	4.7	.7					4.0	12.1	4.0	67.1			25.5
W	2.8	2.2						2.8	11.6	6.1	64.6			28.7
WNW		7.8						5.7	14.9	8.5	68.1			22.7
NW	.7	2.2	.7					1.5	11.7	6.6	60.6			31.4
NNW		3.5						1.8	9.7	6.2	48.7			46.0
VARIABLE														
CALM	.9	5.3						1.8	16.8	11.5	57.5			31.9
TOTAL	36	108	4					66	247	120	1406			900
% TOTAL	1.5	4.4	.2					2.7	10.0	4.8	56.7			36.3

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND (STATION NAME) — 1945-1982 (YEARS)

NOVEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.95	50	1949			
2	4.22	107	1956			
3	3.79	96	1947	T	T	1962
4	1.20	30	1982			
5	1.08	27	1962	T	T	1962
6	2.50	64	1963	0.3	8	1953
7	1.57	40	1959	0.1	3	1953
8	1.34	34	1972	T	T	1976
9	1.50	38	1962			
10	1.07	27	1955			
11	1.41	36	1979			
12	2.12	54	1968	0.7	18	1976
13	1.21	31	1982			
14	1.12	28	1945			
15	1.05	27	1970			
16	2.62	16	1956	T	T	1980
17	2.69	18	1956	T	T	1980*
18	2.73	19	1962			
19	1.20	30	1972	T	T	1963*
20	2.67	17	1952			
21	2.89	73	1952			
22	2.98	25	1945	T	T	1972
23	2.91	23	1953			
24	2.06	52	1959			
25	1.39	35	1964	T	T	1950
26	1.57	40	1979	0.4	10	1978
27	2.72	18	1948	0.4	10	1978
28	1.00	25	1948	0.1	3	1950
29	1.02	26	1963	0.4	10	1952
30	2.71	18	1967	7.1	180	1967
31						
Monthly	4.22	107	1956	7.1	180	1967

DECEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.73	19	1974	T	T	1956*
2	0.17	4	1952	T	T	1955*
3	1.48	38	1948			
4	1.03	26	1950	3.0	76	1957
5	1.21	31	1945	T	T	1954
6	0.81	21	1959	1.0	25	1954
7	0.92	23	1976	T	T	1975*
8	0.86	22	1974	1.8	46	1976
9	1.30	33	1978	T	T	1981*
10	1.74	44	1969	T	T	1982*
11	1.32	34	1960	4.0	102	1960
12	0.87	22	1959	6.5	165	1982
13	0.87	22	1959	0.6	15	1945
14	0.89	23	1953	3.6	91	1958
15	1.19	30	1948*	2.0	51	1981
16	1.66	42	1974	1.4	36	1973
17	0.68	17	1961	1.9	48	1973
18	1.87	47	1973	1.5	38	1946
19	0.92	23	1948	6.0	152	1945
20	1.40	36	1946	T	T	1982*
21	0.92	23	1952	6.5	165	1962
22	0.93	24	1969	2.0	51	1967
23	0.57	14	1961	3.0	76	1966
24	0.80	20	1966	8.0	203	1966
25	0.53	13	1945	4.5	114	1962
26	1.24	31	1969	1.5	38	1947
27	0.87	22	1964	T	T	1980*
28	0.78	20	1967	2.0	51	1966
29	1.09	28	1958	1.2	30	1976
30	0.98	25	1969	T	T	1977*
31	1.91	49	1975	6.3	160	1946
Monthly	1.91	49	1975	8.0	203	1966

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NOCD, Federal Building
Asheville, N. C.

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 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

C

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

72 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
45-55 — YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				47 NW	46 NW	46 N	42 NW	45 W	35 L	48 NW	42 NW	43 S	38
4	37 N	49 W	43 NW	43 NW	36 N	5		NW	41 NW	37 NW	49 NW	36 NW	55
47	46 WNW	47 W	57 SW	34 W	SW 45	NE 48	N	31 ESE	24 NW	35 NE	33 NW	42 NW	37 W 57
	36 NW	43 NW	37		NW 47	NNE 39	SW	44 NW	32 NW	33 NNE	49 NW	40 NW	50
	NW 48	WNW 48	WNW 47	ESE 40	NW 48	ESE 40	SW 68	ESE 65	NW 34	NNE 35	NW 43	NW 43	SW 68
	NW 46	NW 49	WNW 46	NW 41	NW 63	NW 41	NW 32	NW 47	NW 36	NW 42	NW 49	NW 42	NW 6
	W 44	NW 49	NW 44	N 38	NW 39	W 43	NW 54	NW 53	NW 30	NW 48			
	SW 50	NW 48	NW 46	N 42	SW 35	SW 50	NW 34	W 44	S 58	NW 46	SE 45	NW 57	S 58
	44	NW 36	NW 38	WNW 42	WNW 44	NW 55	N 35	N 48	WNW 46	NW 39	NW 50	NW 43	NW 55
4	48	N 51	S 48	NW 46	N 46	NW 70	NW 71	WNW 61	NW 46	SE 110	NW 46	N 48	ESE 1
5	53	NW 54	SSW 62	NW 63	W 44	ESE 54	SW 42	ESE 69	N 51	NW 56	NW 47	NNW 46	ESE 60
5	NW 55	SW 61	NNW 52	NW 54	NW 52	NNW 47	NW 60	NW 62	NE 55	N 48	NW 51	NW 49	NW 62
5	W 62	WNW 38	NW 46	NW 60	NW 38	SSW 60	NW 33	SW 56	WNW 38	ESE 69	NW 48	SSE 53	SSE 60
5	ESE 48	NNW 49	N 57	NNW 41	WNW 42	NW 60	W 40	SW 46	W 41	NW 39	NNW 55		
	NW 47	NW 43	WNW 47	NE 37	NW 31	WNW 43	NW 42	NNE 31	SE 31	S 30	NW 42	NW 38	NW 47
	NW 42	E 61	WNW 48	NW 38	WNW 37	SW 48	WSW 47	NW 43	NNW 45	N 35	SW 31	NNW 43	E 61
	NW 44	WSW 47	NW 40	43	WNW 33	WSW 48	W 34	SSW 29	N 29	NNE 30	NW 34	SSW 29	WSW 43
	NW 32	N 27	N 35	W 34	SSW 32	SW 30	NW 35	SW 24	SE 23	W 26	ESE 36	NW 39	NW 39
3	NW 39	NW 31	W 34	SW 41	NW 28	NNE 32	W 27	NW 31	S 31	NW 27	NW 35	NW 3	SW 41
4	W 34	W 41	SW 45	WSW 35	WNW 26	W 51	E 41	W 34	NNE 33	NW 31	SE 33	NW 34	W 5
5	NW 42	NW 43	SW 36	NW 38	SSW 43	W 38	NNW 32	NW 49	NW 26	SE 43	W 40	NW 30	NW 49
6	W 42	SE 32	W 37	WSW 30	W 33	WNW 28	W 35	SW 34	ESE 29	NW 28	S 32	NW 33	W 41
67	W 33	SSW 37	NW 46	NW 44	WSW 44	SW 25	NW 32	SW 36	W 35	SW 42	NW 40	SSW 40	NW 46
6	NW 35	NW 36	NW 43	NW 36	WNW 36	S 38	NNW 27	E 47	S 29	NW 29	NNE 39	W 40	E 47
6	W 31	NW 42	NW 35	N 34	SSW 37	WSW 40	NNW 32	SSW 39	S 25	WNW 29	NNW 42	NW 38	NW 42
	W 42	NW 37	N 26	W 44	NW 28	SW 30		NW 29	W 40	NW 28	NW 33	NW 38	
	432	4231	4034	3625	7732	4915	3401	2903	2815	2830	3424	44	25 77
	3421	4227	3922	2832	2534	3729	2629	2921	2832	3014	4229	31	21 42
3	2633	3624	4229	3233	2822	2331	2305	2316	3016	3021	3602	36	24 42
4	2326	3626	4325	3632	3332	2929	3615	2733	3433	2727	3210	49	10 49
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) OCTOBER (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	3.2	1.6						14.9	3.7	18.6			62.8
NNE	11.7	3.1	4.7		.8			.8	25.0	.8	26.6			49.2
NE	14.1	3.9	4.7						25.0	3.9	15.6			53.1
ENE	7.3	1.6	1.0					1.0	17.7	3.1	12.5			70.8
E	8.1	1.0	3.0						14.1	6.1	24.2			60.6
ESE	10.1		2.9					1.4	20.3	5.8	26.1			50.7
SE	3.7	2.5							18.5	3.7	42.0			40.7
SSE	6.9	5.2							18.1	4.3	49.1			33.6
S	6.7	2.2	.6						10.6	4.5	34.6			52.5
SSW	2.5	1.9							8.3	4.5	27.4			62.4
SW	4.1	1.4							6.8	2.7	34.7			57.1
WSW	4.3	.9							8.6	6.0	24.1			63.8
W	4.0	4.0	.6						9.8	5.7	22.4			63.8
WNW	2.8	2.2	.6					.6	6.7	2.8	10.7			80.9
NW	1.6	2.1	1.0					.5	8.9	6.8	12.6			73.8
NNW	4.2	1.9	.5						8.5	.9	8.5			81.7
VARIABLE														
CALM	.9	1.8							8.5	23.7	24.8			52.7
TOTAL	130	58	27		1			5	310	140	577			1520
TOTAL	5.2	2.3	1.1		.0			.2	12.5	5.6	23.3			61.3

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

DAILY PEAK GUSTS IN KNOTS **(MPH 1949-1955)**

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	[illegible] 41	22 37	31 37	29 47	3[illegible] 3[illegible]	24 40	01 31	25 33	29 3[illegible]	38 2[illegible]	30 29	19 31	29 47
6	32 32	22[illegible] 41	31 37	30 27	3[illegible] 29	16 23	36 39	32 18	33 16	35 25	31 28	3 38	29 [illegible]
7	36 41	31 35	29 40	32 39	35 42	23 40	29 53	24 54	8 41	27 36	29 39	3 38	24 54
7	23 6	2[illegible] 39	23 37	4 43	.5 28	31 52	30 38	18 32	02 26	32 28	30 [illegible]8	29 43	23 6
7	[illegible] 37	36 43	32 3	30 35	16 32	22 28	21 31	04 33	16 5[illegible]	27 32	24 48	34 36	16 53
[illegible]0	[illegible]1 2	33 34	31 47	31 32	23 3	33 40	[illegible]9 65	32 54	33 27	32 36	34 35	36 38	2[illegible] 65
	34 31	21 37	27 38	28 47	31 31	31 47	44 3	42 31	32 25	27 26	29 31	32 35	28 47
	32 4	22 29	33 [illegible]7	[illegible]1 51	26 29	11 27	27 32	36 30	10 31	06 37	33 31	[illegible]3 27	31 51
MEAN	[illegible]1.0	41.7	42.1	40.4	37.[illegible]	41.7	39.3	3[illegible].3	35.2	37.8	39.1	3[illegible].8	54.8
S.D.	[illegible].75	7.881	7.684	7.901	10.418	11.089	11.671	12.997	9.942	15.411	7.1[illegible]2	7.112	14.135
TOTAL OBS.	1142	1140	1173	1135	1175	1136	1112	1169	1136	1173	1099	1111	13571

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	.5	5.9			.5			18.1	1.0	16.2			64.7
NNE	16.7		7.5			.8			29.2	2.5	29.2			41.7
NE	6.6	1.1	2.2		1.1	2.2			27.5	1.1	29.7			44.0
ENE	12.5	3.1	4.7			4.7			26.1	1.6	34.4			32.8
E	15.5		1.7		1.7				27.6	3.4	25.9			44.8
ESE	12.1		5.2						27.6	1.7	41.4			32.8
SE	1.1	3.3	1.1						22.8	1.1	33.7			43.5
SSE	5.9	3.0	1.0						22.8	1.0	34.7			45.5
S	6.1	3.7	1.2			.6			15.5	2.5	33.5			52.8
SSW	3.4	3.4	.7						8.2	3.4	16.3			70.7
SW	1.4	2.9	.7						10.9	2.2	18.8			71.0
WSW		2.1							5.0		15.7			78.6
W	2.6	1.0	1.5						11.8	4.1	13.8			70.3
WNW	1.2								7.0	4.1	8.1			82.0
NW	4.0	.5				.5			9.5	3.0	7.5			79.5
NNW	6.7	1.6	.4						10.2	.8	7.5			79.5
VARIABLE														
CALM	4.9	1.0	1.0					.5	21.0	9.8	14.6			39.0
TOTAL	135	37	42		2	9		1	373	67	453			1531
% TOTAL	5.6	1.5	1.8		.1	.4		.0	15.5	2.8	18.9			63.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
72	PATUXENT RIVER, MARYLAND	45-58

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1958)
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4							W 39 26						WINDS DAYS
[illegible]				NW 43 25									WINDS DAYS
											SSE 42 25	NW 41 25	WINDS DAYS
[illegible]												NNE 37 26	WINDS DAYS
							NE 38 21						WINDS DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0		3.0	.5	2.5	3.5			29.0	.5	9.0			60.0
NNE	15.1	.7	2.9	.7	.7	2.9			33.1		7.2	1.4		57.6
NE	9.8		4.9	1.2	1.2	6.1			12.2		12.2	1.2		65.9
ENE	17.1		1.3			1.3			19.7	1.3	9.2			64.5
E	17.3		1.3			1.3			25.3	1.3	21.3			50.7
ESE	20.0		1.8						23.6	5.5	14.5			56.4
SE	13.4	1.5	3.0						23.9	7.5	19.4			52.2
SSE	16.8	1.9	.9						31.8	1.9	15.0			50.5
S	10.2	1.8	.6		.6				18.1	1.8	10.8			68.1
SSW	6.5	1.9	1.3	.6	.6	1.3			13.6	1.3	15.6			68.8
SW	5.8	1.8	1.2						11.7	2.3	17.0			69.6
WSW	3.8		1.5						11.3	.8	3.8			80.5
W	5.6	.7				2.8			13.9	1.4	6.3			75.7
WNW	1.7	.6	.6			1.1		.6	10.9	1.1	2.9			85.1
NW	2.5	1.3	.4			1.3			8.4	.4	3.4			85.7
NNW	2.7	1.2	1.6		1.2	3.5			11.8	1.2	5.5	.4		80.0
VARIABLE														
CALM	5.4	.4	2.5	.8		1.2			21.1	6.6	12.8			63.4
TOTAL	202	22	39	6	12	41		1	437	47	241	4		1722
% TOTAL	8.2	.9	1.6	.2	.5	1.7		.0	17.6	1.9	9.7	.2		69.5

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
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	1.9	2.3	2.3	.6								7.1	5.9
NNE		1.0	1.6	.6								3.2	7.4
NE	.6	.6	.3	.6								2.3	7.0
ENE	1.3	.3	.3	.3								1.9	5.7
E	.3	1.9	.6									2.9	5.2
ESE		1.0	.6									1.6	6.2
SE	.6	.3	.6									1.6	5.6
SSE	.6	2.3	1.0	1.0	.3							5.3	7.9
S	1.9	1.9	1.6	.3								5.9	5.6
SSW	.3	.3	1.6	1.0								3.3	9.0
SW	1.0	1.0	1.0	.6								3.6	7.3
WSW	.6	1.3	2.6	.6	.3	.3						5.5	9.0
W	2.6	4.2	1.9	1.3								9.7	6.0
WNW	1.6	1.6	2.6	3.2	.6							9.7	9.4
NW	1.0	4.9	2.9	1.9								10.7	7.3
NNW	2.9	3.9	5.2	1.6								13.6	6.9
VARBL													
CALM												12.3	
	17.2	28.5	26.9	13.6	1.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	3.2	1.9								7.8	6.0
NNE	1.6	1.3	1.0	.3								4.2	5.8
NE		.6	.6	.3								1.6	7.4
ENE	.6	1.0	.3									1.9	4.3
E		1.3	.6									1.9	6.0
ESE		1.3										1.3	4.8
SE	1.0	.3	.6									1.9	4.8
SSE	1.6	1.6	.3	.3								3.9	4.4
S	.6	3.2	1.6	.3								5.6	6.3
SSW	.6	.6	1.0	.3		.3						2.9	8.3
SW		.6	1.6	1.0								3.2	8.9
WSW	.3	.6	1.3	1.3		.3						3.9	9.8
W	1.3	1.3	2.3	1.9								7.4	7.7
WNW	1.9	1.3	1.6	4.2	.3	.3						9.7	9.5
NW	2.3	3.2	3.6	1.6	.3							11.0	7.1
NNW	1.3	7.4	4.5	1.3	.3							14.9	6.6
VARBL													
CALM												16.5	
	14.2	29.2	24.3	14.9	1.0	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 309

SMO8

2

4231 54321

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) ALL (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	2.1	3.9	.7	.4	2.6		.5	20.7	1.4	19.9	.4		57.2
NNE	9.9	1.9	4.0	.6	.7	3.1		.6	21.0	1.1	24.4	.5		52.4
NE	8.7	2.5	3.6	.3	.4	2.1		.2	20.5	1.9	25.2	.3		53.0
ENE	10.6	2.4	2.7	.5		2.4		1.2	23.4	2.5	26.1			50.0
E	11.2	3.7	2.5	.1	.2	1.4		1.0	23.5	2.3	31.4			44.7
ESE	9.0	2.9	2.2	.1	.1	1.1		1.1	18.1	2.4	33.8			47.1
SE	4.7	2.6	.8			.6		.9	14.1	2.5	39.9			45.7
SSE	6.6	3.1	.5	.0		.2		1.3	14.1	1.7	39.4	.0		46.4
S	5.2	3.6	.3		.1	.6		1.3	10.9	3.0	35.5			52.4
SSW	3.2	3.3	.5	.1	.1	.3		1.2	9.0	3.7	33.8			55.2
SW	1.8	3.2	.4			.2		.6	7.7	3.8	35.9			55.8
WSW	2.3	2.3	.3			.2		1.0	9.3	3.1	32.1			58.4
W	2.3	2.5	.4		.1	.4		1.2	10.4	5.9	27.7			59.9
WNW	1.5	2.0	.4			.6		.8	8.4	3.9	20.7	.3		69.7
NW	2.1	2.2	.8	.0		.8		.4	9.3	2.8	16.1	.2		72.5
NNW	3.1	1.8	1.4	.0	.2	1.7		.5	9.8	1.7	14.1	.1		74.1
VARIABLE														
CALM	2.9	1.6	1.1	.1		.6		.4	11.6	11.0	28.9			31.1
TOTAL	1407	736	391	41	33	297		238	3984	1011	8189	34		16629
% TOTAL	4.8	2.5	1.3	.1	.1	1.0		.8	13.6	3.5	28.0	.1		56.9

TOTAL NUMBER OF OBSERVATIONS 29,211

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DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 07 (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	2.6	2.9	.6								7.7	6.3
NNE	1.0	2.9	.3									4.2	5.0
NE	.6	2.3	.3	.3								3.5	5.9
ENE	1.4	1.3	.3									3.2	4.2
E	.6	2.6										3.2	4.8
ESE		1.0	.3	.3								1.6	6.8
SE	1.3	1.0	1.3									2.9	4.9
SSE	1.3	1.0	.6									2.9	4.3
S	1.0	1.9	1.0	.3								4.2	5.7
SSW	1.6	1.0	1.0	2.3								5.3	8.0
SW	1.3	2.6	.6	.3	.3		.3					5.5	7.3
WSW	1.6	1.0	1.3	1.0								4.5	6.5
W	3.2	2.6	.6	1.3	.3							8.1	6.1
WNW	1.6	1.6	2.3	2.3	1.3							9.3	9.6
NW	2.3	3.2	1.6	1.6								8.7	6.7
NNW	2.9	3.9	5.8	1.9								14.5	7.0
VARBL													
CALM												10.3	
	27.2	32.3	19.7	12.3	1.9		.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

10 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.5	4.2	1.0								9.7	7.1
NNE	.6	4.5	1.6									6.8	5.6
NE	.5	.6	.5									1.9	5.2
ENE	.5	1.9	.6									3.2	5.0
E	1.0	2.3	.6	.6								4.5	5.7
ESE		1.0	.3									1.3	5.5
SE	.6	1.9	.6									3.2	5.0
SSE	.3	1.9	1.9	.3								4.5	6.5
S	.7	1.3	.6	1.0	.3							3.5	8.4
SSW	.3	1.0	2.3	1.3								4.8	8.5
SW	1.7	.6	1.9	1.6	.3							5.3	9.1
WSW	.3	1.0	1.3	.6	.3	.3						3.9	10.5
W	1.0	2.3	2.6	2.3	.6							8.7	9.1
WNW	.6	1.3	3.2	1.3	1.0							7.4	10.0
NW	.6	3.2	2.6	5.8	1.6							13.9	12.6
NNW	1.3	3.2	6.8	.6	.3							12.3	7.6
VARBL													
CALM												4.5	
	10.6	31.6	31.0	16.5	4.5	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 312

SMOs

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

[redacted] STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-A? YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	13.9	2.1	5.3	4.5	7.6	7.8	4.2	1.[illegible]					34.1	1085	3.07	6.17	.4[illegible]
FEB	55.[illegible]	11.[illegible]	2.1	5.8	4.2	7.1	6.7	5.3	1.6	.1				32.[illegible]	989	2.89	7.02	.[illegible]1
MAR	[illegible]1.1	1[illegible].0	2.[illegible]	5.8	4.3	6.9	6.3	5.8	2.[illegible]	.1				33.9	1147	3.53	7.[illegible]0	.[illegible]3
APR	[illegible].[illegible]	13.9	2.9	6.9	4.3	7.0	6.8	4.1	1.[illegible]					33.[illegible]	1140	2.8[illegible]	6.74	.94
MAY	[illegible].[illegible]	13.[illegible]	2.6	7.0	4.4	7.0	7.[illegible]	[illegible].3	2.3	.2				36.2	1178	3.80	9.80	.4[illegible]
JUN	55.1	13.0	2.3	6.5	4.3	5.5	4.[illegible]	5.2	3.1	.2				31.[illegible]	1110	3.51	7.34	.2[illegible]
JUL	[illegible]4.1	13.1	2.2	5.7	3.9	6.7	5.5	4.7	3.[illegible]	.4				32.8	1147	4.28	15.51	1.0[illegible]
AUG	5[illegible].6	12.2	2.0	4.9	3.2	6.5	5.3	3.3	2.[illegible]	1.0	.1			29.2	1178	4.26	11.10	.61
SEP	64.[illegible]	11.0	2.[illegible]	4.0	3.0	5.5	3.[illegible]	4.0	2.7	.5				25.0	1110	3.29	7.99	.[illegible]9
OCT	65.4	11.7	1.4	4.8	2.2	4.4	4.3	3.1	2.1	.3				22.8	1178	2.86	6.61	TRACE
NOV	6[illegible].4	12.3	2.0	5.6	3.0	5.6	4.4	4.1	2.[illegible]	.2				27.3	1050	3.06	7.95	.31
DEC	57.2	13.3	1.[illegible]	5.1	3.1	6.0	5.7	5.9	1.9					29.6	1116	3.18	6.50	.47
ANNUAL	5[illegible].[illegible]	12.9	2.[illegible]	5.7	3.7	6.3	5.7	4.6	2.3	.2	.0			30.8	13428	30.62		

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ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 13 (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	3.2	1.9	1.9	.3							8.7	7.9
NNE	.3	4.5	1.3									6.1	5.5
NE	1.3	1.9	1.0									3.9	5.3
ENE	1.0	2.6										3.6	4.3
E	1.6	1.6	.3									3.6	4.4
ESE	1.0	2.3	.6									3.9	4.3
SE	1.3	3.6	1.3									6.2	6.0
SSE	.3	1.3	1.3	.6								3.6	7.5
S		.3	2.3	1.0	.3							3.9	11.0
SSW	.3	.6	1.9	1.0								3.9	8.3
SW		.6	1.0	1.6								3.2	10.0
WSW		1.3	.6	2.6	1.3	.6						7.1	12.2
W		.6	2.3	2.6	1.0							6.5	11.6
WNW		1.6	2.9	2.3	1.0	.3						8.1	11.5
NW	1.3	1.3	3.9	6.1	1.3	.3						14.2	11.2
NNW	.6	3.6	5.2	1.9	.6							12.0	8.3
VARBL													
CALM												1.0	
	9.7	31.7	28.8	21.7	5.8	1.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

L3

3145/

[illegible] PATUXENT RIVER, MARYLAND 45-8[illegible]
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	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					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7[illegible]	1[illegible].3	2.1	1.9	1.[illegible]	.7	.5	.9	.4	.1				[illegible].[illegible]	1[illegible]54	[illegible].6	[illegible]	.
FEB	[illegible]	9.1	.[illegible]	2.3	1.4	.[illegible]	.[illegible]	.4	.[illegible]	.1				7.2	961	[illegible].1	12.3	.
MAR	[illegible]	[illegible].0	.6	.9	.[illegible]	.4	.1	.4	.4					[illegible].3	111[illegible]	[illegible].7	22.[illegible]	.[illegible]
APR	[illegible]	1.3	.1											.1	1110	TRACE	.3	.[illegible]
MAY	99.[illegible]	.1													1179	TRACE	TRACE	.[illegible]
JUN	[illegible]														1140	.[illegible]	.[illegible]	.
JUL	[illegible]	.1													1116	TRACE	TRACE	.[illegible]
AUG	[illegible]														1147	.[illegible]	.[illegible]	.[illegible]
SEP	[illegible]														1140	.[illegible]	.	.
OCT	[illegible]	.1	.1											.1	1147	TRACE	.1	.
NOV	97.[illegible]	[illegible].2	.6	.1					.1					.[illegible]	1050	.3	7.1	.[illegible]
DEC	[illegible]	7.[illegible]	.[illegible]	1.2	.[illegible]	.2	.[illegible]	.2	.[illegible]					3.[illegible]	1054	2.4	13.0	.[illegible]
ANNUAL	9[illegible].[illegible]	3.[illegible]	.4	.5	.4	.2	.1	.2	.1	.0				1.[illegible]	13213	16.1		

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SURFACE WINDS

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

1172 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 16 (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	2.3	3.6	1.0								8.7	6.3
NNE	1.4	2.6	1.0	.3								5.5	5.2
NE	1.	2.	1.0									4.	4.7
ENE	.4	1.9	.6									3.2	5.2
E	1.9	1.3										3.	2.9
ESE	.6	1.3										1.9	4.0
SE	1.7	1.6	3.9	.3								7.1	6.9
SSE	1.0	2.3	3.2	.6								7.1	6.6
S	.7	.6	1.3	1.3								3.6	6.1
SSW	.7	1.0	.6	1.6								3.6	6.3
SW	.7	1.	1.3	1.6								4.	8.9
WSW	1.	1.	1.6	2.3								5.	8.6
W	.7	2.3	2.3	1.3	.6	.3						7.1	9.7
WNW		.6	4.2	1.9	1.0							7.8	10.9
NW		3.9	4.2	3.6	1.0							12.6	9.9
NNW	.3	3.6	3.6	3.2								10.7	8.6
VARBL													
CALM												2.9	
	12.6	30.1	32.4	19.1	2.6	.3						100.	7.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

[illegible] PATUXENT RIVER, MARYLAND 45-8[illegible]

STATION | STATION NAME | YEARS

	AMOUNTS (INCHES)												PERCENT OF DAYS WITH	TOTAL NO. OF	MONTHLY AMOUNTS (INCHES)
PRECIP	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			

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
17721	PATUXENT RIVER, MARYLAND	73-92	JAN

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 19

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	4.2	1.3	.6								7.1	6.3
NNE	1.3	1.3	1.0	.3								3.9	5.7
NE	2.3	1.0	1.0									4.2	4.4
ENE		.3	.6									1.0	7.3
E	1.0	.3	.6									1.9	4.3
ESE	.3	.3	1.0									1.6	5.6
SE	.8	1.6	.6	.3								3.2	5.7
SSE	.6	2.9	.3	.6	.3							4.3	6.7
S	3.9	3.5		.6								8.1	4.0
SSW	.6	.3	1.6	.6								3.2	3.1
SW	.6	1.3	1.6		.6							4.2	6.3
WSW	.6	1.3	2.9	1.0	1.0							6.8	9.2
W	2.3	2.9	1.0	.6	.6							7.4	6.7
WNW	1.3	1.6	1.0	1.9	.6							6.5	8.9
NW	1.3	2.6	1.3	1.9	.6	.3						8.1	9.1
NNW	1.3	3.5	3.2	1.9	.6							10.5	8.4
VARBL													
CALM												17.4	
	18.7	29.0	19.4	10.6	4.5	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS

H 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21	PAT[illegible]XENT RIVER, MARYLAND	73-82	JA[illegible]
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

22
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	1.3								9.4	6.[illegible]
NNE	[illegible]	1.6	[illegible]									2.3	5.6
NE	[illegible]	1.6	1.[illegible]									2.[illegible]	5.3
ENE	[illegible]	1.[illegible]										1.6	4.4
E	1.0	.6	1.[illegible]	.3								2.[illegible]	6.[illegible]
ESE	[illegible]	[illegible]	.6									1.[illegible]	5.6
SE	1.[illegible]	1.3	1.6									4.[illegible]	4.[illegible]
SSE	1.[illegible]	2.3	.6	[illegible]								5.[illegible]	4.8
S	2.3	[illegible]	[illegible]	.6								7.1	4.7
SSW	[illegible]	1.[illegible]	[illegible]	.3								2.3	5.9
SW	1.[illegible]	1.[illegible]	2.[illegible]	1.3								5.[illegible]	8.1
WSW	1.[illegible]	1.6	2.[illegible]	2.3	.6							8.1	9.2
W	1.[illegible]	1.[illegible]	.6	1.[illegible]	.3							5.2	7.5
WNW	.6	1.6	1.[illegible]	1.9	1.3	[illegible]						7.7	10.6
NW	1.0	1.6	1.[illegible]	2.3	.6							7.4	8.9
NNW	2.[illegible]	3.[illegible]	3.[illegible]	3.5	.3	[illegible]						14.5	7.8
VARBL													
CALM												12.[illegible]	
	20.3	27.4	20.[illegible]	15.5	[illegible].2	[illegible]						100.[illegible]	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	JAN

CLASS: ALL WEATHER — HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	2.[illegible]	2.[illegible]	1.1	.[illegible]							[illegible].3	[illegible].7
NNE	.[illegible]	2.[illegible]	1.[illegible]	.2								4.5	[illegible].6
NE	.[illegible]	1.[illegible]	.[illegible]	.2								3.[illegible]	5.4
ENE	.[illegible]	1.3	.4	.[illegible]								2.[illegible]	4.[illegible]
E	.[illegible]	1.[illegible]	.[illegible]	.1								3.[illegible]	4.9
ESE	.[illegible]	1.1	.4	.[illegible]								1.[illegible]	[illegible].[illegible]
SE	.9	1.[illegible]	1.4	.1								3.[illegible]	5.7
SSE	1.[illegible]	1.9	1.2	.5	.1							4.[illegible]	6.2
S	1.[illegible]	2.1	1.1	.7	.1							5.[illegible]	6.3
SSW	.6	.7	1.3	1.1		.[illegible]						3.7	[illegible].3
SW	.7	1.1	1.4	1.0	.2		.[illegible]					4.4	[illegible].4
WSW	.7	1.2	1.7	1.5	.4	.2						5.[illegible]	9.5
W	1.[illegible]	2.1	1.[illegible]	1.5	.4	.[illegible]						7.[illegible]	7.9
WNW	1.[illegible]	1.4	2.5	2.4	.9	.1						[illegible].[illegible]	10.0
NW	1.2	3.[illegible]	2.[illegible]	3.1	.7	.1						10.[illegible]	9.1
NNW	1.7	4.1	4.7	2.[illegible]	.3	.[illegible]						12.9	7.6
VARBL													
CALM												9.7	
	15.[illegible]	29.8	25.[illegible]	15.5	[illegible].1	.[illegible]	.[illegible]					[illegible]0.[illegible]	6.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS

10
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PATUXENT RIVER, MARYLAND 73-82 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 21
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible].1	[illegible].3	2.[illegible]	1.1								[illegible].5	[illegible].2
NNE	1.1	1.[illegible]	1.1	1.8								5.[illegible]	[illegible].4
NE	.7	1.1	.7		.4							[illegible].[illegible]	[illegible].9
ENE	.4	2.1	.4									[illegible].[illegible]	[illegible].[illegible]
E	.4	.4	1.1									1.[illegible]	[illegible].3
ESE	.7	.7	.4									1.[illegible]	4.4
SE	1.4	1.4	1.1									3.[illegible]	4.[illegible]
SSE	[illegible].1	1.4	.7	.4	.4							[illegible].[illegible]	[illegible].7
S	1.4	1.1	2.1	.4	.4							[illegible].[illegible]	[illegible].2
SSW	1.4	1.[illegible]	1.1	1.1								[illegible].[illegible]	[illegible].[illegible]
SW	.7	1.4	2.[illegible]	1.4								[illegible].[illegible]	[illegible].2
WSW	1.4	.7	.7	.4								3.[illegible]	[illegible].[illegible]
W	.7	.7	.7	.4	.4							2.[illegible]	[illegible].9
WNW	[illegible].1	[illegible].[illegible]	1.1	2.1	.7	.4						[illegible].[illegible]	[illegible].[illegible]
NW	[illegible].1	2.[illegible]	2.[illegible]	2.[illegible]	.4							10.[illegible]	[illegible].7
NNW	1.[illegible]	[illegible].[illegible]	4.[illegible]	2.[illegible]	.4							13.1	[illegible].2
VARBL													
CALM												12.1	
	20.[illegible]	27.3	23.[illegible]	13.[illegible]	2.8	.4						1 0.[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS [illegible]2

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
4			•	•	•	•	•	•	•	•			
4	1.[illegible]	2.6	.[illegible]	•	•	•	•	•	•	•	.0	[illegible].7	[illegible]
4	1.[illegible]	.8	7.[illegible]	.[illegible]	.[illegible]	.0	.0	•	•	•	.[illegible]	1.[illegible]	7.
4	5.5	3.3	TRACE	.[illegible]	.[illegible]	.0	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	TRACE	[illegible].5
[illegible]			TRACE	.[illegible]	•	•	•	.[illegible]	.[illegible]	.[illegible]	TRACE	•	
[illegible]	•		5.		•	.0	•	.[illegible]	.[illegible]	•	.2	TRACE	
	TRACE	.[illegible]		.[illegible]	.[illegible]	•	.[illegible]	.[illegible]	•	•			
		.9	TRACE	.[illegible]	.[illegible]	.0	.0		.[illegible]	•		.[illegible]	
[illegible]	TRACE	.0		•	•	.0		.0	.0		.3		
4	.1.2	TRACE	.[illegible]	TRACE	TRACE	.[illegible]	.0	.[illegible]	.[illegible]	.[illegible]	.0	1.[illegible]	11.2
5	4.[illegible]		.[illegible]	.[illegible]	•	.0	.[illegible]	.0	•	.0	TRACE	TRACE	
5	1.4	TRACE	TRACE	TRACE	•	.0	.[illegible]	•	.[illegible]	.[illegible]	TRACE	TRACE	[illegible].4
5	3.9	.5	.[illegible]	.0	.0	.0	.0	.0	.0	.[illegible]	.0	3.[illegible]	3.[illegible]
[illegible]	4.9	.4	7.[illegible]	.0	.[illegible]	.0	.[illegible]	.0	.0	.0	.0	3.[illegible]	7.[illegible]
[illegible]	2.0	TRACE	TRACE	TRACE	•	•	.0	.0	.0	•	•		
	1.[illegible]	5.4	9.4	TRACE	•	.[illegible]	.[illegible]	•	.[illegible]	•	.0	4.[illegible]	[illegible].4
	5.	4.[illegible]	TRACE	.0	.0	.0	•	.0	.0	.0	TRACE	.[illegible]	5.[illegible]
[illegible]	5.3	4.[illegible]	2.3	.0	.[illegible]	.[illegible]	.0	.0	.[illegible]	.0	TRACE	6.5	6.5
[illegible]	1.6	1.0	TRACE	.0	.0	.0	•	.0	•	.0	.0	2.[illegible]	2.[illegible]
4	5.4	7.2	3.0	TRACE	•	.0	.[illegible]	.[illegible]	.[illegible]	.0	TRACE	•	7.[illegible]
5	5.2	3.7	3.0	.[illegible]	.0	.0	.0	.0	•	.[illegible]	.0	.[illegible]	5.2
6	9.	2.[illegible]	TRACE	TRACE	•	.0	•	.[illegible]	.0	.0	TRACE	8.	[illegible].0
6[illegible]	5.	7.5	TRACE	.[illegible]	.[illegible]	.0	•	.[illegible]	.[illegible]	.[illegible]	7.1	2.0	7.5
6[illegible]	3.0	4.1	2.3	.[illegible]	.[illegible]	.0	•	.[illegible]	.0	.0	TRACE	TRACE	[illegible].1
6[illegible]	.2	2.8	6.3	.0	.0	.0	•	.[illegible]	.[illegible]	.[illegible]	TRACE	.6	6.3
[illegible]	2.9	.7	TRACE	.[illegible]	.0	.[illegible]		.[illegible]	.0	.[illegible]	.0	.3	
[illegible]	1.0	TRACE	7.0	TRACE	•	.[illegible]	.0	.[illegible]	.0	.0	.0	TRACE	7.0
		5.5	•	.3	•	.[illegible]	.[illegible]	.0	.0	TRACE	TRACE	.[illegible]	
[illegible]3	2.0	TRACE	TRACE	TRACE	•	.[illegible]	•	.[illegible]	.[illegible]	.[illegible]	.0	1.9	2.[illegible]
74	TRACE	4.2	TRACE	TRACE	•	.0	.0	.0	.[illegible]	.[illegible]	.0	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PAT[illegible]ENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

04 — 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	1.4	3.2	1.8								7.8	7.7
NNE	.4	1.4	3.2	.4								5.[illegible]	8.3
NE	.7	1.4	.7									2.[illegible]	5.6
ENE		.7	.4									1.1	6.3
E	1.1	1.1	1.1									3.2	5.1
ESE	.4	1.1										1.4	4.3
SE	.4	1.[illegible]	.4									2.5	5.1
SSE	1.[illegible]	1.1	1.1	.4	.4							4.[illegible]	6.2
S	1.1	2.[illegible]		.7								4.[illegible]	[illegible].4
SSW	.7	.7	2.1	1.4								5.[illegible]	8.4
SW	.7	1.[illegible]	1.1	.7		.4						4.6	7.7
WSW	.4	.7	1.1	1.4								3.5	8.7
W	1.[illegible]	2.5	.7	.7								5.7	9.5
WNW	1.[illegible]	1.4	1.	1.4	1.1							7.4	8.9
NW	3.[illegible]	4.6	2.[illegible]	2.8								13.[illegible]	6.6
NNW	3.2	2.[illegible]	6.[illegible]	2.1								14.2	7.2
VARBL													
CALM												12.[illegible]	
	1[illegible].5	27.0	2[illegible].2	13.8	1.4	.4						100.[illegible]	6.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

? STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-? YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
5	[illegible]	4.3	.5	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
6	[illegible]	1.2	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]	[illegible]
7	6.3	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]
7	[illegible]	5.7	6.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
	[illegible]	2.0	5.6	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	TRACE	TRACE	5.6
	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	6.6	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	2.79	.81	.01	TRACE	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	.25	1.51	[illegible]
S.D.	2.673	2.792	2.834	.49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.201	2.291	[illegible]
TOTAL OBS.	[illegible]	961	1116	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

10 — 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	2.1	5.[illegible]	2.8								11.7	8.1
NNE	1.4	2.8	1.[illegible]	.4								6.4	5.7
NE	1.1	4.3	.4	.7	.4							6.7	6.3
ENE		1.1	.4	.4								1.8	8.6
E	1.9	2.1	.7									4.6	4.2
ESE		1.1	.4									1.4	5.8
SE	1.1	1.1	1.4	.7								4.3	6.7
SSE	.7	1.1	1.1	1.4								4.3	8.1
S	.4	1.1	.7	1.1								3.2	8.3
SSW	.4	.7	1.1	1.1	.4							3.5	9.4
SW	.7	1.4	3.5	2.8								8.5	9.0
WSW		1.4	2.1	2.1	.4							6.0	10.0
W	.4	1.1		1.8								3.2	9.2
WNW	.7	.7	2.1	.7	.7							5.0	9.5
NW		2.[illegible]	7.1	7.1	.4	.4						17.4	10.6
NNW		1.4	3.5	3.5	.7		.4					9.6	11.5
VARBL													
CALM												2.5	
	10.3	25.9	31.2	26.6	2.8	.4	.4					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

721	PATUXENT RIVER, MARYLAND	45-53
STATION	STATION NAME	YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											• 29	5• 31	SNOFALL DAYS
4	•6 31	TRACE 27											SNOFALL DAYS
		1•3 27											SNOFALL DAYS
			TRACE 3								•0 29	TRACE 29	SNOFALL DAYS
2	TRACE 28							•1 29			1•3 29		SNOFALL DAYS
3			4• 3				•3 30			•3 30		•2 3	SNOFALL DAYS
5		2• 28											SNOFALL DAYS
												•7 30	SNOFALL DAYS
							•1 21						SNOFALL DAYS
2	•1 30												SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.5	2.9	1.8								8.5	7.1
NNE	.7	3.9	2.9	.7	.4							8.5	7.0
NE	.7	3.5	1.1	.7								6.0	6.1
ENE	1.4	3.2	1.4									6.0	5.0
E	.7	1.8	.7									3.2	5.4
ESE	1.1	.7	.4									2.1	4.0
SE	1.1	2.9	3.2	1.8								8.9	7.2
SSE	.4	1.4	2.5	1.8	.4							6.7	8.9
S		1.4	.7	1.4								3.5	8.9
SSW	.4	.4	1.1	.7	.7							3.2	10.3
SW		.4	1.4	2.1								3.9	10.4
WSW		.7	2.1	1.8	.4							5.0	10.7
W		.4	3.2	1.1	.4							5.0	10.3
WNW		1.4	1.4	2.1	.4	.4						5.7	10.4
NW		1.1	3.5	6.4	1.4							12.4	12.1
NNW	.4	1.1	5.0	3.9	.7							11.0	10.3
VARBL													
CALM												.4	
	9.2	26.6	33.7	26.2	4.6	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] PATUXENT RIVER, MARYLAND 45-82
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
4													
4													
[illegible]			TRACE								TRACE		
[illegible]	TRACE												
5		TRACE		TRACE									TRACE
5	TRACE												
5													
5	TRACE											4	
[illegible]													
63													
64				TRACE									
5													
6												11	
67													
6													
67	TRACE											TRACE	
			TRACE									TRACE	
				TRACE									
73													
74													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.8	2.5	1.1								7.1	7.0
NNE	.4	2.8	3.5	1.1								7.8	7.1
NE	1.1	3.5	1.1	.4								6.0	5.8
ENE	1.4		1.4									2.8	5.1
E	.7	1.1										1.8	3.6
ESE	2.1	3.5	.4	.4								6.4	4.8
SE	.4	4.6	6.4	.4								11.7	7.0
SSE	.4	2.5	5.7	3.2								11.8	8.2
S		.7	1.4									2.1	7.8
SSW		1.1	.7	1.4								3.2	9.4
SW			1.4	1.8	.4							3.6	11.1
WSW	.7	.4	1.4	.7								3.2	7.7
W		1.1	2.1	1.8								5.0	9.6
WNW	.4		2.1	2.1		.4						5.0	11.4
NW	.7	.7	5.7	2.8	2.5							12.4	11.0
NNW	.7	1.8	4.3	2.8	.4							9.9	9.1
VARBL													
CALM												1.1	
	9.6	26.6	39.4	19.9	7.2	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-6[illegible] YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]
6	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	TRACE	[illegible]	[illegible]
7	[illegible]	27	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	[illegible]	4	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
	[illegible]	7	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	3.2	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.5	[illegible]
S.D.	5.14[illegible]	7.041	8.836	.00[illegible]	.000	.000	.000	.000	.000	.000	.348	2.726	6.945
TOTAL OBS.	[illegible]6	90[illegible]	1025	960	1054	1020	992	1[illegible]23	1020	1025	990	930	11900

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
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	5.0	2.1	1.1								9.5	6.2
NNE	1.8	1.1	2.1									5.0	5.6
NE	1.8	.4	1.1		.4							3.5	5.8
ENE	1.1	2.1	1.4									4.6	5.1
E	1.8	.4	.4									2.5	3.4
ESE	1.1	1.1										2.1	3.3
SE	2.5	3.2	1.4	.4								7.4	5.0
SSE	1.8	4.6	2.1									8.5	5.5
S	2.5	5.3	1.1									8.9	4.7
SSW	.4	1.4	1.4	.4								3.5	6.8
SW	1.4		.4	.7								2.5	5.7
WSW	1.1	1.1	.7	.7								3.5	6.6
W	.7	1.8	.4									2.8	4.5
WNW	.7	1.8	1.8	1.1	.4	.4						6.0	9.1
NW	.4	.7	1.8	3.2	.4							6.4	11.2
NNW	4.6	3.5	3.2	1.1								12.4	5.8
VARBL													
CALM												10.6	
	24.8	33.3	21.3	8.5	1.1	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-0[illegible] YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
4[illegible]													SNO DPTH DAYS
	[illegible]												SNO DPTH DAYS
		30 27											SNO DPTH DAYS
												29	SNO DPTH DAYS
	TRACE [illegible]			29				28			TRACE 29		SNO DPTH DAYS
[illegible]3	TRACE [illegible]	27	4 3[illegible]				30			30		3[illegible]	SNO DPTH DAYS
5												3[illegible]	SNO DPTH DAYS
5												TRACE 3[illegible]	SNO DPTH DAYS
							21						SNO DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.9	3.5	.7								7.8	7.4
NNE	.7	1.8	1.1	.4								3.9	5.9
NE	.7	.4	1.4	.7								3.2	7.9
ENE	.4	1.4		.4								2.1	5.7
E	.7	.4										1.1	3.3
ESE	.7	1.1										1.8	4.2
SE	1.8	2.1	1.8									5.7	5.1
SSE	.7	1.8	1.8	.4								4.6	6.5
S	3.2	3.2	1.8	.7								8.9	5.5
SSW	1.4	2.8	3.9									8.2	6.0
SW	1.4	.4	.7	.7	.7							3.9	8.3
WSW		.4	.4	.4								1.1	10.7
W	.7	.7	1.4	.7								3.5	7.8
WNW	1.1	1.4	1.4	1.1	.7							5.7	7.9
NW	2.5	2.8	3.5	3.2	.4	.4						12.8	8.6
NNW	2.8	3.2	4.2	1.8								12.1	7.0
VARBL													
CALM												13.9	
	19.5	26.6	27.0	11.0	1.8	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND (STATION NAME) — 1946-1982 (YEARS)

JANUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	44	1961	5.3	135	1962
2	1.37	35	1979	0.7	18	1948
3	0.75	19	1982	T	T	1981*
4	0.74	19	1952	1.1	28	1980
5	0.53	13	1949	4.8	122	1980
6	2.14	54	1962	2.9	74	1970
7	0.85	22	1976	6.3	160	1977
8	0.60	15	1965	2.0	51	1973
9	0.81	21	1964	2.0	51	1968
10	1.05	27	1952	4.1	104	1962
11	0.81	21	1980	4.0	102	1955
12	0.88	22	1948	1.0	25	1979*
13	2.00	51	1948	5.4	137	1964
14	1.68	43	1958	6.9	175	1982
15	0.50	13	1954	3.9	99	1957
16	0.52	13	1965	5.2	132	1965
17	1.72	44	1978	1.7	43	1965
18	1.12	28	1980	0.4	10	1948
19	0.64	16	1961	5.0	127	1967
20	1.07	27	1979	3.7	94	1975
21	1.64	42	1949	0.3	8	1982
22	1.40	36	1954	11.2	284	1954
23	0.43	11	1969	0.6	15	1948
24	0.87	22	1979	5.5	140	1948
25	0.92	23	1958	0.8	20	1957
26	0.90	23	1966	9.0	229	1966
27	1.73	44	1976	3.0	76	1966
28	1.31	33	1952	4.3	109	1962
29	0.80	20	1966	8.0	203	1966
30	0.90	23	1966	9.0	229	1966
31	0.68	17	1949	2.1	53	1980
Monthly	2.14	54	1962	11.2	284	1954

FEBRUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.88	22	1958	4.0	102	1962
2	1.74	44	1973	5.5	140	1972
3	0.92	23	1952	4.0	102	1961
4	0.92	23	1952	3.0	76	1975
5	0.81	21	1960	0.7	18	1978
6	0.66	17	1964	5.7	145	1978
7	1.15	29	1971	6.0	152	1979
8	1.75	44	1961	4.2	107	1974
9	0.65	17	1970	3.0	76	1967
10	0.45	11	1949	2.0	51	1967
11	0.91	23	1981	7.2	183	1964
12	0.56	14	1953	4.0	102	1979
13	1.25	32	1971	5.4	137	1960
14	0.37	9	1965	3.7	94	1965
15	1.44	37	1953	0.4	10	1958
16	0.46	12	1982*	0.7	18	1962
17	1.15	29	1982	7.5	191	1967
18	1.09	28	1960	9.0	229	1979
19	1.21	31	1972	11.7	297	1979
20	1.12	28	1981	2.8	71	1969
21	2.09	53	1954	0.1	3	1960
22	0.80	20	1971	3.3	84	1948
23	1.18	30	1969	0.7	18	1972
24	3.06	78	1979	2.0	51	1966
25	1.02	26	1979	1.3	33	1950
26	0.73	19	1972	1.5	38	1952
27	1.14	29	1958	6.6	168	1982
28	0.97	25	1966	6.9	175	1964
29	0.66	17	1968	4.1	104	1968
30						
31						
Monthly	3.06	78	1979	11.7	297	1979

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.[illegible]	3.[illegible]	1.4								8.7	7.2
NNE	.9	2.1	2.3	.7	.0							6.[illegible]	6.8
NE	1.0	2.0	.[illegible]	.4	.1							4.3	6.2
ENE	.6	1.5	.8	.1								3.[illegible]	5.4
E	.9	1.1	.6	.0								2.6	4.8
ESE	.[illegible]	1.2	.[illegible]	.0								2.3	4.6
SE	1.1	2.3	2.[illegible]	.4								5.[illegible]	6.1
SSE	1.1	1.8	2.[illegible]	1.0	.1							5.9	7.1
S	1.2	2.[illegible]	1.1	.6	.0							5.0	6.3
SSW	.6	1.3	1.5	.8	.1							4.3	7.7
SW	1.1	.[illegible]	1.[illegible]	1.5	.1	.[illegible]						5.3	8.3
WSW	.6	.[illegible]	1.2	1.[illegible]	.1							3.7	8.2
W	.7	1.1	1.1	.8	.1							3.8	7.6
WNW	1.2	1.[illegible]	1.[illegible]	1.6	.6	.2						6.6	9.0
NW	1.4	2.3	3.6	3.8	.7	.1						12.1	9.3
NNW	2.0	2.7	4.5	2.4	.3		.1					11.9	8.1
VARBL													
CALM												8.4	
	16.6	27.3	28.[illegible]	16.5	2.4	.3	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION: PATUXENT RIVER, MARYLAND — STATION NAME
YEARS: 1945-1982

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1952	5.6	142	1980
2	0.90	23	1948	6.3	160	1969
3	0.94	24	1960	9.4	239	1960
4	1.05	27	1955	0.3	8	1960
5	1.39	35	1965	2.2	56	1962
6	1.24	31	1979	2.3	58	1962
7	1.19	30	1948	3.2	81	1969
8	1.08	27	1951*	7.0	178	1947
9	0.90	23	1976	2.4	61	1960
10	1.26	32	1978	3.8	97	1960
11	0.83	21	1963	0.1	3	1979
12	1.33	34	1968	T	T	1974*
13	2.66	68	1980	T	T	1980*
14	0.77	20	1956	T	T	1980*
15	0.81	21	1953	T	T	1982*
16	1.19	30	1974	5.0	127	1960*
17	1.45	37	1968	1.0	25	1950
18	0.97	25	1949	T	T	1981*
19	1.89	48	1946	0.3	8	1981
20	1.97	50	1958	7.0	178	1958
21	0.91	23	1974	2.0	51	1958
22	1.08	27	1950	T	T	1973*
23	0.62	16	1949	T	T	1967
24	1.37	35	1952			
25	1.09	28	1953			
26	2.23	57	1978	7.0	178	1971
27	0.89	23	1978	0.9	23	1947
28	0.53	13	1980	0.8	20	1947
29	1.12	28	1974			
30	1.41	36	1974	3.0	76	1964
31	0.92	23	1961			
Monthly	2.66	68	1980	9.4	239	1960

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.28	33	1981	T	T	1964
2	0.75	19	1959			
3	0.86	22	1960			
4	1.07	27	1960	T	T	1954
5	1.16	29	1981	T	T	1975*
6	1.38	35	1956	T	T	1971
7	0.64	16	1972	0.3	8	1972
8	0.98	25	1957	T	T	1972*
9	0.86	22	1980	T	T	1982*
10	1.29	33	1958			
11	0.39	10	1962	T	T	1973
12	1.26	32	1947	T	T	1973*
13	0.41	10	1972*	T	T	1966
14	1.34	34	1970			
15	0.79	20	1975			
16	1.19	30	1947			
17	1.42	36	1982			
18	0.49	12	1949			
19	0.68	17	1969			
20	0.54	14	1958			
21	0.52	13	1958			
22	1.55	39	1972			
23	1.07	27	1958			
24	1.19	30	1945	T	T	1956
25	1.93	49	1946			
26	1.44	37	1978			
27	0.98	25	1954			
28	0.92	23	1966			
29	0.78	20	1951			
30	0.84	21	1963			
31						
Monthly	1.93	49	1946	0.3	8	1972

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 01 (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	1.9	1.6		.3							5.5	5.5
NNE	1.6	1.9	.6	1.0	.3							5.5	7.2
NE		1.3	.3	.6								2.3	7.3
ENE	1.6	.6										2.3	3.1
E	1.3	1.9	1.0									4.2	4.9
ESE		1.6										1.6	4.6
SE		1.9	1.3									3.2	6.2
SSE	2.6	2.9	1.6									7.1	5.0
S	.3	2.9	3.6	2.9								9.7	8.4
SSW	.6	.6	3.2	1.6								6.1	8.5
SW	1.0	1.0	1.9	1.3								5.2	7.2
WSW	.3	1.0	1.3									2.6	6.3
W	2.3	1.3	2.3	.6								6.5	6.1
WNW	1.3	1.9	1.0	2.9	.3							7.4	8.5
NW	1.3	1.6	2.6	2.9								8.4	8.6
NNW	1.6	3.9	4.2	1.6								11.3	7.2
VARBL													
CALM												11.0	
	17.5	28.5	26.5	15.5	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

H
2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
	PATUXENT RIVER, MARYLAND	1945-1982

MAY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1976			
2	0.34	9	1974			
3	0.98	25	1954			
4	1.80	46	1978			
5	0.32	8	1958			
6	0.83	21	1958			
7	1.95	50	1967			
8	0.70	18	1971			
9	0.65	17	1978			
10	0.26	7	1981			
11	1.98	50	1961			
12	0.83	21	1974			
13	1.08	27	1971			
14	1.29	33	1972			
15	1.77	45	1950			
16	1.76	45	1971			
17	1.87	47	1945			
18	1.91	49	1946			
19	1.15	29	1957			
20	0.84	21	1953			
21	0.97	25	1966			
22	0.80	20	1949			
23	0.92	23	1951			
24	1.88	48	1979			
25	1.99	51	1958			
26	1.16	29	1948			
27	0.66	17	1957			
28	2.16	55	1968			
29	1.51	38	1976			
30	2.68	68	1971			
31	1.95	50	1972			
Monthly	2.68	68	1971			

JUNE (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.14	29	1975			
2	1.35	34	1974			
3	3.06	78	1963			
4	1.64	42	1979			
5	2.39	61	1957			
6	1.47	37	1977			
7	1.29	33	1947			
8	1.02	26	1951			
9	0.51	13	1958			
10	1.54	39	1951			
11	2.48	63	1945			
12	0.85	22	1971			
13	1.08	27	1982*			
14	2.37	60	1960			
15	1.14	29	1965			
16	0.90	23	1966			
17	1.67	42	1977			
18	0.97	25	1958			
19	1.83	46	1949			
20	1.02	26	1964			
21	1.55	39	1961			
22	2.64	67	1972			
23	0.54	14	1974			
24	2.38	60	1964			
25	0.31	8	1955			
26	1.13	29	1958			
27	1.13	29	1956			
28	0.88	22	1972			
29	1.42	36	1982			
30	1.02	26	1979			
31						
Monthly	3.06	78	1963			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

24
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	1.3	2.6	1.0								6.5	6.9
NNE	.3	1.9	1.6	.6								4.8	7.1
NE	1.0	1.9		.3								3.2	5.0
ENE	.6	2.6	1.0									4.2	5.2
E	1.0	1.6	1.0									3.5	5.2
ESE	.3	1.0	.3									1.6	5.2
SE	1.6	1.3	.3									3.2	4.5
SSE		1.0	1.0	1.3								5.2	8.3
S	1.9	1.0	1.3	1.3								5.5	6.4
SSW	.6	1.0	1.6	3.2		.3						6.8	10.0
SW	1.0	.6	1.6	.3								3.5	6.8
WSW	1.0	1.0	1.0	.3	.3							4.5	7.3
W	2.9	1.6	1.9	1.3								7.7	6.6
WNW	1.6	2.3	1.3	2.3	.3							7.7	8.3
NW	1.0	2.9	2.6	1.9								8.4	7.9
NNW	1.3	2.9	6.1	1.0								11.0	7.2
VARBL													
CALM												12.6	
	17.7	26.8	27.1	14.8	.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 1721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-80 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L S T)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	2.5	1.3								6.1	7.7
NNE		1.?	1.?	.3								3.9	7.2
NE	1.?	1.6	1.?	.3								4.?	6.0
ENE	1.?	1.3	1.?	1.?								4.?	7.0
E	.9	1.6	1.	.3								3.5	5.7
ESE	.6	1.	.?									1.9	4.7
SE	1.?	1.3	1.6	1.?								4.9	7.1
SSE	.?	1.?	1.		.3							3.9	7.2
S	1.6	1.3	2.6	1.?								6.5	7.2
SSW		.6	3.2	.6	.3							4.9	9.8
SW		2.9	3.2	1.3								7.4	8.3
WSW	.3	.6	1.3									2.3	6.1
W	1.?	2.3	1.6	1.?								5.?	7.2
WNW	1.3	2.3	1.?	2.6								8.1	8.3
NW	1.3	1.?	2.6	.6	.6	.3						6.5	9.3
NNW	2.3	3.5	6.1	1.6	.3							13.9	7.2
VARBL													
CALM												12.9	
	13.2	26.8	32.3	12.9	1.6	.?						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

FIG 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

1 — HOURS (LST)

CONDITION

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
	PATUXENT RIVER, MARYLAND	1945-1982

	NOVEMBER (MONTH)		DECEMBER (MONTH)	
	PRECIPITATION GREATEST	SNOWFALL GREATEST	PRECIPITATION GREATEST	SNOWFALL GREATEST

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS (L S T)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	2.[illegible]	[illegible].[illegible]	1.3								8.4	[illegible].[illegible]
NNE		[illegible].[illegible]	[illegible].[illegible]									[illegible].4	7.[illegible]
NE	.[illegible]	1.[illegible]	1.3	.3								2.[illegible]	7.3
ENE		.[illegible]	.[illegible]	.3								1.[illegible]	7.8
E	1.[illegible]	1.[illegible]										3.[illegible]	3.6
ESE	1.[illegible]	4.[illegible]	1.[illegible]									7.4	[illegible].6
SE	1.[illegible]	2.6	6.3	1.6		.[illegible]						12.[illegible]	8.1
SSE	1.[illegible]	1.[illegible]	8.7	4.5	.3							16.1	9.1
S	.[illegible]	.[illegible]	.[illegible]		.3							1.[illegible]	8.2
SSW		.[illegible]	1.[illegible]	1.6								3.[illegible]	1[illegible].6
SW	.[illegible]		1.[illegible]	1.[illegible]								2.[illegible]	[illegible].9
WSW		.3	2.[illegible]	1.[illegible]		.[illegible]						4.[illegible]	1[illegible].8
W	.[illegible]	.[illegible]	1.[illegible]	2.6	.3							4.[illegible]	1[illegible].9
WNW		.[illegible]	1.[illegible]	2.6	.6							5.[illegible]	12.2
NW	1.[illegible]	1.3	3.[illegible]	4.5	.3							10.[illegible]	10.5
NNW	1.[illegible]	.[illegible]	1.[illegible]	2.[illegible]	.3							5.[illegible]	10.4
VARBL													
CALM												1.[illegible]	
	[illegible].[illegible]	21.6	40.6	24.[illegible]	[illegible].3	.[illegible]						1[illegible].[illegible]	[illegible].6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NOCD, Federal Building
Asheville, N. C.

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 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

C

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

CLASS: ALL WEATHER — HOURS (L S T): 10

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	[illegible]	2.[illegible]	.[illegible]	.3							[illegible]	6.6
NNE	1.[illegible]	.[illegible]	1.[illegible]		.3							4.[illegible]	6.[illegible]
NE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	5.0
ENE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	6.0
E	1.[illegible]	1.[illegible]	1.[illegible]									4.[illegible]	5.7
ESE	.[illegible]	1.[illegible]	.[illegible]									2.3	5.1
SE	.[illegible]	[illegible].9	1.[illegible]	.3								6.[illegible]	6.0
SSE	[illegible].[illegible]	[illegible].1	4.[illegible]	2.3								13.1	6.1
S	1.[illegible]	2.9	3.[illegible]	1.[illegible]								9.[illegible]	6.4
SSW	1.[illegible]	1.[illegible]	1.[illegible]	.3								3.[illegible]	5.9
SW	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]								3.[illegible]	7.7
WSW	.[illegible]	2.3	.[illegible]	1.[illegible]								[illegible].[illegible]	7.1
W		.[illegible]		1.[illegible]		.[illegible]						[illegible].3	12.0
WNW	.[illegible]	1.[illegible]	.[illegible]	1.9	.6							5.[illegible]	9.9
NW	1.[illegible]	.[illegible]	[illegible].[illegible]	2.6	.6							7.4	10.4
NNW	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.6	.3							[illegible].4	7.3
VARBL													
CALM												10.[illegible]	
	1[illegible].[illegible]	33.2	2[illegible].[illegible]	1[illegible].[illegible]	[illegible].3	.[illegible]						1[illegible].[illegible]	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

72 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
45-55 — YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				47 NW	46 NW	46 N	42 NW	45 W	35 L	48 NW	42 NW	43 S	38
4	37 N	49 W	43 NW	43 NW	36 N	5		NW	41 NW	37 NW	49 NW	36 NW	55
47	46 WNW	47 W	57 SW	34 W	SW 45	NE 48	N	31 ESE	24 NW	35 NE	33 NW	42 NW	37 W 57
	36 NW	43 NW	37		NW 47	NNE 39	SW	44 NW	32 NW	33 NNE	49 NW	40 NW	50
	NW 48	WNW 48	WNW 47	ESE 40	NW 48	ESE 40	SW 68	ESE 65	NW 34	NNE 35	NW 43	NW 43	SW 68
	NW 46	NW 49	WNW 46	NW 41	NW 63	NW 41	NW 32	NW 47	NW 36	NW 42	NW 49	NW 42	NW 6
	W 44	NW 49	NW 44	N 38	NW 39	W 43	NW 54	NW 53	NW 30	NW 48			
	SW 50	NW 48	NW 46	N 42	SW 35	SW 50	NW 34	W 44	S 58	NW 46	SE 45	NW 57	S 58
	44	NW 36	NW 38	WNW 42	WNW 44	NW 55	N 35	N 48	WNW 46	NW 39	NW 50	NW 43	NW 55
4	48	N 51	S 48	NW 46	N 46	NW 70	NW 71	WNW 61	NW 46	SE 110	NW 46	N 48	ESE 1
5	53	NW 54	SSW 62	NW 63	W 44	ESE 54	SW 42	ESE 69	N 51	NW 56	NW 47	NNW 46	ESE 60
5	NW 55	SW 61	NNW 52	NW 54	NW 52	NNW 47	NW 60	NW 62	NE 55	N 48	NW 51	NW 49	NW 62
5	W 62	WNW 38	NW 46	NW 60	NW 38	SSW 60	NW 33	SW 56	WNW 38	ESE 69	NW 48	SSE 53	SSE 60
5	ESE 48	NNW 49	N 57	NNW 41	WNW 42	NW 60	W 40	SW 46	W 41	NW 39	NNW 55		
	NW 47	NW 43	WNW 47	NE 37	NW 31	WNW 43	NW 42	NNE 31	SE 31	S 30	NW 42	NW 38	NW 47
	NW 42	E 61	WNW 48	NW 38	WNW 37	SW 48	WSW 47	NW 43	NNW 45	N 35	SW 31	NNW 43	E 61
	NW 44	WSW 47	NW 40	43	WNW 33	WSW 48	W 34	SSW 29	N 29	NNE 30	NW 34	SSW 29	WSW 43
	NW 32	N 27	N 35	W 34	SSW 32	SW 30	NW 35	SW 24	SE 23	W 26	ESE 36	NW 39	NW 39
3	NW 39	NW 31	W 34	SW 41	NW 28	NNE 32	W 27	NW 31	S 31	NW 27	NW 35	NW 3	SW 41
4	W 34	W 41	SW 45	WSW 35	WNW 26	W 51	E 41	W 34	NNE 33	NW 31	SE 33	NW 34	W 5
5	NW 42	NW 43	SW 36	NW 38	SSW 43	W 38	NNW 32	NW 49	NW 26	SE 43	W 40	NW 30	NW 49
6	W 42	SE 32	W 37	WSW 30	W 33	WNW 28	W 35	SW 34	ESE 29	NW 28	S 32	NW 33	W 41
67	W 33	SSW 37	NW 46	NW 44	WSW 44	SW 25	NW 32	SW 36	W 35	SW 42	NW 40	SSW 40	NW 46
6	NW 35	NW 36	NW 43	NW 36	WNW 36	S 38	NNW 27	E 47	S 29	NW 29	NNE 39	W 40	E 47
6	W 31	NW 42	NW 35	N 34	SSW 37	WSW 40	NNW 32	SSW 39	S 25	WNW 29	NNW 42	NW 38	NW 42
	W 42	NW 37	N 26	W 44	NW 28	SW 30		NW 29	W 40	NW 28	NW 33	NW 38	
	432	4231	4034	3625	7732	4915	3401	2903	2815	2830	3424	44	25 77
	3421	4227	3922	2832	2534	3729	2629	2921	2832	3014	4229	31	21 42
3	2633	3624	4229	3233	2822	2331	2305	2316	3016	3021	3602	36	24 42
4	2326	3626	4325	3632	3332	2929	3615	2733	3433	2727	3210	49	10 49
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

7221	PATUXENT RIVER, MARYLAND	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.3	2.7	.9	.1							7.3	6.9
NNE	.9	2.3	2.3	.5	.1							6.0	6.8
NE	.6	1.5	.7	.2								3.1	5.9
ENE	.9	1.3	.7	.4								3.1	6.0
E	.9	1.8	1.0	.1								3.9	5.3
ESE	.8	1.9	1.0	.0								3.4	5.7
SE	.9	2.5	2.6	.6		.0						6.9	6.9
SSE	1.0	2.9	3.0	1.5	.1							8.7	7.3
S	1.2	1.8	2.3	1.3	.1							6.7	7.5
SSW	.5	.7	1.9	1.5	.1	.0						4.9	9.0
SW	.4	.8	1.9	1.3	.1							4.6	9.1
WSW	.5	.8	1.4	.7	.1	.1						3.7	8.3
W	1.0	1.3	1.2	1.2	.2	.1						4.9	8.2
WNW	.9	1.5	1.9	2.7	.4							7.6	9.5
NW	.8	1.4	2.5	3.1	.8	.1						8.7	10.5
NNW	1.7	2.3	3.4	2.2	.2							9.4	6.2
VARBL													
CALM												7.3	
	13.5	27.4	30.6	18.4	3.5	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

DAILY PEAK GUSTS IN KNOTS **(MPH 1949-1955)**

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	[illegible] 41	22 37	31 37	29 47	3[illegible] 3[illegible]	24 40	01 31	25 33	29 3[illegible]	38 2[illegible]	30 29	19 31	29 47
6	32 32	22[illegible] 41	31 37	30 27	3[illegible] 29	16 23	36 39	32 18	33 16	35 25	31 28	3 38	29 [illegible]
7	36 41	31 35	29 40	32 39	35 42	23 40	29 53	24 54	8 41	27 36	29 39	3 38	24 54
7	23 6	2[illegible] 39	23 37	4 43	.5 28	31 52	30 38	18 32	02 26	32 28	30 [illegible]8	29 43	23 6
7	[illegible] 37	36 43	32 3	30 35	16 32	22 28	21 31	04 33	16 5[illegible]	27 32	24 48	34 36	16 53
[illegible]0	[illegible]1 2	33 34	31 47	31 32	23 3	33 40	[illegible]9 65	32 54	33 27	32 36	34 35	36 38	2[illegible] 65
	34 31	21 37	27 38	28 47	31 31	31 47	44 3	42 31	32 25	27 26	29 31	32 35	28 47
	32 4	22 29	33 [illegible]7	[illegible]1 51	26 29	11 27	27 32	36 30	10 31	06 37	33 31	[illegible]3 27	31 51
MEAN	[illegible]1.0	41.7	42.1	40.4	37.[illegible]	41.7	39.3	3[illegible].3	35.2	37.8	39.1	3[illegible].8	54.8
S.D.	[illegible].75	7.881	7.684	7.901	10.418	11.089	11.671	12.997	9.942	15.411	7.1[illegible]2	7.112	14.135
TOTAL OBS.	1142	1140	1173	1135	1175	1136	1112	1169	1136	1173	1099	1111	13571

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-92	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
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	1.7	1.7	.7	.3							5.3	7.6
NNE	.7	1.0	1.3									3.0	5.7
NE		.3	.7				.3					1.3	12.0
ENE		.3	.7									1.0	7.3
E	.7	2.0	1.7	.3								4.7	5.6
ESE	.3	1.0	.3									1.7	5.6
SE	1.7	1.7	.7	.3								3.7	5.7
SSE	2.3	3.0	2.7	.7								8.3	6.0
S	2.0	3.0	2.7	1.7								9.3	7.1
SSW	.7	1.3	3.0	1.3								6.0	8.4
SW	1.7	1.7	3.0	1.7								7.7	8.0
WSW	1.0	1.0	2.3	.7								5.0	7.3
W	1.0	2.7	1.7	1.3								6.7	6.8
WNW	3.0	4.0	1.7	.3	.3	.3						9.7	6.2
NW	1.3	1.3	4.7	2.0	.3	.3						9.3	9.3
NNW	1.0	2.3	2.3	.7								6.3	6.9
VARBL													
CALM												11.0	
	16.7	28.3	30.7	11.7	1.0	.7	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
72	PATUXENT RIVER, MARYLAND	45-58

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1958)
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4							W 39 26						WINDS DAYS
[illegible]				NW 43 25									WINDS DAYS
											SSE 42 25	NW 41 25	WINDS DAYS
[illegible]												NNE 37 26	WINDS DAYS
							NE 38 21						WINDS DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
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	2.7	.7								5.7	7.0
NNE	1.0	1.3	.3	.3								3.0	5.9
NE	.7	1.7	.3									2.3	5.1
ENE	1.0	1.0	.7									2.7	4.9
E	.7	1.3	1.3									3.3	5.9
ESE	.7	1.0	.3									2.0	4.8
SE	1.7	.3	.3	.3								2.3	4.4
SSE	1.3	.7	1.0	.7								3.7	6.3
S	1.0	1.0	.7	1.0								3.7	5.4
SSW	1.0	1.0	2.7	1.3								6.0	7.6
SW		2.0	3.3	3.3								9.7	9.0
WSW	1.3	.3	2.0	.7								4.3	7.3
W	1.3	4.3	2.3	.7								8.7	6.1
WNW	2.7	4.0	1.0	.7	.3	.3						9.0	6.8
NW	3.0	2.7	3.0	3.0								11.7	7.1
NNW	1.0	3.0	3.0	.7		.3						8.0	7.1
VARBL													
CALM												14.0	
	17.7	29.0	25.0	13.3	.3	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
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	1.9	2.3	2.3	.6								7.1	5.9
NNE		1.0	1.6	.6								3.2	7.4
NE	.6	.6	.3	.6								2.3	7.0
ENE	1.3	.3	.3	.3								1.9	5.7
E	.3	1.9	.6									2.9	5.2
ESE		1.0	.6									1.6	6.2
SE	.6	.3	.6									1.6	5.6
SSE	.6	2.3	1.0	1.0	.3							5.3	7.9
S	1.9	1.9	1.6	.3								5.9	5.6
SSW	.3	.3	1.6	1.0								3.3	9.0
SW	1.0	1.0	1.0	.6								3.6	7.3
WSW	.6	1.3	2.6	.6	.3	.3						5.5	9.0
W	2.6	4.2	1.9	1.3								9.7	6.0
WNW	1.6	1.6	2.6	3.2	.6							9.7	9.4
NW	1.0	4.9	2.9	1.9								10.7	7.3
NNW	2.9	3.9	5.2	1.6								13.6	6.9
VARBL													
CALM												12.3	
	17.2	28.5	26.9	13.6	1.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	2.7	.3		.3						6.0	8.1
NNE	.7	1.3	.7	.3								2.7	7.0
NE	1.0	2.3	.7									4.0	4.8
ENE	.7	.7	.3	1.0								2.7	7.6
E	.7	2.0	1.3	.7								4.7	6.6
ESE	1.3	.3	1.0									2.7	4.6
SE	.7	.3	.3									1.3	4.5
SSE		1.3	2.0	.3								3.7	7.5
S	.7	1.0	1.3	.7		.3						3.7	9.1
SSW	.7	1.7	1.3	2.7								6.3	8.8
SW	.3	2.0	2.7	3.0	.7							8.7	9.9
WSW	.3	.7	1.3	1.3								3.7	8.9
W	.7	2.3	3.3	.3								6.7	7.1
WNW	3.3	3.7	3.3	2.3		.7						13.0	6.8
NW	1.7	3.3	4.0	2.3								11.3	7.7
NNW	1.7	3.0	3.0	1.3	.3							9.0	7.5
VARBL													
CALM												10.0	
	13.7	29.3	29.3	16.7	1.0	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	3.2	1.9								7.8	6.0
NNE	1.6	1.3	1.0	.3								4.2	5.8
NE		.6	.6	.3								1.6	7.4
ENE	.6	1.0	.3									1.9	4.3
E		1.3	.6									1.9	6.0
ESE		1.3										1.3	4.8
SE	1.0	.3	.6									1.9	4.8
SSE	1.6	1.6	.3	.3								3.9	4.4
S	.6	3.2	1.6	.3								5.6	6.3
SSW	.6	.6	1.0	.3		.3						2.9	8.3
SW		.6	1.6	1.0								3.2	8.9
WSW	.3	.6	1.3	1.3		.3						3.9	9.8
W	1.3	1.3	2.3	1.9								7.4	7.7
WNW	1.9	1.3	1.6	4.2	.3	.3						9.7	9.5
NW	2.3	3.2	3.6	1.6	.3							11.0	7.1
NNW	1.3	7.4	4.5	1.3	.3							14.9	6.6
VARBL													
CALM												16.5	
	14.2	29.2	24.3	14.9	1.0	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 309

SMO8

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2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1?
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	5.0	3.7	1.0		.3						10.3	7.4
NNE	1.0	1.7	1.3	.3								4.3	6.3
NE		1.7	2.3	.7								4.7	7.4
ENE	.7	1.3	1.	.3								3.3	6.4
E	.7	1.0	1.0	.3								3.0	6.7
ESE		3.3	1.3									4.7	5.7
SE	.7	2.3	3.3	.7								7.0	7.2
SSE	.3	1.7	1.7	1.3								5.0	8.0
S	.3	1.3	1.7	1.7								4.3	8.5
SSW	.3	.3	1.7	3.7								6.0	11.0
SW	1.0	.7	.7	3.7		.7						6.7	11.5
WSW	.7	.3	3.7	1.0								5.7	8.9
W		1.3	2.3	2.3			.3					6.3	11.2
WNW	.3	2.0	3.0	2.7	.3	.3						9.0	9.8
NW		1.7	5.7	5.7								13.0	10.4
NNW	.7	1.0	2.0	2.3								6.0	9.2
VARBL													
CALM												.7	
	7.0	27.0	35.7	27.7	.3	1.3	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 07 (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	2.6	2.9	.6								7.7	6.3
NNE	1.0	2.9	.3									4.2	5.0
NE	.6	2.3	.3	.3								3.5	5.9
ENE	1.4	1.3	.3									3.2	4.2
E	.6	2.6										3.2	4.8
ESE		1.0	.3	.3								1.6	6.8
SE	1.3	1.0	1.3									2.9	4.9
SSE	1.3	1.0	.6									2.9	4.3
S	1.0	1.9	1.0	.3								4.2	5.7
SSW	1.6	1.0	1.0	2.3								5.3	8.0
SW	1.3	2.6	.6	.3	.3		.3					5.5	7.3
WSW	1.6	1.0	1.3	1.0								4.5	6.5
W	3.2	2.6	.6	1.3	.3							8.1	6.1
WNW	1.6	1.6	2.3	2.3	1.3							9.3	9.6
NW	2.3	3.2	1.6	1.6								8.7	6.7
NNW	2.9	3.9	5.8	1.9								14.5	7.0
VARBL													
CALM												10.3	
	27.2	32.3	19.7	12.3	1.9		.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1773 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.7	.3							5.7	7.4
NNE	.7	1.0	2.0	.7								4.3	7.5
NE	1.7	3.0	3.0	1.0								8.4	6.7
ENE	.7	1.0	2.7		.3							4.7	7.0
E	1.0	.7	.7	.3								2.7	6.6
ESE	.7	2.3	2.7	.3								6.0	6.6
SE	.7	3.7	8.7	4.0	.3							17.4	8.6
SSE		1.3	1.3	4.7								7.4	10.7
S			.7	2.0								2.7	12.0
SSW	.7		.3	3.0								3.7	11.5
SW			1.0	1.0	1.0							3.0	13.9
WSW			1.3	2.0	.3	.3						4.0	13.4
W		.3	2.3	4.3	.7							8.0	12.0
WNW			1.0	2.7	.7		.3					4.7	13.6
NW	.3	.7	3.3	4.3	1.3							10.0	11.5
NNW	.7	1.3	3.3	1.3	.3							6.7	8.9
VARBL													
CALM												.7	
	7.0	17.7	36.1	32.4	5.4	.3	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	3.3	.7								6.7	7.4
NNE	.7	2.7	2.7	.7								6.7	7.0
NE	.7	1.7										1.3	3.8
ENE	.7	.7	.3	.3	.3							2.3	8.0
E	.7	1.7	.3		.3							3.0	5.7
ESE	1.0	1.3	2.0	.3		.7						5.0	7.3
SE	1.0	4.7	6.7	4.0								16.3	7.9
SSE	.3	2.3	6.7	7.0								16.3	10.0
S		.7	2.0	1.0	.7							4.3	10.7
SSW		.3	.7	1.0	.3							2.3	11.1
SW		.7	.7	2.0	.7							4.7	12.7
WSW			1.7	1.7	.3	.3						4.0	12.8
W		.3	1.7	2.0	.3		.3					4.7	13.5
WNW		.7	2.0	1.7		.7						5.0	11.6
NW	.7	.7	3.3	6.7	.3	.3						12.0	11.3
NNW	.3		1.0	1.7	.7	.3						4.0	12.7
VARBL													
CALM												1.3	
	6.3	19.3	35.0	31.7	4.0	2.0	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER 13

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13722	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

22 — 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	1.7	2.0	2.0	.3								6.0	5.8
NNE	.7	1.0	.3									2.0	4.2
NE	.7	1.3		.3								2.3	5.7
ENE	.3	1.0	.7									2.0	5.7
E	.3	1.0	1.0	.3								2.7	6.9
ESE	.7	1.3	.3									2.3	4.3
SE	1.0	3.0	1.3									5.3	5.6
SSE	.7	3.3	4.7	1.3	.3							10.3	7.5
S	3.0	4.7	4.7	1.0								13.3	6.2
SSW	2.0	1.3	3.0	1.7								8.0	7.4
SW	2.0	2.0	1.0	1.7								6.7	6.8
WSW	1.0	1.3	.7	.7								3.3	6.6
W	.7	1.3	2.0	1.0								4.7	8.4
WNW	1.7	1.0	2.0	2.3	.3	.7						7.7	9.8
NW	.7	1.0	2.3	1.3		.7						5.7	9.6
NNW	.7	.7	3.7	1.0	.7							6.7	9.0
VARBL													
CALM												11.0	
	17.3	27.3	29.3	13.0	1.3	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1172 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 16 (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	2.3	3.6	1.0								8.7	6.3
NNE	1.4	2.6	1.0	.3								5.5	5.2
NE	1.	2.	1.0									4.	4.7
ENE	.4	1.9	.6									3.2	5.2
E	1.9	1.3										3.	2.9
ESE	.6	1.3										1.9	4.0
SE	1.7	1.6	3.9	.3								7.1	6.9
SSE	1.0	2.3	3.2	.6								7.1	6.6
S	.7	.6	1.3	1.3								3.6	6.1
SSW	.7	1.0	.6	1.6								3.6	6.3
SW	.7	1.	1.3	1.6								4.	8.9
WSW	1.	1.	1.6	2.3								5.	8.6
W	.7	2.3	2.3	1.3	.6	.3						7.1	9.7
WNW		.6	4.2	1.9	1.0							7.8	10.9
NW		3.9	4.2	3.6	1.0							12.6	9.9
NNW	.3	3.6	3.6	3.2								10.7	8.6
VARBL													
CALM												2.9	
	12.6	30.1	32.4	19.1	2.6	.3						100.	7.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

FORM 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17[illegible]	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.[illegible]	2.3	2.4	.6	.1	.1						6.[illegible]	7.2
NNE	.[illegible]	1.[illegible]	1.2	.4								3.[illegible]	6.5
NE	.[illegible]	1.[illegible]	.[illegible]	.3			.0					3.3	[illegible].2
ENE	.[illegible]	.[illegible]	.[illegible]	.3	.1							2.[illegible]	6.8
E	.7	1.[illegible]	1.[illegible]	.[illegible]	.0							3.[illegible]	6.2
ESE	.7	1.4	1.1	.1		.[illegible]						3.[illegible]	5.9
SE	1.[illegible]	2.3	2.[illegible]	1.2	.0							7.4	7.3
SSE	.[illegible]	2.[illegible]	3.[illegible]	2.3	.[illegible]							[illegible].[illegible]	8.0
S	1.1	2.3	2.3	1.3	.1	.[illegible]						7.[illegible]	7.4
SSW	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.1							[illegible].[illegible]	[illegible].[illegible]
SW	.6	1.3	1.6	2.[illegible]	.3	.1						6.[illegible]	9.[illegible]
WSW	.[illegible]	.6	1.7	1.1	.1	.1						4.1	[illegible].3
W	.[illegible]	1.7	2.3	1.5	.1		.1					6.[illegible]	[illegible].[illegible]
WNW	1.[illegible]	2.[illegible]	1.[illegible]	1.[illegible]	.3	.[illegible]	.[illegible]					7.[illegible]	[illegible].7
NW	1.0	1.5	3.6	3.5	.3	.1	.0					10.1	[illegible].6
NNW	.[illegible]	1.7	2.[illegible]	1.3	.3	.1						5.7	[illegible].3
VARBL													
CALM												6.[illegible]	
	12.[illegible]	25.7	31.3	20.1	1.[illegible]	.[illegible]	.3					1[illegible].[illegible]	7.5

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 01 (HOURS LST)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	1.6	1.[illegible]	.3								4.8	5.1
NNE	1.[illegible]	.3	1.3	.3								3.2	5.9
NE	.6	1.6	.6									2.7	5.1
ENE	1.3	1.[illegible]	.6	.3								2.9	5.7
E	1.3	2.6	1.6									5.2	5.6
ESE	.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	[illegible].4
SE	1.0	1.3	1.3									4.2	5.6
SSE	2.[illegible]	1.3	1.6	.6								6.1	[illegible].6
S	6.[illegible]	5.2	3.[illegible]	.6								14.[illegible]	5.3
SSW	.[illegible]	2.3	1.[illegible]	1.[illegible]	.3							7.1	6.5
SW	1.[illegible]	1.6	3.[illegible]	1.3								9.1	7.3
WSW	1.[illegible]	1.9	1.6	.3								5.[illegible]	[illegible].9
W	1.[illegible]	2.[illegible]	.6	.[illegible]								5.[illegible]	[illegible].2
WNW	1.[illegible]	2.3	1.[illegible]	.6								[illegible].2	5.7
NW	2.3	1.6	1.[illegible]									5.[illegible]	5.0
NNW	1.[illegible]	1.[illegible]	1.[illegible]	.6								5.[illegible]	[illegible].6
VARBL													
CALM												10.4	
	2[illegible].[illegible]	31.1	24.[illegible]	[illegible].1	.3							1[illegible]0.[illegible]	5.3

TOTAL NUMBER OF OBSERVATIONS 3[illegible]4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
17721	PATUXENT RIVER, MARYLAND	73-92	JAN

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 19

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	4.2	1.3	.6								7.1	6.3
NNE	1.3	1.3	1.0	.3								3.9	5.7
NE	2.3	1.0	1.0									4.2	4.4
ENE		.3	.6									1.0	7.3
E	1.0	.3	.6									1.9	4.3
ESE	.3	.3	1.0									1.6	5.6
SE	.8	1.6	.6	.3								3.2	5.7
SSE	.6	2.9	.3	.6	.3							4.3	6.7
S	3.9	3.5		.6								8.1	4.0
SSW	.6	.3	1.6	.6								3.2	3.1
SW	.6	1.3	1.6		.6							4.2	6.3
WSW	.6	1.3	2.9	1.0	1.0							6.8	9.2
W	2.3	2.9	1.0	.6	.6							7.4	6.7
WNW	1.3	1.6	1.0	1.9	.6							6.5	8.9
NW	1.3	2.6	1.3	1.9	.6	.3						8.1	9.1
NNW	1.3	3.5	3.2	1.9	.6							10.5	8.4
VARBL													
CALM												17.4	
	18.7	29.0	19.4	10.6	4.5	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21	PAT[illegible]XENT RIVER, MARYLAND	73-82	JA[illegible]
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

22
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]	1.3								9.4	6.[illegible]
NNE	[illegible]	1.6	[illegible]									2.3	5.6
NE	[illegible]	1.6	1.[illegible]									2.[illegible]	5.3
ENE	[illegible]	1.[illegible]										1.6	4.4
E	1.0	.6	1.[illegible]	.3								2.[illegible]	6.[illegible]
ESE	[illegible]	[illegible]	.6									1.[illegible]	5.6
SE	1.[illegible]	1.3	1.6									4.[illegible]	4.[illegible]
SSE	1.[illegible]	2.3	.6	[illegible]								5.[illegible]	4.8
S	2.3	[illegible]	[illegible]	.6								7.1	4.7
SSW	[illegible]	1.[illegible]	[illegible]	.3								2.3	5.9
SW	1.[illegible]	1.[illegible]	2.[illegible]	1.3								5.[illegible]	8.1
WSW	1.[illegible]	1.6	2.[illegible]	2.3	.6							8.1	9.2
W	1.[illegible]	1.[illegible]	.6	1.[illegible]	.3							5.2	7.5
WNW	.6	1.6	1.[illegible]	1.9	1.3	[illegible]						7.7	10.6
NW	1.0	1.6	1.[illegible]	2.3	.6							7.4	8.9
NNW	2.[illegible]	3.[illegible]	3.[illegible]	3.5	.3	[illegible]						14.5	7.8
VARBL													
CALM												12.[illegible]	
	20.3	27.4	20.[illegible]	15.5	[illegible].2	[illegible]						100.[illegible]	6.3

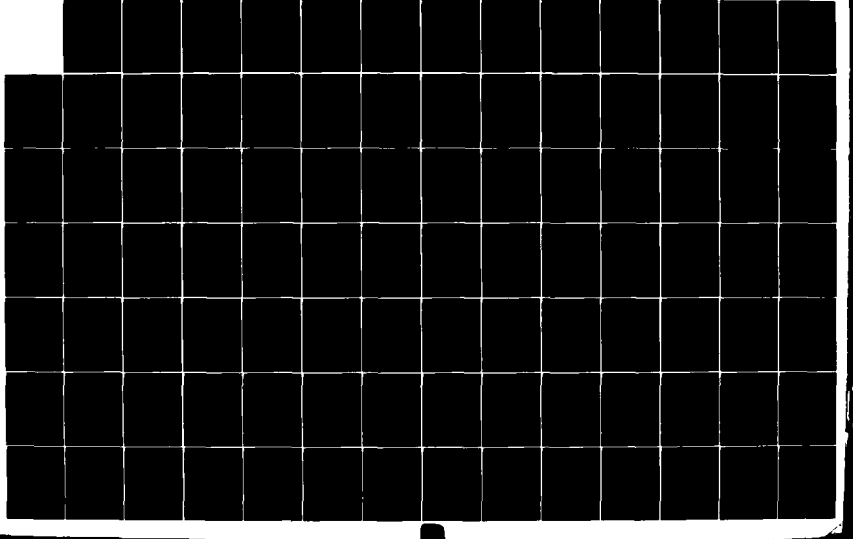
TOTAL NUMBER OF OBSERVATIONS 310

SMOS

AD-A150 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC NOV 83

24

UNCLASSIFIED F/G 4/2 NL



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	JAN

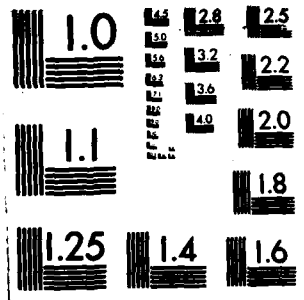
CLASS: ALL WEATHER — HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	2.[illegible]	2.[illegible]	1.1	.[illegible]							[illegible].3	[illegible].7
NNE	.[illegible]	2.[illegible]	1.[illegible]	.2								4.5	[illegible].6
NE	.[illegible]	1.[illegible]	.[illegible]	.2								3.[illegible]	5.4
ENE	.[illegible]	1.3	.4	.[illegible]								2.[illegible]	4.[illegible]
E	.[illegible]	1.[illegible]	.[illegible]	.1								3.[illegible]	4.9
ESE	.[illegible]	1.1	.4	.[illegible]								1.[illegible]	[illegible].[illegible]
SE	.9	1.[illegible]	1.4	.1								3.[illegible]	5.7
SSE	1.[illegible]	1.9	1.2	.5	.1							4.[illegible]	6.2
S	1.[illegible]	2.1	1.1	.7	.1							5.[illegible]	6.3
SSW	.6	.7	1.3	1.1		.[illegible]						3.7	[illegible].3
SW	.7	1.1	1.4	1.0	.2		.[illegible]					4.4	[illegible].4
WSW	.7	1.2	1.7	1.5	.4	.2						5.[illegible]	9.5
W	1.[illegible]	2.1	1.[illegible]	1.5	.4	.[illegible]						7.[illegible]	7.9
WNW	1.[illegible]	1.4	2.5	2.4	.9	.1						[illegible].[illegible]	10.0
NW	1.2	3.[illegible]	2.[illegible]	3.1	.7	.1						10.[illegible]	9.1
NNW	1.7	4.1	4.7	2.[illegible]	.3	.[illegible]						12.9	7.6
VARBL													
CALM												9.7	
	15.[illegible]	29.8	25.[illegible]	15.5	[illegible].1	.[illegible]	.[illegible]					[illegible]0.[illegible]	6.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS



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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PATUXENT RIVER, MARYLAND 73-82 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 21
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible].1	[illegible].3	2.[illegible]	1.1								[illegible].5	[illegible].2
NNE	1.1	1.[illegible]	1.1	1.8								5.[illegible]	[illegible].4
NE	.7	1.1	.7		.4							[illegible].[illegible]	[illegible].9
ENE	.4	2.1	.4									[illegible].[illegible]	[illegible].[illegible]
E	.4	.4	1.1									1.[illegible]	[illegible].3
ESE	.7	.7	.4									1.[illegible]	4.4
SE	1.4	1.4	1.1									3.[illegible]	4.[illegible]
SSE	[illegible].1	1.4	.7	.4	.4							[illegible].[illegible]	[illegible].7
S	1.4	1.1	2.1	.4	.4							[illegible].[illegible]	[illegible].2
SSW	1.4	1.[illegible]	1.1	1.1								[illegible].[illegible]	[illegible].[illegible]
SW	.7	1.4	2.[illegible]	1.4								[illegible].[illegible]	[illegible].2
WSW	1.4	.7	.7	.4								3.[illegible]	[illegible].[illegible]
W	.7	.7	.7	.4	.4							2.[illegible]	[illegible].9
WNW	[illegible].1	[illegible].[illegible]	1.1	2.1	.7	.4						[illegible].[illegible]	[illegible].[illegible]
NW	[illegible].1	2.[illegible]	2.[illegible]	2.[illegible]	.4							10.[illegible]	[illegible].7
NNW	1.[illegible]	[illegible].[illegible]	4.[illegible]	2.[illegible]	.4							13.1	[illegible].2
VARBL													
CALM												12.1	
	20.[illegible]	27.3	23.[illegible]	13.[illegible]	2.8	.4						1 0.[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS [illegible]2

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 07 (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	1.9	3.9	1.0	.3								7.1	5.1
NNE	.6	3.2	1.3	.3								5.5	6.2
NE	.6	1.3	1.6	.6								4.2	6.7
ENE	.6	1.6	.6									2.9	4.7
E	.6	1.6	2.3									4.5	6.5
ESE	.3	1.0	.6									1.9	5.5
SE	1.0	.6	1.0	.3								3.9	5.3
SSE	1.3	1.3	1.3	.3	.3							4.5	6.5
S	2.6	1.9	1.6	.6								6.5	5.5
SSW	.7	1.6	2.9	1.3								6.1	8.7
SW	.3	1.6	3.9	1.6								7.4	8.3
WSW	.3	1.0	2.9	.3								4.5	6.9
W	1.9	3.9	1.6	.3								7.7	5.3
WNW	1.9	4.5	1.6	.3								8.4	5.1
NW	2.3	2.6	2.6	1.0								8.4	6.3
NNW	1.5	5.5	1.6	.6								9.4	5.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	6.5	
	19.4	37.1	28.4	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PAT[illegible]ENT RIVER, MARYLAND	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

04 — 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	1.4	3.2	1.8								7.8	7.7
NNE	.4	1.4	3.2	.4								5.[illegible]	8.3
NE	.7	1.4	.7									2.[illegible]	5.6
ENE		.7	.4									1.1	6.3
E	1.1	1.1	1.1									3.2	5.1
ESE	.4	1.1										1.4	4.3
SE	.4	1.[illegible]	.4									2.5	5.1
SSE	1.[illegible]	1.1	1.1	.4	.4							4.[illegible]	6.2
S	1.1	2.[illegible]		.7								4.[illegible]	[illegible].4
SSW	.7	.7	2.1	1.4								5.[illegible]	8.4
SW	.7	1.[illegible]	1.1	.7		.4						4.6	7.7
WSW	.4	.7	1.1	1.4								3.5	8.7
W	1.[illegible]	2.5	.7	.7								5.7	9.5
WNW	1.[illegible]	1.4	1.	1.4	1.1							7.4	8.9
NW	3.[illegible]	4.6	2.[illegible]	2.8								13.[illegible]	6.6
NNW	3.2	2.[illegible]	6.[illegible]	2.1								14.2	7.2
VARBL													
CALM												12.[illegible]	
	1[illegible].5	27.0	2[illegible].2	13.8	1.4	.4						100.[illegible]	6.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
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	4.2	5.2	.3								11.3	6.5
NNE	1.9	4.2	3.5	.3								10.0	5.7
NE	.6	1.6	1.0									3.2	5.1
ENE	.6	1.9	.3									2.9	4.3
E	1.3	3.2	1.3									5.8	5.1
ESE	1.0	2.9	1.6	.6								6.1	6.2
SE	.3	4.5	5.5	.3								10.6	7.0
SSE	.3	1.9	2.3	1.3								5.8	7.9
S	.3	.6	1.6	.6								3.2	7.5
SSW	.3	.3	3.9	1.0								5.5	8.8
SW	.6	.3	1.9	1.9								4.8	9.0
WSW		1.6	1.6	1.0								4.2	7.8
W	.6	1.6	1.9	1.6								5.8	8.1
WNW	.6	2.6	2.3	.6								6.1	7.1
NW	.6	1.0	3.2	2.9	.3							8.1	9.4
NNW	.6	2.3	1.0	.3								4.2	5.9
VARBL													
CALM												2.3	
	11.6	34.8	38.1	12.9	.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 13 (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	6.1	2.9	.3								11.0	5.5
NNE	.6	4.2	2.3	.6								7.7	6.3
NE	1.0	2.9	1.0									4.8	5.2
ENE	.3	.6	1.0									1.9	6.2
E	.3	1.6	1.3		.3							3.5	7.1
ESE	1.3	3.5	3.2	.6								8.7	6.6
SE	.3	5.5	7.7	3.9	.3							17.7	8.7
SSE		2.9	5.5	2.9	.3							11.6	9.0
S		.6	1.3	1.3								3.2	9.5
SSW			1.3	1.0	.3							2.6	11.6
SW		1.0	1.9	1.0								3.9	9.1
WSW		.6	1.9	1.6								4.2	10.5
W	1.0	.3	1.0	.6								2.9	7.1
WNW		1.0	2.6	.6								4.2	8.2
NW	.3	1.9	2.9	1.6	.3							7.1	9.3
NNW	.6	1.0	1.0	.3								2.9	6.3
VARBL													
CALM												1.9	
	7.4	33.9	38.7	16.5	1.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 16 (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	2.3	2.6									6.5	5.6
NNE	1.3	4.2	2.6	.3								8.4	5.8
NE	1.6	2.9	1.3	.3								6.1	5.2
ENE	1.0	1.6	.3									2.9	4.4
E		.6	.3	.6								1.6	8.0
ESE	1.3	2.9	3.5									7.7	6.0
SE	1.0	5.5	6.8	2.9								16.1	7.7
SSE	.6	3.5	9.0	8.7	.3							22.3	9.7
S		.3	1.3	1.6	.3							3.5	10.9
SSW		.3	2.3	1.3								3.9	9.8
SW		.3	1.0	1.0	.3							2.6	11.0
WSW			1.6		.3							1.9	10.0
W		1.3	1.3	1.0								3.5	8.9
WNW	.3	.3	.6	.3	.6							2.3	11.1
NW	.6	2.3	2.6	.6								6.5	7.0
NNW		1.0	1.0	.6	.6							3.2	10.3
VARBL													
CALM												1.0	
	9.4	29.4	38.4	19.4	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.5	2.9	1.8								8.5	7.1
NNE	.7	3.9	2.9	.7	.4							8.5	7.0
NE	.7	3.5	1.1	.7								6.0	6.1
ENE	1.4	3.2	1.4									6.0	5.0
E	.7	1.8	.7									3.2	5.4
ESE	1.1	.7	.4									2.1	4.0
SE	1.1	2.9	3.2	1.8								8.9	7.2
SSE	.4	1.4	2.5	1.8	.4							6.7	8.9
S		1.4	.7	1.4								3.5	8.9
SSW	.4	.4	1.1	.7	.7							3.2	10.3
SW		.4	1.4	2.1								3.9	10.4
WSW		.7	2.1	1.8	.4							5.0	10.7
W		.4	3.2	1.1	.4							5.0	10.3
WNW		1.4	1.4	2.1	.4	.4						5.7	10.4
NW		1.1	3.5	6.4	1.4							12.4	12.1
NNW	.4	1.1	5.0	3.9	.7							11.0	10.3
VARBL													
CALM												.4	
	9.2	26.6	33.7	26.2	4.6	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	.3									2.6	4.8
NNE	.6	.3	.6	.3								1.9	6.2
NE	.6	1.0	1.0									2.6	5.4
ENE	1.3	.6	.6									2.6	4.1
E	1.0	2.6	2.3									5.8	5.8
ESE	.6	.6	1.0	.3								2.6	6.4
SE	1.3	1.6	2.6									5.5	6.4
SSE	2.6	4.5	3.5	1.6								12.3	6.6
S	6.8	5.8	4.2	1.0								17.7	5.1
SSW	2.9	2.3	2.3	1.0								8.4	5.5
SW	1.3	4.5	1.9									7.7	5.6
WSW	1.9	1.9	.3	.3								4.5	5.0
W	1.6	.6	1.9									4.2	5.5
WNW	1.3	1.6	.6									3.5	5.1
NW	1.9	1.0		.3								3.2	4.1
NNW	.6	1.9	1.6	.6								4.8	6.7

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	2.1	.2								6.8	5.5
NNE	1.3	2.5	1.8	.3								5.8	5.8
NE	.9	1.6	.8	.2								3.5	5.3
ENE	.7	1.2	.6	.2								2.7	5.3
E	.9	1.7	1.5	.1	.0							4.2	5.9
ESE	.9	1.9	1.4	.2								4.5	5.9
SE	1.1	3.2	3.5	1.0	.0							8.8	7.2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.3										.7	3.0
NNE		.7										.7	6.0
NE		1.7	.7	.3								2.7	7.1
ENE	.3	1.3	.3									2.0	5.0
E	1.0	1.0	.7	.3								3.0	5.2
ESE	1.0	1.7	.3	.3	.3							3.7	6.2
SE	.3	1.3		.3								2.0	5.3
SSE	2.7	2.0	1.0	.3								6.0	4.9
S	3.7	6.0	4.7	.3								14.7	5.4
SSW	2.0	3.7	3.7	1.7								11.0	6.8
SW	1.0	4.3	6.3	1.0								12.7	7.1
WSW	.3	3.0	1.0	.3								4.7	6.3
W	3.0	3.0	1.0									7.0	4.3
WNW	5.3	1.3	1.0									7.7	3.6
NW	2.3	1.0			.7							4.0	5.4
NNW	2.0	2.3	2.3									6.7	5.3
VARBL													
CALM												11.0	
	25.3	34.7	23.0	5.0	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.[illegible]	3.[illegible]	1.4								8.7	7.2
NNE	.9	2.1	2.3	.7	.0							6.[illegible]	6.8
NE	1.0	2.0	.[illegible]	.4	.1							4.3	6.2
ENE	.6	1.5	.8	.1								3.[illegible]	5.4
E	.9	1.1	.6	.0								2.6	4.8
ESE	.[illegible]	1.2	.[illegible]	.0								2.3	4.6
SE	1.1	2.3	2.[illegible]	.4								5.[illegible]	6.1
SSE	1.1	1.8	2.[illegible]	1.0	.1							5.9	7.1
S	1.2	2.[illegible]	1.1	.6	.0							5.0	6.3
SSW	.6	1.3	1.5	.8	.1							4.3	7.7
SW	1.1	.[illegible]	1.[illegible]	1.5	.1	.[illegible]						5.3	8.3
WSW	.6	.[illegible]	1.2	1.[illegible]	.1							3.7	8.2
W	.7	1.1	1.1	.8	.1							3.8	7.6
WNW	1.2	1.[illegible]	1.[illegible]	1.6	.6	.2						6.6	9.0
NW	1.4	2.3	3.6	3.8	.7	.1						12.1	9.3
NNW	2.0	2.7	4.5	2.4	.3		.1					11.9	8.1
VARBL													
CALM												8.4	
	16.6	27.3	28.[illegible]	16.5	2.4	.3	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	5.9
NNE		1.0	.3	.3								1.7	7.0
NE		1.3	1.0	.3								2.7	6.6
ENE	.3	1.3	.7									2.3	5.1
E	1.0	1.3	1.3									3.7	5.5
ESE	.3	.3	.3	.3								1.3	7.5
SE			.7									.7	9.0
SSE	1.7	1.7		.3								3.7	4.3
S	2.0	2.3	1.7	.7								6.7	5.8
SSW	2.7	3.3	4.0	1.7								11.7	6.3
SW	1.3	3.0	4.3	1.7								10.4	7.1
WSW	1.3	3.7	1.7	.7								7.4	5.8
W	3.7	5.4	.7	1.0								10.7	4.7
WNW	3.3	4.3	1.0	.3								9.0	4.5
NW	1.7	2.3	.7									4.7	4.4
NNW	1.3	2.7	1.3	.3								5.7	5.4
VARBL													
CALM												14.4	
	21.4	35.5	21.1	7.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 07 (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	1.7	1.0	1.0	.3								4.0	5.1
NNE	1.0	.7	2.3	.3								4.3	6.5
NE	1.3	.7	1.3									3.3	5.2
ENE	.3	2.3	1.3									4.0	6.2
E	.7		.3									1.0	4.3
ESE	.3	1.7	1.0	.3								3.3	6.4
SE	.3	.7	.7	1.0								2.7	7.6
SSE	.3	.7	1.3									2.3	6.4
S	1.7	4.3	1.0	.7								7.7	5.3
SSW	1.0	2.3	2.7	.3								6.3	6.5
SW	2.0	2.7	6.0	2.3								13.0	7.5
WSW		4.0	4.0	1.3								9.3	7.9
W	1.0	4.0	1.7									6.7	5.6
WNW	.7	5.0	2.7		.3							8.7	6.2
NW	2.3	3.0	1.7	.3								7.3	5.4
NNW	3.0	1.0	2.7	.3								7.0	5.6
VARBL													
CALM												9.0	
	17.7	34.0	31.7	7.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.3	2.3	.7								7.3	6.4
NNE	1.7	3.3	2.3	.7								8.0	6.0
NE	.7	3.3	.7									4.7	5.1
ENE	.3	1.3	.7									2.3	5.7
E	1.3	4.3	.3									6.0	4.4
ESE	.3	2.7	1.7	.3								5.0	6.5
SE	1.0	2.7	4.7	.3								8.7	6.8
SSE	.7	2.7	1.0	.3								4.7	6.1
S	.3	2.0	3.0	.3	.3							6.0	7.8
SSW	.3		4.3	.3								5.0	8.5
SW	.3	1.0	3.0	1.0								5.3	8.1
WSW	.7	1.3	5.7	2.0								9.0	8.6
W	2.7	2.0	3.7									8.3	6.0
WNW	.3	1.7	2.0									4.0	6.8
NW	.7	1.7	4.0	2.3								8.3	8.7
NNW	.7	2.0	2.3									5.0	6.2
VARBL													
CALM												2.3	
	12.7	35.3	41.0	8.3	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

13 — HOURS (L.S.T.)

CONDITION

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1? (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.6	2.9	1.9								8.1	7.6
NNE	1.9	4.2	1.9	.6								8.7	5.4
NE	.6	2.3	1.0									3.9	5.5
ENE	1.0	2.3	1.0	.6								4.9	6.3
E		1.3	1.0	.3								2.6	7.4
ESE	.3	1.6	1.6									3.6	6.8
SE	1.0	1.9	2.3	.6								5.8	6.8
SSE		1.6	1.3	1.0	.3							4.2	5.6
S		1.3	1.9	1.3	.3							4.9	9.9
SSW	1.0	1.3	1.9	1.6	.3							6.1	8.7
SW		.3	2.6	2.9	.6							6.5	12.2
WSW	.6	1.0	2.6	1.3								5.5	7.9
W	.3	.6	.6	.6	.6							2.9	10.7
WNW	.3	1.6	4.2	3.2								9.4	9.4
NW		1.6	2.9	6.5	1.6	.3						12.9	12.3
NNW	1.0	.3	2.3	3.6	.3							8.1	10.0
VARBL													
CALM												1.9	
	.7	25.9	32.7	26.2	4.2	.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

16 (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	2.7	.7									4.3	4.8
NNE	1.0	1.0	3.0	.3								5.3	5.3
NE	.7	3.3	1.0									5.0	5.1
ENE		1.0	1.0	.7								2.7	8.1
E	1.0	1.7	.7	.3								3.7	5.5
ESE	.7	1.7	.3	.3								3.0	5.3
SE		4.7	7.0	2.3								14.0	8.1
SSE	1.0	4.7	14.0	5.3								25.0	8.7
S	.3	.3	3.3	.7								4.7	8.7
SSW		.3	2.3	1.7								4.3	9.8
SW			2.0	2.3	.3							4.7	11.2
WSW		1.3	1.3	.3								3.0	7.7
W	.7	1.3	3.0									4.7	7.1
WNW	.3	1.0	.7	.7								2.7	7.1
NW	.3	1.3	3.3	1.3								6.3	9.5
NNW	.7	3.0	.7	.7								5.0	6.2
VARBL													
CALM												1.7	
	7.3	29.3	44.3	17.0	.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

CLASS: ALL WEATHER

HOURS (L S T): 13

CONDITION:

SPEED (KNTS) DIR.	1 - 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	3.5	3.9	1.0								9.7	6.5
NNE	.6	3.2	4.2	.6								8.7	7.1
NE	1.0	2.3	1.0	.3								5.5	6.1
ENE	.7	1.6	1.3	.6								3.9	7.1
E	1.6	2.3	1.0									5.2	4.8
ESE	.3	2.6	2.9	.3								6.5	6.6
SE	.3	4.8	5.2	2.3								12.6	7.9
SSE		1.6	1.0	2.6								6.1	9.5
S	.6	.6	1.6	1.3	.3							3.9	9.9
SSW			1.	1.6	.3							2.9	12.2
SW	.7	1.0	1.9	1.9	.3							5.5	10.4
WSW	.3			1.6	.3	.3						2.6	13.8
W		1.0	1.3	1.6	.3	.3						4.5	11.7
WNW		1.3	2.6	4.5	1.3							10.0	11.9
NW	.3	.3	1.3	2.9	2.6							7.4	13.9
NNW	.7	.3	1.0	2.6	.6							4.8	11.8
VARBL													
CALM												.3	
	7.4	27.1	32.6	25.8	6.1	.6						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 10 (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	2.0	1.3	.7									4.0	4.1
NNE	1.3	1.7	.3									3.3	4.2
NE	1.3	1.0										2.3	3.4
ENE	.7	1.7	1.3									3.7	5.7
E	.7	.7	1.0	.3								2.7	6.1
ESE	1.7		.7	.3								2.7	5.3
SE	2.0	1.7	1.3	.7								5.7	5.6
SSE	2.7	9.0	7.3	1.7								20.7	6.5
S	3.0	11.7	5.7									20.3	5.6
SSW	1.3	3.7	1.0	.3								6.0	5.8
SW		1.3	1.3	1.0								3.7	8.3
WSW		1.3	.7	.3								2.3	7.3
W	.7	2.3	1.0	.3								4.3	5.2
WNW	1.7	1.0	.3	.7								3.7	5.5
NW	.7	1.7	.7	.3	.3							3.3	7.1
NNW	2.0	3.0	1.0	.3								6.3	5.1
VARBL													
CALM												5.0	
	21.0	43.0	24.3	6.3	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS (L S T)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	2.[illegible]	[illegible].[illegible]	1.3								8.4	[illegible].[illegible]
NNE		[illegible].[illegible]	[illegible].[illegible]									[illegible].4	7.[illegible]
NE	.[illegible]	1.[illegible]	1.3	.3								2.[illegible]	7.3
ENE		.[illegible]	.[illegible]	.3								1.[illegible]	7.8
E	1.[illegible]	1.[illegible]										3.[illegible]	3.6
ESE	1.[illegible]	4.[illegible]	1.[illegible]									7.4	[illegible].6
SE	1.[illegible]	2.6	6.3	1.6		.[illegible]						12.[illegible]	8.1
SSE	1.[illegible]	1.[illegible]	8.7	4.5	.3							16.1	9.1
S	.[illegible]	.[illegible]	.[illegible]		.3							1.[illegible]	8.2
SSW		.[illegible]	1.[illegible]	1.6								3.[illegible]	1[illegible].6
SW	.[illegible]		1.[illegible]	1.[illegible]								2.[illegible]	[illegible].9
WSW		.3	2.[illegible]	1.[illegible]		.[illegible]						4.[illegible]	1[illegible].8
W	.[illegible]	.[illegible]	1.[illegible]	2.6	.3							4.[illegible]	1[illegible].9
WNW		.[illegible]	1.[illegible]	2.6	.6							5.[illegible]	12.2
NW	1.[illegible]	1.3	3.[illegible]	4.5	.3							10.[illegible]	10.5
NNW	1.[illegible]	.[illegible]	1.[illegible]	2.[illegible]	.3							5.[illegible]	10.4
VARBL													
CALM												1.[illegible]	
	[illegible].[illegible]	21.6	40.6	24.[illegible]	[illegible].3	.[illegible]						1[illegible].[illegible]	[illegible].6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

E 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7	1.0	.7									2.3	5.1
NE	.7	1.0	1.0									2.7	5.9
ENE	1.0	.3	.7	.3								2.3	5.9
E	.7	1.3	2.0	.3								4.3	6.2
ESE		.7	.3	.7								1.7	8.4
SE	.7	.7	1.7	.3								3.3	6.9
SSE	1.7	3.7	3.3	.3								9.0	5.7
S	6.7	10.0	6.7									23.3	5.0
SSW	4.0	4.0	4.7	1.3								14.0	6.1
SW	3.7	2.3	2.3	1.0								9.3	5.6
WSW	.3	.7	1.0									2.0	6.7
W	2.0	3.3	.3	.3								6.0	4.6
WNW	1.0	2.7	.3	.3								4.3	5.0
NW	1.3	2.7	.3									4.3	4.2
NNW	1.0	1.0	1.3									3.3	5.8
VARBL													
CALM												7.0	
	26.0	35.3	26.7	5.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

CLASS: ALL WEATHER — HOURS (L S T): 10

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	[illegible]	2.[illegible]	.[illegible]	.3							[illegible]	6.6
NNE	1.[illegible]	.[illegible]	1.[illegible]		.3							4.[illegible]	6.[illegible]
NE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	5.0
ENE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	6.0
E	1.[illegible]	1.[illegible]	1.[illegible]									4.[illegible]	5.7
ESE	.[illegible]	1.[illegible]	.[illegible]									2.3	5.1
SE	.[illegible]	[illegible].9	1.[illegible]	.3								6.[illegible]	6.0
SSE	[illegible].[illegible]	[illegible].1	4.[illegible]	2.3								13.1	6.1
S	1.[illegible]	2.9	3.[illegible]	1.[illegible]								9.[illegible]	6.4
SSW	1.[illegible]	1.[illegible]	1.[illegible]	.3								3.[illegible]	5.9
SW	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]								3.[illegible]	7.7
WSW	.[illegible]	2.3	.[illegible]	1.[illegible]								[illegible].[illegible]	7.1
W		.[illegible]		1.[illegible]		.[illegible]						[illegible].3	12.0
WNW	.[illegible]	1.[illegible]	.[illegible]	1.9	.6							5.[illegible]	9.9
NW	1.[illegible]	.[illegible]	[illegible].[illegible]	2.6	.6							7.4	10.4
NNW	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.6	.3							[illegible].4	7.3
VARBL													
CALM												10.[illegible]	
	1[illegible].[illegible]	33.2	2[illegible].[illegible]	1[illegible].[illegible]	[illegible].3	.[illegible]						1[illegible].[illegible]	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.2								3.8	5.5
NNE	.9	1.6	1.3	.2								4.0	5.8
NE	.7	2.0	.9	.1								3.7	5.6
ENE	.5	1.2	.3	.2								2.7	6.0
E	.9	1.5	.8	.2								3.4	5.3
ESE	.7	1.7	.8	.4	.0							3.5	6.1
SE	.5	2.3	3.2	1.3								7.3	7.6
SSE	1.4	3.4	4.2	1.2								10.2	7.0
S	2.3	4.7	3.7	.4	.0							11.1	5.8
SSW	1.4	2.2	3.2	1.0								7.8	6.9
SW	1.1	1.9	3.5	1.4	.0							7.9	7.6
WSW	.4	2.1	2.2	.8								5.5	7.5
W	1.7	2.8	1.8	.3	.0							6.3	5.5
WNW	1.6	2.3	1.2	.5	.0							5.6	5.6
NW	1.2	1.8	1.6	.8	.1							5.5	6.7
NNW	1.5	2.1	1.6	.3								5.5	5.6
VARBL													
CALM												6.3	
	17.7	35.0	31.4	9.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

CLASS: ALL WEATHER

HOURS (L S T): 22

CONDITION:

SPEED (KNTS) DIR.	1 - 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	1.9	2.3	.3	.3							6.5	6.7
NNE		1.6	1.9	.6								4.2	7.8
NE		1.3										1.3	4.3
ENE	1.9	.3	.3	.3								2.3	4.7
E	.3	1.3	1.6									3.2	6.3
ESE	.6	1.6	.3									2.6	4.9
SE	1.6	2.6	1.9	.3								6.5	5.6
SSE	1.6	3.9	2.9	.6								9.0	5.9
S	3.2	3.9	3.9	1.3								12.3	6.3
SSW	1.3	1.3	2.3	1.3								5.9	7.3
SW	.3	.3	1.0	.6								2.3	8.3
WSW	1.3	.6	1.3		.3							3.2	6.5
W	1.3	2.6	.6	.3	.3							5.2	6.2
WNW	.3	1.3	1.9	1.9	.3							7.7	8.3
NW	.3	2.3	1.9	3.2	.6							8.4	10.1
NNW	1.3	2.9	3.2	2.9								11.3	7.9
VARBL													
CALM												8.4	
	15.7	29.7	27.4	13.9	1.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 313

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.8
NNE	.6	1.6	.3	.3								2.9	5.8
NE	.6	.6	.3									1.6	5.0
ENE	1.3	.6										1.9	2.8
E	.6	1.6		.3								2.6	4.9
ESE	.3	.6	.3	.3								1.6	7.4
SE	.6	.6										1.3	3.3
SSE	.3	1.3	1.0	.3								2.6	6.8
S	5.8	4.8	.6	1.3								12.6	4.7
SSW	2.3	3.9	4.5	.3								11.6	5.7
SW	2.3	4.8	7.1	.3								14.5	6.2
WSW	1.9	2.3	1.3	.3								5.8	5.0
W	1.6	5.2	1.6	.3								8.7	5.2
WNW	1.3	2.9	1.0	.3								5.5	5.5
NW	2.3	1.9	.3									4.5	3.9
NNW	1.3	1.6	1.0									3.9	4.7
VARBL													
CALM												17.1	
	24.5	34.8	19.4	4.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

7221	PATUXENT RIVER, MARYLAND	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.3	2.7	.9	.1							7.3	6.9
NNE	.9	2.3	2.3	.5	.1							6.0	6.8
NE	.6	1.5	.7	.2								3.1	5.9
ENE	.9	1.3	.7	.4								3.1	6.0
E	.9	1.8	1.0	.1								3.9	5.3
ESE	.8	1.9	1.0	.0								3.4	5.7
SE	.9	2.5	2.6	.6		.0						6.9	6.9
SSE	1.0	2.9	3.0	1.5	.1							8.7	7.3
S	1.2	1.8	2.3	1.3	.1							6.7	7.5
SSW	.5	.7	1.9	1.5	.1	.0						4.9	9.0
SW	.4	.8	1.9	1.3	.1							4.6	9.1
WSW	.5	.8	1.4	.7	.1	.1						3.7	8.3
W	1.0	1.3	1.2	1.2	.2	.1						4.9	8.2
WNW	.9	1.5	1.9	2.7	.4							7.6	9.5
NW	.8	1.4	2.5	3.1	.8	.1						8.7	10.5
NNW	1.7	2.3	3.4	2.2	.2							9.4	6.2
VARBL													
CALM												7.3	
	13.5	27.4	30.6	18.4	3.5	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	.3									2.3	4.7
NNE	1.9	1.3	.6	.6	.3							4.8	6.6
NE	.3	1.9	1.0									3.2	5.5
ENE	.6	.6										1.3	3.5
E	1.6	1.0		.3								2.9	4.4
ESE	.3	.3	.6									1.3	6.0
SE	.3		1.0		.3							1.6	8.6
SSE	.3	1.0										1.3	4.0
S	3.5	1.3	.6									5.5	3.6
SSW	1.6	1.6	2.6	1.6								7.4	7.2
SW	1.6	5.8	3.9	1.0								12.3	6.5
WSW	2.6	6.5	1.0	.6								10.6	5.0
W	6.8	4.5	1.0									12.3	3.8
WNW	5.2	3.5	1.3									10.0	4.1
NW	2.3	2.9	1.3									6.5	4.7
NNW	1.6	2.6	.3									4.5	4.2
VARBL													
CALM												12.3	
	31.3	36.1	15.5	4.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-92	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
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	1.7	1.7	.7	.3							5.3	7.6
NNE	.7	1.0	1.3									3.0	5.7
NE		.3	.7				.3					1.3	12.0
ENE		.3	.7									1.0	7.3
E	.7	2.0	1.7	.3								4.7	5.6
ESE	.3	1.0	.3									1.7	5.6
SE	1.7	1.7	.7	.3								3.7	5.7
SSE	2.3	3.0	2.7	.7								8.3	6.0
S	2.0	3.0	2.7	1.7								9.3	7.1
SSW	.7	1.3	3.0	1.3								6.0	8.4
SW	1.7	1.7	3.0	1.7								7.7	8.0
WSW	1.0	1.0	2.3	.7								5.0	7.3
W	1.0	2.7	1.7	1.3								6.7	6.8
WNW	3.0	4.0	1.7	.3	.3	.3						9.7	6.2
NW	1.3	1.3	4.7	2.0	.3	.3						9.3	9.3
NNW	1.0	2.3	2.3	.7								6.3	6.9
VARBL													
CALM												11.0	
	16.7	28.3	30.7	11.7	1.0	.7	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6									2.3	5.0
NNE		1.9	2.6	.3								4.9	6.8
NE	1.6	2.6	1.3									5.5	4.8
ENE	1.9	1.6										3.6	3.5
E	1.0	.6	.6	1.0								3.2	7.5
ESE			.3									.3	8.0
SE	1.0	1.0	.3									2.3	4.3
SSE	1.0	.6	.3									1.9	5.0
S	1.9	1.6	1.0									4.5	4.6
SSW	.6	1.6	1.3	1.0								4.5	7.9
SW	1.9	4.2	5.2	1.6								12.9	6.9
WSW	.3	5.2	2.9	1.0								9.4	6.4
W	2.9	6.5	2.3									11.7	4.7
WNW	4.5	3.9	.6									9.1	3.9
NW	2.3	4.0	1.6	1.0								9.7	5.4
NNW	2.9	3.6	.6									7.1	4.2
VARBL													
CALM												7.1	
	24.6	40.8	21.7	5.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.3	2.7	.7								5.7	7.0
NNE	1.0	1.3	.3	.3								3.0	5.9
NE	.7	1.7	.3									2.3	5.1
ENE	1.0	1.0	.7									2.7	4.9
E	.7	1.3	1.3									3.3	5.9
ESE	.7	1.0	.3									2.0	4.8
SE	1.7	.3	.3	.3								2.3	4.4
SSE	1.3	.7	1.0	.7								3.7	6.3
S	1.0	1.0	.7	1.0								3.7	5.4
SSW	1.0	1.0	2.7	1.3								6.0	7.6
SW		3.0	3.3	3.3								9.7	9.0
WSW	1.3	.3	2.0	.7								4.3	7.3
W	1.3	4.3	2.3	.7								8.7	6.1
WNW	2.7	4.0	1.0	.7	.3	.3						9.0	6.8
NW	3.0	2.7	3.0	3.0								11.7	7.1
NNW	1.0	3.0	3.0	.7		.3						8.0	7.1
VARBL													
CALM												14.0	
	17.7	29.0	25.0	13.3	.3	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
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	3.9	1.9	.6								7.8	6.1
NNE	1.0	4.9	2.9	.3								9.1	5.8
NE	.6	3.2										3.9	4.2
ENE	1.0	1.0	.3									2.3	4.1
E	.6	1.0	1.6									3.2	5.7
ESE	1.3	4.5	1.3	.6								7.4	5.4
SE	.6	2.9	2.9	.6								7.1	7.0
SSE	1.0	1.3	1.3									3.6	5.6
S	1.3	2.9	1.3									5.2	4.6
SSW	1.0	1.3	1.9	1.3								5.5	7.8
SW		1.3	3.2	1.9								6.5	8.7
WSW	.6	1.9	3.2	.6								6.5	7.1
W	1.6	2.3	.6	.3								4.9	5.0
WNW	2.6	4.9	1.6	.3	.3							9.7	5.3
NW	1.9	3.6	2.6	1.0								9.1	6.0
NNW	1.0	1.6	1.3									3.9	5.1
VARBL													
CALM												4.5	
	17.5	42.4	27.5	7.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	2.7	.3		.3						6.0	8.1
NNE	.7	1.3	.7	.3								2.7	7.0
NE	1.0	2.3	.7									4.0	4.8
ENE	.7	.7	.3	1.0								2.7	7.6
E	.7	2.0	1.3	.7								4.7	6.6
ESE	1.3	.3	1.0									2.7	4.6
SE	.7	.3	.3									1.3	4.5
SSE		1.3	2.0	.3								3.7	7.5
S	.7	1.0	1.3	.7		.3						3.7	9.1
SSW	.7	1.7	1.3	2.7								6.3	8.8
SW	.3	2.0	2.7	3.0	.7							8.7	9.9
WSW	.3	.7	1.3	1.3								3.7	8.9
W	.7	2.3	3.3	.3								6.7	7.1
WNW	3.3	3.7	3.3	2.3		.7						13.0	6.8
NW	1.7	3.3	4.0	2.3								11.3	7.7
NNW	1.7	3.0	3.0	1.3	.3							9.0	7.5
VARBL													
CALM												10.0	
	13.7	29.3	29.3	16.7	1.0	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-92	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

13
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	2.6	2.9	1.6	.3								7.4	4.9
NNE	1.6	5.5	1.9									9.0	5.4
NE	.3	2.3	.6									3.2	5.2
ENE	1.6	1.3										2.9	3.7
E	.6	1.6	.3	.3								2.9	5.1
ESE	1.3	5.8	2.6	.3								10.0	5.7
SE	1.0	6.5	6.1	2.9								16.5	7.4
SSE	.3	5.2	2.9	1.0								9.4	6.8
S	.3	1.3	2.3	1.9								5.8	8.6
SSW	.3	1.3	1.3	1.9								4.8	8.5
SW	.3	1.0	1.3	.3								2.9	6.8
WSW		1.3	1.9	1.9								5.2	8.9
W	1.0	2.3	1.0	.3								5.5	6.4
WNW			1.0	.6								1.6	9.4
NW	.6	2.9	2.3	.3								6.1	6.3
NNW	1.6	.6	1.3	1.0								4.5	6.1
VARBL													
CALM												2.3	
	13.5	41.6	29.4	13.2								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1?
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	5.0	3.7	1.0		.3						10.3	7.4
NNE	1.0	1.7	1.3	.3								4.3	6.3
NE		1.7	2.3	.7								4.7	7.4
ENE	.7	1.3	1.	.3								3.3	6.4
E	.7	1.0	1.0	.3								3.0	6.7
ESE		3.3	1.3									4.7	5.7
SE	.7	2.3	3.3	.7								7.0	7.2
SSE	.3	1.7	1.7	1.3								5.0	8.0
S	.3	1.3	1.7	1.7								4.3	8.5
SSW	.3	.3	1.7	3.7								6.0	11.0
SW	1.0	.7	.7	3.7		.7						6.7	11.5
WSW	.7	.3	3.7	1.0								5.7	8.9
W		1.3	2.3	2.3			.3					6.3	11.2
WNW	.3	2.0	3.0	2.7	.3	.3						9.0	9.8
NW		1.7	5.7	5.7								13.0	10.4
NNW	.7	1.0	2.0	2.3								6.0	9.2
VARBL													
CALM												.7	
	7.0	27.0	35.7	27.7	.3	1.3	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
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	1.9	2.3	1.3									5.5	4.8
NNE	2.6	4.5	1.9									9.0	4.9
NE		1.6	.6									2.3	5.3
ENE	.3	.6	1.0									1.9	5.6
E	.6	1.6	.6									2.9	5.1
ESE	.6	3.5	1.9	.3								6.5	6.2
SE	1.0	5.8	8.7	2.3	.3							18.1	7.7
SSE	1.6	3.2	9.4	3.9								18.1	8.3
S	1.0	1.0	3.2	1.0								6.1	7.4
SSW	.3	1.9	1.3	.3	.3							4.2	7.6
SW		1.6	1.3	.6								3.5	8.3
WSW		1.0	1.3	.6	.6							3.5	10.3
W		1.6	3.9	1.0								6.5	8.0
WNW		1.0	1.6	.6								3.2	8.6
NW	.6	.6	1.0									2.3	5.4
NNW	1.3	1.3	1.6	.3								4.5	6.0
VARBL													
CALM												1.9	
	11.9	33.2	40.6	11.0	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1773 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.7	.3							5.7	7.4
NNE	.7	1.0	2.0	.7								4.3	7.5
NE	1.7	3.0	3.0	1.0								8.4	6.7
ENE	.7	1.0	2.7		.3							4.7	7.0
E	1.0	.7	.7	.3								2.7	6.6
ESE	.7	2.3	2.7	.3								6.0	6.6
SE	.7	3.7	8.7	4.0	.3							17.4	8.6
SSE		1.3	1.3	4.7								7.4	10.7
S			.7	2.0								2.7	12.0
SSW	.7		.3	3.0								3.7	11.5
SW			1.0	1.0	1.0							3.0	13.9
WSW			1.3	2.0	.3	.3						4.0	13.4
W		.3	2.3	4.3	.7							8.0	12.0
WNW			1.0	2.7	.7		.3					4.7	13.6
NW	.3	.7	3.3	4.3	1.3							10.0	11.5
NNW	.7	1.3	3.3	1.3	.3							6.7	8.9
VARBL													
CALM												.7	
	7.0	17.7	36.1	32.4	5.4	.3	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	1.0	.3	.6	.3							5.8	5.1
NNE	1.0	.3	1.0									2.3	4.7
NE					.3							.3	20.0
ENE	.6		.3									1.0	3.7
E	.6	2.6	.3									3.6	4.7
ESE	1.3	.3	.6									2.3	4.3
SE	1.3	2.3	1.6									5.2	5.6
SSE	1.6	8.4	3.2	1.6								14.9	6.2
S	5.5	13.3	5.2			.3						24.3	5.1
SSW	1.9	3.2	1.6	.3								7.1	5.2
SW		2.6	.3		.3							3.2	7.0
WSW	.6	1.3	1.6									3.6	5.9
W	.3	1.3	1.9	.3								3.9	6.6
WNW	.3	1.6	1.3					.3				3.6	8.5
NW	1.3	1.0	.6									2.9	4.3
NNW	2.6	1.3	.3	.3								4.5	4.1
VARBL													
CALM												11.7	
	22.7	40.5	20.4	3.2	1.0	.3		.3				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	3.3	.7								6.7	7.4
NNE	.7	2.7	2.7	.7								6.7	7.0
NE	.7	1.7										1.3	3.8
ENE	.7	.7	.3	.3	.3							2.3	8.0
E	.7	1.7	.3		.3							3.0	5.7
ESE	1.0	1.3	2.0	.3		.7						5.0	7.3
SE	1.0	4.7	6.7	4.0								16.3	7.9
SSE	.3	2.3	6.7	7.0								16.3	10.0
S		.7	2.0	1.0	.7							4.3	10.7
SSW		.3	.7	1.0	.3							2.3	11.1
SW		.7	.7	2.0	.7							4.7	12.7
WSW			1.7	1.7	.3	.3						4.0	12.8
W		.3	1.7	2.0	.3		.3					4.7	13.5
WNW		.7	2.0	1.7		.7						5.0	11.6
NW	.7	.7	3.3	6.7	.3	.3						12.0	11.3
NNW	.3		1.0	1.7	.7	.3						4.0	12.7
VARBL													
CALM												1.3	
	6.3	19.3	35.0	31.7	4.0	2.0	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 22 (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	.3		.3								1.9	4.5
NNE	.6	.3		.3								1.3	5.8
NE	1.3	.6	.3									2.3	3.9
ENE	.3	1.0										1.3	4.3
E	.3	1.0	1.3	.3								2.9	7.2
ESE		1.6		.3								1.9	5.8
SE	1.0	.3	1.3	.3								2.9	6.9
SSE	.3	2.3	1.3	.6								4.5	7.0
S	8.1	11.6	1.9	.6								20.3	4.6
SSW	3.5	7.4	3.2	.6								14.8	5.2
SW	2.6	6.5	1.6	1.0								11.6	5.4
WSW	1.3	1.6	.6									3.3	4.5
W	1.9	2.3	1.0									5.2	4.4
WNW	.6	1.6	.6									2.9	5.0
NW	1.0	.6	.6									3.2	4.1
NNW	.6	1.6	.3	.6								3.2	6.2
VARBL													
CALM												16.1	
	23.9	40.6	14.2	5.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	1.7	.[illegible]	.2	.0							4.3	5.1
NNE	1.2	2.5	1.4	.2	.[illegible]							5.4	5.7
NE	.[illegible]	1.6	.5		.0							2.[illegible]	5.0
ENE	1.[illegible]	.[illegible]	.[illegible]									2.0	3.9
E	.[illegible]	1.4	.[illegible]	.3								3.[illegible]	5.6
ESE	.6	2.1	.[illegible]	.2								3.[illegible]	5.8
SE	.[illegible]	2.4	2.7	.8	.1							6.[illegible]	7.0
SSE	.[illegible]	2.[illegible]	2.4	.[illegible]								7.[illegible]	6.[illegible]
S	3.2	4.7	2.[illegible]	.6		.[illegible]						10.[illegible]	5.2
SSW	1.[illegible]	2.[illegible]	2.[illegible]	.[illegible]	.[illegible]							7.[illegible]	6.4
SW	1.1	3.5	3.[illegible]	.[illegible]	.[illegible]							8.[illegible]	6.7
WSW	.[illegible]	2.[illegible]	1.7	.6	.1							6.[illegible]	6.4
W	[illegible].[illegible]	[illegible].2	1.[illegible]	.3								7.3	5.2
WNW	1.[illegible]	2.4	1.1	.2	.[illegible]			.0				5.7	5.4
NW	1.7	2.3	1.3	.3								5.[illegible]	5.2
NNW	1.[illegible]	1.[illegible]	.[illegible]	.3								4.5	5.0
VARBL													
CALM												9.1	
	21.2	38.6	27.[illegible]	6.8	.4	.[illegible]		.0				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2477

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7		.5									1.3	5.3
NNE	.3	1.3	1.3									2.9	5.4
NE	.6	.6		.3								1.5	4.8
ENE	1.7	1.3	1.3									3.5	5.1
E	2.3	1.6										4.3	3.8
ESE	.5	.3	.6									1.5	3.2
SE	1.7	1.3										3.3	3.7
SSE	.6	.6	.3									1.6	5.2
S	5.0	6.1	.3	.6								12.3	4.1
SSW	3.9	5.5	1.9	.6								11.3	5.4
SW	1.9	5.5	3.9	2.3								13.7	7.0
WSW	2.5	1.3	1.6									5.3	4.6
W	4.9	2.9	1.7									9.5	3.7
WNW	2.2	2.6										5.1	3.4
NW	1.7	1.3	1.3									3.3	5.8
NNW	3.2	1.6	1.9									6.7	4.7
VARBL													
CALM												13.2	
	32.9	34.2	15.9	3.9								100.3	4.2

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13722	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

22 — 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	1.7	2.0	2.0	.3								6.0	5.8
NNE	.7	1.0	.3									2.0	4.2
NE	.7	1.3		.3								2.3	5.7
ENE	.3	1.0	.7									2.0	5.7
E	.3	1.0	1.0	.3								2.7	6.9
ESE	.7	1.3	.3									2.3	4.3
SE	1.0	3.0	1.3									5.3	5.6
SSE	.7	3.3	4.7	1.3	.3							10.3	7.5
S	3.0	4.7	4.7	1.0								13.3	6.2
SSW	2.0	1.3	3.0	1.7								8.0	7.4
SW	2.0	2.0	1.0	1.7								6.7	6.8
WSW	1.0	1.3	.7	.7								3.3	6.6
W	.7	1.3	2.0	1.0								4.7	8.4
WNW	1.7	1.0	2.0	2.3	.3	.7						7.7	9.8
NW	.7	1.0	2.3	1.3		.7						5.7	9.6
NNW	.7	.7	3.7	1.0	.7							6.7	9.0
VARBL													
CALM												11.0	
	17.3	27.3	29.3	13.0	1.3	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	.6	1.0								1.9	9.7
NNE	.6	1.6	.6									2.8	5.4
NE	.6	1.6	1.3									3.5	5.6
ENE	.6	1.6	.6	.3								3.2	5.5
E	1.0	1.0	.6									2.6	4.8
ESE	.3	.6	.3	.3								1.6	6.8
SE	.6	.3										1.0	2.7
SSE	.3											.3	3.0
S	4.5	1.9	.6									7.1	3.7
SSW	2.9	3.2	2.3	.6								9.0	5.4
SW	2.3	5.2	5.2	.3								12.9	6.0
WSW	1.6	3.5	1.6	.6								7.4	6.0
W	5.5	4.2	.6									10.3	3.6
WNW	2.6	4.2										6.8	4.0
NW	2.9	1.9	1.0									5.8	4.1
NNW	4.5	2.4	.4									7.7	3.9
VARBL													
CALM												15.8	
	31.0	33.0	16.1	3.2								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

FIG 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17[illegible]	PATUXENT RIVER, MARYLAND	73-82	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T

CONDITION

SPEED													MEAN

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) | 13 (HOURS (L S T.))

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

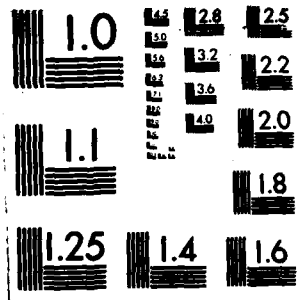
16 — HOURS (L S T)

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	4.2	1.6									7.4	5.0
NNE	1.3	4.5	1.6									7.4	5.2
NE	1.3	1.3	.3									2.6	4.5
ENE	1.0	1.6	.6									3.2	4.7
E	2.6	2.6	.6	.3								6.1	4.4
ESE	1.3	3.5	.6	.6								6.1	5.4
SE	1.0	7.7	5.2	2.9								16.8	7.3
SSE	.3	4.8	5.8	3.2								14.2	8.4
S	.6	3.5	1.6	1.0								6.8	6.8
SSW	.3	1.0	2.3	.6								4.2	7.5
SW		1.6	2.6									4.2	6.7
WSW		1.9	1.9	.3								3.2	6.8
W	.6	1.6	1.9									4.2	6.3
WNW	.9	1.0	1.3	.6								3.5	7.5
NW	.6	2.6	1.6									4.8	6.1
NNW	2.6	1.6										4.2	3.5
VARBL													
CALM												1.0	
	15.5	45.2	28.7	9.7								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L S T))

(CONDITIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	.6	.6									3.9	3.8
NNE	1.9	.6										2.3	2.9
NE		1.3	.3									1.6	6.2
ENE	1.7		.6									1.9	4.8
E	.6	1.9	1.3	.3								4.2	6.4
ESE	1.3	1.3	.7									2.9	4.4
SE	.6	2.6	.6	.6								4.5	6.5
SSE	1.9	4.2	1.9	.3								8.4	5.3
S	10.3	14.5	6.1	.3								31.6	4.8
SSW	1.9	2.9	1.6									6.5	4.8
SW	1.3	1.3	1.3									3.2	5.1
WSW	1.3	1.3	.3									2.6	4.4
W	1.3	1.9	1.3									4.2	4.8
WNW	1.6	.3	.3									2.3	3.7
NW	1.3	1.3	.3									2.6	4.3
NNW	2.9	1.3	.6	.3								5.2	4.4
VARBL													
CALM												12.9	
	31.0	37.1	17.1	1.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 07 (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	1.9	3.9	1.0	.3								7.1	5.1
NNE	.6	3.2	1.3	.3								5.5	6.2
NE	.6	1.3	1.6	.6								4.2	6.7
ENE	.6	1.6	.6									2.9	4.7
E	.6	1.6	2.3									4.5	6.5
ESE	.3	1.0	.6									1.9	5.5
SE	1.0	.6	1.0	.3								3.9	5.3
SSE	1.3	1.3	1.3	.3	.3							4.5	6.5
S	2.6	1.9	1.6	.6								6.5	5.5
SSW	.7	1.6	2.9	1.3								6.1	8.7
SW	.3	1.6	3.9	1.6								7.4	8.3
WSW	.3	1.0	2.9	.3								4.5	6.9
W	1.9	3.9	1.6	.3								7.7	5.3
WNW	1.9	4.5	1.6	.3								8.4	5.1
NW	2.3	2.6	2.6	1.0								8.4	6.3
NNW	1.5	5.5	1.6	.6								9.4	5.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	6.5	
	19.4	37.1	28.4	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	AUG

CLASS: ALL WEATHER

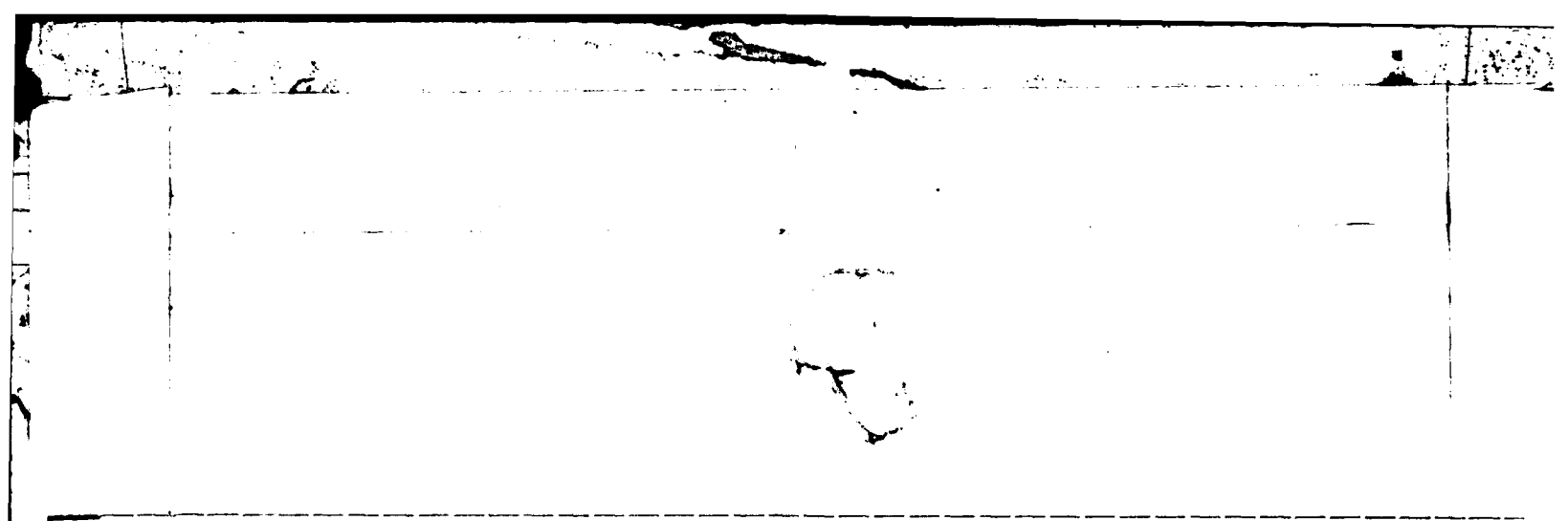
HOURS (L S T): 22

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.3										1.0	2.7
NNE	.6	.6	.3									1.6	4.8
NE	.6	1.[illegible]	1.[illegible]									2.6	5.4
ENE	.6	.3	1.3									2.3	6.0
E	.6	2.3	1.9									4.8	5.8
ESE		1.6	.3									1.9	5.3
SE	.3	1.3	2.3	.3								4.2	7.0
SSE	1.6	2.6										4.2	4.1
S	3.4	9.1	3.2									20.6	4.2
SSW	3.9	6.5	2.6									12.9	5.0
SW	2.3	5.5	1.6	.3								10.3	5.3
WSW	1.6	.6	1.[illegible]	.3								3.5	5.6
W	1.3	.6	1.9									3.9	5.6
WNW	1.3	.6										1.9	2.7
NW	1.9	1.[illegible]	.6									3.5	3.9
NNW	3.5	1.6	1.3									6.5	4.2
VARBL													
CALM												14.2	
	31.0	34.5	19.4	1.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.3	.7									1.0	7.7
NNE	.7	1.3	2.0	.7								4.7	7.7
NE	1.0	3.7	1.7									6.3	5.5
ENE	.7	2.0	1.3									4.0	5.2
E	1.7	1.7	1.0	.3								4.7	4.9
ESE	.7	1.7	.3									2.7	5.0
SE	.7	2.0	.3	.3								3.0	5.8
SSE	1.0	2.0	.7	.3								4.0	5.3
S	3.3	2.3		.7	.7							7.0	5.5
SSW	3.3	4.0	2.0	.7								10.0	5.3
SW	2.7	3.0	3.0	.3								9.0	5.6
WSW	2.0	2.7	1.7									6.3	4.9
W	3.3	2.0	.7									6.0	3.7
WNW	2.3	.3	1.0	.3								4.0	4.8
NW	2.0	3.0	2.0									7.0	4.9
NNW	2.0	2.3	1.0	.3								5.7	4.8
VARBL													
CALM												14.7	
	27.0	34.3	19.3	4.0	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 13 (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	6.1	2.9	.3								11.0	5.5
NNE	.6	4.2	2.3	.6								7.7	6.3
NE	1.0	2.9	1.0									4.8	5.2
ENE	.3	.6	1.0									1.9	6.2
E	.3	1.6	1.3		.3							3.5	7.1
ESE	1.3	3.5	3.2	.6								8.7	6.6
SE	.3	5.5	7.7	3.9	.3							17.7	8.7
SSE		2.9	5.5	2.9	.3							11.6	9.0
S		.6	1.3	1.3								3.2	9.5
SSW			1.3	1.0	.3							2.6	11.6
SW		1.0	1.9	1.0								3.9	9.1
WSW		.6	1.9	1.6								4.2	10.5
W	1.0	.3	1.0	.6								2.9	7.1
WNW		1.0	2.6	.6								4.2	8.2
NW	.3	1.9	2.9	1.6	.3							7.1	9.3
NNW	.6	1.0	1.0	.3								2.9	6.3
VARBL													
CALM												1.9	
	7.4	33.9	38.7	16.5	1.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

72221	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

04 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7		.7								1.7	5.4
NNE	1.0	.3	2.7	.7								4.7	7.0
NE	3.0	2.7	1.7	.3								6.7	5.6
ENE	1.7	3.7	1.									6.7	4.7
E	1.7	2.0	1.7	.3								5.3	5.9
ESE	.7	1.3	1.0									2.7	6.0
SE	1.0	1.0	.7	.3								3.0	6.0
SSE	.3	.7		.3								1.3	5.0
S	3.3	1.0		.3								3.7	4.3
SSW	1.0	2.0	1.7	1.0								5.7	7.3
SW	3.0	3.3	2.0									8.3	5.0
WSW	3.0	1.0	1.7	.3								4.7	5.0
W	5.7	3.3	.7									9.3	3.5
WNW	2.7	2.3		.3								5.3	4.1
NW	4.3	4.0	1.3	1.0								10.3	4.9
NNW	1.0	3.3	1.7									6.0	5.3
VARBL													
CALM												15.0	
	30.0	32.7	17.0	5.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 16 (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	2.3	2.6									6.5	5.6
NNE	1.3	4.2	2.6	.3								8.4	5.8
NE	1.6	2.9	1.3	.3								6.1	5.2
ENE	1.0	1.6	.3									2.9	4.4
E		.6	.3	.6								1.6	8.0
ESE	1.3	2.9	3.5									7.7	6.0
SE	1.0	5.5	6.8	2.9								16.1	7.7
SSE	.6	3.5	9.0	8.7	.3							22.3	9.7
S		.3	1.3	1.6	.3							3.5	10.9
SSW		.3	2.3	1.3								3.9	9.8
SW		.3	1.0	1.0	.3							2.6	11.0
WSW			1.6		.3							1.9	10.0
W		1.3	1.3	1.0								3.5	8.9
WNW	.3	.3	.6	.3	.6							2.3	11.1
NW	.6	2.3	2.6	.6								6.5	7.0
NNW		1.0	1.0	.6	.6							3.2	10.3
VARBL													
CALM												1.0	
	9.4	29.4	38.4	19.4	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 7 2 1	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	1.[illegible]	1.[illegible]									4.[illegible]	4.8
NNE		2.3	1.[illegible]	.3								3.7	6.9
NE	.7	4.3	2.[illegible]	.3								7.[illegible]	6.0
ENE	2.7	3.[illegible]	1.7									7.3	4.7
E	1.[illegible]	2.7	2.3									6.[illegible]	5.9
ESE		.7	.3									1.[illegible]	6.0
SE		.7	1.[illegible]	.3								1.7	8.2
SSE	.7	.7		.7								2.[illegible]	7.0
S	2.[illegible]	1.0	1.[illegible]	.7								4.7	5.8
SSW	2.7	2.3	1.[illegible]									6.3	4.5
SW	.7	3.3	2.[illegible]	.7	.3							7.[illegible]	7.1
WSW	1.[illegible]	1.7	2.7									5.3	6.1
W	4.[illegible]	3.7	1.[illegible]									8.7	3.9
WNW	4.[illegible]	3.3	.7	.3								8.3	3.0
NW	2.[illegible]	1.3	3.[illegible]	1.[illegible]								7.3	6.2
NNW	1.3	3.[illegible]	2.3	.3								7.[illegible]	5.6
VARBL													
CALM												12.3	
	25.0	34.7	27.3	4.7	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

19 (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	2.6	1.6	1.6	.6								6.5	5.2
NNE	3.5	1.3	.3									5.2	3.1
NE	1.0	.3	.3	.3								1.9	5.7
ENE	.6	1.0	.6	.3								2.6	5.4
E	1.6	1.0	1.9									4.5	5.6
ESE	1.6	1.6	.3	.3								3.9	4.9
SE	1.9	4.8	2.3	.3								9.4	5.7
SSE	2.3	9.7	8.7	1.9								22.6	6.9
S	2.3	4.8	2.9	1.3								11.3	6.1
SSW	.3	2.3	1.6	.6								4.8	6.6
SW	1.0	1.9	1.3	.3								4.5	5.7
WSW		1.3	.6	.6								2.6	7.0
W	1.0	.3	.3									1.6	4.6
WNW	.3	1.0	1.0									2.3	6.1
NW	1.3	.3		1.0	.3							2.9	7.8
NNW	1.3	1.6	.3	.3								3.5	4.9
VARBL													
CALM												10.0	
	22.6	39.8	24.2	8.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 10 (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	2.0	4.7	3.0	.3								9.3	5.6
NNE	1.7	5.7	2.3	.3								9.7	5.6
NE	.3	4.	1.3	.3								6.3	5.7
ENE	.3	2.3	2.7	.3								4.7	6.3
E	1.7	5.0	1.7									8.3	5.3
ESE	2.0	3.7	1.3	.3								7.3	5.3
SE	.7	2.3	1.3	1.0								4.7	7.7
SSE	.3	1.3	1.3									2.7	5.6
S	.7	1.3	1.7	.7								4.3	7.3
SSW	.3	1.7	2.3	1.7								5.7	8.2
SW	.3	2.3	1.7	1.0								5.3	7.4
WSW	.7	2.3	2.3	.7	.3							6.7	7.3
W	1.3	1.7	1.3	.3								4.7	5.7
WNW	.3	3.0	2.7	.7								6.7	7.0
NW		3.3	2.0	1.3								6.7	7.3
NNW	.7	1.3	1.7	.3								4.0	6.9
VARBL													
CALM												2.7	
	12.3	46.7	28.7	9.3	.3							100.3	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.6	.3									2.6	4.8
NNE	.6	.3	.6	.3								1.9	6.2
NE	.6	1.0	1.0									2.6	5.4
ENE	1.3	.6	.6									2.6	4.1
E	1.0	2.6	2.3									5.8	5.8
ESE	.6	.6	1.0	.3								2.6	6.4
SE	1.3	1.6	2.6									5.5	6.4
SSE	2.6	4.5	3.5	1.6								12.3	6.6
S	6.8	5.8	4.2	1.0								17.7	5.1
SSW	2.9	2.3	2.3	1.0								8.4	5.5
SW	1.3	4.5	1.9									7.7	5.6
WSW	1.9	1.9	.3	.3								4.5	5.0
W	1.6	.6	1.9									4.2	5.5
WNW	1.3	1.6	.6									3.5	5.1
NW	1.9	1.0		.3								3.2	4.1
NNW	.6	1.9	1.6	.6								4.8	6.7
VARBL													
CALM												10.0	
	27.1	32.6	24.8	5.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 13 (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	1.7	3.0	3.7									8.4	6.3
NNE	.7	6.0	2.3									9.0	5.7
NE	1.7	3.7	1.0									6.4	5.5
ENE	.7	1.7	2.3									4.7	5.9
E	1.7	3.0	.3	.3	.3							5.4	5.9
ESE		4.3	1.7									6.0	6.5
SE	1.0	5.7	4.3	1.7								12.7	7.1
SSE	.7	4.7	3.3	2.0	.3							11.0	7.6
S		2.7	2.0	.7								5.4	7.6
SSW	.7	1.7	2.0	2.0								6.4	8.3
SW		.7	1.0	.3								2.0	8.2
WSW	.7	1.7	1.0	.7								3.7	6.9
W	1.0	1.7	1.0	.7								4.3	6.2
WNW	1.7	1.3	1.7	.7								4.7	7.0
NW	.7	1.7	1.7	1.3								5.0	7.4
NNW		2.3	2.0	.3	.3							5.0	7.3
VARBL													
CALM												.7	
	10.7	45.5	31.4	10.7	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	2.1	.2								6.8	5.5
NNE	1.3	2.5	1.8	.3								5.8	5.8
NE	.9	1.6	.8	.2								3.5	5.3
ENE	.7	1.2	.6	.2								2.7	5.3
E	.9	1.7	1.5	.1	.0							4.2	5.9
ESE	.9	1.9	1.4	.2								4.5	5.9
SE	1.1	3.2	3.5	1.0	.0							8.8	7.2
SSE	1.5	3.3	4.3	2.3	.1							11.5	7.7
S	2.3	2.6	2.3	.9	.0							8.1	6.1
SSW	.7	1.3	2.6	1.1	.1							5.9	7.9
SW	.7	1.6	2.2	1.2	.0							5.8	7.6
WSW	.8	1.3	1.5	.6	.0							4.1	6.9
W	1.6	1.7	1.2	.5								4.9	5.8
WNW	1.1	2.0	1.3	.3	.1							4.9	6.1
NW	1.5	1.8	1.8	1.1	.2							6.3	7.1
NNW	1.0	2.1	1.3	.5	.1							5.0	6.4
VARBL													
CALM												7.3	
	18.6	32.5	30.2	10.6	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-[illegible] MONTH [illegible]

CLASS ALL WEATHER HOURS (L S T [illegible]

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	1.7	2.7									7.[illegible]	[illegible].1
NNE	[illegible]	4.3	1.[illegible]	.3								[illegible].[illegible]	[illegible].2
NE	1.[illegible]	2.[illegible]	.[illegible]									4.[illegible]	4.[illegible]
ENE	.[illegible]	[illegible].[illegible]	1.[illegible]	1.0		.[illegible]						6.7	7.[illegible]
E	1.[illegible]	3.[illegible]	1.[illegible]	.3								[illegible].3	[illegible].[illegible]
ESE		2.[illegible]	1.[illegible]	.3								4.[illegible]	[illegible].[illegible]
SE	1.[illegible]	4.3	6.7	1.7	.3							14.[illegible]	7.5
SSE	1.[illegible]	5.[illegible]	8.7	2.[illegible]								17.[illegible]	7.4
S		[illegible].3	2.[illegible]	1.3								5.[illegible]	[illegible].[illegible]
SSW	.[illegible]	1.[illegible]	1.3	.3								3.[illegible]	[illegible].[illegible]
SW	.[illegible]	1.7	.[illegible]									[illegible].3	[illegible].[illegible]
WSW	.3	2.[illegible]	1.[illegible]	.3								3.[illegible]	[illegible].7
W	1.[illegible]	1.[illegible]	.[illegible]	.3								2.[illegible]	[illegible].4
WNW	1.[illegible]	1.3	2.[illegible]	.7								[illegible].[illegible]	[illegible].7
NW	.[illegible]	1.7	2.[illegible]	.7								4.[illegible]	7.[illegible]
NNW	.[illegible]	1.[illegible]	.3	.3								[illegible].[illegible]	[illegible].6
VARBL													
CALM												2.[illegible]	
	14.[illegible]	39.3	33.3	9.7	.3	.[illegible]						1[illegible].[illegible]	[illegible].4

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.3										.7	3.0
NNE		.7										.7	6.0
NE		1.7	.7	.3								2.7	7.1
ENE	.3	1.3	.3									2.0	5.0
E	1.0	1.0	.7	.3								3.0	5.2
ESE	1.0	1.7	.3	.3	.3							3.7	6.2
SE	.3	1.3		.3								2.0	5.3
SSE	2.7	2.0	1.0	.3								6.0	4.9
S	3.7	6.0	4.7	.3								14.7	5.4
SSW	2.0	3.7	3.7	1.7								11.0	6.8
SW	1.0	4.3	6.3	1.0								12.7	7.1
WSW	.3	3.0	1.0	.3								4.7	6.3
W	3.0	3.0	1.0									7.0	4.3
WNW	5.3	1.3	1.0									7.7	3.6
NW	2.3	1.0			.7							4.0	5.4
NNW	2.0	2.3	2.3									6.7	5.3
VARBL													
CALM												11.0	
	25.3	34.7	23.0	5.0	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	SEP

CLASS: ALL WEATHER

HOURS (L S T): 19

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	1.3	.7									4.0	4.1
NNE	[illegible]	1.3	.7									4.3	4.2
NE	1.3	1.7	1.7	.7								5.3	6.3
ENE	.7	1.[illegible]	[illegible]	.7								4.3	7.0
E	.7	1.7	2.7									5.[illegible]	6.3
ESE		.7	1.[illegible]	.3								2.[illegible]	7.5
SE		1.[illegible]	1.[illegible]									2.[illegible]	6.8
SSE	[illegible]	4.3	1.3	.7								10.3	4.7
S	[illegible]	[illegible]	[illegible]	.7								[illegible]1.0	4.5
SSW	[illegible]	1.3	1.[illegible]									4.7	4.1
SW	1.[illegible]	2.3	.[illegible]									4.[illegible]	4.6
WSW	1.[illegible]											1.[illegible]	2.3
W	1.[illegible]	[illegible]	.7									3.7	4.4
WNW	1.[illegible]	1.[illegible]	.7	.3								3.[illegible]	5.[illegible]
NW	.7	1.3	.7	.7								3.3	6.6
NNW	1.7	3.[illegible]	1.[illegible]	.3								6.[illegible]	4.9
VARBL													
CALM												15.7	
	29.0	32.7	17.3	4.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 300

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	5.9
NNE		1.0	.3	.3								1.7	7.0
NE		1.3	1.0	.3								2.7	6.6
ENE	.3	1.3	.7									2.3	5.1
E	1.0	1.3	1.3									3.7	5.5
ESE	.3	.3	.3	.3								1.3	7.5
SE			.7									.7	9.0
SSE	1.7	1.7		.3								3.7	4.3
S	2.0	2.3	1.7	.7								6.7	5.8
SSW	2.7	3.3	4.0	1.7								11.7	6.3
SW	1.3	3.0	4.3	1.7								10.4	7.1
WSW	1.3	3.7	1.7	.7								7.4	5.8
W	3.7	5.4	.7	1.0								10.7	4.7
WNW	3.3	4.3	1.0	.3								9.0	4.5
NW	1.7	2.3	.7									4.7	4.4
NNW	1.3	2.7	1.3	.3								5.7	5.4
VARBL													
CALM												14.4	
	21.4	35.5	21.1	7.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	2.0									3.3	6.6
NNE	1.7	1.0	1.7	.3								4.0	6.1
NE		1.3	.3	1.0								2.7	8.8
ENE	1.7	1.0	2.7	.3								5.3	6.7
E	.7	3.0	1.0									4.3	6.0
ESE	.7	2.3	4.0									7.0	6.4
SE	.7	1.7	.7	.7								3.7	6.1
SSE	1.7	1.3	.7	.3		.7						4.3	6.5
S	5.3	5.7	2.7	.3								14.0	4.7
SSW	2.7	4.0	2.0	.3								9.0	5.0
SW	3.7	3.3	2.7									9.7	4.8
WSW	1.0	2.0	1.0	.3								4.3	5.2
W	1.0	1.7	.7	.3								3.7	5.5
WNW	1.0	.7	1.0									2.7	5.8
NW	1.7	2.0	.7	.3								4.7	4.8
NNW	2.7	1.7	.7	.3	.3							5.7	5.2
VARBL													
CALM												12.0	
	25.0	33.7	24.0	4.7	.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 07 (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	1.7	1.0	1.0	.3								4.0	5.1
NNE	1.0	.7	2.3	.3								4.3	6.5
NE	1.3	.7	1.3									3.3	5.2
ENE	.3	2.3	1.3									4.0	6.2
E	.7		.3									1.0	4.3
ESE	.3	1.7	1.0	.3								3.3	6.4
SE	.3	.7	.7	1.0								2.7	7.6
SSE	.3	.7	1.3									2.3	6.4
S	1.7	4.3	1.0	.7								7.7	5.3
SSW	1.0	2.3	2.7	.3								6.3	6.5
SW	2.0	2.7	6.0	2.3								13.0	7.5
WSW		4.0	4.0	1.3								9.3	7.9
W	1.0	4.0	1.7									6.7	5.6
WNW	.7	5.0	2.7		.3							8.7	6.2
NW	2.3	3.0	1.7	.3								7.3	5.4
NNW	3.0	1.0	2.7	.3								7.0	5.6
VARBL													
CALM												9.0	
	17.7	34.0	31.7	7.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.[illegible]	1.7	.1								4.[illegible]	5.5
NNE	1.1	2.[illegible]	1.[illegible]	.3								6.[illegible]	5.9
NE	1.[illegible]	3.3	1.3	.3								5.[illegible]	5.7
ENE	1.1	2.2	1.[illegible]	.3		.[illegible]						5.4	6.0
E	1.2	2.7	1.[illegible]	.2	.0							5.[illegible]	5.6
ESE	.[illegible]	2.2	1.3	.1								4.[illegible]	6.0
SE	.6	2.3	2.[illegible]	.8	.0							5.6	7.1
SSE	1.3	2.6	2.[illegible]	.8	.0	.0						6.7	6.5
S	2.8	3.3	1.[illegible]	.7	.1							8.[illegible]	5.4
SSW	1.7	2.3	1.7	.8								6.3	6.0
SW	1.[illegible]	2.5	1.6	.3	.0							6.0	5.7
WSW	1.[illegible]	1.7	1.4	.3	.0							4.4	5.9
W	2.3	2.1	.[illegible]	.2								5.4	4.5
WNW	1.7	1.6	1.3	.4								5.[illegible]	5.5
NW	1.4	2.3	1.6	.8								6.[illegible]	6.0
NNW	1.3	2.3	1.3	.3	.1							5.[illegible]	5.6
VARBL													
CALM												9.4	
	21.7	37.6	24.3	6.6	.4	.1						100.[illegible]	5.3

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.3	2.3	.7								7.3	6.4
NNE	1.7	3.3	2.3	.7								8.0	6.0
NE	.7	3.3	.7									4.7	5.1
ENE	.3	1.3	.7									2.3	5.7
E	1.3	4.3	.3									6.0	4.4
ESE	.3	2.7	1.7	.3								5.0	6.5
SE	1.0	2.7	4.7	.3								8.7	6.8
SSE	.7	2.7	1.0	.3								4.7	6.1
S	.3	2.0	3.0	.3	.3							6.0	7.8
SSW	.3		4.3	.3								5.0	8.5
SW	.3	1.0	3.0	1.0								5.3	8.1
WSW	.7	1.3	5.7	2.0								9.0	8.6
W	2.7	2.0	3.7									8.3	6.0
WNW	.3	1.7	2.0									4.0	6.8
NW	.7	1.7	4.0	2.3								8.3	8.7
NNW	.7	2.0	2.3									5.0	6.2
VARBL													
CALM												2.3	
	12.7	35.3	41.0	8.3	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
272.	PATUXENT RIVER, MARYLAND	73-82	OCT

CLASS: ALL WEATHER

HOURS (L S T): 01

CONDITION:

SPEED (KNTS) DIR.	1 - 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	.6	3.2	.3								5.2	7.3
NNE	1.6	1.6	1.9	.3								5.5	5.7
NE	.3	1.9	.6	.3								3.2	6.0
ENE		2.3	2.3									4.9	6.7
E	1.0	.6	1.9									3.5	5.8
ESE	.7	.3	1.3	.3								2.3	7.6
SE		1.0	.3	.3								1.6	7.2
SSE	.3	.3	.6									1.3	6.8
S	1.6	2.3	2.3									6.1	5.5
SSW	3.2	2.9	1.9	1.0								9.0	5.3
SW	3.2	1.9	2.9	.6								8.7	5.6
WSW	.6	1.6	1.3	.3								3.9	6.1
W	1.3	2.9	2.6	.3	.3							7.4	6.3
WNW	.6	3.9	1.9	1.6								8.1	7.4
NW	2.9	2.9	1.9	.3								8.1	5.3
NNW	1.6	2.3	3.2	.6								7.7	6.4
VARBL													
CALM												13.5	
	19.7	29.7	30.3	6.5	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

18721	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.3	.3								6.0	6.5
NNE	1.0	3.3	1.7									6.0	5.3
NE	1.0	3.3	1.7	.3								6.3	6.0
ENE	1.0	.3	.3	.3								2.0	5.3
E	1.0	1.7		.3								3.0	4.7
ESE	1.7	4.7	1.3	.3								7.7	5.6
SE		0.3	9.7	5.7								21.7	8.5
SSE	.7	2.7	5.3	1.3								10.0	7.9
S	.3	1.0	3.3	.7								5.3	7.6
SSW		.3	2.7	1.0								4.0	9.1
SW	.3	.3	2.3	1.0								4.0	9.0
WSW	.3	1.3	2.7	1.7								6.0	8.5
W	.3	1.0	1.0	.3	.3							3.0	8.6
WNW		1.7	1.3	1.7								4.7	9.1
NW	1.0	.3	2.7	1.7								5.3	8.5
NNW	1.3	2.0	1.3	.3								5.0	5.6
VARBL													
CALM												.0	
	10.3	33.0	39.3	17.0	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.?	3.?	3.2	1.0								7.7	7.3
NNE	.6	1.6	1.6	1.0								4.3	7.2
NE	.6	1.3	2.6	.3								4.8	7.0
ENE	1.3	2.3	2.?									5.9	5.7
E	1.3	1.6		.3								3.2	4.9
ESE	.3	.3		.3								1.0	7.3
SE		.?	.3									.6	6.5
SSE	1.3		.?	.3								1.9	4.5
S	2.6	1.9	1.9	.6								7.1	5.5
SSW	1.9	1.6	2.6	.3								6.5	5.7
SW	.6	3.9	1.6	.3								6.5	5.8
WSW	2.3	.3	1.6	.3								4.5	5.4
W	2.6	4.5	1.3	.3	.3							9.0	5.6
WNW	1.6	1.9	3.2	.6								7.4	6.7
NW	1.6	4.2	2.3	1.3								9.4	6.5
NNW	1.?	3.5	2.6									7.4	5.4
VARBL													
CALM												12.3	
	20.3	32.6	27.4	7.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

16 (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	2.7	.7									4.3	4.8
NNE	1.0	1.0	3.0	.3								5.3	5.3
NE	.7	3.3	1.0									5.0	5.1
ENE		1.0	1.0	.7								2.7	8.1
E	1.0	1.7	.7	.3								3.7	5.5
ESE	.7	1.7	.3	.3								3.0	5.3
SE		4.7	7.0	2.3								14.0	8.1
SSE	1.0	4.7	14.0	5.3								25.0	8.7
S	.3	.3	3.3	.7								4.7	8.7
SSW		.3	2.3	1.7								4.3	9.8
SW			2.0	2.3	.3							4.7	11.2
WSW		1.3	1.3	.3								3.0	7.7
W	.7	1.3	3.0									4.7	7.1
WNW	.3	1.0	.7	.7								2.7	7.1
NW	.3	1.3	3.3	1.3								6.3	9.5
NNW	.7	3.0	.7	.7								5.0	6.2
VARBL													
CALM												1.7	
	7.3	29.3	44.3	17.0	.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	2.3	.6								6.1	6.9
NNE		1.3	1.9	.6								3.5	8.2
NE	1.0	2.9	2.3	.6								6.8	6.4
ENE	1.0	1.9	1.3	1.0	.3							5.5	7.4
E	1.0	1.3	1.6									3.9	5.9
ESE	.3	.3	.3									1.0	5.7
SE			1.0									1.3	7.3
SSE	1.0	2.3		.3								3.5	5.1
S	1.0	.3	1.9	.3								3.5	7.1
SSW	2.9	2.9	1.3	.3								7.4	4.7
SW	1.0	2.3	1.6	.6								5.5	6.1
WSW	2.9	1.9	2.3									7.1	4.5
W	2.6	4.2	1.6	.6								9.0	5.5
WNW	1.3	3.2	2.3	1.9								8.7	6.9
NW	1.9	4.2	2.6	.3								9.0	5.5
NNW	1.3	2.3	4.2	.3								8.1	6.6
VARBL													
CALM												10.3	
	19.7	33.5	28.4	7.7	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 10 (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	2.0	1.3	.7									4.0	4.1
NNE	1.3	1.7	.3									3.3	4.2
NE	1.3	1.0										2.3	3.4
ENE	.7	1.7	1.3									3.7	5.7
E	.7	.7	1.0	.3								2.7	6.1
ESE	1.7		.7	.3								2.7	5.3
SE	2.0	1.7	1.3	.7								5.7	5.6
SSE	2.7	9.0	7.3	1.7								20.7	6.5
S	3.0	11.7	5.7									20.3	5.6
SSW	1.3	3.7	1.0	.3								6.0	5.8
SW		1.3	1.3	1.0								3.7	8.3
WSW		1.3	.7	.3								2.3	7.3
W	.7	2.3	1.0	.3								4.3	5.2
WNW	1.7	1.0	.3	.7								3.7	5.5
NW	.7	1.7	.7	.3	.3							3.3	7.1
NNW	2.0	3.0	1.0	.3								6.3	5.1
VARBL													
CALM												5.0	
	21.0	43.0	24.3	6.3	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
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	2.3	3.9	1.3								9.1	7.1
NNE	.3	4.2	2.6	1.6								8.7	7.1
NE	1.3	2.3	2.6	1.3	.3							7.8	7.5
ENE	1.0	2.3	1.3									4.5	5.7
E		1.3	1.6	.6								3.6	7.7
ESE		1.0	1.3									2.6	7.0
SE	.6	.6	1.3									2.6	5.5
SSE	1.3	1.0	.6									2.9	4.4
S	.3	1.3	1.3	1.0								3.9	9.5
SSW	1.3	1.9	1.3	1.3								5.8	6.8
SW		1.3	2.6	1.6	.3							5.9	9.3
WSW	1.0	2.9	1.3	2.3								7.4	7.5
W	1.9	2.6	4.2	.6	.3							9.7	6.8
WNW	.6	1.3	2.6	3.2								7.8	9.5
NW	.3	1.3	3.9	2.9								8.4	9.7
NNW	.6	3.6	2.3	1.6	.3							8.4	7.5
VARBL													
CALM												1.0	
	12.3	31.1	35.7	19.4	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

E 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7	1.0	.7									2.3	5.1
NE	.7	1.0	1.0									2.7	5.9
ENE	1.0	.3	.7	.3								2.3	5.9
E	.7	1.3	2.0	.3								4.3	6.2
ESE		.7	.3	.7								1.7	8.4
SE	.7	.7	1.7	.3								3.3	6.9
SSE	1.7	3.7	3.3	.3								9.0	5.7
S	6.7	10.0	6.7									23.3	5.0
SSW	4.0	4.0	4.7	1.3								14.0	6.1
SW	3.7	2.3	2.3	1.0								9.3	5.6
WSW	.3	.7	1.0									2.0	6.7
W	2.0	3.3	.3	.3								6.0	4.6
WNW	1.0	2.7	.3	.3								4.3	5.0
NW	1.3	2.7	.3									4.3	4.2
NNW	1.0	1.0	1.3									3.3	5.8
VARBL													
CALM												7.0	
	26.0	35.3	26.7	5.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 13 (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	4.5	3.9	.3								10.3	6.3
NNE	.3	3.2	2.3	.3								6.1	6.6
NE		1.9	3.5	1.3								6.9	8.1
ENE	1.0	1.9	.3									3.2	4.1
E	.6	2.6	1.0									4.2	5.5
ESE	.6	3.9	1.3	.3								6.1	5.8
SE	1.0	4.5	1.3	.3								7.1	5.6
SSE	.3	1.3	3.5	1.0								6.1	8.2
S	.3	1.6	1.0	2.6								5.5	9.1
SSW		1.0	1.0	1.0								2.9	8.2
SW		.6	1.3	1.9	.3							4.2	10.8
WSW			3.5	2.6								6.1	10.1
W	.3	2.9	1.3	.6	.3							5.5	7.4
WNW	.3	1.9	2.9	2.3	.3							7.7	9.3
NW	.3	1.6	2.9	2.9								7.7	9.5
NNW	1.0	2.9	4.5	1.0	.3							9.7	7.7
VARBL													
CALM												.6	
	7.4	36.3	35.5	18.4	1.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.2								3.8	5.5
NNE	.9	1.6	1.3	.2								4.0	5.8
NE	.7	2.0	.9	.1								3.7	5.6
ENE	.5	1.2	.3	.2								2.7	6.0
E	.9	1.5	.8	.2								3.4	5.3
ESE	.7	1.7	.8	.4	.0							3.5	6.1
SE	.5	2.3	3.2	1.3								7.3	7.6
SSE	1.4	3.4	4.2	1.2								10.2	7.0
S	2.3	4.7	3.7	.4	.0							11.1	5.8
SSW	1.4	2.2	3.2	1.0								7.8	6.9
SW	1.1	1.9	3.5	1.4	.0							7.9	7.6
WSW	.4	2.1	2.2	.8								5.5	7.5
W	1.7	2.8	1.8	.3	.0							6.3	5.5
WNW	1.6	2.3	1.2	.5	.0							5.6	5.6
NW	1.2	1.8	1.6	.8	.1							5.5	6.7
NNW	1.5	2.1	1.6	.3								5.5	5.6
VARBL													
CALM												6.3	
	17.7	35.0	31.4	9.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	5.2	2.6	.6								11.9	5.1
NNE	.6	2.9	1.0	.6								5.2	6.3
NE		0.3	1.0	.3								3.5	6.9
ENE	1.3	.3	.3	.3								2.3	4.9
E	.3	.6	1.6	.6								3.2	7.5
ESE	1.3	2.9	.6		.3							5.2	5.8
SE	1.0	3.5	2.9	.6								8.1	6.6
SSE	1.6	3.2	6.1	1.0								11.9	7.2
S	1.0	1.9	2.3	1.3								6.5	7.2
SSW		2.3	.3	.3		.3						3.2	5.1
SW	.6		2.9	.6								4.2	8.4
WSW		1.6	1.6	.6								3.9	7.8
W	.3	1.9	1.9	.3	.6							5.2	8.1
WNW		1.9	2.3	2.3	.3							6.5	9.3
NW	1.9	1.0	2.6	2.6								8.1	8.2
NNW	1.6	1.6	3.2	1.0								7.4	6.9
VARBL													
CALM												3.9	
	15.2	33.2	33.2	13.2	1.3	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.8
NNE	.6	1.6	.3	.3								2.9	5.8
NE	.6	.6	.3									1.6	5.0
ENE	1.3	.6										1.9	2.8
E	.6	1.6		.3								2.6	4.9
ESE	.3	.6	.3	.3								1.6	7.4
SE	.6	.6										1.3	3.3
SSE	.3	1.3	1.0	.3								2.6	6.8
S	5.8	4.8	.6	1.3								12.6	4.7
SSW	2.3	3.9	4.5	.3								11.6	5.7
SW	2.3	4.8	7.1	.3								14.5	6.2
WSW	1.9	2.3	1.3	.3								5.8	5.0
W	1.6	5.2	1.6	.3								8.7	5.2
WNW	1.3	2.9	1.0	.3								5.5	5.5
NW	2.3	1.9	.3									4.5	3.9
NNW	1.3	1.6	1.0									3.9	4.7
VARBL													
CALM												17.1	
	24.5	34.8	19.4	4.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	.3									2.3	4.7
NNE	1.9	1.3	.6	.6	.3							4.8	6.6
NE	.3	1.9	1.0									3.2	5.5
ENE	.6	.6										1.3	3.5
E	1.6	1.0		.3								2.9	4.4
ESE	.3	.3	.6									1.3	6.0
SE	.3		1.0		.3							1.6	8.6
SSE	.3	1.0										1.3	4.0
S	3.5	1.3	.6									5.5	3.6
SSW	1.6	1.6	2.6	1.6								7.4	7.2
SW	1.6	5.8	3.9	1.0								12.3	6.5
WSW	2.6	6.5	1.0	.6								10.6	5.0
W	6.8	4.5	1.0									12.3	3.8
WNW	5.2	3.5	1.3									10.0	4.1
NW	2.3	2.9	1.3									6.5	4.7
NNW	1.6	2.6	.3									4.5	4.2
VARBL													
CALM												12.3	
	31.3	36.1	15.5	4.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6									2.3	5.0
NNE		1.9	2.6	.3								4.9	6.8
NE	1.6	2.6	1.3									5.5	4.8
ENE	1.9	1.6										3.6	3.5
E	1.0	.6	.6	1.0								3.2	7.5
ESE			.3									.3	8.0
SE	1.0	1.0	.3									2.3	4.3
SSE	1.0	.6	.3									1.9	5.0
S	1.9	1.6	1.0									4.5	4.6
SSW	.6	1.6	1.3	1.0								4.5	7.9
SW	1.9	4.2	5.2	1.6								12.9	6.9
WSW	.3	5.2	2.9	1.0								9.4	6.4
W	2.9	6.5	2.3									11.7	4.7
WNW	4.5	3.9	.6									9.1	3.9
NW	2.3	4.0	1.6	1.0								9.7	5.4
NNW	2.9	3.6	.6									7.1	4.2
VARBL													
CALM												7.1	
	24.6	40.8	21.7	5.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
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	3.9	1.9	.6								7.8	6.1
NNE	1.0	4.9	2.9	.3								9.1	5.8
NE	.6	3.2										3.9	4.2
ENE	1.0	1.0	.3									2.3	4.1
E	.6	1.0	1.6									3.2	5.7
ESE	1.3	4.5	1.3	.6								7.4	5.4
SE	.6	2.9	2.9	.6								7.1	7.0
SSE	1.0	1.3	1.3									3.6	5.6
S	1.3	2.9	1.3									5.2	4.6
SSW	1.0	1.3	1.9	1.3								5.5	7.8
SW		1.3	3.2	1.9								6.5	8.7
WSW	.6	1.9	3.2	.6								6.5	7.1
W	1.6	2.3	.6	.3								4.9	5.0
WNW	2.6	4.9	1.6	.3	.3							9.7	5.3
NW	1.9	3.6	2.6	1.0								9.1	6.0
NNW	1.0	1.6	1.3									3.9	5.1
VARBL													
CALM												4.5	
	17.5	42.4	27.5	7.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-92	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

13
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	2.6	2.9	1.6	.3								7.4	4.9
NNE	1.6	5.5	1.9									9.0	5.4
NE	.3	2.3	.6									3.2	5.2
ENE	1.6	1.3										2.9	3.7
E	.6	1.6	.3	.3								2.9	5.1
ESE	1.3	5.8	2.6	.3								10.0	5.7
SE	1.0	6.5	6.1	2.9								16.5	7.4
SSE	.3	5.2	2.9	1.0								9.4	6.8
S	.3	1.3	2.3	1.9								5.8	8.6
SSW	.3	1.3	1.3	1.9								4.8	8.5
SW	.3	1.0	1.3	.3								2.9	6.8
WSW		1.3	1.9	1.9								5.2	8.9
W	1.0	2.3	1.0	.3								5.5	6.4
WNW			1.0	.6								1.6	9.4
NW	.6	2.9	2.3	.3								6.1	6.3
NNW	1.6	.6	1.3	1.0								4.5	6.1
VARBL													
CALM												2.3	
	13.5	41.6	29.4	13.2								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

[illegible]
HOURS (L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	3.	1.[illegible]								7.[illegible]	7.7
NNE	.[illegible]	3.[illegible]	2.7									5.[illegible]	[illegible].[illegible]
NE	.[illegible]	1.[illegible]	1.7									[illegible].[illegible]	6.7
ENE	1.[illegible]	1.[illegible]	.7									[illegible].7	4.[illegible]
E	1.7	.3	.7									2.7	3.[illegible]
ESE		.7	.3									1.[illegible]	[illegible].7
SE		.7	.7									1.[illegible]	7.[illegible]
SSE	.7	1.3	.7									2.7	4.9
S	1.7	1.7	1.[illegible]	.7								4.7	6.1
SSW	1.[illegible]	2.[illegible]	1.3	1.3								5.[illegible]	7.[illegible]
SW	1.[illegible]	2.7	1.7	1.3								7.[illegible]	6.[illegible]
WSW	.[illegible]	2.	3.[illegible]	1.[illegible]								[illegible].[illegible]	7.8
W	1.[illegible]	4.7	3.[illegible]	1.3								10.7	5.4
WNW	1.7	2.7	2.3	.3								7.[illegible]	[illegible].9
NW	3.7	4.	2.7	1.3								11.7	[illegible].9
NNW	1.7	3.7	7.3	1.7	.3							15.7	7.5
VARBL													
CALM												10.[illegible]	
	17.3	34.[illegible]	28.[illegible]	10.[illegible]	.3							1[illegible].[illegible]	5.5

TOTAL NUMBER OF OBSERVATIONS 3[illegible]2

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
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	1.9	2.3	1.3									5.5	4.8
NNE	2.6	4.5	1.9									9.0	4.9
NE		1.6	.6									2.3	5.3
ENE	.3	.6	1.0									1.9	5.6
E	.6	1.6	.6									2.9	5.1
ESE	.6	3.5	1.9	.3								6.5	6.2
SE	1.0	5.8	8.7	2.3	.3							18.1	7.7
SSE	1.6	3.2	9.4	3.9								18.1	8.3
S	1.0	1.0	3.2	1.0								6.1	7.4
SSW	.3	1.9	1.3	.3	.3							4.2	7.6
SW		1.6	1.3	.6								3.5	8.3
WSW		1.0	1.3	.6	.6							3.5	10.3
W		1.6	3.9	1.0								6.5	8.0
WNW		1.0	1.6	.6								3.2	8.6
NW	.6	.6	1.0									2.3	5.4
NNW	1.3	1.3	1.6	.3								4.5	6.0
VARBL													
CALM												1.9	
	11.9	33.2	40.6	11.0	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	1.0	.3	.6	.3							5.8	5.1
NNE	1.0	.3	1.0									2.3	4.7
NE					.3							.3	20.0
ENE	.6		.3									1.0	3.7
E	.6	2.6	.3									3.6	4.7
ESE	1.3	.3	.6									2.3	4.3
SE	1.3	2.3	1.6									5.2	5.6
SSE	1.6	8.4	3.2	1.6								14.9	6.2
S	5.5	13.3	5.2			.3						24.3	5.1
SSW	1.9	3.2	1.6	.3								7.1	5.2
SW		2.6	.3		.3							3.2	7.0
WSW	.6	1.3	1.6									3.6	5.9
W	.3	1.3	1.9	.3								3.9	6.6
WNW	.3	1.6	1.3					.3				3.6	8.5
NW	1.3	1.0	.6									2.9	4.3
NNW	2.6	1.3	.3	.3								4.5	4.1
VARBL													
CALM												11.7	
	22.7	40.5	20.4	3.2	1.0	.3		.3				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	4.7	2.0								9.4	5.4
NNE	1.7	1.3	3.3	.3								6.4	6.2
NE	.7	2.0	.7	.7								3.7	6.5
ENE	.7	1.0	1.3	.3								3.3	7.0
E	.3	1.3	.7	.3								2.7	6.5
ESE	.7	.7	1.3									2.7	5.9
SE		2.0	.7									2.7	6.0
SSE		1.0	1.0	.3								2.3	7.3
S	1.0	1.0	2.0	.7	.3							5.0	8.3
SSW	.7		1.7	2.7								4.7	10.4
SW	.7	1.0	2.0	3.0								6.7	9.1
WSW	1.0	1.7	1.7	2.7								7.0	8.7
W	1.3	1.7	5.4	1.3	.3							10.0	7.6
WNW	.7	2.3	4.0	1.7	.3							9.0	8.7
NW	.3	1.3	2.3	3.3								7.4	9.4
NNW	.7	2.3	6.4	3.0								12.4	9.0
VARBL													
CALM												5.4	
	9.4	22.7	39.1	22.4	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 721	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

13
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.3	4.0	.3								9.7	6.6
NNE	.7	1.7	4.0									6.3	6.6
NE	.3	1.3	1.3									3.0	6.6
ENE	.7	1.0	.3	.7								2.7	6.4
E	.7	2.3	.3									3.3	4.6
ESE	1.0	3.3	.7									5.0	4.9
SE	2.3	2.3	3.7									8.7	5.5

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-92 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
16 — 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	1.7	4.7	1.7	2.0								9.3	6.7
NNE	1.7	2.7	2.0									6.3	4.8
NE	1.7	.7	1.3									3.7	5.0
ENE	.7	1.3	.3	.3								2.7	5.6
E	1.7	.7	.3	.3								2.3	4.9
ESE	1.3	2.7	1.0									5.0	4.6
SE	2.0	5.0	1.7									8.7	5.2
SSE	.7	5.0	5.0	.3								10.7	6.9
S	1.0	2.3	1.7	1.0								6.0	6.9
SSW	.3	1.0	1.7	1.0								4.0	8.3
SW	.3	1.3	2.3	1.0								5.0	8.3
WSW	.3	1.0	3.0	.3								4.7	8.0
W	.7	3.7	2.3	1.0	.3							7.7	7.5
WNW	.7	.7	1.3	2.7	.3							5.7	10.0
NW	.3	1.7	3.0	3.0								8.0	9.1
NNW	1.0	2.3	3.7	2.0								9.0	8.4
VARBL													
CALM												1.7	
	14.7	36.0	32.3	15.0	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

FB 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7		.5									1.3	5.3
NNE	.3	1.3	1.3									2.9	5.4
NE	.6	.6		.3								1.5	4.8
ENE	1.7	1.3	1.3									3.5	5.1
E	2.3	1.6										4.3	3.8
ESE	.5	.3	.6									1.5	3.2
SE	1.7	1.3										3.3	3.7
SSE	.6	.6	.3									1.6	5.2
S	5.0	6.1	.3	.6								12.3	4.1
SSW	3.9	5.5	1.9	.6								11.3	5.4
SW	1.9	5.5	3.9	2.3								13.7	7.0
WSW	2.5	1.3	1.6									5.3	4.6
W	4.9	2.9	1.7									9.5	3.7
WNW	2.2	2.6										5.1	3.4
NW	1.7	1.3	1.3									3.3	5.8
NNW	3.2	1.6	1.9									6.7	4.7
VARBL													
CALM												13.2	
	32.9	34.2	15.9	3.9								100.3	4.2

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
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	1.7	3.7	1.7	.3								7.3	5.4
NNE	.7	1.3	2.3									4.0	6.9
NE	.7	2.0	1.0									3.3	5.9
ENE	.3	.7	.3	.3								1.7	6.4
E	.3	.3	1.0	.7								2.3	8.1
ESE	.7		1.0									1.3	7.5
SE	1.0	2.3	1.3									4.7	5.7
SSE	1.3	2.0	.7	.3								4.3	5.1
S	5.3	4.0	2.3	1.0								12.7	4.9
SSW	3.0	1.7	2.7	.7								8.0	5.8
SW	1.3	.7	1.0	.3								3.3	5.6
WSW	1.3	1.0	.3	.3								3.0	4.9
W	1.7	.7	1.7	1.0								5.0	6.6
WNW	1.0	.3	2.0	.7	.3	.3						4.7	9.1
NW	1.7	2.3	2.7	2.0								8.7	7.3
NNW	1.3	3.0	4.7	.3	.7							10.0	7.6
VARBL													
CALM												16.0	
	22.3	26.0	26.3	8.0	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.7	2.7	1.3								8.7	7.3
NNE	.7	1.7	.3	.3								3.0	5.3
NE	.7	1.7	1.3	.3								4.0	6.3
ENE	.3	1.3	1.7	.7								4.0	7.5
E	.7	.3	.3									1.3	4.3
ESE		.3	1.0									1.3	7.0
SE	1.0	.7	1.3									3.0	5.7
SSE	.7	2.3	.3	.3								3.7	5.3
S	3.3	4.0	2.7	1.3								10.3	5.1
SSW	1.7	2.7	3.0	.3								7.7	6.2
SW	1.0	1.0	2.7	1.7								6.3	8.1
WSW	2.7	1.3	1.0									5.0	4.2
W	1.0	1.7	1.7	1.0								5.3	6.9
WNW	1.0	2.0	3.0	1.7								7.7	7.7
NW	1.0	2.3	1.3	1.7	.3							6.7	7.8
NNW	1.7	5.0	3.0	1.0	.3							11.0	6.7
VARBL													
CALM												11.3	
	17.3	32.0	27.0	11.7	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	.6	1.0								1.9	9.7
NNE	.6	1.6	.6									2.8	5.4
NE	.6	1.6	1.3									3.5	5.6
ENE	.6	1.6	.6	.3								3.2	5.5
E	1.0	1.0	.6									2.6	4.8
ESE	.3	.6	.3	.3								1.6	6.8
SE	.6	.3										1.0	2.7
SSE	.3											.3	3.0
S	4.5	1.9	.6									7.1	3.7
SSW	2.9	3.2	2.3	.6								9.0	5.4
SW	2.3	5.2	5.2	.3								12.9	6.0
WSW	1.6	3.5	1.6	.6								7.4	6.0
W	5.5	4.2	.6									10.3	3.6
WNW	2.6	4.2										6.8	4.0
NW	2.9	1.9	1.0									5.8	4.1
NNW	4.5	2.4	.4									7.7	3.9
VARBL													
CALM												15.8	
	31.0	33.0	16.1	3.2								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	NOV

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 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.[illegible]	3.[illegible]	3.1	1.0								[illegible].[illegible]	6.9
NNE	.[illegible]	1.[illegible]	2.2	.1								[illegible].[illegible]	6.1
NE	.[illegible]	1.7	1.5	.1								3.[illegible]	6.2
ENE	.[illegible]	1.1	.[illegible]	.3								2.7	6.3
E	.7	1.[illegible]	.[illegible]	.2								2.[illegible]	5.4
ESE	.[illegible]	1.2	.[illegible]									2.4	5.4
SE	.[illegible]	1.8	1.2									3.[illegible]	5.5
SSE	.4	1.[illegible]	1.[illegible]	.[illegible]								4.2	6.6
S	1.[illegible]	2.[illegible]	2.[illegible]	.[illegible]	.[illegible]							6.7	6.5
SSW	1.1	1.[illegible]	2.1	1.2								6.1	7.2
SW	.[illegible]	1.2	2.1	1.6		.[illegible]						5.[illegible]	8.1
WSW	1.2	1.[illegible]	2.[illegible]	1.0	.1							5.[illegible]	7.4
W	1.[illegible]	2.7	2.[illegible]	1.3	.1							8.1	7.0
WNW	1.0	1.[illegible]	2.7	1.5	.2	.[illegible]						7.[illegible]	[illegible].1
NW	1.[illegible]	3.2	2.6	2.2	.1	.[illegible]						8.[illegible]	7.9
NNW	1.[illegible]	3.4	3.[illegible]	1.8	.2							10.6	7.7
VARBL													
CALM												8.[illegible]	
	15.[illegible]	30.1	31.6	13.7	.7	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
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	.6	.3									2.3	3.9
NNE	1.0	1.3	1.3									3.5	5.3
NE	.7	2.3	1.0	.3								4.5	6.3
ENE	1.3	4.2	1.3									6.5	5.2
E	.3	1.6	.6									2.6	5.3
ESE	.7	.6	.3									1.3	5.3
SE		.3	.3									.6	7.0
SSE	.6	.3	.3									1.3	4.0
S	2.3	2.6	.6	.3								5.8	4.6
SSW	2.9	2.3	3.2	1.0								9.4	6.3
SW	.6	4.5	3.2	.6								9.0	6.5
WSW	1.9	3.2	3.5									8.7	5.7
W	4.5	7.4	.6									12.5	4.2
WNW	3.5	3.9										7.4	3.6
NW	1.9	4.5	1.6									8.1	4.8
NNW	2.3	3.5	2.6									8.4	5.3
VARBL													
CALM												7.7	
	24.8	43.2	21.9	2.3								100.2	4.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.[illegible]	3.2	1.9	1.0	.3							10.[illegible]	6.1
NNE	.6	.6	1.9									3.2	6.7
NE	.[illegible]	.6	1.[illegible]	.6								2.[illegible]	7.9
ENE	1.3	1.[illegible]	.6									3.[illegible]	4.4
E	1.0	.3	.6									1.9	4.3
ESE	.6	.3	.3									1.[illegible]	4.3
SE	.[illegible]	.6	.6									1.6	6.4
SSE	1.[illegible]	.6	.6	.3								2.9	6.1
S	1.[illegible]	2.3	1.9	1.0								6.5	7.2
SSW	1.6	1.6	1.3	1.3								5.[illegible]	6.7
SW	1.3	2.3	3.5	1.6	.3							9.0	7.[illegible]
WSW	.[illegible]	.6	1.9	1.9	.3							5.[illegible]	10.1
W	1.0	2.[illegible]	1.6	1.0								5.[illegible]	6.4
WNW	.6	2.6	2.6	2.6	.3							8.7	9.1
NW	.6	4.5	2.9	1.3	1.0							10.3	8.2
NNW	1.[illegible]	2.[illegible]	2.9	1.0								7.7	7.1
VARBL													
CALM												13.[illegible]	
	15.[illegible]	27.4	26.[illegible]	13.5	2.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

10 — 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	6.5	2.6									11.6	5.1
NNE	2.9	4.5	.6	.3								8.4	4.5
NE	1.6	1.5	1.3	.3								4.2	5.4
ENE	.6	2.9	1.6	.3								5.5	5.8
E	.5	2.6	.3	.3								3.9	5.2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
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	2.3	3.2	1.3	.3							8.4	7.3
NNE	.3	2.3	.6	1.0								4.3	7.2
NE	.6	2.6		.3								3.6	5.5
ENE	.6	2.9	.3									3.9	4.4
E	1.0	1.3	.3		.6							3.6	7.2
ESE	1.0	.6										1.6	3.6
SE													
SSE	1.0	1.3	1.3	.6								4.2	6.5
S	2.6	1.6	1.0	.3								5.5	4.7
SSW	1.6	1.3	2.6	1.6	.3							7.4	8.2
SW	1.0	2.3	1.6	1.9								6.8	7.5
WSW	1.3	1.3	1.3	.3								4.2	5.8
W	3.9	1.6	1.3	.6								7.4	4.7
WNW	.7	1.6	2.3	1.9	1.0							7.1	10.1
NW	.4	2.8	2.3	2.3	.3							8.4	8.5
NNW	1.6	5.2	3.2	.6		.3						11.0	6.6
VARBL													
CALM												12.6	
	19.1	31.4	21.4	12.6	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

13
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	1.9	4.2	.3									6.5	4.6
NNE	1.9	4.5	1.9	.3								8.7	5.5
NE	1.6	3.2	1.0									5.9	4.8
ENE	.2	2.3	.6		.3							6.5	5.0
E	.6	3.5	.6	.3								5.2	5.3
ESE	1.3	2.6	1.3	.6								5.9	6.0
SE		6.5	6.5	1.9								14.3	7.8
SSE	1.9	1.9	3.2	1.6								7.7	7.9
S		1.3	3.2									4.5	7.8
SSW		1.6	3.2	1.0								5.8	8.2
SW			2.3	1.3								3.5	10.0
WSW	.3	1.6	1.3	1.3								4.5	9.2
W	1.9	1.9	1.6									5.5	5.5
WNW	1.9	3.2	2.6									6.9	6.0
NW		1.3	.6	1.0								2.9	8.4
NNW	1.3	.6	1.6									3.5	5.6
VARBL													
CALM												2.6	
	15.9	40.3	31.6	9.4	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	5.2	.6								7.4	8.1
NNE	.6	3.2	3.5	.3								7.7	5.4
NE		1.9	.3									2.3	5.4
ENE	1.3	1.6	1.3									4.2	5.4
E	1.9	1.6	1.9			.3						5.9	6.3
ESE	1.3	1.9	.3	.3								3.9	4.5
SE	.6	1.3	1.3	.3								3.2	5.9
SSE		.6	1.3	.3								2.3	8.6
S	1.9	1.9	2.3	.3								5.9	6.7
SSW	.6	1.9	1.6	.6	.6	.3						4.5	9.5
SW	1.3	1.6	2.9	3.9								9.4	9.5
WSW	.3	1.3	2.6	2.6								6.9	9.1
W	1.9	.6	2.6	.3								4.5	7.1
WNW	.6	2.6	1.3	1.6	.6	.3						7.1	9.9
NW	1.9	2.6	1.3	5.8	.3							11.9	10.0
NNW	1.3	2.3	3.9	3.5	.3	.3						11.6	9.4
VARBL													
CALM												4.5	
	12.3	26.1	32.9	28.6	1.9	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

16 — 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	4.2	1.6									7.4	5.0
NNE	1.3	4.5	1.6									7.4	5.2
NE	1.3	1.3	.3									2.6	4.5
ENE	1.0	1.6	.6									3.2	4.7
E	2.6	2.6	.6	.3								6.1	4.4
ESE	1.3	3.5	.6	.6								6.1	5.4
SE	1.0	7.7	5.2	2.9								16.8	7.3
SSE	.3	4.8	5.8	3.2								14.2	8.4
S	.6	3.5	1.6	1.0								6.8	6.8
SSW	.3	1.0	2.3	.6								4.2	7.5
SW		1.6	2.6									4.2	6.7
WSW		1.9	1.9	.3								3.2	6.8
W	.6	1.6	1.9									4.2	6.3
WNW	.9	1.0	1.3	.6								3.5	7.5
NW	.6	2.6	1.6									4.8	6.1
NNW	2.6	1.6										4.2	3.5
VARBL													
CALM												1.0	
	15.5	45.2	28.7	9.7								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

13 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	2.6	1.6								7.1	7.9
NNE	1.3	3.9	2.9									8.1	5.0
NE	.7	3.2	.6									4.2	4.9
ENE	1.3	1.3										2.6	3.3
E	1.3	1.0	.6			.7						2.9	6.9
ESE	.7	2.9	1.0									4.2	5.8
SE	.6	1.3	2.9	.3								5.2	7.0
SSE	1.9	1.3	1.3	1.0								4.5	6.7
S		2.6	2.3	1.0								5.9	7.8
SSW	.3	1.9	1.9	1.9	.6							6.9	9.0
SW		.6	1.9	2.9	.6							6.1	11.8
WSW	.3	.6	3.2	2.3								6.5	9.5
W	1.0	1.6	2.3	1.0	.3							6.1	7.9
WNW		1.6	1.3	2.9	.3	.3						6.5	11.2
NW	1.0	1.0	4.5	6.8	.6	.7						14.2	10.8
NNW	.3	1.9	2.9	1.9	.3							7.4	9.3
VARBL													
CALM												1.9	
	9.7	29.7	32.3	23.5	2.9	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-77	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

16 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	2.5	2.3	1.2								8.7	5.0
NNE	1.5	3.2	1.4	.3								6.4	5.6
NE	1.0	1.2	1.2									2.3	4.8
ENE	1.1	1.3										2.5	3.3
E	1.2	.2	.4				.2					3.2	6.5
ESE	1.2	1.3		.3								2.8	5.2
SE	1.1	2.4	1.2	.6								5.	5.3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	72-82	DEC

CLASS: ALL WEATHER

HOURS (L.S.T.): 13

CONDITION:

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

ALL WEATHER
CLASS

22
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	2.3	1.6	1.3								6.5	5.1
NNE	.7	3.2	.6	.3								4.8	6.4
NE	1.9	1.9	1.3	.3								3.4	6.3
ENE	2.3	.6	1.3									3.7	4.3
E	1.9	1.3	.3	.3								2.9	4.9
ESE	.3	.6										1.0	3.7
SE	1.3		1.3									2.3	5.3
SSE	1.3	1.3	1.3	.3								3.9	5.4
S	1.9	2.9	1.9	1.9								7.9	6.2
SSW	1.3	2.3	3.6	.6								7.8	6.7
SW	2.3	1.3	2.3	1.9	.3							8.1	7.7
WSW	1.6	.6	1.9	.3	.3							5.1	6.1
W	1.3	1.9	1.3	.3								3.9	5.8
WNW	1.3	1.3	.6	2.9	.6							6.5	9.9
NW	1.9	2.3	1.3	2.9	.3							5.4	7.9
NNW	1.6	3.2	5.1	1.3								11.7	7.1
VARBL													
CALM												12.3	
	22.7	24.6	25.6	13.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.1	.8	.1								4.5	4.9
NNE	1.3	2.4	.9	.1								4.7	5.0
NE	.9	1.5	.9	.1								3.3	5.4
ENE	1.2	1.8	1.0	.1	.0							4.1	5.3
E	1.1	2.2	.8	.2								4.2	5.1
ESE	.7	1.5	.6	.2								3.1	5.5
SE	.5	2.8	1.9	.8								6.1	6.9
SSE	.9	1.9	1.5	.6								5.0	6.7
S	4.1	4.9	2.1	.3								11.5	4.8
SSW	1.9	3.1	2.6	.6								8.3	6.0
SW	1.2	3.5	2.9	.9								8.4	6.6
WSW	1.3	2.0	1.5	.6								5.4	6.2
W	2.7	2.9	1.4	.0								7.0	4.6
WNW	2.0	2.5	.6	.1								5.2	4.4
NW	1.4	2.1	1.0	.1								4.7	5.1
NNW	2.7	1.9	1.2	.1								5.9	4.6
VARBL													
CALM												8.8	
	25.2	39.1	21.9	5.0	.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 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	1.6	2.0	2.7	1.0	.1							8.1	6.6
NNE	.3	2.3	2.[illegible]	.4								5.6	6.4
NE	.7	1.[illegible]	.[illegible]	.3								3.3	5.9
ENE	1.2	1.4	.4	.1								3.1	4.5
E	1.1	1.[illegible]	.6	.1	.1	.1	.0					3.0	6.0
ESE	.[illegible]	1.[illegible]	.[illegible]	.1								2.2	4.8
SE	.2	.9	1.[illegible]	.2	.0							2.7	6.2
SSE	1.[illegible]	1.[illegible]	1.[illegible]	.6								4.3	6.5
S	1.7	2.[illegible]	1.[illegible]	.6								6.7	6.0
SSW	1.1	1.[illegible]	1.9	1.4	.2	.1						6.2	7.9
SW	.[illegible]	1.[illegible]	2.[illegible]	2.[illegible]	.2							6.9	8.6
WSW	.[illegible]	1.1	2.[illegible]	1.3	.1							5.4	7.8
W	1.4	1.[illegible]	1.0	.6	.1							5.[illegible]	6.3
WNW	.[illegible]	1.[illegible]	1.[illegible]	2.4	.5	.1						7.2	10.0
NW	1.0	2.2	2.[illegible]	3.5	.5	.1						9.6	9.4
NNW	1.[illegible]	3.[illegible]	3.4	1.7	.2	.1						10.3	7.[illegible]
VARBL													
CALM												9.7	
	17.4	28.1	26.2	16.0	2.0	.4	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2477

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.3	.7									1.0	7.7
NNE	.7	1.3	2.0	.7								4.7	7.7
NE	1.0	3.7	1.7									6.3	5.5
ENE	.7	2.0	1.3									4.0	5.2
E	1.7	1.7	1.0	.3								4.7	4.9
ESE	.7	1.7	.3									2.7	5.0
SE	.7	2.0	.3	.3								3.0	5.8
SSE	1.0	2.0	.7	.3								4.0	5.3
S	3.3	2.3		.7	.7							7.0	5.5
SSW	3.3	4.0	2.0	.7								10.0	5.3
SW	2.7	3.0	3.0	.3								9.0	5.6
WSW	2.0	2.7	1.7									6.3	4.9
W	3.3	2.0	.7									6.0	3.7
WNW	2.3	.3	1.0	.3								4.0	4.8
NW	2.0	3.0	2.0									7.0	4.9
NNW	2.0	2.3	1.0	.3								5.7	4.8
VARBL													
CALM												14.7	
	27.0	34.3	19.3	4.0	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.1	.6	.0	.0						6.6	6.3
NNE	.9	2.2	1.6	.3	.0							5.2	6.1
NE	.7	1.8	1.[illegible]	.2	.0		.0					3.8	5.9
ENE	.8	1.3	.[illegible]	.2	.0	.0						3.1	5.6
E	.9	1.5	.9	.2	.0	.0	.0					3.5	5.6
ESE	.6	1.5	.8	.1	.0	.0						3.1	5.7
SE	.8	2.1	2.1	.6	.0	.0						5.7	6.8
SSE	1.0	2.4	2.4	1.0	.0	.0						6.9	7.1
S	2.1	3.0	2.0	.7	.0	.0						7.8	6.0
SSW	1.2	1.8	2.0	1.1	.1	.0						6.1	7.2
SW	.9	1.8	2.2	1.3	.1	.0	.0					6.3	7.7
WSW	.8	1.4	1.7	.8	.1	.0						4.9	7.5
W	1.[illegible]	2.2	1.[illegible]	.7	.1	.[illegible]	.0					6.2	6.5
WNW	1.3	1.[illegible]	1.7	1.3	.3	.1	.0	.0				6.5	7.8
NW	1.[illegible]	2.1	2.2	2.0	.3	.0	.0					7.9	6.2
NNW	1.5	2.6	2.7	1.1	.1	.0	.0					8.0	7.1
VARBL													
CALM												8.4	
	17.8	32.1	27.8	12.4	1.3	.2	.0	.0				100.2	6.3

TOTAL NUMBER OF OBSERVATIONS 29197

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

72221	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

04 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7		.7								1.7	5.4
NNE	1.0	.3	2.7	.7								4.7	7.0
NE	3.0	2.7	1.7	.3								6.7	5.6
ENE	1.7	3.7	1.									6.7	4.7
E	1.7	2.0	1.7	.3								5.3	5.9
ESE	.7	1.3	1.0									2.7	6.0
SE	1.0	1.0	.7	.3								3.0	6.0
SSE	.3	.7		.3								1.3	5.0
S	3.3	1.0		.3								3.7	4.3
SSW	1.0	2.0	1.7	1.0								5.7	7.3
SW	3.0	3.3	2.0									8.3	5.0
WSW	3.0	1.0	1.7	.3								4.7	5.0
W	5.7	3.3	.7									9.3	3.5
WNW	2.7	2.3		.3								5.3	4.1
NW	4.3	4.0	1.3	1.0								10.3	4.9
NNW	1.0	3.3	1.7									6.0	5.3
VARBL													
CALM												15.0	
	30.0	32.7	17.0	5.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (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 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	3.7	4.3	1.3	.2							11.5	6.6
NNE	1.7	3.9	4.3	1.1	.0							10.9	6.7
NE	1.3	2.3	2.2	.8	.0		.0					7.3	6.6
ENE	1.1	2.3	2.3	.7	.1							6.5	6.7
E	1.0	2.9	1.[illegible]	.7	.2	.[illegible]	.0					6.5	6.8
ESE	.[illegible]	2.1	1.4	.3	.0	.[illegible]						4.7	6.2
SE	.[illegible]	2.[illegible]	2.4	.6	.1	.[illegible]						6.1	7.0
SSE	.[illegible]	1.5	1.6	1.2	.1	.0						5.3	7.8
S	1.[illegible]	1.9	1.[illegible]	.8	.2	.[illegible]						5.[illegible]	7.2
SSW	.[illegible]	1.4	1.3	.8								4.1	7.2
SW	.[illegible]	1.[illegible]	1.[illegible]	.6	.1							3.[illegible]	7.4
WSW	.[illegible]	.8	1.[illegible]	.3	.1	.[illegible]						2.6	7.3
W	1.3	1.[illegible]	1.[illegible]	.2	.1							4.5	5.5
WNW	1.1	1.3	.6	.2	.[illegible]			.0				3.[illegible]	5.5
NW	1.2	1.[illegible]	1.[illegible]	.6	.1	.[illegible]						4.[illegible]	7.0
NNW	1.2	1.[illegible]	1.[illegible]	.2								5.1	5.9
VARBL													
CALM												8.1	
	17.4	32.[illegible]	29.7	10.4	1.3	.2	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3079

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 7 2 1	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	1.[illegible]	1.[illegible]									4.[illegible]	4.8
NNE		2.3	1.[illegible]	.3								3.7	6.9
NE	.7	4.3	2.[illegible]	.3								7.[illegible]	6.0
ENE	2.7	3.[illegible]	1.7									7.3	4.7
E	1.[illegible]	2.7	2.3									6.[illegible]	5.9
ESE		.7	.3									1.[illegible]	6.0
SE		.7	1.[illegible]	.3								1.7	8.2
SSE	.7	.7		.7								2.[illegible]	7.0
S	2.[illegible]	1.0	1.[illegible]	.7								4.7	5.8
SSW	2.7	2.3	1.[illegible]									6.3	4.5
SW	.7	3.3	2.[illegible]	.7	.3							7.[illegible]	7.1
WSW	1.[illegible]	1.7	2.7									5.3	6.1
W	4.[illegible]	3.7	1.[illegible]									8.7	3.9
WNW	4.[illegible]	3.3	.7	.3								8.3	3.0
NW	2.[illegible]	1.3	3.[illegible]	1.[illegible]								7.3	6.2
NNW	1.3	3.[illegible]	2.3	.3								7.[illegible]	5.6
VARBL													
CALM												12.3	
	25.0	34.7	27.3	4.7	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NOCD, Federal Building
Asheville, N. C.

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 3-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.

Beginning in July 1948 for Air Force stations and January 1949 for NWS 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.

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 10 (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	2.0	4.7	3.0	.3								9.3	5.6
NNE	1.7	5.7	2.3	.3								9.7	5.6
NE	.3	4.	1.3	.3								6.3	5.7
ENE	.3	2.3	2.7	.3								4.7	6.3
E	1.7	5.0	1.7									8.3	5.3
ESE	2.0	3.7	1.3	.3								7.3	5.3
SE	.7	2.3	1.3	1.0								4.7	7.7
SSE	.3	1.3	1.3									2.7	5.6
S	.7	1.3	1.7	.7								4.3	7.3
SSW	.3	1.7	2.3	1.7								5.7	8.2
SW	.3	2.3	1.7	1.0								5.3	7.4
WSW	.7	2.3	2.3	.7	.3							6.7	7.3
W	1.3	1.7	1.3	.3								4.7	5.7
WNW	.3	3.0	2.7	.7								6.7	7.0
NW		3.3	2.0	1.3								6.7	7.3
NNW	.7	1.3	1.7	.3								4.0	6.9
VARBL													
CALM												2.7	
	12.3	46.7	28.7	9.3	.3							100.3	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

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

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

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 13 (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	1.7	3.0	3.7									8.4	6.3
NNE	.7	6.0	2.3									9.0	5.7
NE	1.7	3.7	1.0									6.4	5.5
ENE	.7	1.7	2.3									4.7	5.9
E	1.7	3.0	.3	.3	.3							5.4	5.9
ESE		4.3	1.7									6.0	6.5
SE	1.0	5.7	4.3	1.7								12.7	7.1
SSE	.7	4.7	3.3	2.0	.3							11.0	7.6
S		2.7	2.0	.7								5.4	7.6
SSW	.7	1.7	2.0	2.0								6.4	8.3
SW		.7	1.0	.3								2.0	8.2
WSW	.7	1.7	1.0	.7								3.7	6.9
W	1.0	1.7	1.0	.7								4.3	6.2
WNW	1.7	1.3	1.7	.7								4.7	7.0
NW	.7	1.7	1.7	1.3								5.0	7.4
NNW		2.3	2.0	.3	.3							5.0	7.3
VARBL													
CALM												.7	
	10.7	45.5	31.4	10.7	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

PART D SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

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

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	2.0									3.3	6.6
NNE	1.7	1.0	1.7	.3								4.0	6.1
NE		1.3	.3	1.0								2.7	8.8
ENE	1.7	1.0	2.7	.3								5.3	6.7
E	.7	3.0	1.0									4.3	6.0
ESE	.7	2.3	4.0									7.0	6.4
SE	.7	1.7	.7	.7								3.7	6.1
SSE	1.7	1.3	.7	.3		.7						4.3	6.5
S	5.3	5.7	2.7	.3								14.0	4.7
SSW	2.7	4.0	2.0	.3								9.0	5.0
SW	3.7	3.3	2.7									9.7	4.8
WSW	1.0	2.0	1.0	.3								4.3	5.2
W	1.0	1.7	.7	.3								3.7	5.5
WNW	1.0	.7	1.0									2.7	5.8
NW	1.7	2.0	.7	.3								4.7	4.8
NNW	2.7	1.7	.7	.3	.3							5.7	5.2
VARBL													
CALM												12.0	
	25.0	33.7	24.0	4.7	.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

01 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	50.7	51.1	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	.3	55.3	56.0	56.0	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	.3	58.9	59.9	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	.3	59.6	60.5	60.5	60.8	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	.3	66.0	67.0	67.0	67.3	67.6	67.6	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	.3	67.1	68.0	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	.3	67.1	68.3	68.3	68.6	68.9	68.9	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	.3	68.6	69.6	69.6	69.9	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	.3	69.9	70.9	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	.3	71.8	72.8	73.1	73.8	74.1	74.1	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	.3	72.6	74.1	74.4	75.1	75.4	75.4	75.4	75.4	75.7	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	.3	73.8	75.4	76.1	77.0	77.4	77.4	77.4	77.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	.3	74.1	76.1	77.0	78.0	78.3	78.3	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	.3	75.7	78.0	79.0	79.9	80.3	80.3	80.3	80.3	80.9	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	.3	76.7	79.0	79.9	80.9	81.2	81.2	81.2	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1500	.3	77.4	79.6	80.6	81.9	82.2	82.5	82.5	82.5	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	.3	77.7	79.9	80.9	82.5	82.9	83.2	83.2	83.2	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	.3	78.3	80.6	81.6	83.8	84.5	85.1	85.1	85.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	.3	78.6	80.9	82.2	84.8	85.4	86.1	86.1	86.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	.3	79.1	81.2	82.9	85.8	86.4	87.1	87.1	87.1	88.0	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	.3	79.6	81.9	83.5	86.4	87.1	87.7	87.7	87.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	.3	80.3	82.5	84.1	87.4	88.0	89.3	89.3	89.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 500	.3	80.6	82.9	84.8	89.0	90.0	91.3	91.6	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	.3	80.6	83.2	85.4	90.0	91.3	92.6	92.9	92.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	.3	80.6	83.2	85.8	90.6	91.9	93.9	94.2	94.5	95.8	96.4	96.4	96.4	96.8	96.8	97.1
≥ 200	.3	80.6	83.2	85.8	90.6	91.9	94.2	94.5	94.8	96.1	96.8	96.8	97.1	97.4	97.4	98.1
≥ 100	.3	80.6	83.2	85.8	90.6	91.9	94.5	94.8	95.2	96.4	97.1	97.1	97.7	98.1	98.4	99.7
0	.3	80.6	83.2	85.8	90.6	91.9	94.5	94.8	95.2	96.4	97.1	97.1	97.7	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]21	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.[illegible]	1.7	.1								4.[illegible]	5.5
NNE	1.1	2.[illegible]	1.[illegible]	.3								6.[illegible]	5.9
NE	1.[illegible]	3.3	1.3	.3								5.[illegible]	5.7
ENE	1.1	2.2	1.[illegible]	.3		.[illegible]						5.4	6.0
E	1.2	2.7	1.[illegible]	.2	.0							5.[illegible]	5.6
ESE	.[illegible]	2.2	1.3	.1								4.[illegible]	6.0
SE	.6	2.3	2.[illegible]	.8	.0							5.6	7.1
SSE	1.3	2.6	2.[illegible]	.8	.0	.0						6.7	6.5
S	2.8	3.3	1.[illegible]	.7	.1							8.[illegible]	5.4
SSW	1.7	2.3	1.7	.8								6.3	6.0
SW	1.[illegible]	2.5	1.6	.3	.0							6.0	5.7
WSW	1.[illegible]	1.7	1.4	.3	.0							4.4	5.9
W	2.3	2.1	.[illegible]	.2								5.4	4.5
WNW	1.7	1.6	1.3	.4								5.[illegible]	5.5
NW	1.4	2.3	1.6	.8								6.[illegible]	6.0
NNW	1.3	2.3	1.3	.3	.1							5.[illegible]	5.6
VARBL													
CALM												9.4	
	21.7	37.6	24.3	6.6	.4	.1						100.[illegible]	5.3

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND [illegible] JAN

STATION | STATION NAME | YEARS | MONTH

24

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	50.	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.3	55.7	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	.3	55.7	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	.3	55.7	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	.3	55.7	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	.3	56.0	56.3	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	.3	59.6	60.2	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	.3	60.2	60.8	61.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	.3	66.3	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	.3	68.6	69.3	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	.3	68.6	69.3	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000	.3	69.6	70.2	70.9	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	.3	71.3	72.5	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	.3	72.5	73.8	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	.3	73.1	74.4	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	.3	74.1	75.7	77.7	79.0	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
≥ 2500	.3	75.1	77.0	79.0	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2
≥ 2000	.3	76.1	78.0	79.9	81.2	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2
≥ 1800	.3	76.1	78.0	79.9	81.2	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2
≥ 1500	.3	76.4	78.3	80.9	82.2	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2
≥ 1200	.3	76.7	78.6	81.6	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.5
≥ 1000	.3	77.4	79.6	83.5	85.4	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1
≥ 900	.3	77.4	79.6	83.5	85.4	85.8	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	87.4
≥ 800	.3	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	88.0	88.0	88.0	88.4	88.4	88.4	89.2
≥ 700	.3	77.7	80.3	84.5	86.7	87.4	88.0	88.0	88.0	88.7	88.7	88.7	89.0	89.0	89.0	90.1
≥ 600	.3	78.0	80.6	84.8	87.4	88.0	88.7	88.7	88.7	89.3	89.3	89.3	89.6	89.6	89.6	90.4
≥ 500	.3	78.3	80.9	85.4	88.7	89.3	90.6	90.6	90.6	91.3	91.3	91.3	91.6	91.6	91.6	92.4
≥ 400	.3	78.3	81.2	85.8	90.0	91.3	92.9	92.9	92.9	93.5	93.5	93.5	94.2	94.2	94.2	95.2
≥ 300	.3	78.3	81.2	85.8	90.6	91.9	93.5	94.5	94.5	95.8	95.8	95.8	96.4	96.4	96.4	97.7
≥ 200	.3	78.3	81.2	85.8	90.6	91.9	93.5	94.5	94.5	95.8	96.1	96.4	97.1	97.1	97.4	98.7
≥ 100	.3	78.3	81.2	85.8	90.6	91.9	93.5	94.5	94.5	95.8	96.1	96.4	97.7	97.7	98.1	99.4
≥ 0	.3	78.3	81.2	85.8	90.6	91.9	93.5	94.5	94.5	95.8	96.1	96.4	98.1	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
272.	PATUXENT RIVER, MARYLAND	73-82	OCT

CLASS: ALL WEATHER

HOURS (L S T): 01

CONDITION:

SPEED (KNTS) DIR.	1 - 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	.6	3.2	.3								5.2	7.3
NNE	1.6	1.6	1.9	.3								5.5	5.7
NE	.3	1.9	.6	.3								3.2	6.0
ENE		2.3	2.3									4.9	6.7
E	1.0	.6	1.9									3.5	5.8
ESE	.7	.3	1.3	.3								2.3	7.6
SE		1.0	.3	.3								1.6	7.2
SSE	.3	.3	.6									1.3	6.8
S	1.6	2.3	2.3									6.1	5.5
SSW	3.2	2.9	1.9	1.0								9.0	5.3
SW	3.2	1.9	2.9	.6								8.7	5.6
WSW	.6	1.6	1.3	.3								3.9	6.1
W	1.3	2.9	2.6	.3	.3							7.4	6.3
WNW	.6	3.9	1.9	1.6								8.1	7.4
NW	2.9	2.9	1.9	.3								8.1	5.3
NNW	1.6	2.3	3.2	.6								7.7	6.4
VARBL													
CALM												13.5	
	19.7	29.7	30.3	6.5	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT [illegible], MARYLAND — 73-82 (YEARS) — JAN (MONTH)

STATION — STATION NAME

07 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	44.5	44.5	44.8	44.8	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000		51.9	52.2	53.2	53.9	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000		[illegible]	56.8	57.1	58.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000		[illegible]	56.8	57.1	58.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000		[illegible]	64.8	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000		[illegible]	65.8	66.5	67.4	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000		[illegible]	66.8	67.4	68.4	68.4	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000		66.1	68.7	69.4	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500		[illegible]	71.9	72.6	73.9	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.5
≥ 4000		71.7	73.6	74.5	75.8	75.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
≥ 3500		[illegible]	73.8	74.5	75.8	75.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
≥ 3000		71.3	74.3	75.8	77.4	77.7	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0
≥ 2500		72.3	75.5	77.1	78.7	79.0	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
≥ 2000		72.9	76.1	78.1	79.7	80.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3	81.3
≥ 1800		72.9	76.1	78.4	80.0	80.3	81.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6
≥ 1500		73.9	77.1	79.7	81.6	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥ 1200		74.8	78.1	81.7	83.6	83.9	83.2	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.5	84.5
≥ 1000		74.8	78.4	81.6	83.6	84.2	84.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	86.1	86.1
≥ 900		74.8	78.4	81.9	83.9	84.8	85.1	86.1	86.1	86.8	86.8	86.8	86.8	86.8	87.1	87.1
≥ 800		74.8	78.4	81.9	84.2	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 700		74.8	78.7	82.9	85.2	86.1	86.8	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.4	88.4
≥ 600		74.8	78.7	82.9	85.8	86.8	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.4	89.4
≥ 500		75.1	79.4	83.6	86.8	87.7	88.7	89.7	89.7	90.3	90.3	90.3	90.3	90.7	91.0	91.0
≥ 400		75.3	79.4	83.9	87.7	90.0	91.0	92.3	92.3	92.9	92.9	92.9	92.9	94.2	94.5	94.5
≥ 300		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.6	94.2	94.2	94.2	95.2	95.5	96.5	96.5
≥ 200		75.3	79.4	83.9	87.7	90.3	92.3	93.6	93.9	94.8	94.8	94.8	96.5	96.8	97.7	97.7
≥ 100		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.9	95.2	95.2	95.2	97.4	98.1	99.0	99.4
≥ 0		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.9	95.2	95.2	95.2	97.4	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.?	3.?	3.2	1.0								7.7	7.3
NNE	.6	1.6	1.6	1.0								4.3	7.2
NE	.6	1.3	2.6	.3								4.8	7.0
ENE	1.3	2.3	2.?									5.9	5.7
E	1.3	1.6		.3								3.2	4.9
ESE	.3	.3		.3								1.0	7.3
SE		.?	.3									.6	6.5
SSE	1.3		.?	.3								1.9	4.5
S	2.6	1.9	1.9	.6								7.1	5.5
SSW	1.9	1.6	2.6	.3								6.5	5.7
SW	.6	3.9	1.6	.3								6.5	5.8
WSW	2.3	.3	1.6	.3								4.5	5.4
W	2.6	4.5	1.3	.3	.3							9.0	5.6
WNW	1.6	1.9	3.2	.6								7.4	6.7
NW	1.6	4.2	2.3	1.3								9.4	6.5
NNW	1.?	3.5	2.6									7.4	5.4
VARBL													
CALM												12.3	
	20.3	32.6	27.4	7.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-[illegible] (YEARS) | JAN (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	41.6	43.0	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	.3	49.[illegible]	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	.3	50.[illegible]	52.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	.3	52.6	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	.3	53.2	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	.3	57.7	61.0	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	.3	58.[illegible]	62.3	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	.3	59.7	62.9	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	.3	61.6	64.8	66.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	.7	65.2	69.4	71.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	.7	68.1	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	.7	68.1	71.6	74.5	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	.7	69.7	73.2	76.1	78.1	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	.7	70.0	73.6	76.5	78.4	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	.7	70.7	74.2	77.1	79.0	79.4	80.7	81.0	81.0	81.0	81.3	81.3	1.3	81.3	81.3	81.3
≥ 1800	.7	71.[illegible]	74.5	77.4	79.4	79.7	81.0	81.3	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	.7	71.3	74.8	77.7	87.[illegible]	80.7	81.9	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200	.7	71.[illegible]	75.5	78.4	81.[illegible]	81.6	82.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	.7	71.9	75.8	78.[illegible]	83.6	84.2	85.8	86.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	.7	71.9	75.8	80.7	84.5	85.2	86.8	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	.7	71.9	75.[illegible]	80.7	84.5	85.5	87.1	88.7	88.7	89.[illegible]	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	.7	72.3	76.5	81.6	86.1	87.1	88.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	.7	72.6	76.9	81.9	86.6	87.7	89.4	91.0	91.[illegible]	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	.7	72.9	77.4	83.2	88.1	89.4	91.3	92.9	92.9	93.6	94.2	94.2	94.5	94.5	94.5	94.5
≥ 400	.7	72.9	77.4	83.2	88.1	89.4	91.6	93.2	93.[illegible]	94.2	94.8	94.8	95.2	95.2	95.2	95.2
≥ 300	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	95.2	95.8	95.8	96.5	96.5	96.8	96.8
≥ 200	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	95.8	96.8	96.8	98.4	98.4	99.0	99.0
≥ 100	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.7	100.0
≥ 0	.7	73.2	77.7	83.6	88.7	90.3	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 31[illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	2.3	.6								6.1	6.9
NNE		1.3	1.9	.6								3.5	8.2
NE	1.0	2.9	2.3	.6								6.8	6.4
ENE	1.0	1.9	1.3	1.0	.3							5.5	7.4
E	1.0	1.3	1.6									3.9	5.9
ESE	.3	.3	.3									1.0	5.7
SE			1.0									1.3	7.3
SSE	1.0	2.3		.3								3.5	5.1
S	1.0	.3	1.9	.3								3.5	7.1
SSW	2.9	2.9	1.3	.3								7.4	4.7
SW	1.0	2.3	1.6	.6								5.5	6.1
WSW	2.9	1.9	2.3									7.1	4.5
W	2.6	4.2	1.6	.6								9.0	5.5
WNW	1.3	3.2	2.3	1.9								8.7	6.9
NW	1.9	4.2	2.6	.3								9.0	5.5
NNW	1.3	2.3	4.2	.3								8.1	6.6
VARBL													
CALM												10.3	
	19.7	33.5	28.4	7.7	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | 73-[illegible] | JAN
STATION | STATION NAME | YEARS | MONTH

1[illegible]
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	41.[illegible]	41.[illegible]	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	.7	47.[illegible]	49.2	49.[illegible]	49.8	49.3	49.3	49.[illegible]	49.[illegible]	49.8	49.8	49.8	49.8	49.[illegible]	49.[illegible]	49.[illegible]
≥ 18000	.7	48.[illegible]	49.8	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]
≥ 16000	.7	48.[illegible]	49.8	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]
≥ 14000	.7	48.[illegible]	50.[illegible]	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	.7	50.2	50.[illegible]	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
≥ 10000	1.[illegible]	54.7	56.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	1.[illegible]	55.3	57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	1.[illegible]	60.[illegible]	63.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	1.[illegible]	64.1	67.[illegible]	68.6	68.6	68.9	68.9	[illegible].9	[illegible].9	68.9	68.9	68.9	68.9	68.9	68.9	[illegible].9
≥ 6000	1.[illegible]	64.1	67.[illegible]	68.6	69.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	[illegible].[illegible]	[illegible].[illegible]
≥ 5000	1.[illegible]	[illegible].7	68.6	71.[illegible]	71.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500	1.[illegible]	66.3	69.9	72.2	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	1.[illegible]	66.3	70.5	75.1	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	1.[illegible]	69.6	73.1	75.7	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	1.[illegible]	73.1	76.7	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	1.[illegible]	74.[illegible]	78.6	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000	1.[illegible]	75.4	78.6	82.5	83.5	83.8	83.8	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.[illegible]	75.7	78.9	82.9	83.8	84.1	84.1	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	1.[illegible]	76.4	81.6	84.8	85.8	86.1	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	[illegible].7
≥ 1200	1.[illegible]	77.7	82.5	85.8	86.7	87.1	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	[illegible].7
≥ 1000	1.[illegible]	77.4	82.9	86.1	87.1	87.4	88.[illegible]	88.7	88.7	89.[illegible]	89.[illegible]	89.[illegible]	[illegible].[illegible]	89.3	89.3	[illegible].[illegible]
≥ 900	1.[illegible]	77.4	82.9	86.1	87.1	7.4	88.[illegible]	88.7	89.3	89.3	89.3	[illegible].[illegible]	[illegible].[illegible]	89.3	89.3	[illegible].[illegible]
≥ 800	1.[illegible]	77.4	82.9	86.4	87.7	88.[illegible]	88.7	[illegible].3	89.3	90.[illegible]	90.[illegible]	90.[illegible]	[illegible].[illegible]	90.[illegible]	90.[illegible]	[illegible].[illegible]
≥ 700	1.[illegible]	77.4	83.2	86.7	88.4	89.[illegible]	89.6	90.[illegible]	[illegible].[illegible]	90.9	90.9	90.9	[illegible].[illegible]	91.3	91.3	[illegible].[illegible]
≥ 600	1.[illegible]	77.4	83.2	86.7	88.4	89.3	90.3	91.6	91.6	92.2	92.2	92.2	92.6	92.6	92.6	[illegible].[illegible]
≥ 500	1.[illegible]	77.4	83.2	86.7	88.7	89.6	91.6	[illegible].[illegible]	[illegible].[illegible]	94.2	94.2	94.2	94.5	94.5	94.5	[illegible].[illegible]
≥ 400	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.2	94.2	[illegible].[illegible]	95.2	95.5	95.5	[illegible].[illegible]	95.8	96.1	[illegible].[illegible]
≥ 300	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	94.8	95.2	96.4	96.5	96.8	[illegible].[illegible]	97.7	98.1	[illegible].[illegible]
≥ 200	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	94.8	95.2	96.4	96.8	96.8	[illegible].[illegible]	97.1	98.4	99.4
≥ 100	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	95.2	95.5	96.5	97.1	97.1	[illegible].[illegible]	98.4	99.[illegible]	[illegible].[illegible]
≥ 0	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	95.2	95.5	96.8	97.1	97.1	[illegible].[illegible]	98.4	99.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
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	2.3	3.9	1.3								9.1	7.1
NNE	.3	4.2	2.6	1.6								8.7	7.1
NE	1.3	2.3	2.6	1.3	.3							7.8	7.5
ENE	1.0	2.3	1.3									4.5	5.7
E		1.3	1.6	.6								3.6	7.7
ESE		1.0	1.3									2.6	7.0
SE	.6	.6	1.3									2.6	5.5
SSE	1.3	1.0	.6									2.9	4.4
S	.3	1.3	1.3	1.0								3.9	9.5
SSW	1.3	1.9	1.3	1.3								5.8	6.8
SW		1.3	2.6	1.6	.3							5.9	9.3
WSW	1.0	2.9	1.3	2.3								7.4	7.5
W	1.9	2.6	4.2	.6	.3							9.7	6.8
WNW	.6	1.3	2.6	3.2								7.8	9.5
NW	.3	1.3	3.9	2.9								8.4	9.7
NNW	.6	3.6	2.3	1.6	.3							8.4	7.5
VARBL													
CALM												1.0	
	12.3	31.1	35.7	19.4	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	5.2	2.6	.6								11.9	5.1
NNE	.6	2.9	1.0	.6								5.2	6.3
NE		0.3	1.0	.3								3.5	6.9
ENE	1.3	.3	.3	.3								2.3	4.9
E	.3	.6	1.6	.6								3.2	7.5
ESE	1.3	2.9	.6		.3							5.2	5.8
SE	1.0	3.5	2.9	.6								8.1	6.6
SSE	1.6	3.2	6.1	1.0								11.9	7.2
S	1.0	1.9	2.3	1.3								6.5	7.2
SSW		2.3	.3	.3		.3						3.2	5.1
SW	.6		2.9	.6								4.2	8.4
WSW		1.6	1.6	.6								3.9	7.8
W	.3	1.9	1.9	.3	.6							5.2	8.1
WNW		1.9	2.3	2.3	.3							6.5	9.3
NW	1.9	1.0	2.6	2.6								8.1	8.2
NNW	1.6	1.6	3.2	1.0								7.4	6.9
VARBL													
CALM												3.9	
	15.2	33.2	33.2	13.2	1.3	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

HOURS (LST) 1?

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1	51	52	52	52	52	52	52	52	52	52	52	52	52	
≥ 20000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 18000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 16000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 14000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 12000		57.1	57.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		57.1	57.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		61	61	64	64	64	64	64	64	64	64	64	64	64	64	64
≥ 8000		67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000		67.4	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000		68.1	68.1	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000		68	68	69.4	69.4	69.4	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500		71.7	71.7	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000		72	72	72.9	72.9	73.9	74.5	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500		71.1	71.9	75.2	75.2	75.2	75.8	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000		73.9	77.1	78.4	78.4	78.4	79.0	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500		74.4	77.1	79.7	79.7	79.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000		76.5	79.7	81.3	81.3	81.6	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1800		76.5	79.7	81.3	81.3	81.6	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500		77.1	80.7	82.3	82.6	82.9	84.2	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200		77.1	80.7	82.3	82.6	82.9	84.2	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000		77.7	81.7	83.6	84.2	85.5	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 900		78.1	81.9	84.2	85.8	86.5	87.7	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800		78.1	81.9	84.8	87.1	87.7	89.0	89.4	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700		78.1	82.3	85.5	88.1	88.7	90.3	90.3	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600		78.4	82.3	86.1	89.7	91.0	91.3	91.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500		78.4	82.9	86.1	89.4	90.7	91.9	92.6	93.2	93.9	94.2	94.2	94.2	94.5	94.5	94.5
≥ 400		78.4	82.9	86.1	89.4	90.7	92.3	92.9	93.5	94.2	94.8	94.8	94.8	95.2	95.2	95.2
≥ 300		78.4	82.9	86.1	89.4	90.7	92.5	93.2	94.5	95.2	95.8	95.8	96.1	96.5	96.8	96.8
≥ 200		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	98.7	98.7
≥ 100		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	99.0	99.4
0		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 71?

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
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	1.9	2.3	1.3	.3								6.8	4.6
NNE	1.0	1.0	.6									2.6	4.4
NE	.7	1.0	1.	.6								3.9	7.3
ENE	.6	1.0	1.3									2.9	5.9
E	.7	1.6	2.3	.6								4.6	7.2
ESE	.6	.0		.6								1.9	6.8
SE	1.0	.3	.6									2.9	3.9
SSE	.6	3.2	1.									4.8	5.2
S	3.2	8.4	2.3									15.8	4.8
SSW	2.9	3.5	1.3	.3								8.1	4.9
SW	1.4	1.6	1.0	.3								4.5	5.4
WSW	.3	.6										1.0	3.7
W	1.0	1.9	1.3	.3	.3							4.8	6.7
WNW	.6	1.0	1.6	1.3								4.5	8.1
NW	1.3	1.6	1.6	.6								5.2	6.8
NNW	2.6	2.9	2.6	1.6								9.7	6.4
VARBL													
CALM												15.8	
	27.9	33.5	19.7	6.8	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] 1 | [illegible] | 73-[illegible] | JAN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]2

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]2.2	53.2	[illegible]3.6	53.6	53.9	53.9	[illegible]3.9	[illegible]3.9	53.9	[illegible]3.9	[illegible]3.9	[illegible]3.9	[illegible]3.9	53.9	53.9
≥ 20000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	[illegible]	57.7	59.7	[illegible]9.0	59.0	59.4	59.4	[illegible]9.4	[illegible]9.4	59.4	[illegible]9.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	[illegible]	[illegible]1.9	63.2	[illegible]3.6	63.6	63.9	64.2	[illegible]4.2	[illegible]4.2	64.2	[illegible]4.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	[illegible]	[illegible]2.3	63.6	[illegible]3.9	63.9	64.2	64.5	[illegible]4.5	[illegible]4.5	64.5	[illegible]4.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	[illegible]	[illegible]8.1	69.4	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	[illegible]	68.7	70.0	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	[illegible]	69.4	71.7	71.3	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	[illegible]	70.7	71.9	72.6	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	[illegible]	71.9	73.2	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	[illegible]	73.2	74.5	75.2	75.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	[illegible]	73.5	75.5	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	[illegible]	75.5	77.1	79.0	79.0	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	[illegible]	76.1	78.7	79.7	79.7	80.0	80.7	80.7	80.7	81.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	[illegible]	77.7	80.3	81.6	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1800	[illegible]	77.7	80.3	81.6	82.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	[illegible]	78.7	81.6	[illegible]2.9	83.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	[illegible]	79.7	82.9	[illegible]4.2	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	[illegible]	79.7	82.9	[illegible]4.8	85.5	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	[illegible]	79.7	83.9	[illegible]5.2	85.9	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	[illegible]	79.7	83.9	[illegible]5.5	86.1	86.3	87.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	[illegible]	[illegible]0.7	83.6	86.1	87.1	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	[illegible]	[illegible]0.7	83.9	[illegible]6.5	87.4	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	[illegible]	[illegible]0.7	84.9	[illegible]7.1	87.4	89.4	91.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	[illegible]	[illegible]0.7	84.5	[illegible]7.7	88.1	90.3	91.9	92.3	92.3	93.2	93.9	93.9	93.9	93.9	93.9	93.9
≥ 300	[illegible]	[illegible]1.3	84.5	[illegible]9.1	89.7	91.0	92.3	93.2	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.6	94.5	95.9	96.1	97.1	97.1	97.1	97.1
≥ 100	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.9	95.5	96.8	97.1	98.1	98.4	98.7	99.4
≥ 0	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.9	95.5	96.8	97.1	98.1	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]31[illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 22 (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	1.9	1.6	.3	.6								3.6	5.9
NNE	.6	2.3	1.3	.3	.3							4.9	6.9
NE	1.7	1.9	1.6	.6								4.5	6.4
ENE	.3	1.3	.7	.3								1.9	5.7
E	.6	2.3	2.6									5.2	6.5
ESE	.3	1.3	.3	.3								2.3	6.4
SE	.6	.7	1.0	.3								2.3	6.9
SSE	1.6	1.6	1.3	.3								4.9	5.4
S	2.6	3.9	2.9									9.4	5.1
SSW	3.2	2.3	1.6	.6								7.8	5.5
SW	1.9	2.9	2.9	.3								8.1	5.9
WSW	.7	1.6	1.3									3.2	5.9
W	1.3	1.9	1.3	.6	.3							5.5	6.7
WNW	1.7	2.6	1.6	1.0								6.5	6.5
NW	1.9	1.6	1.9	.3								5.2	5.4
NNW	.6	4.9	3.0	.6								10.0	6.7
VARBL													
CALM												13.9	
	19.7	33.0	26.2	6.5	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1771	PATUXENT RIVER, MARYLAND	73-77	JAN
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	47.1	48.2	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	.4	53.8	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	.4	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	.4	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	.4	53.3	54.6	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	.4	54.0	55.4	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	.5	57.7	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	.5	58.2	59.8	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	.5	63.3	65.1	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	.5	65.1	67.0	67.8	68.1	68.3	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	.5	65.5	67.5	68.3	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	.5	67.1	68.9	69.8	70.3	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	.5	68.7	70.9	72.1	72.6	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	.5	70.4	72.7	74.2	74.8	75.0	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	.5	71.1	73.6	75.2	75.9	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 3000	.5	73.1	75.9	77.6	78.6	78.8	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5
≥ 2500	.6	74.0	76.9	78.8	79.8	80.0	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.8
≥ 2000	.6	75.1	78.2	80.2	81.3	81.5	82.1	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.6	75.3	78.4	80.5	81.5	81.8	82.4	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	.6	76.1	79.3	81.6	82.9	83.2	83.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 1200	.6	76.5	79.9	82.2	83.7	84.0	84.7	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.4
≥ 1000	.6	76.8	80.3	83.2	84.9	85.4	86.4	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥ 900	.6	76.9	80.4	83.4	85.4	86.0	86.9	87.2	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 800	.6	77.0	80.6	83.9	86.2	86.8	87.8	88.2	88.3	88.8	88.9	88.9	88.9	88.9	89.0	89.1
≥ 700	.6	77.2	80.9	84.5	87.0	87.7	88.7	89.1	89.2	89.8	89.9	89.9	90.0	90.0	90.1	90.2
≥ 600	.6	77.4	81.2	84.8	87.6	88.3	89.5	90.0	90.1	90.8	90.9	90.9	91.0	91.0	91.1	91.2
≥ 500	.6	77.6	81.5	85.3	88.5	89.5	91.0	91.6	91.7	92.4	92.7	92.7	92.8	92.9	93.0	93.1
≥ 400	.6	77.6	81.7	85.5	89.1	90.4	92.0	92.9	92.9	93.8	94.2	94.2	94.6	94.6	94.7	94.9
≥ 300	.6	77.7	81.7	85.7	89.4	90.7	92.9	94.1	94.2	95.5	95.9	95.9	96.5	96.6	96.9	97.1
≥ 200	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.3	94.5	95.9	96.5	96.6	97.5	97.7	98.1	98.5
≥ 100	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	96.2	96.8	96.9	98.1	98.3	98.9	99.6
≥ 0	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	96.2	96.8	96.9	98.1	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2476

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-[illegible]	OCT

CLASS: ALL WEATHER — HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	2.3	2.6	.6								7.6	6.7
NNE	.[illegible]	2.2	1.7	.6	.[illegible]							5.[illegible]	6.6
NE	.[illegible]	1.9	1.9	.7	.[illegible]							5.[illegible]	7.1
ENE	.[illegible]	1.7	1.[illegible]	.2	.[illegible]							3.[illegible]	5.9
E	.[illegible]	1.[illegible]	1.6	.3								4.[illegible]	6.4
ESE	.[illegible]	1.3	.[illegible]	.2	.[illegible]							2.[illegible]	6.[illegible]
SE	.[illegible]	1.3	1.1	.2								3.3	6.[illegible]
SSE	1.[illegible]	1.6	1.[illegible]	.4								4.7	6.3
S	1.[illegible]	2.7	2.[illegible]	.7								7.2	6.1
SSW	1.[illegible]	2.3	1.4	.6		.[illegible]						6.[illegible]	5.8
SW	1.1	1.[illegible]	2.1	.[illegible]	.1							5.9	6.9
WSW	.[illegible]	1.3	1.6	.8								4.[illegible]	6.7
W	1.4	2.[illegible]	1.[illegible]	.5	.3							7.[illegible]	6.5
WNW	.[illegible]	2.2	2.[illegible]	1.8	.1							7.[illegible]	7.9
NW	1.[illegible]	2.3	2.5	1.4								7.7	7.2
NNW	1.[illegible]	3.[illegible]	[illegible].[illegible]	.6	.1							[illegible].6	6.7
VARBL													
CALM												8.9	
	17.[illegible]	32.[illegible]	29.5	10.7	.7	.[illegible]						100.[illegible]	6.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	72-92	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.7	57.1	57.1	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000		61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000		61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000		61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000		62.1	63.5	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		62.1	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000		64.9	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000		66.2	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000		68.4	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000		68.4	70.9	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		68.8	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000		70.2	73.1	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500		71.6	75.2	75.5	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000		74.1	77.0	78.7	79.4	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500		74.1	77.0	78.7	79.4	79.8	79.8	80.1	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000		75.5	79.4	80.5	81.2	81.6	81.6	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500		76.9	80.5	81.6	82.3	82.6	82.6	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000		77.4	80.9	81.9	83.0	83.3	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800		77.4	81.2	82.3	83.3	83.7	83.7	84.0	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8
≥ 1500		77.4	81.2	82.3	83.3	83.7	83.7	84.0	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8
≥ 1200		77.4	81.6	82.6	83.7	84.0	84.0	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.9	85.1
≥ 1000		78.7	83.3	84.4	85.8	86.5	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.9
≥ 900		79.1	83.3	85.1	86.9	87.6	87.9	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	89.0
≥ 800		79.1	83.7	85.1	87.2	88.3	89.0	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.4
≥ 700		79.1	83.3	85.5	87.6	88.7	89.4	89.7	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.8
≥ 600		79.1	83.7	86.2	87.9	89.4	90.1	90.4	90.4	90.4	91.1	91.1	91.1	91.1	91.1	91.5
≥ 500		79.4	84.0	86.9	89.1	90.1	90.8	91.1	91.1	91.1	91.8	91.8	91.8	91.8	91.8	92.2
≥ 400		79.4	84.4	87.9	90.4	91.5	92.2	92.9	92.9	92.9	93.6	93.6	93.6	94.0	94.0	94.3
≥ 300		79.8	84.4	87.9	90.8	91.8	92.6	93.3	93.3	93.3	94.3	94.3	94.3	94.7	94.7	95.0
≥ 200		79.8	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	96.1	96.5	96.8	97.2	97.2	97.5
≥ 100		79.8	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	96.1	96.5	96.8	97.2	98.2	98.3
0		79.8	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	96.1	96.5	96.8	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-[illegible]	NOV

CLASS: ALL WEATHER

HOURS (L S T): 01

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	3.[illegible]	3.[illegible]	.7								[illegible]	[illegible]
NNE	.7	1.7	1.[illegible]	.3								3.[illegible]	[illegible]
NE	.[illegible]	3.[illegible]	2.[illegible]									[illegible]	[illegible]
ENE		1.	1.[illegible]									2.[illegible]	[illegible]
E		1.[illegible]	.[illegible]									1.[illegible]	[illegible]
ESE	.[illegible]	1.[illegible]	.[illegible]									[illegible]	[illegible]
SE	1.[illegible]	.[illegible]										1.[illegible]	[illegible]
SSE	.3	1.[illegible]	1.[illegible]									2.7	[illegible]
S	1.[illegible]	1.3	2.7	.3								[illegible]	[illegible]
SSW	.7	4.[illegible]	1.7	2.[illegible]								[illegible]	7.1
SW	.[illegible]	1.[illegible]	2.7	1.7								5.7	8.4
WSW	1.7	1.3	3.[illegible]	1.7								7.7	7.3
W	[illegible].3	3.[illegible]	2.3	[illegible].[illegible]								[illegible].7	[illegible]
WNW	.7	[illegible].[illegible]	3.[illegible]	1.[illegible]								[illegible]	7.[illegible]
NW	1.[illegible]	3.7	[illegible].[illegible]	1.[illegible]	.3							[illegible].[illegible]	7.1
NNW	.7	[illegible].3	3.[illegible]	1.3								8.7	7.3
VARBL													
CALM												10.3	
	13.0	33.0	31.[illegible]	12.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: [illegible]0

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-82 | FEB

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.[illegible]	53.2	54.3	54.6	54.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000		[illegible].5	60.6	61.7	62.1	62.1	62.1	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000		58.9	61.[illegible]	62.1	62.4	62.4	62.4	62.6	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 16000		58.9	61.[illegible]	62.1	62.4	62.4	62.4	62.8	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 14000		59.2	61.4	62.4	62.9	62.6	62.8	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000		59.2	62.1	63.1	63.5	63.5	63.5	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		64.2	67.0	68.1	68.4	68.4	68.4	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000		64.5	67.4	68.4	68.8	68.8	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000		69.4	71.3	72.3	72.7	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000		69.4	71.3	72.3	72.7	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000		69.2	72.[illegible]	73.1	73.4	73.8	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000		70.2	73.4	74.5	74.8	75.2	75.2	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500		71.3	74.5	75.5	75.9	76.2	76.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000		72.0	75.2	76.6	77.0	77.3	77.3	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500		73.1	76.2	77.7	78.0	78.4	78.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		73.8	77.7	79.1	79.4	79.8	79.8	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500		74.3	78.7	80.1	80.9	81.2	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		75.9	80.5	81.9	82.6	83.3	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800		75.9	80.5	81.9	82.6	83.3	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500		76.3	81.2	82.6	83.3	84.0	84.4	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200		77.1	81.9	83.3	84.4	85.1	85.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		77.3	82.3	83.7	84.8	85.5	86.2	86.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900		77.7	83.3	84.4	85.5	86.3	86.9	87.9	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.[illegible]
≥ 800		78.7	84.0	85.5	86.5	87.2	87.9	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700		78.7	84.0	85.5	86.9	87.6	88.3	89.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600		79.4	84.9	86.2	87.6	88.3	89.4	90.4	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500		79.4	84.9	86.2	87.6	88.3	89.7	91.1	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400		79.8	85.1	86.5	87.3	89.4	91.1	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300		79.3	85.1	86.5	87.3	89.4	91.5	93.3	93.3	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 200		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.4	95.7	95.7	95.7	95.7	96.1	96.1
≥ 100		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.7	96.1	96.1	97.2	97.5	97.9	99.3
≥ 0		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.7	96.1	96.1	97.2	97.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND [illegible] FEB

STATION STATION NAME YEARS MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	50.0	50.4	51.1	52.1	52.8	53.2	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	.4	57.5	58.5	59.9	61.4	62.1	62.4	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	.4	61.0	62.8	64.2	65.6	66.3	66.7	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.4	61.4	63.1	64.5	66.0	66.7	67.0	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	.4	64.2	66.7	68.4	69.9	70.9	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	.4	65.6	68.4	70.2	71.6	72.7	73.1	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000	.4	66.0	68.8	70.6	72.0	73.1	73.4	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	.4	66.3	69.2	70.9	72.3	73.4	73.8	74.1	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	.4	67.7	70.6	72.3	73.8	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	.4	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	.4	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	.4	70.2	73.1	74.8	77.3	78.7	79.4	79.8	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	.4	70.2	73.1	74.8	77.7	79.4	80.1	80.5	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	.4	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.4	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	.4	72.0	74.8	77.0	79.8	81.6	82.3	82.6	83.0	83.7	84.0	84.0	84.0	84.0	84.4	84.4
≥ 1200	.4	72.7	75.5	78.0	81.2	83.0	83.7	84.0	84.4	85.1	85.5	85.5	85.5	85.5	85.9	85.8
≥ 1000	.4	72.7	75.5	78.4	81.6	83.3	84.4	84.8	85.1	86.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 900	.4	73.1	75.9	78.7	81.9	83.7	84.8	85.1	85.5	86.5	87.6	87.6	87.6	87.6	87.9	87.9
≥ 800	.4	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.7	88.7
≥ 700	.4	73.4	76.2	79.1	82.3	84.0	85.1	85.8	86.5	87.9	89.0	89.0	89.0	89.0	89.4	89.4
≥ 600	.4	73.4	76.6	79.4	82.6	84.8	86.2	86.9	87.6	89.0	90.1	90.1	90.1	90.1	90.4	90.4
≥ 500	.4	73.4	76.6	79.8	83.3	85.8	87.6	88.3	89.0	90.4	91.5	91.5	91.5	91.5	91.8	91.8
≥ 400	.4	73.4	76.6	80.1	83.7	86.2	88.3	89.0	89.7	91.1	92.2	92.2	92.2	92.6	93.3	93.3
≥ 300	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.1	90.8	92.6	93.6	93.6	94.0	94.0	94.7	95.0
≥ 200	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.0	95.0	96.1	96.4
≥ 100	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.4	95.7	97.5	100.0
≥ 0	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.4	95.7	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PATUXENT RIVER, MARYLAND 73-82 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER 07
CLASS HOURS (L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.	4.	.7								8.3	5.5
NNE		[illegible]	2.									4.	7.
NE	.7	1.7	2.3									4.3	6.7
ENE	.7	1.7	.7									3.1	5.1
E	.7	2.	.7	.3								3.	5.5
ESE	.	.7	.7									1.	5.
SE		.7	.7									1.	6.0
SSE		1.	1.	.3								2.	7.
S	1.7	1.7	.7	.7								4.1	6.4
SSW	1.	1.7	2.3	.7								6.	6.7
SW	1.	1.7	2.	1.7								6.	7.7
WSW	1.7	3.	1.7	.7	.3							7.3	6.5
W	2.7	4.3	2.	1.L								10.	5.9
WNW	2.	1.7	2.3	1.3								7.3	6.
NW	2.3	1.	3.	1.3								7.7	6.9
NNW	2.3	4.7	3.7	1.								11.7	6.2
VARBL													
CALM												12.7	
	19.3	29.7	28.7	9.7	.3							100.	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-82 FEB

STATION STATION NAME YEARS MONTH

10

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	48.2	49.3	49.7	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	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	1.[illegible]	58.2	59.6	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	1.8	59.6	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	1.8	62.4	64.2	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	1.[illegible]	63.1	64.9	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.[illegible]	67.7	70.2	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	1.[illegible]	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	1.[illegible]	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	1.[illegible]	69.5	72.7	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	1.[illegible]	70.6	73.8	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.8	71.6	75.2	75.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	1.[illegible]	73.1	76.6	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.[illegible]	75.2	78.7	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	1.8	75.5	79.1	79.8	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	1.[illegible]	75.5	79.1	80.1	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	1.[illegible]	75.5	79.1	80.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	1.[illegible]	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	1.[illegible]	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	1.[illegible]	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	1.8	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6
≥ 800	1.8	76.6	80.5	82.3	85.8	86.9	87.6	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 700	1.[illegible]	77.0	81.2	83.3	86.9	87.9	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.7
≥ 600	1.8	77.0	81.6	83.7	87.2	88.7	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.8
≥ 500	1.8	77.0	81.6	84.0	87.6	89.0	90.4	91.1	91.1	91.8	91.8	91.8	92.6	92.6	92.6	92.9
≥ 400	1.8	77.3	81.9	84.4	87.9	89.4	91.1	92.2	92.2	93.3	93.3	93.3	94.0	94.0	94.3	94.7
≥ 300	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.1	92.9	92.9	94.7	94.7	94.7	95.4	95.4	95.7	96.1
≥ 200	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.5	97.5	97.9	98.2
≥ 100	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.9
≥ 0	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	4.7	2.0								9.4	5.4
NNE	1.7	1.3	3.3	.3								6.4	6.2
NE	.7	2.0	.7	.7								3.7	6.5
ENE	.7	1.0	1.3	.3								3.3	7.0
E	.3	1.3	.7	.3								2.7	6.5
ESE	.7	.7	1.3									2.7	5.9
SE		2.0	.7									2.7	6.0
SSE		1.0	1.0	.3								2.3	7.3
S	1.0	1.0	2.0	.7	.3							5.0	8.3
SSW	.7		1.7	2.7								4.7	10.4
SW	.7	1.0	2.0	3.0								6.7	9.1
WSW	1.0	1.7	1.7	2.7								7.0	8.7
W	1.3	1.7	5.4	1.3	.3							10.0	7.6
WNW	.7	2.3	4.0	1.7	.3							9.0	8.7
NW	.3	1.3	2.3	3.3								7.4	9.4
NNW	.7	2.3	6.4	3.0								12.4	9.0
VARBL													
CALM												5.4	
	9.4	22.7	39.1	22.4	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	52.1	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	52.5
≥ 20000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	1.[illegible]	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	1.[illegible]	66.7	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	1.[illegible]	67.4	68.1	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	1.[illegible]	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	1.[illegible]	70.9	72.3	73.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	1.[illegible]	71.3	72.7	73.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	1.[illegible]	71.5	73.4	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	1.[illegible]	72.0	74.1	74.8	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.[illegible]	73.8	76.2	77.0	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	1.[illegible]	74.1	76.6	77.3	78.7	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.[illegible]	76.2	79.1	79.8	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	1.[illegible]	77.7	80.5	81.2	83.3	84.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	1.[illegible]	79.1	82.3	83.0	85.1	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	1.[illegible]	79.1	82.6	83.3	86.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	1.[illegible]	79.1	82.6	83.3	86.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	1.[illegible]	79.1	82.6	84.4	87.6	89.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	1.[illegible]	79.1	82.6	84.4	88.3	89.7	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	1.[illegible]	79.1	82.6	84.4	89.4	90.8	93.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	1.[illegible]	79.1	82.6	84.4	89.7	91.1	94.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	1.[illegible]	79.1	82.6	84.8	90.4	91.6	95.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	97.2	97.5
≥ 300	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.5	97.9	98.3
≥ 200	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.5	97.5	97.9	98.6	98.9
≥ 100	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.9	97.9	98.6	99.3	100.0
0	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.9	97.9	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.3	4.0	.3								9.7	6.6
NNE	.7	1.7	4.0									6.3	6.6
NE	.3	1.3	1.3									3.0	6.6
ENE	.7	1.0	.3	.7								2.7	6.4
E	.7	2.3	.3									3.3	4.6
ESE	1.0	3.3	.7									5.0	4.9
SE	2.3	2.3	3.7									8.7	5.5
SSE		1.3	2.0	2.0								5.3	8.9
S		.3	3.0	1.3								4.7	9.9
SSW	.3	1.3	2.3	.7								4.7	7.9
SW	.7	.3	2.7	2.0		.3						6.0	9.7
WSW	.3	.7	2.7	1.7	.3							5.7	9.8
W		1.7	3.7	2.0								7.3	9.1
WNW		1.7	3.7	2.3	.3							8.0	9.7
NW		1.0	2.7	3.7		.3						7.7	11.2
NNW	1.3	2.7	3.3	3.7	.3							11.3	9.7
VARBL													
CALM												1.0	
	9.3	27.3	40.3	20.3	1.0	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-92 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
16 — 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	1.7	4.7	1.7	2.0								9.3	6.7
NNE	1.7	2.7	2.0									6.3	4.8
NE	1.7	.7	1.3									3.7	5.0
ENE	.7	1.3	.3	.3								2.7	5.6
E	1.7	.7	.3	.3								2.3	4.9
ESE	1.3	2.7	1.0									5.0	4.6
SE	2.0	5.0	1.7									8.7	5.2
SSE	.7	5.0	5.0	.3								10.7	6.9
S	1.0	2.3	1.7	1.0								6.0	6.9
SSW	.3	1.0	1.7	1.0								4.0	8.3
SW	.3	1.3	2.3	1.0								5.0	8.3
WSW	.3	1.0	3.0	.3								4.7	8.0
W	.7	3.7	2.3	1.0	.3							7.7	7.5
WNW	.7	.7	1.3	2.7	.3							5.7	10.0
NW	.3	1.7	3.0	3.0								8.0	9.1
NNW	1.0	2.3	3.7	2.0								9.0	8.4
VARBL													
CALM												1.7	
	14.7	36.0	32.3	15.0	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	[illegible]1.4	51.8	51.8	[illegible]2.1	[illegible]2.1	52.1	[illegible]2.1	52.1	52.1	52.1	52.1	[illegible]2.1	52.1	52.1	[illegible]2.1
≥ 20000	1.[illegible]	59.9	60.3	60.6	61.4	61.4	61.4	[illegible]1.4	[illegible]1.4	61.4	61.4	61.4	61.4	61.4	61.4	[illegible]1.4
≥ 18000	1.[illegible]	[illegible]9.9	6[illegible].3	60.6	61.4	[illegible]1.4	61.4	[illegible]1.4	[illegible]1.4	61.4	61.4	61.4	[illegible]1.4	61.4	61.4	[illegible]1.4
≥ 16000	1.[illegible]	[illegible]0.3	[illegible]0.6	61.0	61.7	61.7	61.7	[illegible]1.7	[illegible]1.7	61.7	61.7	61.7	[illegible]1.7	61.7	61.7	[illegible]1.7
≥ 14000	1.[illegible]	[illegible]1.0	61.4	61.7	62.4	[illegible]2.4	62.4	[illegible]2.4	[illegible]2.4	62.4	62.4	62.4	[illegible]2.4	62.4	62.4	[illegible]2.4
≥ 12000	1.[illegible]	[illegible]2.4	[illegible]3.1	63.5	64.2	[illegible]4.2	64.2	[illegible]4.2	[illegible]4.2	64.2	64.2	64.2	[illegible]4.2	64.2	64.2	[illegible]4.2
≥ 10000	1.[illegible]	[illegible]3.5	64.2	64.9	65.6	[illegible]5.6	65.6	[illegible]5.6	[illegible]5.6	65.6	65.6	65.6	[illegible]5.6	65.6	65.6	[illegible]5.6
≥ 9000	1.[illegible]	[illegible]3.8	64.5	65.3	66.0	[illegible]6.0	66.0	[illegible]6.0	[illegible]6.0	66.0	66.0	66.0	[illegible]6.0	66.0	66.0	[illegible]6.0
≥ 8000	1.[illegible]	67.4	[illegible]8.8	69.5	70.2	[illegible]0.2	70.2	[illegible]0.2	[illegible]0.2	70.2	70.2	70.2	[illegible]0.2	70.2	70.2	[illegible]0.2
≥ 7000	1.[illegible]	67.7	69.2	69.9	[illegible]0.6	70.6	[illegible]0.9	[illegible]0.9	[illegible]0.9	71.3	71.3	71.3	[illegible]1.3	71.3	71.3	[illegible]1.3
≥ 6000	1.[illegible]	[illegible]8.4	69.9	[illegible]0.6	71.3	[illegible]1.3	71.6	[illegible]1.6	[illegible]1.6	72.0	72.0	72.0	[illegible]2.0	72.0	72.0	[illegible]2.0
≥ 5000	1.[illegible]	[illegible]8.8	[illegible]0.9	71.6	72.3	[illegible]2.3	72.7	[illegible]2.7	[illegible]2.7	73.1	73.1	73.1	[illegible]3.1	73.1	73.1	[illegible]3.1
≥ 4500	1.[illegible]	71.3	74.1	74.8	75.5	[illegible]5.5	75.9	[illegible]5.9	[illegible]5.9	76.2	76.2	76.2	[illegible]6.2	76.2	76.2	[illegible]6.2
≥ 4000	1.[illegible]	72.3	75.2	75.9	76.6	[illegible]6.6	77.0	[illegible]7.0	[illegible]7.0	77.3	77.7	77.7	[illegible]7.7	78.0	78.0	[illegible]7.0
≥ 3500	1.[illegible]	73.1	76.2	77.0	77.7	[illegible]7.7	78.0	[illegible]8.0	[illegible]8.0	78.4	78.7	78.7	[illegible]8.7	79.1	79.1	[illegible]9.1
≥ 3000	1.[illegible]	74.[illegible]	7[illegible].0	79.1	80.5	[illegible]0.5	80.9	[illegible]0.9	[illegible]0.9	81.2	81.6	81.6	[illegible]1.9	81.9	81.9	[illegible]1.9
≥ 2500	1.[illegible]	74.[illegible]	7[illegible].4	79.4	80.9	[illegible]0.9	81.2	[illegible]1.2	[illegible]1.2	81.6	81.9	81.9	[illegible]2.3	82.3	82.3	[illegible]2.3
≥ 2000	1.[illegible]	74.8	79.1	80.5	82.3	[illegible]2.3	82.6	[illegible]2.6	[illegible]2.6	83.0	83.3	83.3	[illegible]3.7	83.7	83.7	[illegible]3.7
≥ 1800	1.[illegible]	74.8	79.1	[illegible]2.9	82.6	[illegible]2.6	83.0	[illegible]3.0	[illegible]3.0	83.3	83.7	83.7	[illegible]4.0	84.0	84.0	[illegible]4.0
≥ 1500	1.[illegible]	75.5	[illegible]0.1	[illegible]1.9	84.0	[illegible]4.0	84.8	[illegible]4.8	[illegible]4.8	85.1	85.5	85.5	[illegible]5.8	85.8	85.8	[illegible]5.8
≥ 1200	1.[illegible]	76.6	81.2	[illegible]3.0	85.5	[illegible]5.5	86.2	[illegible]6.2	[illegible]6.2	86.9	87.2	87.2	[illegible]7.6	87.6	87.6	[illegible]7.6
≥ 1000	1.[illegible]	76.6	81.9	[illegible]3.7	87.6	[illegible]7.9	89.0	[illegible]9.0	[illegible]9.0	89.7	90.1	90.1	[illegible]0.8	90.8	90.8	[illegible]0.8
≥ 900	1.[illegible]	76.6	81.9	[illegible]4.0	88.3	[illegible]8.7	89.7	[illegible]9.7	[illegible]9.7	90.4	90.8	90.8	[illegible]1.5	91.5	91.5	[illegible]1.5
≥ 800	1.[illegible]	76.6	81.9	[illegible]4.0	88.3	[illegible]9.0	90.4	[illegible]0.4	[illegible]0.4	91.1	91.5	91.5	[illegible]2.2	92.2	92.2	[illegible]2.2
≥ 700	1.[illegible]	76.6	[illegible]2.3	[illegible]4.4	[illegible]9.0	[illegible]9.7	91.8	[illegible]2.2	[illegible]2.2	[illegible]2.9	93.3	93.3	[illegible]4.0	94.0	94.0	[illegible]4.0
≥ 600	1.[illegible]	76.6	[illegible]2.3	[illegible]4.4	[illegible]9.4	[illegible]0.1	[illegible]2.2	[illegible]2.6	[illegible]2.6	[illegible]3.3	[illegible]3.6	[illegible]3.6	[illegible]4.3	94.3	94.3	[illegible]4.3
≥ 500	1.[illegible]	76.6	[illegible]3.1	[illegible]5.3	[illegible]0.1	[illegible]0.[illegible]	[illegible]2.9	[illegible]3.3	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]4.7	[illegible]6.1	96.1	96.1	[illegible]6.1
≥ 400	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.3	[illegible]4.0	[illegible]4.3	[illegible]5.0	[illegible]5.4	[illegible]5.4	[illegible]6.8	96.8	96.8	[illegible]7.2
≥ 300	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]5.7	[illegible]6.1	[illegible]6.1	[illegible]7.9	97.9	97.9	[illegible]8.2
≥ 200	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	[illegible]9.3
≥ 100	1.[illegible]	77.[illegible]	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	[illegible]9.7
≥ 0	1.[illegible]	77.0	83.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]92

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

19
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	1.7	3.7	1.7	.3								7.3	5.4
NNE	.7	1.3	2.3									4.0	6.9
NE	.7	2.0	1.0									3.3	5.9
ENE	.3	.7	.3	.3								1.7	6.4
E	.3	.3	1.0	.7								2.3	8.1
ESE	.7		1.0									1.3	7.5
SE	1.0	2.3	1.3									4.7	5.7
SSE	1.3	2.0	.7	.3								4.3	5.1
S	5.3	4.0	2.3	1.0								12.7	4.9
SSW	3.0	1.7	2.7	.7								8.0	5.8
SW	1.3	.7	1.0	.3								3.3	5.6
WSW	1.3	1.0	.3	.3								3.0	4.9
W	1.7	.7	1.7	1.0								5.0	6.6
WNW	1.0	.3	2.0	.7	.3	.3						4.7	9.1
NW	1.7	2.3	2.7	2.0								8.7	7.3
NNW	1.3	3.0	4.7	.3	.7							10.0	7.6
VARBL													
CALM												16.0	
	22.3	26.0	26.3	8.0	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | FEB

STATION | STATION NAME | YEARS | MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.6	55.7	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
≥ 20000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 18000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 16000		59.9	62.1	62.8	62.9	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 14000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 12000		61.4	63.5	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 10000		63.5	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0
≥ 9000		63.3	66.0	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4
≥ 8000		67.4	69.5	70.2	70.6	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 7000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 6000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 5000		69.9	72.3	73.1	73.4	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
≥ 4500		71.3	73.8	74.5	75.9	75.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.0	77.0
≥ 4000		72.3	75.2	75.9	77.7	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7
≥ 3500		73.1	76.9	76.6	79.4	78.4	79.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
≥ 3000		75.5	78.7	79.8	81.9	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
≥ 2500		77.0	80.1	81.2	83.3	83.3	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8	84.8
≥ 2000		77.7	81.2	82.3	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
≥ 1800		77.7	81.2	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5
≥ 1500		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1200		78.0	81.6	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1000		78.2	81.9	84.0	87.2	87.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
≥ 900		78.2	81.9	84.0	87.2	87.2	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.7	89.7
≥ 800		78.2	81.9	84.4	87.6	87.6	89.1	.4	89.4	90.8	90.4	90.4	90.8	90.8	91.1	91.1
≥ 700		78.9	82.6	85.1	88.3	88.3	91.8	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.8	91.8
≥ 600		78.9	82.6	85.1	88.7	88.7	91.5	91.8	91.8	92.2	92.6	92.6	92.9	92.9	93.3	93.3
≥ 500		78.4	83.7	86.2	89.7	89.7	92.6	92.9	92.9	93.6	94.0	94.0	94.3	94.3	94.7	94.7
≥ 400		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	95.7	95.7
≥ 300		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	96.8	96.8
≥ 200		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	96.8	97.2
≥ 100		78.4	83.7	86.2	90.1	90.1	94.0	94.3	94.3	95.0	95.4	95.7	96.5	96.5	98.2	99.3
≥ 0		78.4	83.7	86.2	90.1	90.1	94.0	94.3	94.3	95.0	95.4	95.7	96.5	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 212

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.7	2.7	1.3								8.7	7.3
NNE	.7	1.7	.3	.3								3.0	5.3
NE	.7	1.7	1.3	.3								4.0	6.3
ENE	.3	1.3	1.7	.7								4.0	7.5
E	.7	.3	.3									1.3	4.3
ESE		.3	1.0									1.3	7.0
SE	1.0	.7	1.3									3.0	5.7
SSE	.7	2.3	.3	.3								3.7	5.3
S	3.3	4.0	2.7	1.3								10.3	5.1
SSW	1.7	2.7	3.0	.3								7.7	6.2
SW	1.0	1.0	2.7	1.7								6.3	8.1
WSW	2.7	1.3	1.0									5.0	4.2
W	1.0	1.7	1.7	1.0								5.3	6.9
WNW	1.0	2.0	3.0	1.7								7.7	7.7
NW	1.0	2.3	1.3	1.7	.3							6.7	7.8
NNW	1.7	5.0	3.0	1.0	.3							11.0	6.7
VARBL													
CALM												11.3	
	17.3	32.0	27.0	11.7	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION [illegible] STATION NAME PATUXENT RIVER, MARYLAND YEARS 77-[illegible] MONTH FEB HOURS (L S T) 22

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.7	57.5	58.9	60.6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4	61.4
≥ 20000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 18000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 16000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 14000		61.7	62.9	64.2	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7
≥ 12000		62.4	63.5	64.9	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
≥ 10000		65.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
≥ 9000		65.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
≥ 8000		69.8	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
≥ 7000		69.8	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
≥ 6000		69.8	71.3	73.1	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.9
≥ 5000		70.2	71.6	73.4	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.9	75.9	76.2
≥ 4500		72.0	74.1	75.9	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	79.1
≥ 4000		73.1	75.9	78.0	80.5	80.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.6
≥ 3500		73.4	76.2	78.4	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6	81.9
≥ 3000		75.2	78.0	80.1	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.7
≥ 2500		75.2	78.0	80.9	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.4
≥ 2000		76.2	79.1	81.9	84.4	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.8
≥ 1800		76.2	79.1	81.9	84.4	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.8
≥ 1500		77.3	80.1	83.3	86.2	86.2	86.5	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.6
≥ 1200		77.7	80.5	83.7	86.5	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.5	87.9
≥ 1000		78.0	80.9	84.0	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.4
≥ 900		78.4	80.9	84.3	87.9	87.9	88.7	89.0	89.0	89.1	89.1	89.0	89.0	89.4	89.4	89.7
≥ 800		78.4	80.9	84.3	87.9	87.9	88.7	89.0	89.0	89.1	89.1	89.0	89.0	89.4	89.4	89.7
≥ 700		78.4	81.2	84.8	88.7	89.1	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.8
≥ 600		78.4	81.2	84.8	88.7	89.7	90.4	90.8	90.8	90.8	90.8	90.8	90.8	91.1	91.1	91.5
≥ 500		78.7	81.6	85.5	89.4	90.5	91.5	91.8	91.8	91.8	91.8	92.2	92.2	92.5	92.9	92.9
≥ 400		78.7	81.6	85.8	89.7	91.5	92.9	94.0	94.0	94.0	94.0	94.3	94.3	94.7	95.0	95.0
≥ 300		78.7	81.9	86.2	90.4	92.2	93.6	94.0	95.0	95.0	95.0	95.7	95.7	96.1	96.5	96.8
≥ 200		78.7	81.9	86.2	90.4	92.2	93.6	95.0	95.0	95.0	95.0	95.7	95.7	96.1	96.5	96.8
≥ 100		78.7	81.9	86.2	90.4	92.6	94.0	95.7	95.7	95.7	95.7	96.5	96.5	96.8	97.2	98.2
≥ 0		78.7	81.9	86.2	90.4	92.6	94.0	95.7	95.7	95.7	95.7	96.5	96.5	96.8	97.2	98.2

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.[illegible]	3.2	1.9	1.0	.3							10.[illegible]	6.1
NNE	.6	.6	1.9									3.2	6.7
NE	.[illegible]	.6	1.[illegible]	.6								2.[illegible]	7.9
ENE	1.3	1.[illegible]	.6									3.[illegible]	4.4
E	1.0	.3	.6									1.9	4.3
ESE	.6	.3	.3									1.[illegible]	4.3
SE	.[illegible]	.6	.6									1.6	6.4
SSE	1.[illegible]	.6	.6	.3								2.9	6.1
S	1.[illegible]	2.3	1.9	1.0								6.5	7.2
SSW	1.6	1.6	1.3	1.3								5.[illegible]	6.7
SW	1.3	2.3	3.5	1.6	.3							9.0	7.[illegible]
WSW	.[illegible]	.6	1.9	1.9	.3							5.[illegible]	10.1
W	1.0	2.[illegible]	1.6	1.0								5.[illegible]	6.4
WNW	.6	2.6	2.6	2.6	.3							8.7	9.1
NW	.6	4.5	2.9	1.3	1.0							10.3	8.2
NNW	1.[illegible]	2.[illegible]	2.9	1.0								7.7	7.1
VARBL													
CALM												13.[illegible]	
	15.[illegible]	27.4	26.[illegible]	13.5	2.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-77 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	52.3	53.4	53.9	54.6	54.7	54.7	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2
≥ 20000	.7	59.4	60.6	61.3	62.0	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 18000	.7	59.4	60.6	61.3	62.1	62.2	62.2	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.7	62.7
≥ 16000	.7	59.5	60.7	61.4	62.1	62.2	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7
≥ 14000	.7	59.5	61.0	61.7	62.4	62.5	62.6	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0
≥ 12000	.7	60.9	62.4	63.2	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 10000	.7	64.2	65.6	66.4	67.2	67.2	67.3	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 9000	.7	64.5	66.1	66.8	67.6	67.7	67.8	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.3
≥ 8000	.7	67.7	69.7	70.6	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.2	72.3	72.3
≥ 7000	.7	68.4	70.6	71.5	72.5	72.7	72.9	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.4	73.5
≥ 6000	.7	68.8	71.0	71.9	72.9	73.1	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.9
≥ 5000	.7	69.6	72.1	73.0	74.1	74.3	74.5	74.7	74.7	74.9	74.9	74.9	74.9	75.0	75.0	75.0
≥ 4500	.7	71.0	73.8	74.7	76.0	76.3	76.4	76.6	76.6	76.8	76.9	76.9	76.9	76.9	77.0	77.0
≥ 4000	.7	72.0	75.4	76.5	78.0	78.3	78.5	78.6	78.7	78.9	79.0	79.0	79.0	79.0	79.1	79.1
≥ 3500	.7	72.9	76.7	77.1	78.6	79.0	79.1	79.3	79.4	79.6	79.7	79.7	79.7	79.7	79.8	79.8
≥ 3000	.7	74.6	77.8	79.1	80.9	81.3	81.5	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.2	82.2
≥ 2500	.7	75.1	78.4	79.7	81.7	82.1	82.5	82.7	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2
≥ 2000	.7	75.6	79.2	80.6	82.6	83.1	83.6	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.3	84.3
≥ 1800	.7	75.6	79.2	80.6	82.8	83.2	83.7	83.9	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1500	.7	76.2	79.9	81.6	83.8	84.4	84.9	85.2	85.2	85.5	85.6	85.6	85.6	85.7	85.8	85.9
≥ 1200	.7	76.9	80.5	82.3	84.6	85.2	85.7	86.0	86.0	86.3	86.4	86.4	86.5	86.5	86.6	86.7
≥ 1000	.7	77.1	81.1	82.9	85.7	86.5	87.5	87.8	87.9	88.2	88.4	88.4	88.5	88.5	88.6	88.7
≥ 900	.7	77.3	81.3	83.2	86.1	86.9	87.9	88.2	88.3	88.7	89.0	89.0	89.1	89.1	89.2	89.3
≥ 800	.7	77.4	81.4	83.6	86.7	87.5	88.7	89.1	89.2	89.7	89.9	89.9	90.0	90.1	90.2	90.3
≥ 700	.7	77.6	81.7	84.0	87.2	88.1	89.5	89.8	90.0	91.1	90.6	90.8	90.8	90.9	91.0	91.1
≥ 600	.7	77.6	81.9	84.3	87.7	88.6	90.3	90.6	90.9	91.7	91.5	91.8	91.8	92.0	92.0	92.1
≥ 500	.7	77.8	82.2	84.6	88.3	89.3	91.3	91.9	92.1	92.7	93.0	93.2	93.4	93.4	93.5	93.7
≥ 400	.7	77.9	82.4	85.2	88.9	90.1	92.2	93.1	93.2	93.9	94.2	94.3	94.7	94.8	95.0	95.2
≥ 300	.7	77.9	82.5	85.2	89.0	90.3	92.5	93.7	93.9	94.6	95.1	95.2	95.7	95.7	96.2	96.5
≥ 200	.7	77.9	82.5	85.2	89.1	90.5	92.7	94.0	94.2	95.2	95.7	95.9	96.6	96.7	97.3	97.7
≥ 100	.7	77.9	82.6	85.2	89.1	90.5	92.9	94.2	94.5	95.4	96.0	96.2	97.2	97.4	98.3	99.5
0	.7	77.9	82.6	85.2	89.1	90.5	92.9	94.2	94.5	95.4	96.0	96.2	97.2	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]1	PATUXENT RIVER, MARYLAND	73-[illegible]2	[illegible]AY

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.1	51.5	52.1	52.1	2.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000		56.3	57.1	57.9	57.9	2.4	58.7	58.3	58.7	58.7	58.3	58.3	58.3	58.3	58.7	58.3
≥ 18000		56.4	57.1	57.4	57.9	2.4	58.7	58.3	58.7	58.7	58.3	58.3	58.3	58.3	58.7	58.3
≥ 16000		56.4	57.1	57.4	57.9	2.4	58.7	58.3	58.7	58.7	58.3	58.3	58.3	58.3	58.7	58.3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17721	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

07
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	2.3	3.2	1.3	.3							8.4	7.3
NNE	.3	2.3	.6	1.0								4.3	7.2
NE	.6	2.6		.3								3.6	5.5
ENE	.6	2.9	.3									3.9	4.4
E	1.0	1.3	.3		.6							3.6	7.2
ESE	1.0	.6										1.6	3.6
SE													
SSE	1.0	1.3	1.3	.6								4.2	6.5
S	2.6	1.6	1.0	.3								5.5	4.7
SSW	1.6	1.3	2.6	1.6	.3							7.4	8.2
SW	1.0	2.3	1.6	1.9								6.8	7.5
WSW	1.3	1.3	1.3	.3								4.2	5.8
W	3.9	1.6	1.3	.6								7.4	4.7
WNW	.7	1.6	2.3	1.9	1.0							7.1	10.1
NW	.4	2.8	2.3	2.3	.3							8.4	8.5
NNW	1.6	5.2	3.2	.6		.3						11.0	6.6
VARBL													
CALM												12.6	
	19.1	31.4	21.4	12.6	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

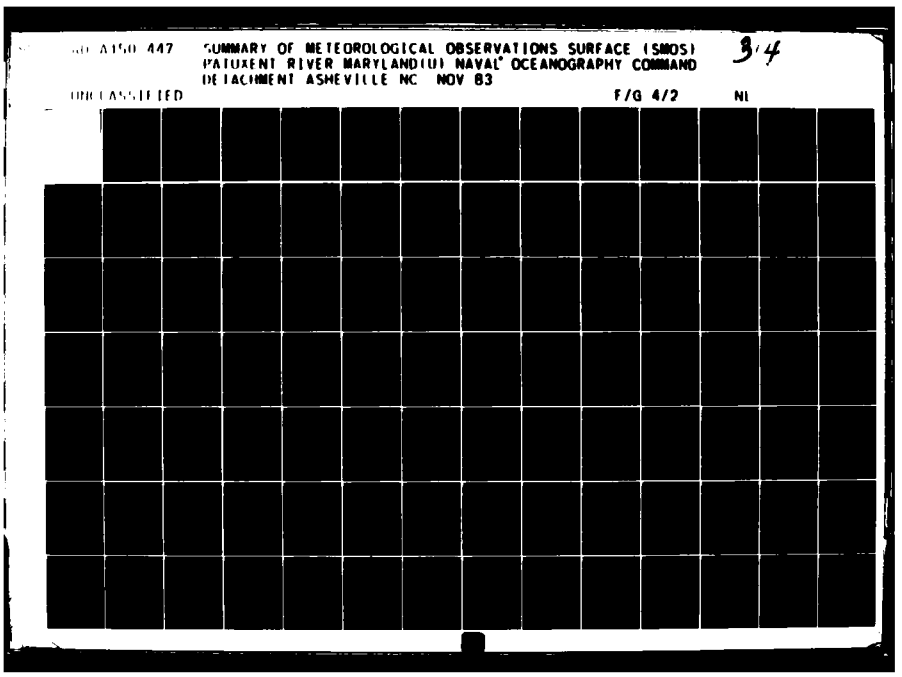
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

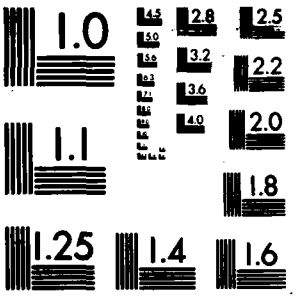
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD-A150 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED F/G 4/2 NL





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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13721	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

13 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	2.6	1.6								7.1	7.9
NNE	1.3	3.9	2.9									8.1	5.0
NE	.7	3.2	.6									4.2	4.9
ENE	1.3	1.3										2.6	3.3
E	1.3	1.0	.6			.7						2.9	6.9
ESE	.7	2.9	1.0									4.2	5.8
SE	.6	1.3	2.9	.3								5.2	7.0
SSE	1.9	1.3	1.3	1.0								4.5	6.7
S		2.6	2.3	1.0								5.9	7.8
SSW	.3	1.9	1.9	1.9	.6							6.9	9.0
SW		.6	1.9	2.9	.6							6.1	11.8
WSW	.3	.6	3.2	2.3								6.5	9.5
W	1.0	1.6	2.3	1.0	.3							6.1	7.9
WNW		1.6	1.3	2.9	.3	.3						6.5	11.2
NW	1.0	1.0	4.5	6.8	.6	.7						14.2	10.8
NNW	.3	1.9	2.9	1.9	.3							7.4	9.3
VARBL													
CALM												1.9	
	9.7	29.7	32.3	23.5	2.9	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-82 | MAR

STATION | STATION NAME | YEARS | MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	38.1	40.3	41.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	.7	45.5	48.1	49.7	51.6	51.6	52.3	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	.7	49.7	53.2	55.2	57.1	57.4	58.1	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	.7	50.0	53.9	55.8	57.7	58.1	58.7	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	.7	53.2	57.1	59.4	61.9	62.3	62.9	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	.7	54.2	58.1	60.3	62.9	63.2	63.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 6000	.7	54.8	58.7	61.0	63.6	63.9	64.5	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	.7	56.1	60.3	62.6	65.2	65.8	66.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4500	.7	58.4	62.6	64.8	67.4	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	.7	62.3	66.8	69.0	71.6	72.3	72.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	.7	63.2	67.7	70.0	72.9	73.6	74.5	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	.7	65.5	70.0	72.9	75.8	76.8	77.7	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	.7	66.8	71.3	74.2	77.1	78.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	.7	67.4	71.9	74.8	78.1	79.0	80.3	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	.7	67.4	71.9	74.8	78.1	79.0	80.3	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	.7	67.4	72.3	75.2	78.7	79.7	81.0	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	.7	67.7	72.9	75.8	79.4	80.3	81.6	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	.7	68.4	73.9	77.4	81.3	82.3	83.6	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900	.7	68.4	73.9	77.7	81.6	82.6	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	.7	68.4	73.9	78.1	82.6	83.6	84.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	.7	68.4	73.9	78.4	82.9	84.2	85.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	.7	68.4	74.2	78.7	83.2	84.5	85.8	86.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	.7	68.4	74.2	78.7	83.6	84.8	86.8	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.4	89.4
≥ 400	.7	68.4	74.2	78.7	83.9	85.5	87.4	88.4	88.4	90.0	90.0	90.0	90.0	90.0	90.3	90.7
≥ 300	.7	68.4	74.2	78.7	83.9	85.8	88.1	89.3	89.0	90.7	90.7	91.3	91.3	91.3	91.6	91.9
≥ 200	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	90.0	92.3	92.9	93.6	94.5	95.2	96.1	97.1
≥ 100	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	90.0	92.3	92.9	93.6	94.5	95.2	96.1	98.7
≥ 0	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	90.0	92.3	92.9	93.6	94.5	95.2	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]	PATUXENT RIVER, MARYLAND	73-77	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	2.6	2.3	1.[illegible]								[illegible]	[illegible]
NNE	1.[illegible]	3.[illegible]	1.[illegible]	.3								[illegible]	[illegible]
NE	1.0	1.[illegible]	1.[illegible]									2.[illegible]	4.8
ENE	1.[illegible]	1.3										2.[illegible]	3.3
E	1.[illegible]	.[illegible]	.[illegible]				.[illegible]					[illegible]	6.5
ESE	1.[illegible]	1.3		.3								[illegible]	[illegible]
SE	1.[illegible]	2.[illegible]	1.[illegible]	.6								[illegible]	[illegible]
SSE	1.3	2.[illegible]	1.[illegible]	.6								[illegible]	[illegible]
S	1.[illegible]	2.[illegible]	1.6	.6								[illegible]	[illegible]
SSW	1.[illegible]	2.[illegible]	1.6	2.3								[illegible]	7.6
SW		.[illegible]	1.[illegible]	1.3								[illegible]	10.1
WSW	.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]								[illegible]	7.4
W	1.[illegible]	2.3	2.[illegible]	1.3								7.4	7.1
WNW	1.[illegible]	.3	2.3	2.[illegible]	.3							[illegible]	10.9
NW	.[illegible]	1.6	2.[illegible]	5.2								[illegible]	[illegible]
NNW	1.[illegible]	3.[illegible]	2.3	2.3								9.[illegible]	7.8
VARBL													
CALM												[illegible]	
	[illegible]	31.[illegible]	24.[illegible]	19.7	.3		.[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

10 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.7	45.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	1.3	52.1	54.1	55.7	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	1.3	52.4	54.7	56.3	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	1.3	52.8	55.0	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	1.3	53.1	55.3	57.0	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	1.3	54.4	56.6	58.3	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	1.3	62.1	64.7	66.7	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	1.3	63.1	65.7	68.0	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	1.3	63.4	66.0	68.3	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	1.6	65.7	68.6	70.9	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	1.6	66.7	69.6	72.2	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	1.6	68.6	72.2	74.8	76.7	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	1.6	70.2	73.8	76.4	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	1.6	73.1	76.7	79.3	81.6	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	1.6	73.8	77.4	80.9	83.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.6	75.4	79.6	82.5	85.1	85.1	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	1.6	75.7	79.9	82.9	85.8	85.8	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	1.6	75.7	80.9	84.1	87.1	87.1	87.4	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	1.6	75.7	80.9	84.1	87.4	87.4	87.7	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.3	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	1.6	75.7	80.9	84.1	88.0	89.0	89.3	90.3	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9
≥ 500	1.6	75.7	80.9	84.1	88.0	89.0	89.6	90.6	90.6	91.6	92.2	92.2	92.6	92.6	92.9	92.9
≥ 400	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.3	91.3	92.2	92.9	92.9	93.5	93.5	94.2	94.2
≥ 300	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.6	91.6	92.6	93.2	93.2	94.2	94.5	95.5	95.5
≥ 200	1.6	75.7	80.9	84.1	88.4	89.3	90.3	92.6	92.9	94.5	95.2	95.2	96.4	96.8	98.4	98.7
≥ 100	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0
≥ 0	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PATUXENT RIVER, MARYLAND 72-82 DEC
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	2.[illegible]	1.[illegible]	1.[illegible]								7.[illegible]	[illegible]
NNE	1.[illegible]	1.[illegible]	2.[illegible]	.6								[illegible]	7.[illegible]
NE	1.[illegible]	.[illegible]	.[illegible]									2.[illegible]	[illegible]
ENE	1.[illegible]	.[illegible]		.3								1.[illegible]	[illegible]
E	1.[illegible]	1.[illegible]		.3								3.[illegible]	4.1
ESE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	[illegible]
SE	1.[illegible]				.[illegible]							1.[illegible]	[illegible]
SSE	1.[illegible]	2.[illegible]	2.[illegible]	1.3								[illegible]	6.[illegible]
S	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	.6								10.[illegible]	[illegible]
SSW	1.[illegible]	1.[illegible]	.[illegible]	1.[illegible]	.3							[illegible]	[illegible]
SW	1.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]								[illegible].1	7.[illegible]
WSW	.[illegible]	.[illegible]	1.[illegible]	.3								2.[illegible]	[illegible]
W	.[illegible]	1.[illegible]	1.3		.3							[illegible]	[illegible]
WNW	.[illegible]	.[illegible]	1.[illegible]	1.6	.3	.[illegible]						[illegible]	12.[illegible]
NW	1.[illegible]	.[illegible]	2.[illegible]	1.3	.6	.[illegible]						[illegible]	10.1
NNW	2.[illegible]	3.[illegible]	3.[illegible]	1.[illegible]								11.[illegible]	[illegible]
VARBL													
CALM												16.[illegible]	
	22.[illegible]	24.[illegible]	20.[illegible]	12.3	.[illegible]	.[illegible]						1[illegible].[illegible]	[illegible].6

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.6	41.0	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	1.6	50.4	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	1.6	50.3	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.6	51.6	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	1.6	59.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	1.6	59.7	64.8	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	1.6	61.0	66.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	1.6	61.9	67.7	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	1.6	62.6	68.4	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	1.6	65.2	71.0	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	1.6	66.5	72.6	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	1.7	71.3	78.1	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	1.9	71.9	78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	1.9	72.6	79.4	82.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	1.9	73.2	80.0	83.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	1.9	73.6	80.3	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	1.9	73.9	81.2	84.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.9	74.2	81.3	85.5	88.4	89.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.9	74.2	81.3	85.5	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	1.9	74.2	81.3	86.1	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	1.9	74.2	81.6	86.5	90.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	1.9	74.8	81.9	86.8	91.0	92.6	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	95.2	95.2
≥ 500	1.9	74.8	81.9	86.8	91.0	93.6	93.9	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
≥ 400	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	98.1	98.1
≥ 300	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	98.1	98.1	98.4	98.4
≥ 200	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0
≥ 100	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0
≥ 0	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

ALL WEATHER
CLASS

22
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	2.3	1.6	1.3								6.5	5.1
NNE	.7	3.2	.6	.3								4.8	6.4
NE	1.9	1.9	1.3	.3								3.4	6.3
ENE	2.3	.6	1.3									3.7	4.3
E	1.9	1.3	.3	.3								2.9	4.9
ESE	.3	.6										1.0	3.7
SE	1.3		1.3									2.3	5.3
SSE	1.3	1.3	1.3	.3								3.9	5.4
S	1.9	2.9	1.9	1.9								7.9	6.2
SSW	1.3	2.3	3.6	.6								7.8	6.7
SW	2.3	1.3	2.3	1.9	.3							8.1	7.7
WSW	1.6	.6	1.9	.3	.3							5.1	6.1
W	1.3	1.9	1.3	.3								3.9	5.8
WNW	1.3	1.3	.6	2.9	.6							6.5	9.9
NW	1.9	2.3	1.3	2.9	.3							5.4	7.9
NNW	1.6	3.2	5.1	1.3								11.7	7.1
VARBL													
CALM												12.3	
	22.7	24.6	25.6	13.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

16 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.9	43.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	1.0	52.9	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	1.0	53.9	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.0	54.8	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	1.0	57.4	59.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.0	57.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.0	61.3	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	1.0	63.6	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	1.0	64.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	1.3	65.5	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	1.3	68.4	71.0	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
≥ 4000	1.3	70.3	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	1.3	71.6	74.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	1.6	77.1	80.3	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	1.6	78.1	81.3	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	1.6	78.1	81.6	84.5	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	1.6	78.4	81.9	84.8	85.2	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.6	78.7	82.3	85.2	85.8	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	1.6	78.7	82.3	85.5	86.1	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 1000	1.6	79.4	83.2	86.5	87.1	88.1	88.4	88.4	88.4	89.0	89.0	89.0	89.4	89.4	89.4	89.4
≥ 900	1.6	79.7	83.9	87.1	88.1	89.4	89.7	89.7	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7
≥ 800	1.6	79.7	83.9	87.4	88.7	90.3	90.7	90.7	90.7	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 700	1.6	80.0	84.2	88.7	90.7	92.9	93.9	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2
≥ 600	1.6	80.3	84.5	89.0	91.0	93.2	94.2	94.5	94.5	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	1.6	80.3	84.5	89.0	91.3	93.6	94.8	95.2	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 400	1.6	80.7	84.8	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4
≥ 300	1.6	80.7	84.8	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.4	97.4	97.7	98.1
≥ 200	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	99.7
≥ 100	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0
≥ 0	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1772 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.1	.6	.0	.0						6.6	6.3
NNE	.9	2.2	1.6	.3	.0							5.2	6.1
NE	.7	1.8	1.[illegible]	.2	.0		.0					3.8	5.9
ENE	.8	1.3	.[illegible]	.2	.0	.0						3.1	5.6
E	.9	1.5	.9	.2	.0	.0	.0					3.5	5.6
ESE	.6	1.5	.8	.1	.0	.0						3.1	5.7
SE	.8	2.1	2.1	.6	.0	.0						5.7	6.8
SSE	1.0	2.4	2.4	1.0	.0	.0						6.9	7.1
S	2.1	3.0	2.0	.7	.0	.0						7.8	6.0
SSW	1.2	1.8	2.0	1.1	.1	.0						6.1	7.2
SW	.9	1.8	2.2	1.3	.1	.0	.0					6.3	7.7
WSW	.8	1.4	1.7	.8	.1	.0						4.9	7.5
W	1.[illegible]	2.2	1.[illegible]	.7	.1	.[illegible]	.0					6.2	6.5
WNW	1.3	1.[illegible]	1.7	1.3	.3	.1	.0	.0				6.5	7.8
NW	1.[illegible]	2.1	2.2	2.0	.3	.0	.0					7.9	6.2
NNW	1.5	2.6	2.7	1.1	.1	.0	.0					8.0	7.1
VARBL													
CALM												8.4	
	17.8	32.1	27.8	12.4	1.3	.2	.0	.0				100.2	6.3

TOTAL NUMBER OF OBSERVATIONS 29197

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

19 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	48.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
≥ 20000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 18000	.3	54.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 16000	.3	54.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 14000	.3	55.5	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
≥ 12000	.3	56.3	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
≥ 10000	.3	60.3	62.8	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
≥ 9000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
≥ 8000	.3	65.8	68.1	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
≥ 7000	.3	67.1	69.4	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
≥ 6000	.3	67.7	70.0	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
≥ 5000	.3	69.0	71.6	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2
≥ 4500	.3	71.0	73.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
≥ 4000	.3	73.9	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
≥ 3500	.3	74.5	77.7	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.4
≥ 3000	.3	76.8	80.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
≥ 2500	.3	77.7	81.9	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
≥ 2000	.3	78.7	83.6	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 1800	.3	78.7	83.6	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
≥ 1500	.3	79.0	84.2	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7
≥ 1200	.3	79.0	84.5	86.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
≥ 1000	.3	79.7	85.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
≥ 900	.3	79.7	85.5	87.7	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 800	.3	80.3	86.5	88.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
≥ 700	.3	81.0	87.1	89.7	92.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
≥ 400	.3	81.0	87.1	90.3	92.9	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2
≥ 500	.3	81.0	87.1	90.3	93.6	93.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.5
≥ 400	.3	81.0	87.1	90.3	93.9	94.5	95.5	95.8	95.8	96.5	96.5	96.5	96.8	96.8	96.8	97.1
≥ 300	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.4	97.4	97.4	97.7
≥ 200	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.4	97.4	97.7	97.7	97.7	98.4
≥ 100	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	99.7
0	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (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 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	3.7	4.3	1.3	.2							11.5	6.6
NNE	1.7	3.9	4.3	1.1	.0							10.9	6.7
NE	1.3	2.3	2.2	.8	.0		.0					7.3	6.6
ENE	1.1	2.3	2.3	.7	.1							6.5	6.7
E	1.0	2.9	1.[illegible]	.7	.2	.[illegible]	.0					6.5	6.8
ESE	.[illegible]	2.1	1.4	.3	.0	.[illegible]						4.7	6.2
SE	.[illegible]	2.[illegible]	2.4	.6	.1	.[illegible]						6.1	7.0
SSE	.[illegible]	1.5	1.6	1.2	.1	.0						5.3	7.8
S	1.[illegible]	1.9	1.[illegible]	.8	.2	.[illegible]						5.[illegible]	7.2
SSW	.[illegible]	1.4	1.3	.8								4.1	7.2
SW	.[illegible]	1.[illegible]	1.[illegible]	.6	.1							3.[illegible]	7.4
WSW	.[illegible]	.8	1.[illegible]	.3	.1	.[illegible]						2.6	7.3
W	1.3	1.[illegible]	1.[illegible]	.2	.1							4.5	5.5
WNW	1.1	1.3	.6	.2	.[illegible]			.0				3.[illegible]	5.5
NW	1.2	1.[illegible]	1.[illegible]	.6	.1	.[illegible]						4.[illegible]	7.0
NNW	1.2	1.[illegible]	1.[illegible]	.2								5.1	5.9
VARBL													
CALM												8.1	
	17.4	32.[illegible]	29.7	10.4	1.3	.2	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3079

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH) 22 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		58.1	59.7	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
≥ 10000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		68.4	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		69.4	71.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		70.3	72.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		72.3	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500		73.9	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		75.8	78.4	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
≥ 3500		76.8	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000		77.1	79.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		80.3	83.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		80.7	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500		81.9	85.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		82.3	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		82.9	87.7	90.0	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		82.9	87.7	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		82.9	88.1	91.3	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700		82.9	88.1	91.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600		83.2	89.0	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		83.2	89.0	93.6	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400		83.2	89.0	93.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		83.2	89.0	93.6	94.5	95.2	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	98.4	98.4	98.4	98.4
≥ 100		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	99.7
≥ 0		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NOCD, Federal Building
Asheville, N. C.

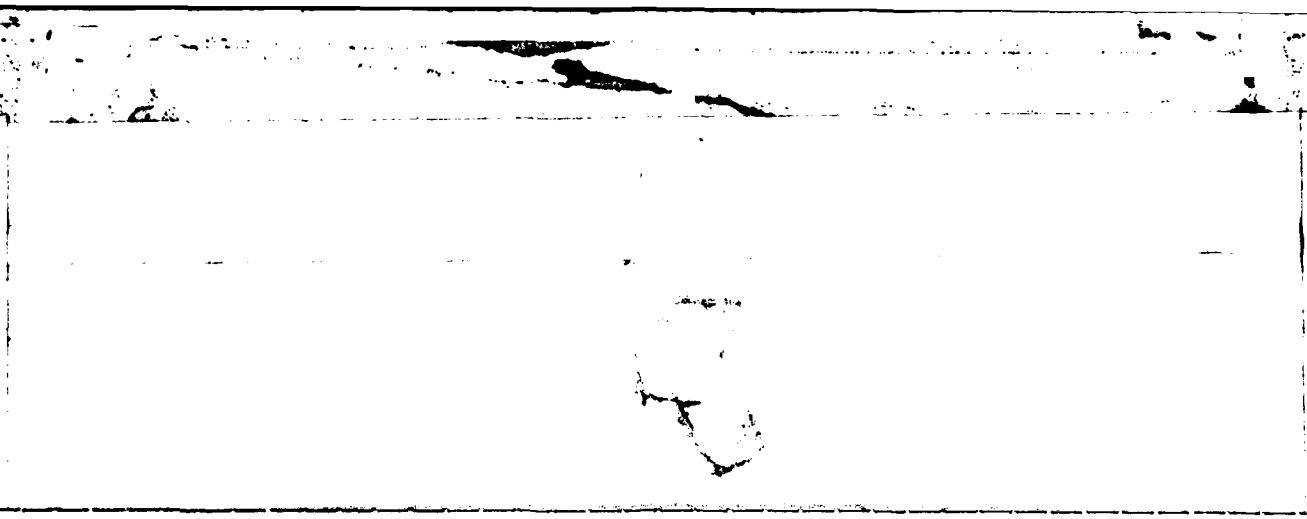
PART D CEILING VERSUS VISIBILITY

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 3-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.

Beginning in July 1948 for Air Force stations and January 1949 for NWS 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.



PART D

ADDITIONAL EXAMPLES

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

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

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

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

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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	APR	01
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7
≥ 20000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 18000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 16000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 14000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 12000		65.0	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3
≥ 10000		69.7	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7
≥ 9000		70.0	72.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0
≥ 8000		75.0	77.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3
≥ 7000		76.0	78.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
≥ 6000		77.3	79.3	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	81.7
≥ 5000		79.0	81.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7
≥ 4500		80.0	82.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3
≥ 4000		82.0	84.3	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3
≥ 3500		82.7	85.0	87.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7
≥ 3000		84.7	87.3	89.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0
≥ 2500		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
≥ 2000		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
≥ 1800		85.3	88.0	90.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 1500		86.3	89.3	91.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3
≥ 1200		86.7	89.7	92.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.3	94.3
≥ 1000		87.7	91.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3	96.3
≥ 900		87.7	91.0	94.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7
≥ 800		88.3	91.3	94.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.0	97.0
≥ 700		88.3	91.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3
≥ 600		88.3	91.7	95.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	97.7
≥ 500		88.3	91.7	95.0	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
≥ 400		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 300		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 200		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 100		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.7	100.0
0		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

PART D SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

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

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

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

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

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

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are tl conversions:

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

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH) 04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		58.3	61.3	61.3	62.0	62.3	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 18000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000		62.7	65.0	66.0	66.7	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000		67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000		67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000		72.7	75.3	76.7	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000		73.7	76.3	77.7	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000		74.0	76.7	78.0	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000		75.7	78.3	79.7	81.0	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		76.0	78.7	80.0	81.3	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000		77.7	80.3	81.7	83.3	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500		79.3	82.3	83.7	85.3	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000		81.0	84.3	86.0	87.7	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		82.3	86.0	88.0	89.7	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		82.7	86.7	89.0	90.7	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		83.3	88.0	90.7	92.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900		83.3	88.0	91.0	93.0	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800		83.7	89.0	92.0	94.0	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3
≥ 700		83.7	89.0	92.0	94.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0
≥ 600		84.0	89.3	92.3	94.7	95.7	95.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.7	96.7
≥ 500		84.3	90.3	93.3	95.7	97.0	97.0	97.0	97.0	97.7	97.7	98.0	98.0	98.0	98.3	98.3
≥ 400		84.3	90.3	93.7	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.7	98.7
≥ 300		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.3	98.7	98.7	98.7	99.0	99.0
≥ 200		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	99.3
≥ 100		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	99.7
≥ 0		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH)

01 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	50.7	51.1	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	.3	55.3	56.0	56.0	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	.3	58.9	59.9	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	.3	59.6	60.5	60.5	60.8	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	.3	66.0	67.0	67.0	67.3	67.6	67.6	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	.3	67.1	68.0	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	.3	67.1	68.3	68.3	68.6	68.9	68.9	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	.3	68.6	69.6	69.6	69.9	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	.3	69.9	70.9	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	.3	71.8	72.8	73.1	73.8	74.1	74.1	74.1	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	.3	72.6	74.1	74.4	75.1	75.4	75.4	75.4	75.4	75.7	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	.3	73.8	75.4	76.1	77.0	77.4	77.4	77.4	77.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	.3	74.1	76.1	77.0	78.0	78.3	78.3	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	.3	75.7	78.0	79.0	79.9	80.3	80.3	80.3	80.3	80.9	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	.3	76.7	79.0	79.9	80.9	81.2	81.2	81.2	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1500	.3	77.4	79.6	80.6	81.9	82.2	82.5	82.5	82.5	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	.3	77.7	79.9	80.9	82.5	82.9	83.2	83.2	83.2	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	.3	78.3	80.6	81.6	83.8	84.5	85.1	85.1	85.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	.3	78.6	80.9	82.2	84.8	85.4	86.1	86.1	86.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	.3	79.1	81.2	82.9	85.8	86.4	87.1	87.1	87.1	88.0	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	.3	79.6	81.9	83.5	86.4	87.1	87.7	87.7	87.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	.3	80.3	82.5	84.1	87.4	88.0	89.3	89.3	89.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 500	.3	80.6	82.9	84.8	89.0	90.0	91.3	91.6	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	.3	80.6	83.2	85.4	90.0	91.3	92.6	92.9	92.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	.3	80.6	83.2	85.8	90.6	91.9	93.9	94.2	94.5	95.8	96.4	96.4	96.4	96.8	96.8	97.1
≥ 200	.3	80.6	83.2	85.8	90.6	91.9	94.2	94.5	94.8	96.1	96.8	96.8	97.1	97.4	97.4	98.1
≥ 100	.3	80.6	83.2	85.8	90.6	91.9	94.5	94.8	95.2	96.4	97.1	97.1	97.7	98.1	98.4	99.7
0	.3	80.6	83.2	85.8	90.6	91.9	94.5	94.8	95.2	96.4	97.1	97.1	97.7	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	APR	07
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.7	56.3	56.7	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		59.3	63.3	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		61.7	65.7	66.3	67.0	67.7	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		62.3	66.3	67.0	67.7	68.3	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		69.0	73.3	74.3	75.3	76.0	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000		70.3	74.7	75.7	76.7	77.3	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000		72.0	76.3	77.3	78.3	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		72.3	76.7	78.3	80.0	80.7	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		73.0	77.3	79.0	81.0	81.7	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000		74.7	79.0	81.3	83.3	84.0	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		75.0	79.3	82.0	84.0	84.7	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000		75.7	80.0	83.0	85.0	85.7	86.3	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		76.3	80.7	84.3	86.3	87.0	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.7
≥ 2000		77.0	81.7	85.3	87.3	88.0	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		77.3	82.0	85.7	87.7	88.3	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		78.0	83.0	86.7	88.7	89.3	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		78.0	83.3	87.7	89.7	90.3	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 900		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 800		78.7	84.3	88.7	91.7	92.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700		78.7	84.3	88.7	91.7	93.0	94.0	94.0	94.0	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600		78.7	85.0	89.3	92.3	93.7	94.7	95.0	95.3	95.7	96.0	96.0	96.0	96.0	96.3	96.3
≥ 500		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 400		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 300		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.3	97.3	97.3	97.7	98.0
≥ 200		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.0	99.3
≥ 100		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0
0		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT [illegible], MARYLAND — 73-82 (YEARS) — JAN (MONTH)

STATION — STATION NAME

07 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	44.5	44.5	44.8	44.8	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		[illegible]	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000		51.9	52.2	53.2	53.9	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000		[illegible]	56.8	57.1	58.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000		[illegible]	56.8	57.1	58.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000		[illegible]	64.8	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000		[illegible]	65.8	66.5	67.4	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000		[illegible]	66.8	67.4	68.4	68.4	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000		66.1	68.7	69.4	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500		[illegible]	71.9	72.6	73.9	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.5
≥ 4000		71.7	73.6	74.5	75.8	75.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
≥ 3500		[illegible]	73.8	74.5	75.8	75.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
≥ 3000		71.3	74.3	75.8	77.4	77.7	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0
≥ 2500		72.3	75.5	77.1	78.7	79.0	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
≥ 2000		72.9	76.1	78.1	79.7	80.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.3	81.3
≥ 1800		72.9	76.1	78.4	80.0	80.3	81.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6
≥ 1500		73.9	77.1	79.7	81.6	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥ 1200		74.8	78.1	81.7	83.6	83.9	83.2	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.5	84.5
≥ 1000		74.8	78.4	81.6	83.6	84.2	84.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	86.1	86.1
≥ 900		74.8	78.4	81.9	83.9	84.8	85.1	86.1	86.1	86.8	86.8	86.8	86.8	86.8	87.1	87.1
≥ 800		74.8	78.4	81.9	84.2	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 700		74.8	78.7	82.9	85.2	86.1	86.8	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.4	88.4
≥ 600		74.8	78.7	82.9	85.8	86.8	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.4	89.4
≥ 500		75.1	79.4	83.6	86.8	87.7	88.7	89.7	89.7	90.3	90.3	90.3	90.3	90.7	91.0	91.0
≥ 400		75.3	79.4	83.9	87.7	90.0	91.0	92.3	92.3	92.9	92.9	92.9	92.9	94.2	94.5	94.5
≥ 300		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.6	94.2	94.2	94.2	95.2	95.5	96.5	96.5
≥ 200		75.3	79.4	83.9	87.7	90.3	92.3	93.6	93.9	94.8	94.8	94.8	96.5	96.8	97.7	97.7
≥ 100		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.9	95.2	95.2	95.2	97.4	98.1	99.0	99.4
≥ 0		75.2	79.4	83.9	87.7	90.3	92.3	93.6	93.9	95.2	95.2	95.2	97.4	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	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	58.7
≥ 20000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	1.3	64.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	1.3	65.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	1.3	69.0	70.0	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	1.3	69.3	70.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	1.3	75.3	77.0	77.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.3	75.7	77.3	77.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	1.3	76.7	78.3	78.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	1.3	79.0	81.0	81.3	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	1.3	79.3	81.3	81.7	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	1.3	81.0	83.0	83.7	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500	1.3	81.3	83.3	84.0	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	1.3	82.7	84.7	86.0	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	1.3	83.3	85.3	87.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	1.7	85.7	87.7	89.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	1.7	86.7	88.7	90.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	1.7	87.3	89.3	90.7	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	1.7	87.3	89.3	91.0	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	1.7	87.3	89.3	91.3	93.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	1.7	87.3	89.7	91.7	93.3	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	1.7	87.7	90.0	92.0	94.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	1.7	87.7	90.0	92.7	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	1.7	87.7	90.0	92.7	95.3	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.7	98.7	99.0	99.0
≥ 300	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	99.7	99.7
≥ 200	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0
≥ 100	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0
0	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-[illegible] (YEARS) | JAN (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	41.6	43.0	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	.3	49.[illegible]	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	.3	50.[illegible]	52.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	.3	52.6	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	.3	53.2	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	.3	57.7	61.0	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	.3	58.[illegible]	62.3	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	.3	59.7	62.9	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	.3	61.6	64.8	66.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	.7	65.2	69.4	71.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	.7	68.1	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	.7	68.1	71.6	74.5	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	.7	69.7	73.2	76.1	78.1	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	.7	70.0	73.6	76.5	78.4	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	.7	70.7	74.2	77.1	79.0	79.4	80.7	81.0	81.0	81.0	81.3	81.3	1.3	81.3	81.3	81.3
≥ 1800	.7	71.[illegible]	74.5	77.4	79.4	79.7	81.0	81.3	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	.7	71.3	74.8	77.7	87.[illegible]	80.7	81.9	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200	.7	71.[illegible]	75.5	78.4	81.[illegible]	81.6	82.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	.7	71.9	75.8	78.[illegible]	83.6	84.2	85.8	86.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	.7	71.9	75.8	80.7	84.5	85.2	86.8	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	.7	71.9	75.[illegible]	80.7	84.5	85.5	87.1	88.7	88.7	89.[illegible]	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	.7	72.3	76.5	81.6	86.1	87.1	88.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	.7	72.6	76.9	81.9	86.6	87.7	89.4	91.0	91.[illegible]	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	.7	72.9	77.4	83.2	88.1	89.4	91.3	92.9	92.9	93.6	94.2	94.2	94.5	94.5	94.5	94.5
≥ 400	.7	72.9	77.4	83.2	88.1	89.4	91.6	93.2	93.[illegible]	94.2	94.8	94.8	95.2	95.2	95.2	95.2
≥ 300	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	95.2	95.8	95.8	96.5	96.5	96.8	96.8
≥ 200	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	95.8	96.8	96.8	98.4	98.4	99.0	99.0
≥ 100	.7	73.3	77.7	83.6	88.7	90.[illegible]	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.7	100.0
≥ 0	.7	73.2	77.7	83.6	88.7	90.3	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 31[illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

72721	PATUXENT RIVER, MARYLAND	73-	APR
STATION	STATION NAME	YEARS	MONTH

13
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	62.9	63.5	63.5	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	1.3	62.9	63.6	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	1.3	64.2	65.2	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	1.3	67.2	68.2	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	1.3	67.9	68.9	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	1.3	70.6	72.9	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	1.3	71.2	74.3	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.3	72.2	75.3	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	1.3	74.9	78.6	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	1.3	75.9	79.6	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	1.3	78.6	82.3	83.3	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	1.3	79.3	82.9	84.0	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	1.7	83.3	87.0	88.0	88.6	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	1.7	85.0	88.4	90.0	90.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	1.7	85.3	89.0	90.6	91.6	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	1.7	85.6	89.3	91.0	92.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	1.7	86.6	90.3	92.6	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	1.7	87.6	91.3	93.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	1.7	87.6	91.6	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	1.7	87.6	91.6	94.7	96.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7
≥ 200	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 100	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0
0	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | 73-[illegible] | JAN
STATION | STATION NAME | YEARS | MONTH

1[illegible]
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	41.[illegible]	41.[illegible]	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	.7	47.[illegible]	49.2	49.[illegible]	49.8	49.3	49.3	49.[illegible]	49.[illegible]	49.8	49.8	49.8	49.8	49.[illegible]	49.[illegible]	49.[illegible]
≥ 18000	.7	48.[illegible]	49.8	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]
≥ 16000	.7	48.[illegible]	49.8	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]
≥ 14000	.7	48.[illegible]	50.[illegible]	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	.7	50.2	50.[illegible]	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
≥ 10000	1.[illegible]	54.7	56.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	1.[illegible]	55.3	57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	1.[illegible]	60.[illegible]	63.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	1.[illegible]	64.1	67.[illegible]	68.6	68.6	68.9	68.9	[illegible].9	[illegible].9	68.9	68.9	68.9	68.9	68.9	68.9	[illegible].9
≥ 6000	1.[illegible]	64.1	67.[illegible]	68.6	69.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	[illegible].[illegible]	[illegible].[illegible]
≥ 5000	1.[illegible]	[illegible].7	68.6	71.[illegible]	71.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500	1.[illegible]	66.3	69.9	72.2	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	1.[illegible]	66.3	70.5	75.1	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	1.[illegible]	69.6	73.1	75.7	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	1.[illegible]	73.1	76.7	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	1.[illegible]	74.[illegible]	78.6	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000	1.[illegible]	75.4	78.6	82.5	83.5	83.8	83.8	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.[illegible]	75.7	78.9	82.9	83.8	84.1	84.1	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	1.[illegible]	76.4	81.6	84.8	85.8	86.1	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	[illegible].7
≥ 1200	1.[illegible]	77.7	82.5	85.8	86.7	87.1	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	[illegible].7
≥ 1000	1.[illegible]	77.4	82.9	86.1	87.1	87.4	88.[illegible]	88.7	88.7	89.[illegible]	89.[illegible]	89.[illegible]	[illegible].[illegible]	89.3	89.3	[illegible].[illegible]
≥ 900	1.[illegible]	77.4	82.9	86.1	87.1	7.4	88.[illegible]	88.7	89.3	89.3	89.3	[illegible].[illegible]	[illegible].[illegible]	89.3	89.3	[illegible].[illegible]
≥ 800	1.[illegible]	77.4	82.9	86.4	87.7	88.[illegible]	88.7	[illegible].3	89.3	90.[illegible]	90.[illegible]	90.[illegible]	[illegible].[illegible]	90.[illegible]	90.[illegible]	[illegible].[illegible]
≥ 700	1.[illegible]	77.4	83.2	86.7	88.4	89.[illegible]	89.6	90.[illegible]	[illegible].[illegible]	90.9	90.9	90.9	[illegible].[illegible]	91.3	91.3	[illegible].[illegible]
≥ 600	1.[illegible]	77.4	83.2	86.7	88.4	89.3	90.3	91.6	91.6	92.2	92.2	92.2	92.6	92.6	92.6	[illegible].[illegible]
≥ 500	1.[illegible]	77.4	83.2	86.7	88.7	89.6	91.6	[illegible].[illegible]	[illegible].[illegible]	94.2	94.2	94.2	94.5	94.5	94.5	[illegible].[illegible]
≥ 400	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.2	94.2	[illegible].[illegible]	95.2	95.5	95.5	[illegible].[illegible]	95.8	96.1	[illegible].[illegible]
≥ 300	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	94.8	95.2	96.4	96.5	96.8	[illegible].[illegible]	97.7	98.1	[illegible].[illegible]
≥ 200	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	94.8	95.2	96.4	96.8	96.8	[illegible].[illegible]	97.1	98.4	99.4
≥ 100	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	95.2	95.5	96.5	97.1	97.1	[illegible].[illegible]	98.4	99.[illegible]	[illegible].[illegible]
≥ 0	1.[illegible]	77.4	83.5	87.1	89.[illegible]	[illegible].[illegible]	92.9	95.2	95.5	96.8	97.1	97.1	[illegible].[illegible]	98.4	99.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] 1 | PATUXENT RIVER, MARYLAND | 73-82 | APR

STATION | STATION NAME | YEARS | MONTH

16

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	1.7	51.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	1.7	61.	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	1.7	61.	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	1.7	61.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	1.7	62.7	64.0	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	1.7	64.7	66.3	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	1.7	65.0	66.7	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	1.7	68.3	70.3	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	1.7	68.7	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	1.7	68.7	71.7	73.0	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	1.7	71.3	74.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	1.7	73.3	77.0	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	1.7	77.3	81.0	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	1.7	78.7	82.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	1.7	82.7	86.7	88.7	89.3	89.3	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	1.7	83.7	87.7	89.7	90.3	90.3	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	1.7	85.3	89.7	92.3	93.3	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	1.7	85.7	90.3	93.0	94.0	94.7	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	1.7	85.7	91.0	94.7	96.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	1.7	85.7	91.3	95.0	96.7	98.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	46.5	48.2	48.5	48.7	48.5	48.5	48.5	48.5	48.7	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	1.	53.1	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	1.	53.4	55.0	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
≥ 16000	1.	53.4	55.0	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
≥ 14000	1.	54.1	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	1.	55.3	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	1.	59.6	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	1.	63.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	1.	70.9	72.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	1.	73.9	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	1.	74.4	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	1.	76.7	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	1.	77.3	79.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	1.	76.3	78.9	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	1.	79.9	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	1.	83.3	86.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	1.	84.2	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	1.	86.1	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	1.	86.1	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	1.	87.4	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	1.	87.4	90.9	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	1.	87.4	90.9	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 900	1.	87.4	91.0	92.0	92.0	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800	1.	87.7	91.2	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	1.	87.7	91.2	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	1.	87.7	91.2	92.3	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 500	1.	87.7	91.2	92.3	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 400	1.	87.7	91.2	92.3	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 300	1.	87.7	91.2	92.4	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	1.	87.7	91.2	92.4	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 100	1.	87.7	91.2	92.4	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 0	1.	87.7	91.2	92.4	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
13721	PATUXENT RIVER, MARYLAND	73-82	APR

HOURS (L S T) 19

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	53.3	57.7	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	.3	61.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	.3	62.3	64.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	.3	66.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	.3	66.3	68.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	71.3	73.3	75.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	.3	72.3	74.7	76.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	.3	73.3	75.3	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	.3	73.7	76.0	77.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	.3	76.0	78.3	80.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	.3	78.3	80.7	82.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	.3	78.7	81.0	82.7	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	.3	81.3	85.0	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	.3	82.0	85.7	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	.3	83.7	87.0	90.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	.3	84.3	88.7	91.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	.3	84.7	88.7	92.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.3	84.7	88.7	92.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.3	84.7	88.3	93.0	96.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	.3	84.7	88.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	.3	84.7	88.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

HOURS (LST) 1?

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1	51	52	52	52	52	52	52	52	52	52	52	52	52	
≥ 20000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 18000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 16000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 14000		57.1	57.1	59	59	59	59	59	59	59	59	59	59	59	59	
≥ 12000		57.1	57.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		57.1	57.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		61	61	64	64	64	64	64	64	64	64	64	64	64	64	64
≥ 8000		67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000		67.4	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000		68.1	68.1	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000		68	68	69.4	69.4	69.4	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500		71.7	71.7	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000		72	72	72.9	72.9	73.9	74.5	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500		71.1	71.9	75.2	75.2	75.2	75.8	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000		73.9	77.1	78.4	78.4	78.4	79.0	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500		74.4	77.1	79.7	79.7	79.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000		76.5	79.7	81.3	81.3	81.6	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1800		76.5	79.7	81.3	81.3	81.6	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500		77.1	80.7	82.3	82.6	82.9	84.2	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200		77.1	80.7	82.3	82.6	82.9	84.2	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000		77.7	81.7	83.6	84.2	85.5	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 900		78.1	81.9	84.2	85.8	86.5	87.7	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800		78.1	81.9	84.8	87.1	87.7	89.0	89.4	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700		78.1	82.3	85.5	88.1	88.7	90.3	90.3	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600		78.4	82.3	86.1	89.7	91.0	91.3	91.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500		78.4	82.9	86.1	89.4	90.7	91.9	92.6	93.2	93.9	94.2	94.2	94.2	94.5	94.5	94.5
≥ 400		78.4	82.9	86.1	89.4	90.7	92.3	92.9	93.5	94.2	94.8	94.8	94.8	95.2	95.2	95.2
≥ 300		78.4	82.9	86.1	89.4	90.7	92.5	93.2	94.5	95.2	95.8	95.8	96.1	96.5	96.8	96.8
≥ 200		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	98.7	98.7
≥ 100		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	99.0	99.4
0		78.4	82.9	86.1	89.4	90.7	93.2	94.2	95.2	96.8	97.4	97.4	97.7	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 71?

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1[illegible]21 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-[illegible] (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	61.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	.3	66.3	68.3	68.7	69.0	69.3	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	.3	67.7	69.3	70.0	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	.3	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	.3	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	.3	76.0	77.7	78.7	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	.3	77.0	78.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	.3	77.3	79.0	80.0	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	.3	79.0	80.7	81.7	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	.3	80.3	82.0	83.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	.3	81.7	83.3	84.7	85.7	85.7	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	.3	82.0	84.0	85.3	86.3	86.3	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000	.3	84.0	86.0	87.7	88.7	88.7	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	.3	84.7	86.7	88.7	89.7	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	.3	85.3	87.3	90.0	91.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	.3	85.7	87.7	90.3	91.7	91.7	92.0	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	.3	87.3	90.0	93.3	94.7	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	.3	87.3	90.0	93.3	94.7	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	.3	87.3	90.0	93.3	95.3	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7
≥ 900	.3	87.3	90.0	93.7	95.7	95.7	96.0	96.3	96.3	96.7	96.7	96.7	96.7	97.0	97.0	97.0
≥ 800	.3	87.3	90.0	93.7	95.7	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3
≥ 700	.3	87.7	90.3	94.0	96.0	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0
≥ 600	.3	87.7	90.3	94.3	96.3	97.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.3	98.3	98.3
≥ 500	.3	88.0	90.7	94.7	96.7	97.3	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.7	98.7	98.7
≥ 400	.3	88.0	90.7	94.7	97.0	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3
≥ 300	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 200	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 100	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	100.0
≥ 0	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] 1 | [illegible] | 73-[illegible] | JAN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]2

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]2.2	53.2	[illegible]3.6	53.6	53.9	53.9	[illegible]3.9	[illegible]3.9	53.9	[illegible]3.9	[illegible]3.9	[illegible]3.9	[illegible]3.9	53.9	53.9
≥ 20000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	[illegible]	57.1	58.1	[illegible]8.4	58.4	58.7	58.7	[illegible]8.7	[illegible]8.7	58.7	[illegible]8.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	[illegible]	57.7	59.7	[illegible]9.0	59.0	59.4	59.4	[illegible]9.4	[illegible]9.4	59.4	[illegible]9.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	[illegible]	[illegible]1.9	63.2	[illegible]3.6	63.6	63.9	64.2	[illegible]4.2	[illegible]4.2	64.2	[illegible]4.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	[illegible]	[illegible]2.3	63.6	[illegible]3.9	63.9	64.2	64.5	[illegible]4.5	[illegible]4.5	64.5	[illegible]4.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	[illegible]	[illegible]8.1	69.4	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	[illegible]	68.7	70.0	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	[illegible]	69.4	71.7	71.3	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	[illegible]	70.7	71.9	72.6	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	[illegible]	71.9	73.2	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	[illegible]	73.2	74.5	75.2	75.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	[illegible]	73.5	75.5	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	[illegible]	75.5	77.1	79.0	79.0	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	[illegible]	76.1	78.7	79.7	79.7	80.0	80.7	80.7	80.7	81.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	[illegible]	77.7	80.3	81.6	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1800	[illegible]	77.7	80.3	81.6	82.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	[illegible]	78.7	81.6	[illegible]2.9	83.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	[illegible]	79.7	82.9	[illegible]4.2	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	[illegible]	79.7	82.9	[illegible]4.8	85.5	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	[illegible]	79.7	83.9	[illegible]5.2	85.9	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	[illegible]	79.7	83.9	[illegible]5.5	86.1	86.3	87.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	[illegible]	[illegible]0.7	83.6	86.1	87.1	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	[illegible]	[illegible]0.7	83.9	[illegible]6.5	87.4	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	[illegible]	[illegible]0.7	84.9	[illegible]7.1	87.4	89.4	91.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	[illegible]	[illegible]0.7	84.5	[illegible]7.7	88.1	90.3	91.9	92.3	92.3	93.2	93.9	93.9	93.9	93.9	93.9	93.9
≥ 300	[illegible]	[illegible]1.3	84.5	[illegible]9.1	89.7	91.0	92.3	93.2	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.6	94.5	95.9	96.1	97.1	97.1	97.1	97.1
≥ 100	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.9	95.5	96.8	97.1	98.1	98.4	98.7	99.4
≥ 0	[illegible]	[illegible]1.3	84.5	[illegible]9.4	[illegible]9.7	91.3	92.9	93.6	93.9	95.5	96.8	97.1	98.1	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]31[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.6	55.7	57.0	57.3	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	.6	62.5	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4
≥ 14000	.6	62.7	64.4	64.9	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	.6	63.7	65.5	66.1	66.5	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
≥ 10000	.6	67.1	69.1	69.9	70.4	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9
≥ 9000	.6	67.4	69.5	70.2	70.7	70.9	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 8000	.6	72.3	74.6	75.6	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	.6	73.1	75.7	76.7	77.5	77.7	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	.6	73.9	76.5	77.5	78.4	78.6	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	.6	75.6	78.4	79.5	80.5	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	.6	76.7	79.6	80.8	81.8	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
≥ 4000	.6	78.9	81.7	83.2	84.4	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1
≥ 3500	.6	79.6	82.5	84.0	85.2	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	.7	81.9	85.1	86.9	88.3	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	.7	82.7	86.0	88.0	89.3	89.7	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	.7	83.4	86.7	88.9	90.4	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.5	91.5
≥ 1800	.7	83.6	86.9	89.1	90.6	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	.7	84.4	88.0	90.5	92.0	92.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 1200	.7	84.8	88.5	91.2	92.8	93.3	93.6	93.7	93.7	93.8	93.9	93.9	93.9	93.9	94.0	94.0
≥ 1000	.7	85.2	89.2	92.2	94.0	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.4	95.4
≥ 900	.7	85.2	89.2	92.5	94.3	95.0	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.8	95.8
≥ 800	.7	85.3	89.5	92.8	94.8	95.5	95.9	95.9	95.9	96.1	96.2	96.2	96.2	96.3	96.4	96.4
≥ 700	.7	85.4	89.6	93.0	95.1	96.0	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.1	97.1
≥ 600	.7	85.5	89.9	93.3	95.4	96.4	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.6	97.6
≥ 500	.7	85.7	90.2	93.7	95.9	97.0	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3	98.3
≥ 400	.7	85.7	90.3	93.8	96.3	97.5	98.1	98.2	98.2	98.5	98.6	98.6	98.7	98.7	98.9	98.9
≥ 300	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.8	98.8	98.9	99.0	99.3	99.3
≥ 200	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.9	99.0	99.2	99.3	99.5	99.6
≥ 100	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	99.9
0	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1771	PATUXENT RIVER, MARYLAND	73-77	JAN
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	47.1	48.2	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	.4	53.8	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	.4	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	.4	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	.4	53.3	54.6	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	.4	54.0	55.4	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	.5	57.7	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	.5	58.2	59.8	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	.5	63.3	65.1	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	.5	65.1	67.0	67.8	68.1	68.3	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	.5	65.5	67.5	68.3	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	.5	67.1	68.9	69.8	70.3	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	.5	68.7	70.9	72.1	72.6	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	.5	70.4	72.7	74.2	74.8	75.0	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	.5	71.1	73.6	75.2	75.9	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 3000	.5	73.1	75.9	77.6	78.6	78.8	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5
≥ 2500	.6	74.0	76.9	78.8	79.8	80.0	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.8
≥ 2000	.6	75.1	78.2	80.2	81.3	81.5	82.1	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.6	75.3	78.4	80.5	81.5	81.8	82.4	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	.6	76.1	79.3	81.6	82.9	83.2	83.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 1200	.6	76.5	79.9	82.2	83.7	84.0	84.7	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.4
≥ 1000	.6	76.8	80.3	83.2	84.9	85.4	86.4	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥ 900	.6	76.9	80.4	83.4	85.4	86.0	86.9	87.2	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 800	.6	77.0	80.6	83.9	86.2	86.8	87.8	88.2	88.3	88.8	88.9	88.9	88.9	88.9	89.0	89.1
≥ 700	.6	77.2	80.9	84.5	87.0	87.7	88.7	89.1	89.2	89.8	89.9	89.9	90.0	90.0	90.1	90.2
≥ 600	.6	77.4	81.2	84.8	87.6	88.3	89.5	90.0	90.1	90.8	90.9	90.9	91.0	91.0	91.1	91.2
≥ 500	.6	77.6	81.5	85.3	88.5	89.5	91.0	91.6	91.7	92.4	92.7	92.7	92.8	92.9	93.0	93.1
≥ 400	.6	77.6	81.7	85.5	89.1	90.4	92.0	92.9	92.9	93.8	94.2	94.2	94.6	94.6	94.7	94.9
≥ 300	.6	77.7	81.7	85.7	89.4	90.7	92.9	94.1	94.2	95.5	95.9	95.9	96.5	96.6	96.9	97.1
≥ 200	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.3	94.5	95.9	96.5	96.6	97.5	97.7	98.1	98.5
≥ 100	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	96.2	96.8	96.9	98.1	98.3	98.9	99.6
≥ 0	.6	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	96.2	96.8	96.9	98.1	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2476

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[redacted] PATUXENT RIVER, MARYLAND 73-77 MAY

STATION STATION NAME YEARS MONTH

01

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.2	54.4	56.6	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 18000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 16000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-82 | FEB

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.[illegible]	53.2	54.3	54.6	54.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000		[illegible].5	60.6	61.7	62.1	62.1	62.1	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000		58.9	61.[illegible]	62.1	62.4	62.4	62.4	62.6	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 16000		58.9	61.[illegible]	62.1	62.4	62.4	62.4	62.8	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 14000		59.2	61.4	62.4	62.9	62.6	62.8	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000		59.2	62.1	63.1	63.5	63.5	63.5	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		64.2	67.0	68.1	68.4	68.4	68.4	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000		64.5	67.4	68.4	68.8	68.8	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000		69.4	71.3	72.3	72.7	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000		69.4	71.3	72.3	72.7	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000		69.2	72.[illegible]	73.1	73.4	73.8	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000		70.2	73.4	74.5	74.8	75.2	75.2	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500		71.3	74.5	75.5	75.9	76.2	76.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000		72.0	75.2	76.6	77.0	77.3	77.3	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500		73.1	76.2	77.7	78.0	78.4	78.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		73.8	77.7	79.1	79.4	79.8	79.8	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500		74.3	78.7	80.1	80.9	81.2	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		75.9	80.5	81.9	82.6	83.3	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800		75.9	80.5	81.9	82.6	83.3	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500		76.3	81.2	82.6	83.3	84.0	84.4	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200		77.1	81.9	83.3	84.4	85.1	85.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		77.3	82.3	83.7	84.8	85.5	86.2	86.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900		77.7	83.3	84.4	85.5	86.3	86.9	87.9	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.[illegible]
≥ 800		78.7	84.0	85.5	86.5	87.2	87.9	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700		78.7	84.0	85.5	86.9	87.6	88.3	89.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600		79.4	84.9	86.2	87.6	88.3	89.4	90.4	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500		79.4	84.9	86.2	87.6	88.3	89.7	91.1	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400		79.8	85.1	86.5	87.3	89.4	91.1	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300		79.3	85.1	86.5	87.3	89.4	91.5	93.3	93.3	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 200		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.4	95.7	95.7	95.7	95.7	96.1	96.1
≥ 100		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.7	96.1	96.1	97.2	97.5	97.9	99.3
≥ 0		79.8	85.1	86.5	89.0	90.1	92.2	94.3	94.3	95.7	96.1	96.1	97.2	97.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAY (MONTH)

04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.2	50.7	51.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000		51.6	58.1	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		53.2	60.3	61.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		53.9	61.0	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000		57.7	65.8	68.1	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000		58.4	66.5	68.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		58.7	66.8	69.0	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000		61.0	69.0	71.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500		61.3	69.7	72.3	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000		62.6	71.3	73.9	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500		62.9	71.6	74.2	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		63.9	73.6	76.8	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500		64.5	74.2	77.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		64.8	75.2	79.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200		66.1	76.5	81.3	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		66.1	76.5	82.3	86.5	87.1	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900		66.5	77.4	83.2	87.4	88.4	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800		66.5	77.4	83.2	87.4	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700		66.5	77.4	83.2	87.7	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600		67.1	78.1	84.2	89.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500		67.1	78.7	85.2	90.7	92.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 400		67.1	79.4	85.8	92.3	94.2	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300		67.1	79.7	86.1	93.2	95.8	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.4	99.7	99.7	100.0	100.0
≥ 0		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND [illegible] FEB

STATION STATION NAME YEARS MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	50.0	50.4	51.1	52.1	52.8	53.2	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	.4	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	.4	57.5	58.5	59.9	61.4	62.1	62.4	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	.4	61.0	62.8	64.2	65.6	66.3	66.7	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.4	61.4	63.1	64.5	66.0	66.7	67.0	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	.4	64.2	66.7	68.4	69.9	70.9	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	.4	65.6	68.4	70.2	71.6	72.7	73.1	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000	.4	66.0	68.8	70.6	72.0	73.1	73.4	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	.4	66.3	69.2	70.9	72.3	73.4	73.8	74.1	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	.4	67.7	70.6	72.3	73.8	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	.4	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	.4	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	.4	70.2	73.1	74.8	77.3	78.7	79.4	79.8	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	.4	70.2	73.1	74.8	77.7	79.4	80.1	80.5	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	.4	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.4	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	.4	72.0	74.8	77.0	79.8	81.6	82.3	82.6	83.0	83.7	84.0	84.0	84.0	84.0	84.4	84.4
≥ 1200	.4	72.7	75.5	78.0	81.2	83.0	83.7	84.0	84.4	85.1	85.5	85.5	85.5	85.5	85.9	85.8
≥ 1000	.4	72.7	75.5	78.4	81.6	83.3	84.4	84.8	85.1	86.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 900	.4	73.1	75.9	78.7	81.9	83.7	84.8	85.1	85.5	86.5	87.6	87.6	87.6	87.6	87.9	87.9
≥ 800	.4	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.7	88.7
≥ 700	.4	73.4	76.2	79.1	82.3	84.0	85.1	85.8	86.5	87.9	89.0	89.0	89.0	89.0	89.4	89.4
≥ 600	.4	73.4	76.6	79.4	82.6	84.8	86.2	86.9	87.6	89.0	90.1	90.1	90.1	90.1	90.4	90.4
≥ 500	.4	73.4	76.6	79.8	83.3	85.8	87.6	88.3	89.0	90.4	91.5	91.5	91.5	91.5	91.8	91.8
≥ 400	.4	73.4	76.6	80.1	83.7	86.2	88.3	89.0	89.7	91.1	92.2	92.2	92.2	92.6	93.3	93.3
≥ 300	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.1	90.8	92.6	93.6	93.6	94.0	94.0	94.7	95.0
≥ 200	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.0	95.0	96.1	96.4
≥ 100	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.4	95.7	97.5	100.0
≥ 0	.4	73.4	76.6	80.1	83.7	86.5	88.7	90.4	91.5	93.3	94.3	94.7	95.4	95.7	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAY (MONTH) 07 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	44.2	47.7	49.7	50.0	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.3	51.3	51.3
≥ 20000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 18000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 16000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 14000		45.2	51.3	54.8	56.8	57.4	57.7	58.1	58.1	58.7	58.7	58.7	58.7	59.0	59.0	59.0
≥ 12000		45.5	51.6	55.2	57.1	57.7	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4
≥ 10000		47.7	54.8	59.0	61.0	61.6	61.9	62.3	62.3	62.9	62.9	62.9	62.9	63.2	63.2	63.2
≥ 9000		48.4	55.5	60.0	61.9	62.6	62.9	63.2	63.2	63.9	63.9	63.9	63.9	64.2	64.2	64.2
≥ 8000		50.7	57.7	63.6	65.5	66.1	66.5	66.8	66.8	67.4	67.4	67.4	67.4	67.7	67.7	67.7
≥ 7000		51.0	58.1	63.9	65.8	66.5	66.8	67.1	67.1	67.7	67.7	67.7	67.7	68.1	68.1	68.1
≥ 6000		51.0	58.1	63.9	66.1	66.8	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.4	68.4	68.4
≥ 5000		51.0	58.1	64.2	66.5	67.1	67.7	68.1	68.1	68.7	68.7	68.7	68.7	69.0	69.0	69.0
≥ 4500		51.6	58.7	64.8	67.1	68.4	69.0	69.4	69.4	70.0	70.0	70.0	70.0	70.3	70.3	70.3
≥ 4000		52.9	60.0	66.5	68.7	70.3	71.0	71.3	71.3	71.9	71.9	71.9	71.9	72.3	72.3	72.3
≥ 3500		52.9	60.0	66.8	69.0	71.0	71.6	71.9	71.9	72.6	72.6	72.6	72.6	72.9	72.9	72.9
≥ 3000		53.2	61.0	68.1	70.7	73.2	73.9	74.2	74.2	74.8	74.8	74.8	74.8	75.2	75.2	75.2
≥ 2500		54.5	61.9	69.4	71.9	74.5	75.2	75.5	75.5	76.1	76.1	76.1	76.1	76.5	76.5	76.5
≥ 2000		55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4
≥ 1800		55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4
≥ 1500		55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0
≥ 1200		55.5	63.2	71.6	75.2	77.7	78.4	79.7	79.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7
≥ 1000		56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6
≥ 900		56.8	64.2	73.2	77.1	80.3	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.6	83.6	83.6
≥ 800		57.1	64.8	74.2	78.7	81.9	82.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2
≥ 700		57.1	64.8	75.2	80.7	83.9	85.2	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7
≥ 600		57.1	64.8	75.2	80.7	84.5	86.1	87.7	87.7	88.4	88.4	88.4	88.4	88.7	88.7	88.7
≥ 500		57.1	64.9	75.8	82.3	86.9	88.7	90.7	90.7	91.3	91.6	91.6	91.6	91.9	92.3	92.3
≥ 400		57.4	65.2	77.1	84.8	89.4	91.6	93.9	93.9	94.5	95.2	95.2	95.2	95.5	95.8	95.8
≥ 300		57.4	65.2	77.1	85.2	90.0	92.3	94.8	94.8	95.5	96.5	96.8	96.8	97.1	97.7	97.7
≥ 200		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	99.0
≥ 100		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0
≥ 0		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-82 FEB

STATION STATION NAME YEARS MONTH

10

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	48.2	49.3	49.7	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	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	1.[illegible]	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	1.[illegible]	58.2	59.6	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	1.8	59.6	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	1.8	62.4	64.2	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	1.[illegible]	63.1	64.9	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.[illegible]	67.7	70.2	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	1.[illegible]	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	1.[illegible]	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	1.[illegible]	69.5	72.7	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	1.[illegible]	70.6	73.8	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.8	71.6	75.2	75.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	1.[illegible]	73.1	76.6	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.[illegible]	75.2	78.7	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	1.8	75.5	79.1	79.8	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	1.[illegible]	75.5	79.1	80.1	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	1.[illegible]	75.5	79.1	80.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	1.[illegible]	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	1.[illegible]	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	1.[illegible]	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	1.8	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6
≥ 800	1.8	76.6	80.5	82.3	85.8	86.9	87.6	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 700	1.[illegible]	77.0	81.2	83.3	86.9	87.9	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.7
≥ 600	1.8	77.0	81.6	83.7	87.2	88.7	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.8
≥ 500	1.8	77.0	81.6	84.0	87.6	89.0	90.4	91.1	91.1	91.8	91.8	91.8	92.6	92.6	92.6	92.9
≥ 400	1.8	77.3	81.9	84.4	87.9	89.4	91.1	92.2	92.2	93.3	93.3	93.3	94.0	94.0	94.3	94.7
≥ 300	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.1	92.9	92.9	94.7	94.7	94.7	95.4	95.4	95.7	96.1
≥ 200	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.5	97.5	97.9	98.2
≥ 100	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.9
≥ 0	1.[illegible]	77.3	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1'721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

10 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		49.4	55.5	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000		49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000		49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000		50.0	56.1	58.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000		50.3	56.5	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		53.6	60.0	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		53.9	60.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		56.1	62.6	66.5	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000		57.1	63.9	68.1	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000		57.4	64.2	68.4	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000		57.7	64.5	69.4	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500		58.4	65.2	70.3	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000		59.7	66.5	71.6	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		60.0	66.8	71.9	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000		61.3	69.0	74.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		62.3	70.3	76.5	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000		63.2	71.9	78.4	81.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800		63.2	72.3	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		63.6	72.9	79.4	81.9	82.6	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200		64.2	74.2	81.3	83.9	84.5	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		64.8	76.1	83.6	87.1	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		65.2	76.5	84.2	87.7	88.4	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		65.5	76.8	84.5	88.4	89.0	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700		65.8	77.1	85.2	89.7	91.0	92.9	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600		65.8	77.1	85.5	90.3	91.6	93.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		65.8	77.1	85.8	91.0	92.9	96.1	96.5	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.1	99.4	98.4	98.7	98.7	98.7	98.7
≥ 300		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.4	98.7	98.7	99.4	99.4	99.4	99.4
≥ 200		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
≥ 100		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
0		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	52.1	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	52.5
≥ 20000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	1.[illegible]	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	1.[illegible]	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	1.[illegible]	66.7	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	1.[illegible]	67.4	68.1	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	1.[illegible]	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	1.[illegible]	70.9	72.3	73.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	1.[illegible]	71.3	72.7	73.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	1.[illegible]	71.5	73.4	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	1.[illegible]	72.0	74.1	74.8	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.[illegible]	73.8	76.2	77.0	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	1.[illegible]	74.1	76.6	77.3	78.7	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.[illegible]	76.2	79.1	79.8	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	1.[illegible]	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	1.[illegible]	77.7	80.5	81.2	83.3	84.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	1.[illegible]	79.1	82.3	83.0	85.1	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	1.[illegible]	79.1	82.6	83.3	86.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	1.[illegible]	79.1	82.6	83.3	86.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	1.[illegible]	79.1	82.6	84.4	87.6	89.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	1.[illegible]	79.1	82.6	84.4	88.3	89.7	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	1.[illegible]	79.1	82.6	84.4	89.4	90.8	93.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	1.[illegible]	79.1	82.6	84.4	89.7	91.1	94.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	1.[illegible]	79.1	82.6	84.8	90.4	91.6	95.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	97.2	97.5
≥ 300	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.5	97.9	98.3
≥ 200	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.5	97.5	97.9	98.6	98.9
≥ 100	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.9	97.9	98.6	99.3	100.0
0	1.[illegible]	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.9	97.9	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.6	45.2	46.5	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		51.6	56.1	58.1	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000		53.6	59.0	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		53.9	59.4	61.6	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 8000		56.1	62.6	65.2	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000		56.4	63.2	65.8	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000		57.1	63.6	66.1	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000		58.1	64.8	67.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500		58.1	64.8	68.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		59.7	66.8	70.7	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		60.3	67.4	71.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000		66.1	74.2	78.1	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		66.5	75.2	79.0	82.3	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		67.7	76.5	81.3	85.8	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		67.7	76.5	81.3	85.8	86.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500		69.4	78.4	83.2	89.0	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200		70.0	79.0	83.9	89.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		70.3	79.4	84.5	91.0	91.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900		70.7	80.0	85.2	91.6	92.6	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800		70.7	80.3	86.1	92.6	93.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		70.7	80.3	86.1	92.9	93.9	97.1	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600		71.0	80.7	86.5	93.6	94.5	97.7	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7
≥ 500		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.1
≥ 400		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 200		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	[illegible]1.4	51.8	51.8	[illegible]2.1	[illegible]2.1	52.1	[illegible]2.1	52.1	52.1	52.1	52.1	[illegible]2.1	52.1	52.1	[illegible]2.1
≥ 20000	1.[illegible]	59.9	60.3	60.6	61.4	61.4	61.4	[illegible]1.4	[illegible]1.4	61.4	61.4	61.4	61.4	61.4	61.4	[illegible]1.4
≥ 18000	1.[illegible]	[illegible]9.9	6[illegible].3	60.6	61.4	[illegible]1.4	61.4	[illegible]1.4	[illegible]1.4	61.4	61.4	61.4	[illegible]1.4	61.4	61.4	[illegible]1.4
≥ 16000	1.[illegible]	[illegible]0.3	[illegible]0.6	61.0	61.7	61.7	61.7	[illegible]1.7	[illegible]1.7	61.7	61.7	61.7	[illegible]1.7	61.7	61.7	[illegible]1.7
≥ 14000	1.[illegible]	[illegible]1.0	61.4	61.7	62.4	[illegible]2.4	62.4	[illegible]2.4	[illegible]2.4	62.4	62.4	62.4	[illegible]2.4	62.4	62.4	[illegible]2.4
≥ 12000	1.[illegible]	[illegible]2.4	[illegible]3.1	63.5	64.2	[illegible]4.2	64.2	[illegible]4.2	[illegible]4.2	64.2	64.2	64.2	[illegible]4.2	64.2	64.2	[illegible]4.2
≥ 10000	1.[illegible]	[illegible]3.5	64.2	64.9	65.6	[illegible]5.6	65.6	[illegible]5.6	[illegible]5.6	65.6	65.6	65.6	[illegible]5.6	65.6	65.6	[illegible]5.6
≥ 9000	1.[illegible]	[illegible]3.8	64.5	65.3	66.0	[illegible]6.0	66.0	[illegible]6.0	[illegible]6.0	66.0	66.0	66.0	[illegible]6.0	66.0	66.0	[illegible]6.0
≥ 8000	1.[illegible]	67.4	[illegible]8.8	69.5	70.2	[illegible]0.2	70.2	[illegible]0.2	[illegible]0.2	70.2	70.2	70.2	[illegible]0.2	70.2	70.2	[illegible]0.2
≥ 7000	1.[illegible]	67.7	69.2	69.9	[illegible]0.6	70.6	[illegible]0.9	[illegible]0.9	[illegible]0.9	71.3	71.3	71.3	[illegible]1.3	71.3	71.3	[illegible]1.3
≥ 6000	1.[illegible]	[illegible]8.4	69.9	[illegible]0.6	71.3	[illegible]1.3	71.6	[illegible]1.6	[illegible]1.6	72.0	72.0	72.0	[illegible]2.0	72.0	72.0	[illegible]2.0
≥ 5000	1.[illegible]	[illegible]8.8	[illegible]0.9	71.6	72.3	[illegible]2.3	72.7	[illegible]2.7	[illegible]2.7	73.1	73.1	73.1	[illegible]3.1	73.1	73.1	[illegible]3.1
≥ 4500	1.[illegible]	71.3	74.1	74.8	75.5	[illegible]5.5	75.9	[illegible]5.9	[illegible]5.9	76.2	76.2	76.2	[illegible]6.2	76.2	76.2	[illegible]6.2
≥ 4000	1.[illegible]	72.3	75.2	75.9	76.6	[illegible]6.6	77.0	[illegible]7.0	[illegible]7.0	77.3	77.7	77.7	[illegible]7.7	78.0	78.0	[illegible]7.0
≥ 3500	1.[illegible]	73.1	76.2	77.0	77.7	[illegible]7.7	78.0	[illegible]8.0	[illegible]8.0	78.4	78.7	78.7	[illegible]8.7	79.1	79.1	[illegible]9.1
≥ 3000	1.[illegible]	74.[illegible]	7[illegible].0	79.1	80.5	[illegible]0.5	80.9	[illegible]0.9	[illegible]0.9	81.2	81.6	81.6	[illegible]1.9	81.9	81.9	[illegible]1.9
≥ 2500	1.[illegible]	74.[illegible]	7[illegible].4	79.4	80.9	[illegible]0.9	81.2	[illegible]1.2	[illegible]1.2	81.6	81.9	81.9	[illegible]2.3	82.3	82.3	[illegible]2.3
≥ 2000	1.[illegible]	74.8	79.1	80.5	82.3	[illegible]2.3	82.6	[illegible]2.6	[illegible]2.6	83.0	83.3	83.3	[illegible]3.7	83.7	83.7	[illegible]3.7
≥ 1800	1.[illegible]	74.8	79.1	[illegible]2.9	82.6	[illegible]2.6	83.0	[illegible]3.0	[illegible]3.0	83.3	83.7	83.7	[illegible]4.0	84.0	84.0	[illegible]4.0
≥ 1500	1.[illegible]	75.5	[illegible]0.1	[illegible]1.9	84.0	[illegible]4.0	84.8	[illegible]4.8	[illegible]4.8	85.1	85.5	85.5	[illegible]5.8	85.8	85.8	[illegible]5.8
≥ 1200	1.[illegible]	76.6	81.2	[illegible]3.0	85.5	[illegible]5.5	86.2	[illegible]6.2	[illegible]6.2	86.9	87.2	87.2	[illegible]7.6	87.6	87.6	[illegible]7.6
≥ 1000	1.[illegible]	76.6	81.9	[illegible]3.7	87.6	[illegible]7.9	89.0	[illegible]9.0	[illegible]9.0	89.7	90.1	90.1	[illegible]0.8	90.8	90.8	[illegible]0.8
≥ 900	1.[illegible]	76.6	81.9	[illegible]4.0	88.3	[illegible]8.7	89.7	[illegible]9.7	[illegible]9.7	90.4	90.8	90.8	[illegible]1.5	91.5	91.5	[illegible]1.5
≥ 800	1.[illegible]	76.6	81.9	[illegible]4.0	88.3	[illegible]9.0	90.4	[illegible]0.4	[illegible]0.4	91.1	91.5	91.5	[illegible]2.2	92.2	92.2	[illegible]2.2
≥ 700	1.[illegible]	76.6	[illegible]2.3	[illegible]4.4	[illegible]9.0	[illegible]9.7	91.8	[illegible]2.2	[illegible]2.2	[illegible]2.9	93.3	93.3	[illegible]4.0	94.0	94.0	[illegible]4.0
≥ 600	1.[illegible]	76.6	[illegible]2.3	[illegible]4.4	[illegible]9.4	[illegible]0.1	[illegible]2.2	[illegible]2.6	[illegible]2.6	[illegible]3.3	[illegible]3.6	[illegible]3.6	[illegible]4.3	94.3	94.3	[illegible]4.3
≥ 500	1.[illegible]	76.6	[illegible]3.1	[illegible]5.3	[illegible]0.1	[illegible]0.[illegible]	[illegible]2.9	[illegible]3.3	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]4.7	[illegible]6.1	96.1	96.1	[illegible]6.1
≥ 400	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.3	[illegible]4.0	[illegible]4.3	[illegible]5.0	[illegible]5.4	[illegible]5.4	[illegible]6.8	96.8	96.8	[illegible]7.2
≥ 300	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]5.7	[illegible]6.1	[illegible]6.1	[illegible]7.9	97.9	97.9	[illegible]8.2
≥ 200	1.[illegible]	77.1	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	[illegible]9.3
≥ 100	1.[illegible]	77.[illegible]	[illegible]3.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	[illegible]9.7
≥ 0	1.[illegible]	77.0	83.3	[illegible]5.8	[illegible]0.4	[illegible]1.1	[illegible]3.6	[illegible]4.3	[illegible]4.7	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]9.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]92

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-92	MAY
STATION	STATION NAME	YEARS	MONTH

16
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.1	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000		59.0	67.4	71.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000		60.7	69.4	73.9	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000		61.0	69.7	74.2	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		61.9	71.3	75.8	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500		62.6	71.9	76.5	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		63.2	72.9	78.1	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		63.9	73.6	78.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		68.1	78.4	83.6	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500		68.4	78.7	84.5	86.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500		70.3	81.0	88.7	91.3	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		70.7	81.3	89.7	92.9	93.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700		70.7	81.3	90.0	93.6	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		70.7	81.3	90.0	93.6	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		70.7	81.3	90.3	94.2	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 400		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 300		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.7	99.7
≥ 200		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0
≥ 100		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0
≥ 0		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | FEB

STATION | STATION NAME | YEARS | MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.6	55.7	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
≥ 20000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 18000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 16000		59.9	62.1	62.8	62.9	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 14000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 12000		61.4	63.5	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 10000		63.5	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0
≥ 9000		63.3	66.0	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4
≥ 8000		67.4	69.5	70.2	70.6	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 7000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 6000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 5000		69.9	72.3	73.1	73.4	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
≥ 4500		71.3	73.8	74.5	75.9	75.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.0	77.0
≥ 4000		72.3	75.2	75.9	77.7	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7
≥ 3500		73.1	76.9	76.6	79.4	78.4	79.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
≥ 3000		75.5	78.7	79.8	81.9	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
≥ 2500		77.0	80.1	81.2	83.3	83.3	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8	84.8
≥ 2000		77.7	81.2	82.3	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
≥ 1800		77.7	81.2	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5
≥ 1500		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1200		78.0	81.6	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1000		78.2	81.9	84.0	87.2	87.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
≥ 900		78.2	81.9	84.0	87.2	87.2	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.7	89.7
≥ 800		78.2	81.9	84.4	87.6	87.6	89.1	.4	89.4	90.8	90.4	90.4	90.8	90.8	91.1	91.1
≥ 700		78.9	82.6	85.1	88.3	88.3	91.8	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.8	91.8
≥ 600		78.9	82.6	85.1	88.7	88.7	91.5	91.8	91.8	92.2	92.6	92.6	92.9	92.9	93.3	93.3
≥ 500		78.4	83.7	86.2	89.7	89.7	92.6	92.9	92.9	93.6	94.0	94.0	94.3	94.3	94.7	94.7
≥ 400		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	95.7	95.7
≥ 300		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	96.8	96.8
≥ 200		78.4	83.7	86.2	90.1	90.1	93.3	93.6	93.6	94.3	94.7	95.0	95.4	95.4	96.8	97.2
≥ 100		78.4	83.7	86.2	90.1	90.1	94.0	94.3	94.3	95.0	95.4	95.7	96.5	96.5	98.2	99.3
≥ 0		78.4	83.7	86.2	90.1	90.1	94.0	94.3	94.3	95.0	95.4	95.7	96.5	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 212

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-77	MAY
STATION	STATION NAME	YEARS	MONTH

19
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.5	47.7	50.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		54.2	58.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000		54.2	58.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000		54.5	58.4	61.9	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000		54.8	58.7	62.3	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		55.1	59.4	62.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000		57.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000		57.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		62.9	69.4	74.5	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		63.2	70.7	76.1	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000		63.9	71.3	76.8	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000		64.2	71.3	77.4	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		65.2	72.3	78.7	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		66.5	73.9	80.7	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500		67.4	74.9	81.6	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000		70.7	78.1	84.8	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		70.7	78.4	85.5	89.0	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		70.7	78.7	85.8	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800		70.7	78.7	85.8	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500		71.3	79.4	87.1	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200		71.9	80.0	87.7	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		71.9	80.0	88.1	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900		71.9	80.0	88.1	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800		72.3	80.3	88.7	93.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700		72.3	81.0	89.7	94.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600		72.3	81.0	89.7	94.5	95.5	96.5	96.5	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500		72.3	81.0	90.0	95.2	96.5	97.7	97.7	97.7	98.4	98.7	98.7	98.7	98.7	99.0	99.0
≥ 400		72.3	81.0	90.0	95.2	96.5	98.1	98.4	98.4	99.0	99.4	99.4	99.4	99.4	99.7	99.7
≥ 300		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION [illegible] STATION NAME PATUXENT RIVER, MARYLAND YEARS 77-[illegible] MONTH FEB HOURS (L S T) 22

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.7	57.5	58.9	60.6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4	61.4
≥ 20000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 18000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 16000		61.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
≥ 14000		61.7	62.9	64.2	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7
≥ 12000		62.4	63.5	64.9	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
≥ 10000		65.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
≥ 9000		65.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
≥ 8000		69.8	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
≥ 7000		69.8	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
≥ 6000		69.8	71.3	73.1	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.9
≥ 5000		70.2	71.6	73.4	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.9	75.9	76.2
≥ 4500		72.0	74.1	75.9	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	79.1
≥ 4000		73.1	75.9	78.0	80.5	80.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.6
≥ 3500		73.4	76.2	78.4	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6	81.9
≥ 3000		75.2	78.0	80.1	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.7
≥ 2500		75.2	78.0	80.9	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.4
≥ 2000		76.2	79.1	81.9	84.4	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.8
≥ 1800		76.2	79.1	81.9	84.4	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.8
≥ 1500		77.3	80.1	83.3	86.2	86.2	86.5	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.6
≥ 1200		77.7	80.5	83.7	86.5	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.5	87.9
≥ 1000		78.0	80.9	84.0	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.4
≥ 900		78.4	80.9	84.3	87.9	87.9	88.7	89.0	89.0	89.1	89.1	89.0	89.0	89.4	89.4	89.7
≥ 800		78.4	80.9	84.3	87.9	87.9	88.7	89.0	89.0	89.1	89.1	89.0	89.0	89.4	89.4	89.7
≥ 700		78.4	81.2	84.8	88.7	89.1	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.8
≥ 600		78.4	81.2	84.8	88.7	89.7	90.4	90.8	90.8	90.8	90.8	90.8	90.8	91.1	91.1	91.5
≥ 500		78.7	81.6	85.5	89.4	90.5	91.5	91.8	91.8	91.8	91.8	92.2	92.2	92.5	92.9	92.9
≥ 400		78.7	81.6	85.8	89.7	91.5	92.9	94.0	94.0	94.0	94.0	94.3	94.3	94.7	95.0	95.0
≥ 300		78.7	81.9	86.2	90.4	92.2	93.6	94.0	95.0	95.0	95.0	95.7	95.7	96.1	96.5	96.8
≥ 200		78.7	81.9	86.2	90.4	92.2	93.6	95.0	95.0	95.0	95.0	95.7	95.7	96.1	96.5	96.8
≥ 100		78.7	81.9	86.2	90.4	92.6	94.0	95.7	95.7	95.7	95.7	96.5	96.5	96.8	97.2	98.2
≥ 0		78.7	81.9	86.2	90.4	92.6	94.0	95.7	95.7	95.7	95.7	96.5	96.5	96.8	97.2	98.2

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | MAY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	55.2	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000		55.5	60.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		56.5	61.6	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		59.4	64.5	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000		59.4	64.5	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000		63.6	69.7	73.9	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000		64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000		64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		64.5	71.9	76.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		65.8	73.2	77.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000		67.7	75.5	80.0	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		68.4	76.8	81.3	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		70.0	79.4	84.2	86.1	86.5	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		70.0	80.0	85.5	87.7	88.1	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000		70.0	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		70.3	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500		71.3	82.3	88.1	91.0	91.3	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		71.3	82.6	88.7	91.6	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000		71.3	82.6	88.7	92.3	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900		71.6	83.2	89.4	92.9	93.2	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		72.3	83.9	90.0	93.9	94.2	94.8	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700		72.3	83.9	90.3	94.2	94.5	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600		72.3	84.2	90.7	94.8	95.5	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500		72.6	84.5	91.0	95.5	96.1	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		72.6	84.5	91.3	95.8	96.5	97.4	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-77 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	52.3	53.4	53.9	54.6	54.7	54.7	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2
≥ 20000	.7	59.4	60.6	61.3	62.0	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 18000	.7	59.4	60.6	61.3	62.1	62.2	62.2	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.7	62.7
≥ 16000	.7	59.5	60.7	61.4	62.1	62.2	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7
≥ 14000	.7	59.5	61.0	61.7	62.4	62.5	62.6	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0
≥ 12000	.7	60.9	62.4	63.2	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 10000	.7	64.2	65.6	66.4	67.2	67.2	67.3	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 9000	.7	64.5	66.1	66.8	67.6	67.7	67.8	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.3
≥ 8000	.7	67.7	69.7	70.6	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.2	72.3	72.3
≥ 7000	.7	68.4	70.6	71.5	72.5	72.7	72.9	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.4	73.5
≥ 6000	.7	68.8	71.0	71.9	72.9	73.1	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.9
≥ 5000	.7	69.6	72.1	73.0	74.1	74.3	74.5	74.7	74.7	74.9	74.9	74.9	74.9	75.0	75.0	75.0
≥ 4500	.7	71.0	73.8	74.7	76.0	76.3	76.4	76.6	76.6	76.8	76.9	76.9	76.9	76.9	77.0	77.0
≥ 4000	.7	72.0	75.4	76.5	78.0	78.3	78.5	78.6	78.7	78.9	79.0	79.0	79.0	79.0	79.1	79.1
≥ 3500	.7	72.9	76.7	77.1	78.6	79.0	79.1	79.3	79.4	79.6	79.7	79.7	79.7	79.7	79.8	79.8
≥ 3000	.7	74.6	77.8	79.1	80.9	81.3	81.5	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.2	82.2
≥ 2500	.7	75.1	78.4	79.7	81.7	82.1	82.5	82.7	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2
≥ 2000	.7	75.6	79.2	80.6	82.6	83.1	83.6	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.3	84.3
≥ 1800	.7	75.6	79.2	80.6	82.8	83.2	83.7	83.9	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1500	.7	76.2	79.9	81.6	83.8	84.4	84.9	85.2	85.2	85.5	85.6	85.6	85.6	85.7	85.8	85.9
≥ 1200	.7	76.9	80.5	82.3	84.6	85.2	85.7	86.0	86.0	86.3	86.4	86.4	86.5	86.5	86.6	86.7
≥ 1000	.7	77.1	81.1	82.9	85.7	86.5	87.5	87.8	87.9	88.2	88.4	88.4	88.5	88.5	88.6	88.7
≥ 900	.7	77.3	81.3	83.2	86.1	86.9	87.9	88.2	88.3	88.7	89.0	89.0	89.1	89.1	89.2	89.3
≥ 800	.7	77.4	81.4	83.6	86.7	87.5	88.7	89.1	89.2	89.7	89.9	89.9	90.0	90.1	90.2	90.3
≥ 700	.7	77.6	81.7	84.0	87.2	88.1	89.5	89.8	90.0	91.1	90.6	90.8	90.8	90.9	91.0	91.1
≥ 600	.7	77.6	81.9	84.3	87.7	88.6	90.3	90.6	90.9	91.7	91.5	91.8	91.8	92.0	92.0	92.1
≥ 500	.7	77.8	82.2	84.6	88.3	89.3	91.3	91.9	92.1	92.7	93.0	93.2	93.4	93.4	93.5	93.7
≥ 400	.7	77.9	82.4	85.2	88.9	90.1	92.2	93.1	93.2	93.9	94.2	94.3	94.7	94.8	95.0	95.2
≥ 300	.7	77.9	82.5	85.2	89.0	90.3	92.5	93.7	93.9	94.6	95.1	95.2	95.7	95.7	96.2	96.5
≥ 200	.7	77.9	82.5	85.2	89.1	90.5	92.7	94.0	94.2	95.2	95.7	95.9	96.6	96.7	97.3	97.7
≥ 100	.7	77.9	82.6	85.2	89.1	90.5	92.9	94.2	94.5	95.4	96.0	96.2	97.2	97.4	98.3	99.5
0	.7	77.9	82.6	85.2	89.1	90.5	92.9	94.2	94.5	95.4	96.0	96.2	97.2	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

727-1 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.6	4[illegible]	51.3	52.4	52.4	[illegible].6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000		51.3	55.[illegible]	59.2	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		51.3	56.8	59.3	60.5	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1
≥ 16000		51.4	56.9	59.3	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
≥ 14000		51.6	57.1	59.5	60.8	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4
≥ 12000		52.2	57.8	60.4	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000		54.6	60.7	63.6	65.0	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6
≥ 9000		54.9	61.0	64.0	65.4	65.5	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0
≥ 8000		58.6	65.4	69.3	71.1	71.2	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8
≥ 7000		59.3	66.4	70.4	72.3	72.5	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1
≥ 6000		59.[illegible]	66.6	70.7	72.7	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4
≥ 5000		60.4	67.7	72.1	74.1	74.4	74.8	74.8	74.8	74.9	74.9	74.9	74.9	75.0	75.0	75.0
≥ 4500		61.1	68.5	73.0	75.2	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1
≥ 4000		62.5	70.2	75.0	77.3	77.7	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500		63.0	70.8	75.7	78.0	78.5	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3000		65.4	73.9	79.0	81.7	82.3	82.8	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0
≥ 2500		65.8	74.6	80.1	82.9	83.5	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
≥ 2000		66.2	75.4	81.2	84.3	84.9	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 1800		66.2	75.4	81.3	84.4	85.0	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9
≥ 1500		67.1	76.4	82.7	86.2	87.0	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1
≥ 1200		67.6	77.1	83.6	87.2	87.9	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 1000		67.9	77.5	84.4	88.5	89.5	90.4	90.6	90.6	90.8	90.9	90.9	90.8	90.9	90.9	90.9
≥ 900		68.1	77.8	84.8	89.0	90.1	91.1	91.3	91.3	91.5	91.6	91.6	91.6	91.7	91.7	91.7
≥ 800		68.3	78.3	85.5	89.9	91.0	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9
≥ 700		68.4	78.5	86.0	90.8	92.0	93.3	93.7	93.7	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 600		68.6	78.7	86.4	91.3	92.7	94.1	94.5	94.5	94.8	94.9	94.9	94.9	95.0	95.0	95.0
≥ 500		68.6	78.9	86.9	92.2	93.8	95.7	96.1	96.1	96.6	96.7	96.7	96.8	96.9	97.0	97.0
≥ 400		68.7	79.0	87.3	93.0	94.7	96.7	97.3	97.3	97.7	97.9	97.9	98.0	98.1	98.2	98.3
≥ 300		68.7	79.1	87.4	93.3	95.1	97.2	98.0	98.1	98.6	98.9	98.9	99.0	99.1	99.3	99.3
≥ 200		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	99.1	99.2	99.4	99.5	99.7	99.8
≥ 100		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	99.1	99.2	99.5	99.6	99.8	100.0
≥ 0		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	99.1	99.2	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2479

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	51.5	52.1	52.1	2.4	52.4	[illegible]	[illegible]	52.4	52.4	52.4	52.4	52.4	52.4	[illegible]
≥ 20000		[illegible]	57.[illegible]	57.9	57.[illegible]	[illegible]	58.3	[illegible]	[illegible]	[illegible]	58.3	58.3	58.3	58.3	58.3	[illegible]
≥ 18000		[illegible]	57.[illegible]	57.4	57.[illegible]	[illegible]	58.3	[illegible]	[illegible]	[illegible]	58.3	58.3	58.3	58.3	58.3	[illegible]
≥ 16000		[illegible]	57.[illegible]	57.4	57.9	[illegible]	58.3	[illegible]	[illegible]	[illegible]	58.3	58.3	[illegible]	[illegible]	58.3	[illegible]
≥ 14000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000		[illegible]	57.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.7
≥ 9000		[illegible]	[illegible]	64.4	[illegible]	[illegible]	65.4	[illegible]	[illegible]	65.4	[illegible]	[illegible]	[illegible]	[illegible]	65.4	65.7
≥ 8000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000		[illegible]	[illegible]	[illegible]	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8
≥ 6000		[illegible]	[illegible]	[illegible]	71.5	71.8	71.8	71.8	[illegible]	71.8	71.8	71.8	71.8	71.8	71.8	[illegible]
≥ 5000		[illegible]	71.9	72.0	[illegible]	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.4
≥ 4500		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1500		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1200		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 900		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 700		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 600		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 500		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 0		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH) 01 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	50.7	55.3	57.3	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		43.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000		48.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000		48.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000		48.7	59.0	65.0	67.3	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		49.0	59.7	65.7	68.0	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000		53.0	63.7	70.0	72.7	73.0	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000		53.3	64.0	70.3	73.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000		56.3	68.0	75.7	78.3	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000		57.0	69.0	76.7	79.3	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		57.7	69.7	77.3	80.0	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		60.3	72.7	80.7	83.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		61.7	74.3	82.3	85.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000		63.3	76.3	84.7	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		63.3	76.7	85.3	88.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		64.3	78.0	86.7	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		64.7	78.3	87.0	90.3	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		66.0	79.7	88.3	92.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		66.0	80.3	89.0	92.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000		67.3	80.3	89.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		67.3	82.3	92.0	96.0	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		67.3	82.3	92.0	96.3	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		67.3	82.3	92.0	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		67.7	83.0	93.3	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		67.7	83.3	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.1	46.8	53.2	56.2	56.2	56.9	56.9	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000		44.5	51.5	58.5	62.5	62.5	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		45.2	52.2	59.2	63.2	63.2	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 10000		46.1	54.5	61.9	66.2	66.2	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000		47.2	54.9	62.2	66.6	66.6	67.2	67.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000		70.3	68.5	68.9	73.6	73.6	74.3	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		71.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 6000		51.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000		51.6	62.2	70.6	75.6	75.6	76.3	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500		52.5	63.2	71.6	76.6	76.6	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000		53.2	63.9	72.2	77.3	77.3	77.9	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500		54.5	65.6	73.9	78.9	78.9	79.6	79.9	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000		57.3	70.6	79.3	84.3	84.3	85.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		58.9	71.6	80.6	86.0	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000		60.2	72.9	82.6	88.3	88.3	89.3	89.6	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		60.2	72.9	82.9	88.6	88.6	89.6	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500		60.9	73.9	84.0	90.6	91.0	92.0	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200		61.2	74.3	84.6	91.3	91.6	92.6	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000		62.3	75.3	86.0	92.6	93.0	94.0	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		62.5	75.6	86.3	93.0	93.3	94.7	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		62.9	75.9	87.0	93.7	94.0	95.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		62.9	75.9	87.0	94.0	94.3	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600		62.9	76.3	87.6	94.7	95.3	97.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500		62.9	76.3	87.6	95.3	96.0	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		62.9	76.3	87.6	95.7	96.3	98.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		62.9	76.3	87.6	96.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		62.9	76.3	87.6	96.0	97.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		62.9	76.3	87.6	96.0	97.3	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		62.9	76.3	87.6	96.0	97.0	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

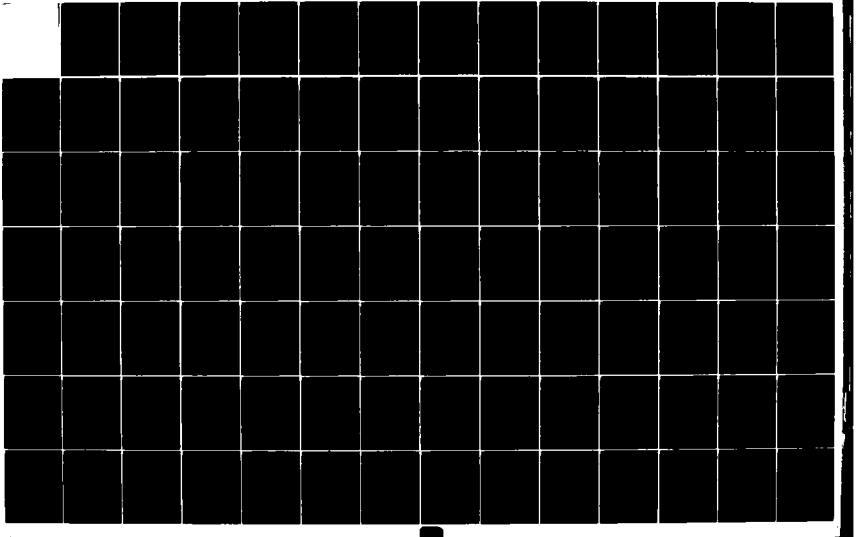
TOTAL NUMBER OF OBSERVATIONS 299

DIPNAVOCEANMET SMOS

AD-A150 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC NOV 83

3/4

UNCLASSIFIED F/G 4/2 NL



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-83	JUN
STATION	STATION NAME	YEARS	MONTH

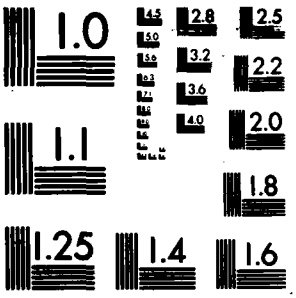
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.7	48.0	50.0	53.7	55.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		42.3	50.0	56.0	60.0	61.3	63.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		42.7	50.3	56.3	60.3	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		49.3	58.3	66.0	71.0	72.3	74.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000		50.0	59.3	67.0	72.0	73.3	75.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500		51.3	61.3	69.3	74.3	75.3	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		53.0	63.0	71.7	77.3	79.0	81.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500		54.0	64.0	73.0	79.7	80.3	83.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500		57.3	69.0	79.0	83.7	85.7	88.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200		57.7	69.0	79.0	84.7	86.7	89.3	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000		58.0	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900		58.3	69.7	79.7	86.0	88.0	90.7	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800		59.7	71.3	81.7	88.3	90.7	93.3	94.7	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700		59.7	71.3	81.7	88.7	91.0	93.7	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		60.3	71.7	82.0	89.3	91.7	94.7	96.3	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500		60.3	72.0	82.3	90.0	93.0	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
0		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS



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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION	STATION NAME	YEARS	MONTH
[illegible]721	PATUXENT RIVER, MARYLAND	73-82	MAR

HOURS (L S T) 07

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	38.1	40.3	41.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

10 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.7	45.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	1.3	52.1	54.1	55.7	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	1.3	52.4	54.7	56.3	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	1.3	52.8	55.0	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	1.3	53.1	55.3	57.0	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	1.3	54.4	56.6	58.3	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	1.3	62.1	64.7	66.7	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	1.3	63.1	65.7	68.0	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	1.3	63.4	66.0	68.3	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	1.6	65.7	68.6	70.9	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	1.6	66.7	69.6	72.2	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	1.6	68.6	72.2	74.8	76.7	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	1.6	70.2	73.8	76.4	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	1.6	73.1	76.7	79.3	81.6	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	1.6	73.8	77.4	80.9	83.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.6	75.4	79.6	82.5	85.1	85.1	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	1.6	75.7	79.9	82.9	85.8	85.8	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	1.6	75.7	80.9	84.1	87.1	87.1	87.4	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	1.6	75.7	80.9	84.1	87.4	87.4	87.7	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.3	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	1.6	75.7	80.9	84.1	88.0	89.0	89.3	90.3	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9
≥ 500	1.6	75.7	80.9	84.1	88.0	89.0	89.6	90.6	90.6	91.6	92.2	92.2	92.6	92.6	92.9	92.9
≥ 400	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.3	91.3	92.2	92.9	92.9	93.5	93.5	94.2	94.2
≥ 300	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.6	91.6	92.6	93.2	93.2	94.2	94.5	95.5	95.5
≥ 200	1.6	75.7	80.9	84.1	88.4	89.3	90.3	92.6	92.9	94.5	95.2	95.2	96.4	96.8	98.4	98.7
≥ 100	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0
≥ 0	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.7	47.3	51.7	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		52.3	58.3	64.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000		53.3	59.0	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000		53.3	59.3	65.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000		53.3	59.7	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000		53.7	60.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		55.3	62.7	69.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000		56.0	63.3	69.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000		59.3	68.0	74.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000		60.3	69.0	76.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		60.7	69.3	76.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		61.3	70.3	77.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		62.7	71.7	78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		63.3	72.7	80.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500		64.3	74.0	81.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		68.7	78.3	86.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		69.3	79.3	88.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		69.3	79.7	88.3	94.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800		69.7	80.0	88.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500		70.3	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		70.7	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		70.3	80.7	90.7	97.0	97.0	97.7	98.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		71.3	81.7	91.7	98.3	98.3	98.7	99.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		71.3	81.7	91.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.6	41.0	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	1.6	50.4	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	1.6	50.3	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.6	51.6	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	1.6	59.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	1.6	59.7	64.8	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	1.6	61.0	66.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	1.6	61.9	67.7	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	1.6	62.6	68.4	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	1.6	65.2	71.0	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	1.6	66.5	72.6	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	1.7	71.3	78.1	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	1.9	71.9	78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	1.9	72.6	79.4	82.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	1.9	73.2	80.0	83.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	1.9	73.6	80.3	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	1.9	73.9	81.2	84.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.9	74.2	81.3	85.5	88.4	89.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.9	74.2	81.3	85.5	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	1.9	74.2	81.3	86.1	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	1.9	74.2	81.6	86.5	90.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	1.9	74.8	81.9	86.8	91.0	92.6	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	95.2	95.2
≥ 500	1.9	74.8	81.9	86.8	91.0	93.6	93.9	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
≥ 400	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	98.1	98.1
≥ 300	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	98.1	98.1	98.4	98.4
≥ 200	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0
≥ 100	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0
≥ 0	1.9	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	98.1	98.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721	PATUXENT RIVER, MARYLAND	73-[illegible]	JUN	19
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.7	50.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7
≥ 20000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 18000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 16000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 14000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 12000		51.3	62.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7
≥ 10000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
≥ 9000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
≥ 8000		59.0	71.7	77.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7
≥ 7000		60.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0
≥ 6000		60.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0
≥ 5000		61.3	74.0	80.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	84.0	84.0
≥ 4500		63.3	76.0	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.7	86.7
≥ 4000		65.0	78.3	85.0	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	89.0	89.0
≥ 3500		65.7	79.3	86.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.3	90.3
≥ 3000		66.0	79.7	87.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.3	91.3
≥ 2500		66.3	80.0	87.3	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.7	91.7
≥ 2000		67.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3	94.3
≥ 1800		67.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3	94.3
≥ 1500		67.7	81.7	90.0	93.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3	95.7	95.7
≥ 1200		67.7	82.0	90.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	96.0	96.0
≥ 1000		68.0	82.3	91.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.7	96.7
≥ 900		68.0	82.7	91.3	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	97.0	97.0
≥ 800		68.3	83.3	92.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	98.0	98.3
≥ 700		68.3	83.7	93.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7	99.0
≥ 600		68.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3	99.7
≥ 500		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 400		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 300		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 200		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 100		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 0		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

16 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.9	43.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	1.0	52.9	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	1.0	53.9	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.0	54.8	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	1.0	57.4	59.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.0	57.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.0	61.3	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	1.0	63.6	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	1.0	64.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	1.3	65.5	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	1.3	68.4	71.0	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
≥ 4000	1.3	70.3	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	1.3	71.6	74.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	1.6	77.1	80.3	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	1.6	78.1	81.3	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	1.6	78.1	81.6	84.5	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	1.6	78.4	81.9	84.8	85.2	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.6	78.7	82.3	85.2	85.8	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	1.6	78.7	82.3	85.5	86.1	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 1000	1.6	79.4	83.2	86.5	87.1	88.1	88.4	88.4	88.4	89.0	89.0	89.0	89.4	89.4	89.4	89.4
≥ 900	1.6	79.7	83.9	87.1	88.1	89.4	89.7	89.7	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7
≥ 800	1.6	79.7	83.9	87.4	88.7	90.3	90.7	90.7	90.7	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 700	1.6	80.0	84.2	88.7	90.7	92.9	93.9	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2
≥ 600	1.6	80.3	84.5	89.0	91.0	93.2	94.2	94.5	94.5	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	1.6	80.3	84.5	89.0	91.3	93.6	94.8	95.2	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 400	1.6	80.7	84.8	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4
≥ 300	1.6	80.7	84.8	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.4	97.4	97.7	98.1
≥ 200	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	99.7
≥ 100	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0
≥ 0	1.6	80.7	84.8	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

22 (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.3	55.0	60.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000		58.7	62.0	66.0	67.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000		58.7	62.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		58.7	62.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		61.3	66.7	66.7	69.0	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000		61.7	66.0	67.0	69.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		64.7	64.7	70.7	73.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000		65.0	65.0	71.0	73.3	73.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000		69.3	70.3	77.0	79.3	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 7000		69.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000		69.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000		69.7	72.3	80.0	82.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		71.3	73.7	80.3	83.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000		72.3	74.3	82.7	85.3	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500		72.7	74.3	83.0	85.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		74.0	76.0	85.7	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		74.7	77.0	86.7	89.3	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000		75.3	77.7	87.7	90.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		75.3	78.0	88.0	91.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500		77.3	80.3	90.7	93.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		77.7	80.7	91.0	94.0	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000		78.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		78.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		79.0	82.7	93.3	96.3	97.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		79.0	82.7	94.0	97.0	97.7	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
0		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH)

19 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	48.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
≥ 20000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 18000	.3	54.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 16000	.3	54.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 14000	.3	55.5	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
≥ 12000	.3	56.3	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
≥ 10000	.3	60.3	62.8	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
≥ 9000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
≥ 8000	.3	65.8	68.1	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
≥ 7000	.3	67.1	69.4	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
≥ 6000	.3	67.7	70.0	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
≥ 5000	.3	69.0	71.6	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2
≥ 4500	.3	71.0	73.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
≥ 4000	.3	73.9	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
≥ 3500	.3	74.5	77.7	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.4
≥ 3000	.3	76.8	80.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
≥ 2500	.3	77.7	81.9	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
≥ 2000	.3	78.7	83.6	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 1800	.3	78.7	83.6	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
≥ 1500	.3	79.0	84.2	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7
≥ 1200	.3	79.0	84.5	86.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
≥ 1000	.3	79.7	85.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
≥ 900	.3	79.7	85.5	87.7	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 800	.3	80.3	86.5	88.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
≥ 700	.3	81.0	87.1	89.7	92.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
≥ 400	.3	81.0	87.1	90.3	92.9	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2
≥ 500	.3	81.0	87.1	90.3	93.6	93.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.5
≥ 400	.3	81.0	87.1	90.3	93.9	94.5	95.5	95.8	95.8	96.5	96.5	96.5	96.8	96.8	96.8	97.1
≥ 300	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.4	97.4	97.4	97.7
≥ 200	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.4	97.4	97.7	97.7	97.7	98.4
≥ 100	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	99.7
0	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-77 JUN

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.2	48.4	53.0	55.4	55.8	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		48.3	55.7	61.4	64.3	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000		48.1	55.8	61.5	64.4	64.9	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000		48.1	55.8	61.6	64.4	64.9	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
≥ 14000		48.4	56.7	61.9	64.8	65.3	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 12000		49.3	56.9	62.7	65.6	66.1	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 10000		51.7	60.1	66.4	69.5	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 9000		51.9	60.3	66.6	69.7	70.1	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		56.1	65.9	72.7	76.1	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 7000		57.1	67.0	74.0	77.4	77.8	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
≥ 6000		57.3	67.3	74.2	77.7	78.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000		57.7	67.7	74.8	78.3	78.7	79.6	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 4500		58.6	68.8	76.0	79.5	80.0	80.8	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000		60.0	70.5	78.0	81.7	82.2	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 3500		69.7	71.4	79.0	82.8	83.2	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3000		62.8	74.0	82.1	86.0	86.5	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 2500		63.5	74.9	83.1	87.2	87.7	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 2000		64.7	76.3	84.9	89.3	89.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 1800		64.9	76.5	85.1	89.6	90.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1500		65.8	77.7	86.5	91.5	92.0	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 1200		66.3	78.1	87.1	91.9	92.7	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		66.8	79.1	88.6	93.6	94.5	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 900		67.0	79.4	88.9	94.0	94.8	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 800		67.4	79.9	89.5	94.7	95.6	97.0	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.7
≥ 700		67.4	80.0	89.7	94.9	95.9	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.0
≥ 600		67.4	80.1	89.9	95.3	96.3	97.8	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500		67.5	80.2	90.1	95.7	96.8	98.4	98.3	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 400		67.5	80.2	90.3	95.9	97.1	98.8	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.4	99.6	99.7	99.8	99.8	99.9	99.9	100.0
≥ 200		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

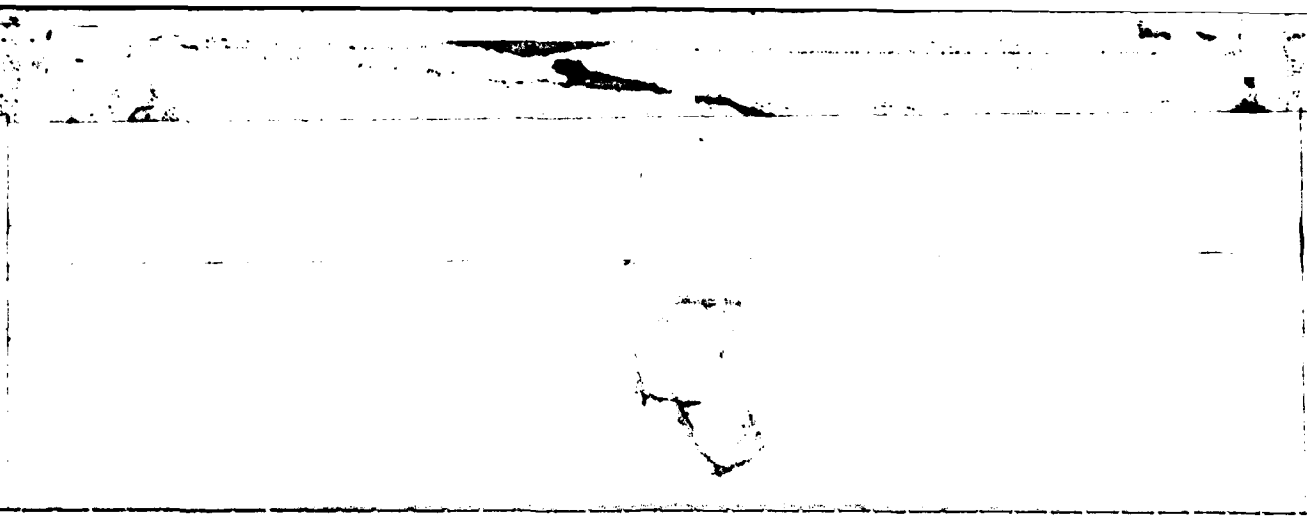
17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAR (MONTH) 22 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		58.1	59.7	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
≥ 10000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		68.4	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		69.4	71.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		70.3	72.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		72.3	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500		73.9	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		75.8	78.4	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
≥ 3500		76.8	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000		77.1	79.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		80.3	83.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		80.7	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500		81.9	85.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		82.3	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		82.9	87.7	90.0	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		82.9	87.7	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		82.9	88.1	91.3	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700		82.9	88.1	91.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600		83.2	89.0	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		83.2	89.0	93.6	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400		83.2	89.0	93.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		83.2	89.0	93.6	94.5	95.2	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	98.4	98.4	98.4	98.4
≥ 100		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	99.7
≥ 0		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	APR	01
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7
≥ 20000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 18000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 16000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 14000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
≥ 12000		65.0	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3
≥ 10000		69.7	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7
≥ 9000		70.0	72.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0
≥ 8000		75.0	77.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3
≥ 7000		76.0	78.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
≥ 6000		77.3	79.3	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	81.7
≥ 5000		79.0	81.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7
≥ 4500		80.0	82.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3
≥ 4000		82.0	84.3	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3
≥ 3500		82.7	85.0	87.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7
≥ 3000		84.7	87.3	89.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0
≥ 2500		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
≥ 2000		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
≥ 1800		85.3	88.0	90.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 1500		86.3	89.3	91.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3
≥ 1200		86.7	89.7	92.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.3	94.3
≥ 1000		87.7	91.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3	96.3
≥ 900		87.7	91.0	94.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7
≥ 800		88.3	91.3	94.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.0	97.0
≥ 700		88.3	91.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3
≥ 600		88.3	91.7	95.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	97.7
≥ 500		88.3	91.7	95.0	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
≥ 400		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 300		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 200		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
≥ 100		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.7	100.0
0		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	40.1	46.2	52.8	56.6	58.3	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	1.0	45.0	51.8	60.2	65.4	67.0	68.3	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	1.0	48.2	54.7	65.4	70.6	72.2	73.5	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	1.0	48.2	55.0	65.7	70.9	72.5	73.8	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	1.0	56.2	57.9	70.2	76.1	78.0	79.3	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000	1.0	56.5	58.3	70.6	76.7	78.6	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	1.0	70.5	59.3	70.6	76.7	78.6	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000	1.0	71.1	59.2	71.8	78.0	79.9	81.2	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	1.0	71.3	59.6	72.5	78.6	80.6	82.2	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.0	72.1	60.5	74.8	81.2	83.2	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	1.0	72.4	60.9	75.4	81.9	83.8	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	1.0	73.1	62.1	76.7	83.8	86.1	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	1.0	74.4	63.4	78.6	85.8	88.0	90.6	90.9	91.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	1.0	75.3	64.1	79.6	86.7	89.0	91.6	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	1.0	75.3	64.4	79.9	87.1	89.3	91.9	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	1.0	76.3	65.4	81.9	88.0	92.6	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	1.0	76.3	65.4	81.9	90.3	93.2	95.8	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	1.0	77.3	66.0	82.9	91.9	95.2	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	1.0	77.0	66.0	82.9	92.2	95.5	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	1.0	77.3	66.0	83.2	92.6	95.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	1.0	77.6	66.3	83.5	92.9	96.1	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	1.0	77.6	66.3	83.5	92.9	96.1	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	1.0	7.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH) 04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		58.3	61.3	61.3	62.0	62.3	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 18000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000		62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000		62.7	65.0	66.0	66.7	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000		67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000		67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000		72.7	75.3	76.7	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000		73.7	76.3	77.7	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000		74.0	76.7	78.0	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000		75.7	78.3	79.7	81.0	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		76.0	78.7	80.0	81.3	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000		77.7	80.3	81.7	83.3	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500		79.3	82.3	83.7	85.3	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000		81.0	84.3	86.0	87.7	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800		82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		82.3	86.0	88.0	89.7	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		82.7	86.7	89.0	90.7	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		83.3	88.0	90.7	92.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900		83.3	88.0	91.0	93.0	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800		83.7	89.0	92.0	94.0	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3
≥ 700		83.7	89.0	92.0	94.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0
≥ 600		84.0	89.3	92.3	94.7	95.7	95.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.7	96.7
≥ 500		84.3	90.3	93.3	95.7	97.0	97.0	97.0	97.0	97.7	97.7	98.0	98.0	98.0	98.3	98.3
≥ 400		84.3	90.3	93.7	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.7	98.7
≥ 300		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.3	98.7	98.7	98.7	99.0	99.0
≥ 200		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	99.3
≥ 100		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	99.7
≥ 0		84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 77- (YEARS) | JUL (MONTH)

1 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ⅝	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.7	47.7	55.2	58.7	65.4	68.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	1.0	47.4	55.2	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.0	47.4	55.9	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.0	47.4	55.9	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.0	47.4	55.9	65.2	69.0	69.7	70.7	71.3	71.7	71.3	71.7	71.3	71.3	71.7	71.3	71.3
≥ 12000	1.0	48.1	56.6	66.1	70.0	70.7	71.6	72.3	72.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	1.0	48.4	57.4	66.7	70.6	73.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	1.0	49.4	58.4	66.7	70.6	73.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	1.0	50.7	61.0	71.3	76.5	77.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.0	50.7	61.3	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	1.0	50.7	61.3	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	1.0	51.0	61.9	72.6	77.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	1.0	51.3	62.3	73.2	78.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	1.0	51.6	62.6	73.6	79.0	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.0	51.9	62.9	73.9	79.7	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	1.0	54.1	67.4	81.0	88.1	89.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	1.0	56.1	69.0	82.9	90.3	92.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	1.0	56.5	69.4	83.6	91.3	93.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	1.0	56.5	69.4	83.9	91.6	93.6	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	1.0	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	1.0	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	1.0	57.4	71.3	85.8	94.2	96.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.0	57.4	71.3	85.8	94.5	96.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.0	57.4	71.7	86.2	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.0	57.4	71.7	86.2	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	APR	07
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.7	56.3	56.7	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		59.3	63.3	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		61.7	65.7	66.3	67.0	67.7	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		62.3	66.3	67.0	67.7	68.3	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		69.0	73.3	74.3	75.3	76.0	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000		70.3	74.7	75.7	76.7	77.3	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000		72.0	76.3	77.3	78.3	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		72.3	76.7	78.3	80.0	80.7	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		73.0	77.3	79.0	81.0	81.7	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000		74.7	79.0	81.3	83.3	84.0	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		75.0	79.3	82.0	84.0	84.7	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000		75.7	80.0	83.0	85.0	85.7	86.3	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		76.3	80.7	84.3	86.3	87.0	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.7
≥ 2000		77.0	81.7	85.3	87.3	88.0	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		77.3	82.0	85.7	87.7	88.3	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		78.0	83.0	86.7	88.7	89.3	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		78.0	83.3	87.7	89.7	90.3	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 900		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 800		78.7	84.3	88.7	91.7	92.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700		78.7	84.3	88.7	91.7	93.0	94.0	94.0	94.0	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600		78.7	85.0	89.3	92.3	93.7	94.7	95.0	95.3	95.7	96.0	96.0	96.0	96.0	96.3	96.3
≥ 500		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 400		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 300		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.3	97.3	97.3	97.7	98.0
≥ 200		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.0	99.3
≥ 100		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0
0		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME PATUXENT RIVER, MARYLAND YEARS 7?- ? MONTH J L

HOURS (L S T) 1?

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	37.4	46.?	51.7	54.9	55.?	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.?	56.?
≥ 20000	1.	41.?	5?.7	56.7	64.8	65.5	66.1	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 18000	1.	41.?	5?.7	56.7	64.?	65.5	66.1	66.8	66.?	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 16000	1.?	41.?	5?.7	56.7	64.?	65.5	66.1	66.8	66.?	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 14000	1.?	41.?	5?.7	59.?	64.8	65.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	1.?	42.3	5?.?	6?.3	66.5	67.4	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	1.?	45.?	56.5	65.5	73.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.?	75.?
≥ 9000	1.?	46.1	56.8	66.1	73.9	74.6	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	1.	49.1	59.?	7?.?	79.4	80.?	?0.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	1.	48.1	59.7	71.5	79.4	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	1.	48.4	6?.?	71.3	79.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	1.	48.4	6?.?	71.3	8?.?	81.?	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	1.?	48.7	6?.3	71.6	8?.3	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.?	49.?	61.?	73.6	82.6	83.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.?	49.?	61.?	73.9	82.9	83.9	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	1.?	52.9	66.5	81.?	91.9	93.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	1.?	53.2	67.1	81.6	93.2	94.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	1.?	53.6	67.4	82.3	93.9	95.2	96.?	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	1.?	53.6	67.4	82.3	93.9	95.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	1.?	53.8	67.4	83.2	94.?	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	1.?	53.8	67.4	83.2	94.?	96.1	97.7	98.4	99.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	1.?	53.8	67.4	83.6	95.?	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.?	53.8	67.4	83.6	95.?	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	1.?	53.8	67.4	83.6	96.1	97.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 600	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 500	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 400	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 300	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 200	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 100	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 0	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?

TOTAL NUMBER OF OBSERVATIONS 1?

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	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	58.7
≥ 20000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	1.3	64.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	1.3	65.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	1.3	69.0	70.0	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	1.3	69.3	70.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	1.3	75.3	77.0	77.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.3	75.7	77.3	77.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	1.3	76.7	78.3	78.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	1.3	79.0	81.0	81.3	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	1.3	79.3	81.3	81.7	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	1.3	81.0	83.0	83.7	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500	1.3	81.3	83.3	84.0	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	1.3	82.7	84.7	86.0	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	1.3	83.3	85.3	87.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	1.7	85.7	87.7	89.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	1.7	86.7	88.7	90.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	1.7	87.3	89.3	90.7	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	1.7	87.3	89.3	91.0	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	1.7	87.3	89.3	91.3	93.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	1.7	87.3	89.7	91.7	93.3	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	1.7	87.7	90.0	92.0	94.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	1.7	87.7	90.0	92.7	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	1.7	87.7	90.0	92.7	95.3	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.7	98.7	99.0	99.0
≥ 300	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	99.7	99.7
≥ 200	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0
≥ 100	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0
0	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] JUL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	35.	4 .6	47.4	50.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.9	51.9
≥ 20000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 18000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 16000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 14000	.3	41.6	51.9	57.1	61.9	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5
≥ 12000	.3	42.3	51.3	58.0	64.2	65.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1
≥ 10000	.3	43.1	52.9	62.3	69.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3
≥ 9000	.3	43.	52.9	62.3	69.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3
≥ 8000	.3	47.4	59.0	69.4	75.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0
≥ 7000	.3	47.7	60.7	71.6	78.7	80.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.3
≥ 6000	.3	49.1	61.0	71.9	79.0	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6
≥ 5000	.3	49.4	61.6	72.6	80.0	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2
≥ 4500	.3	50.1	62.3	73.6	81.3	82.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.2
≥ 4000	.3	50.7	63.2	74.5	81.9	83.9	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.1
≥ 3500	.3	52.0	67.2	74.8	82.6	84.5	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	86.8
≥ 3000	.3	52.6	66.1	79.7	87.4	89.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9	91.9
≥ 2500	.3	53.5	67.4	81.0	89.4	91.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9	93.9
≥ 2000	.3	53.9	68.1	82.3	91.0	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8
≥ 1800	.3	53.9	68.1	82.3	91.0	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8
≥ 1500	.3	54.2	68.7	83.2	92.3	94.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 1200	.3	54.2	68.7	83.6	92.6	94.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
≥ 1000	.3	54.2	68.7	83.9	92.9	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 900	.3	54.2	68.7	83.9	92.9	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 800	.3	54.5	69.0	84.2	93.2	95.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
≥ 700	.3	54.5	69.0	84.2	93.6	95.8	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 600	.3	54.5	69.0	84.2	93.6	95.8	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 500	.3	54.5	69.0	84.3	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 400	.3	54.5	69.0	84.8	94.3	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 300	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

72721	PATUXENT RIVER, MARYLAND	73-	APR
STATION	STATION NAME	YEARS	MONTH

13
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	62.9	63.5	63.5	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	1.3	62.2	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	1.3	62.9	63.6	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	1.3	64.2	65.2	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	1.3	67.2	68.2	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	1.3	67.9	68.9	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	1.3	70.6	72.9	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	1.3	71.2	74.3	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.3	72.2	75.3	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	1.3	74.9	78.6	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	1.3	75.9	79.6	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	1.3	78.6	82.3	83.3	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	1.3	79.3	82.9	84.0	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	1.7	83.3	87.0	88.0	88.6	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	1.7	85.0	88.4	90.0	90.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	1.7	85.3	89.0	90.6	91.6	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	1.7	85.6	89.3	91.0	92.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	1.7	86.6	90.3	92.6	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	1.7	87.6	91.3	93.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	1.7	87.6	91.6	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	1.7	87.6	91.6	94.7	96.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7
≥ 200	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 100	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0
0	1.7	87.6	92.3	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-12 (YEARS) JUL (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	47.7	55.5	59.7	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		43.9	53.2	62.6	68.1	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000		43.9	53.6	63.2	69.0	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000		45.2	55.9	66.8	73.4	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		45.5	56.1	67.1	73.9	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000		49.7	62.3	74.5	82.3	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000		50.3	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000		50.3	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000		50.7	63.9	77.7	85.5	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500		51.3	64.8	78.7	87.1	87.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000		51.9	67.1	81.9	91.6	92.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500		52.9	68.1	82.9	92.6	93.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		53.2	68.7	83.6	93.2	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		53.2	68.7	83.9	93.6	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500		53.4	69.4	84.8	95.2	95.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		53.4	69.4	84.8	95.2	95.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		54.5	70.3	86.3	96.1	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		54.5	70.3	86.3	96.1	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] 1 | PATUXENT RIVER, MARYLAND | 73-82 | APR

STATION | STATION NAME | YEARS | MONTH

16

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	1.7	51.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	1.7	61.	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	1.7	61.	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	1.7	61.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	1.7	62.7	64.0	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	1.7	64.7	66.3	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	1.7	65.0	66.7	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	1.7	68.3	70.3	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	1.7	68.7	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	1.7	68.7	71.7	73.0	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	1.7	71.3	74.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	1.7	73.3	77.0	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	1.7	77.3	81.0	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	1.7	78.7	82.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	1.7	82.7	86.7	88.7	89.3	89.3	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	1.7	83.7	87.7	89.7	90.3	90.3	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	1.7	85.3	89.7	92.3	93.3	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	1.7	85.7	90.3	93.0	94.0	94.7	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	1.7	85.7	91.0	94.7	96.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	1.7	85.7	91.3	95.0	96.7	98.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-82 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	37.4	45.2	52.4	56.5	57.6	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 18000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 16000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 14000	.4	41.0	51.0	60.2	65.5	66.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 12000	.4	42.4	51.9	61.3	66.7	68.0	69.1	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
≥ 10000	.4	44.8	55.0	65.3	71.6	72.9	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 9000	.4	44.8	55.1	65.4	71.8	73.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 8000	.4	47.5	59.2	70.8	78.1	79.6	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5
≥ 7000	.4	47.8	59.9	71.8	79.2	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
≥ 6000	.4	48.0	59.9	71.9	79.3	80.8	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 5000	.4	48.6	60.5	72.8	80.6	82.1	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
≥ 4500	.4	49.0	61.1	73.5	81.3	82.8	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
≥ 4000	.4	49.5	62.0	74.8	82.9	84.4	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
≥ 3500	.4	49.6	62.2	75.3	83.5	85.0	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2
≥ 3000	.4	51.2	64.8	78.8	87.9	89.6	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
≥ 2500	.4	51.9	65.5	79.7	89.0	90.8	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 2000	.4	52.3	66.1	80.5	89.9	91.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
≥ 1800	.4	52.4	66.2	80.7	90.1	91.9	93.8	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 1500	.4	52.9	67.1	82.0	91.8	93.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5
≥ 1200	.4	53.0	67.3	82.4	92.2	94.2	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 1000	.4	53.2	67.6	83.0	93.1	95.2	97.3	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 900	.4	53.2	67.8	83.2	93.4	95.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 800	.4	53.4	67.9	83.4	93.7	95.9	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 700	.4	53.5	68.1	83.7	94.0	96.3	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 600	.4	53.5	68.1	83.7	94.1	96.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 500	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
≥ 400	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
≥ 300	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2478

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
13721	PATUXENT RIVER, MARYLAND	73-82	APR

HOURS (L S T) 19

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	53.3	57.7	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	.3	61.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	.3	62.3	64.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	.3	66.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	.3	66.3	68.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	71.3	73.3	75.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	.3	72.3	74.7	76.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	.3	73.3	75.3	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	.3	73.7	76.0	77.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	.3	76.0	78.3	80.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	.3	78.3	80.7	82.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	.3	78.7	81.0	82.7	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	.3	81.3	85.0	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	.3	82.0	85.7	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	.3	83.7	87.0	90.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	.3	84.3	88.7	91.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	.3	84.7	88.7	92.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.3	84.7	88.7	92.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.3	84.7	88.3	93.0	96.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	.3	84.7	88.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	.3	84.7	88.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	.3	85.3	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 77-80 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.7	50.0	57.1	61.9	61.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		43.6	58.4	68.7	75.8	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000		46.9	63.6	75.5	82.9	83.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	64.2	76.1	83.6	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5
≥ 4000		48.4	65.2	77.7	85.2	85.8	87.4	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1
≥ 3500		48.4	65.5	78.1	85.8	86.5	88.1	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7
≥ 3000		50.3	69.0	82.6	90.7	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6
≥ 2500		50.7	69.4	83.2	91.3	91.9	93.6	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2
≥ 2000		50.7	69.4	83.2	91.3	91.9	93.9	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5
≥ 1800		51.3	69.7	83.6	91.6	92.3	94.2	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8
≥ 1500		51.3	70.0	84.2	92.3	92.9	95.2	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8
≥ 1200		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 1000		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 900		52.6	71.7	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1
≥ 800		52.6	71.3	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1
≥ 700		52.6	71.9	86.8	94.8	95.8	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 600		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 500		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 400		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1[illegible]21 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-[illegible] (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	61.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	.3	66.3	68.3	68.7	69.0	69.3	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000	.3	66.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	.3	67.7	69.3	70.0	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	.3	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	.3	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	.3	76.0	77.7	78.7	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	.3	77.0	78.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	.3	77.3	79.0	80.0	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	.3	79.0	80.7	81.7	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	.3	80.3	82.0	83.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	.3	81.7	83.3	84.7	85.7	85.7	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	.3	82.0	84.0	85.3	86.3	86.3	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000	.3	84.0	86.0	87.7	88.7	88.7	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	.3	84.7	86.7	88.7	89.7	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	.3	85.3	87.3	90.0	91.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	.3	85.7	87.7	90.3	91.7	91.7	92.0	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	.3	87.3	90.0	93.3	94.7	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	.3	87.3	90.0	93.3	94.7	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	.3	87.3	90.0	93.3	95.3	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7
≥ 900	.3	87.3	90.0	93.7	95.7	95.7	96.0	96.3	96.3	96.7	96.7	96.7	96.7	97.0	97.0	97.0
≥ 800	.3	87.3	90.0	93.7	95.7	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3
≥ 700	.3	87.7	90.3	94.0	96.0	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0
≥ 600	.3	87.7	90.3	94.3	96.3	97.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.3	98.3	98.3
≥ 500	.3	88.0	90.7	94.7	96.7	97.3	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.7	98.7	98.7
≥ 400	.3	88.0	90.7	94.7	97.0	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3
≥ 300	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 200	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 100	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	100.0
≥ 0	.3	88.0	90.7	94.7	97.0	98.0	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND | 73-82 | AUG

STATION | STATION NAME | YEARS | MONTH

04

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.5	46.[illegible]	58.1	66.1	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 20000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000		37.4	53.2	64.2	73.2	73.6	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000		39.7	55.8	67.1	76.8	77.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000		39.7	55.8	67.1	76.8	77.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		42.6	59.7	72.3	81.9	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500		42.9	60.0	72.6	82.3	82.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		44.5	62.3	75.5	85.2	85.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500		45.2	63.2	76.5	86.5	86.8	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		46.8	65.8	79.0	89.4	89.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		47.4	66.5	79.7	90.0	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		47.7	66.8	80.0	90.3	90.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		48.4	67.4	81.0	91.3	91.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500		48.4	67.7	81.6	92.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		48.4	67.7	81.6	92.9	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		48.7	68.1	82.6	93.9	94.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		48.7	68.1	82.6	94.2	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		48.7	68.1	82.9	94.5	95.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		48.7	68.4	83.6	95.2	95.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		48.7	68.7	83.9	95.5	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		48.7	69.0	84.2	95.8	96.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.6	55.7	57.0	57.3	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	.6	62.5	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4
≥ 14000	.6	62.7	64.4	64.9	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	.6	63.7	65.5	66.1	66.5	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
≥ 10000	.6	67.1	69.1	69.9	70.4	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9
≥ 9000	.6	67.4	69.5	70.2	70.7	70.9	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 8000	.6	72.3	74.6	75.6	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	.6	73.1	75.7	76.7	77.5	77.7	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	.6	73.9	76.5	77.5	78.4	78.6	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	.6	75.6	78.4	79.5	80.5	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	.6	76.7	79.6	80.8	81.8	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
≥ 4000	.6	78.9	81.7	83.2	84.4	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1
≥ 3500	.6	79.6	82.5	84.0	85.2	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	.7	81.9	85.1	86.9	88.3	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	.7	82.7	86.0	88.0	89.3	89.7	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	.7	83.4	86.7	88.9	90.4	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.5	91.5
≥ 1800	.7	83.6	86.9	89.1	90.6	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	.7	84.4	88.0	90.5	92.0	92.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 1200	.7	84.8	88.5	91.2	92.8	93.3	93.6	93.7	93.7	93.8	93.9	93.9	93.9	93.9	94.0	94.0
≥ 1000	.7	85.2	89.2	92.2	94.0	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.4	95.4
≥ 900	.7	85.2	89.2	92.5	94.3	95.0	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.8	95.8
≥ 800	.7	85.3	89.5	92.8	94.8	95.5	95.9	95.9	95.9	96.1	96.2	96.2	96.2	96.3	96.4	96.4
≥ 700	.7	85.4	89.6	93.0	95.1	96.0	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.1	97.1
≥ 600	.7	85.5	89.9	93.3	95.4	96.4	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.6	97.6
≥ 500	.7	85.7	90.2	93.7	95.9	97.0	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3	98.3
≥ 400	.7	85.7	90.3	93.8	96.3	97.5	98.1	98.2	98.2	98.5	98.6	98.6	98.7	98.7	98.9	98.9
≥ 300	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.8	98.8	98.9	99.0	99.3	99.3
≥ 200	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.9	99.0	99.2	99.3	99.5	99.6
≥ 100	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	99.9
0	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

72721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

07
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.2	34.5	41.6	51.9	53.9	57.1	57.1	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000		30.3	40.7	48.4	60.0	62.3	65.8	66.1	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000		33.9	44.8	53.2	65.5	69.0	73.9	74.2	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		38.1	51.3	61.6	74.5	78.1	83.6	84.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		38.7	51.9	62.3	75.2	78.7	84.2	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		39.3	52.6	62.9	76.5	80.0	85.5	86.1	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500		39.3	52.6	62.9	76.8	80.3	85.8	86.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		39.7	53.2	63.9	78.1	81.6	87.1	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		39.7	53.2	63.9	78.4	81.9	87.4	88.4	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		40.3	53.9	65.5	80.3	84.2	89.7	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500		40.7	54.2	65.8	80.7	84.5	90.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		41.9	55.5	67.7	82.9	86.8	92.3	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		42.3	56.1	68.4	83.9	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		42.9	57.1	69.4	85.8	90.3	95.8	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		42.9	57.1	69.4	85.8	90.3	95.8	96.8	96.8	97.1	97.4	97.4	97.4	97.7	97.7	97.7
≥ 800		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.7	98.7	98.7
≥ 700		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.7	98.7	98.7
≥ 600		43.2	57.7	70.3	87.4	92.3	97.7	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	99.7
≥ 500		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-82 MAY

STATION STATION NAME YEARS MONTH

01

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.2	54.4	56.6	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 18000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 16000		54.7	60.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 14000		55.0	60.8	63.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7	64.7
≥ 12000		56.3	62.1	64.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0	66.0
≥ 10000		57.0	62.8	65.1	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7
≥ 9000		57.3	63.1	65.4	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.0
≥ 8000		62.1	68.0	70.6	71.5	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.5	72.5	72.5
≥ 7000		62.8	68.6	71.2	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1	73.1
≥ 6000		63.1	68.9	71.5	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.5	73.5	73.5
≥ 5000		64.4	70.9	73.8	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.1	76.1	76.1
≥ 4500		66.0	72.5	75.7	77.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3
≥ 4000		67.6	74.8	78.3	80.3	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2
≥ 3500		68.0	75.7	79.6	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.9	82.9	82.9
≥ 3000		69.3	78.0	82.2	84.8	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.8	85.8	85.8
≥ 2500		69.6	78.3	82.9	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4	86.4
≥ 2000		69.9	78.6	83.8	86.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4
≥ 1800		70.2	79.0	84.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7	87.7
≥ 1500		71.2	79.9	85.1	88.7	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0	90.0
≥ 1200		71.2	79.9	85.1	88.7	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0	90.0
≥ 1000		71.5	80.3	86.1	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.3	91.3	91.3
≥ 900		71.5	80.3	86.4	90.9	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2
≥ 800		71.8	81.2	87.4	91.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2
≥ 700		72.2	81.9	88.7	93.2	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5
≥ 600		72.5	82.5	89.3	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5
≥ 500		72.5	82.9	90.3	95.2	96.1	96.4	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1	97.1
≥ 400		72.5	83.2	90.9	96.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.7
≥ 300		72.5	83.2	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.7
≥ 200		72.5	83.2	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.7
≥ 100		72.5	83.2	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.7	100.0
≥ 0		72.5	83.2	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		72.3	43.2	52.3	57.7	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000		36.7	50.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000		38.7	51.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000		38.7	51.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000		39.7	51.7	62.6	69.0	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		40.3	52.3	63.6	70.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000		41.0	54.2	66.1	74.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000		42.3	54.5	66.5	74.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000		44.5	57.7	70.0	78.7	80.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		44.5	57.7	70.3	79.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		44.8	58.1	70.7	79.4	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000		45.5	58.7	71.3	80.0	81.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500		45.5	58.7	71.6	80.3	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		45.5	59.0	72.3	81.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		45.8	59.0	72.3	81.9	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		49.0	62.6	76.5	86.1	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500		49.3	63.2	77.1	86.8	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		49.7	63.9	78.1	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		49.7	63.9	78.1	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500		51.0	65.2	80.3	90.7	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200		51.3	65.8	81.0	91.9	94.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000		52.6	67.4	82.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		52.6	67.4	82.9	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		53.2	68.1	83.9	95.2	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 500		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAY (MONTH)

04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.2	50.7	51.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000		51.6	58.1	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		53.2	60.3	61.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		53.9	61.0	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000		57.7	65.8	68.1	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000		58.4	66.5	68.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		58.7	66.8	69.0	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000		61.0	69.0	71.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500		61.3	69.7	72.3	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000		62.6	71.3	73.9	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500		62.9	71.6	74.2	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		63.9	73.6	76.8	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500		64.5	74.2	77.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		64.8	75.2	79.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200		66.1	76.5	81.3	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		66.1	76.5	82.3	86.5	87.1	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900		66.5	77.4	83.2	87.4	88.4	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800		66.5	77.4	83.2	87.4	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700		66.5	77.4	83.2	87.7	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600		67.1	78.1	84.2	89.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500		67.1	78.7	85.2	90.7	92.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 400		67.1	79.4	85.8	92.3	94.2	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300		67.1	79.7	86.1	93.2	95.8	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.4	99.7	99.7	100.0	100.0
≥ 0		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.7	99.0	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	43.6	51.9	58.1	58.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		41.9	51.6	61.9	69.4	70.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000		42.3	52.6	62.9	70.3	71.0	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		46.1	58.1	70.0	78.4	79.4	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		46.5	58.4	70.7	79.0	80.0	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		46.9	58.7	71.0	79.4	80.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		47.1	59.4	71.6	80.0	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		47.4	59.7	71.9	80.3	81.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		48.1	60.3	73.2	81.9	83.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		49.0	61.6	74.5	83.2	84.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		51.9	65.2	79.4	88.7	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		53.2	66.5	81.0	90.7	92.3	94.5	94.8	94.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		54.2	67.4	82.6	92.6	94.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200		54.2	68.4	83.6	93.6	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		55.3	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS) MAY (MONTH) 07 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	44.2	47.7	49.7	50.0	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.3	51.3	51.3
≥ 20000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 18000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 16000		44.2	51.0	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7
≥ 14000		45.2	51.3	54.8	56.8	57.4	57.7	58.1	58.1	58.7	58.7	58.7	58.7	59.0	59.0	59.0
≥ 12000		45.5	51.6	55.2	57.1	57.7	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4
≥ 10000		47.7	54.8	59.0	61.0	61.6	61.9	62.3	62.3	62.9	62.9	62.9	62.9	63.2	63.2	63.2
≥ 9000		48.4	55.5	60.0	61.9	62.6	62.9	63.2	63.2	63.9	63.9	63.9	63.9	64.2	64.2	64.2
≥ 8000		50.7	57.7	63.6	65.5	66.1	66.5	66.8	66.8	67.4	67.4	67.4	67.4	67.7	67.7	67.7
≥ 7000		51.0	58.1	63.9	65.8	66.5	66.8	67.1	67.1	67.7	67.7	67.7	67.7	68.1	68.1	68.1
≥ 6000		51.0	58.1	63.9	66.1	66.8	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.4	68.4	68.4
≥ 5000		51.0	58.1	64.2	66.5	67.1	67.7	68.1	68.1	68.7	68.7	68.7	68.7	69.0	69.0	69.0
≥ 4500		51.6	58.7	64.8	67.1	68.4	69.0	69.4	69.4	70.0	70.0	70.0	70.0	70.3	70.3	70.3
≥ 4000		52.9	60.0	66.5	68.7	70.3	71.0	71.3	71.3	71.9	71.9	71.9	71.9	72.3	72.3	72.3
≥ 3500		52.9	60.0	66.8	69.0	71.0	71.6	71.9	71.9	72.6	72.6	72.6	72.6	72.9	72.9	72.9
≥ 3000		53.2	61.0	68.1	70.7	73.2	73.9	74.2	74.2	74.8	74.8	74.8	74.8	75.2	75.2	75.2
≥ 2500		54.5	61.9	69.4	71.9	74.5	75.2	75.5	75.5	76.1	76.1	76.1	76.1	76.5	76.5	76.5
≥ 2000		55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4
≥ 1800		55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4
≥ 1500		55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0
≥ 1200		55.5	63.2	71.6	75.2	77.7	78.4	79.7	79.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7
≥ 1000		56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6
≥ 900		56.8	64.2	73.2	77.1	80.3	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.6	83.6	83.6
≥ 800		57.1	64.8	74.2	78.7	81.9	82.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2
≥ 700		57.1	64.8	75.2	80.7	83.9	85.2	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7
≥ 600		57.1	64.8	75.2	80.7	84.5	86.1	87.7	87.7	88.4	88.4	88.4	88.4	88.7	88.7	88.7
≥ 500		57.1	64.9	75.8	82.3	86.9	88.7	90.7	90.7	91.3	91.6	91.6	91.6	91.9	92.3	92.3
≥ 400		57.4	65.2	77.1	84.8	89.4	91.6	93.9	93.9	94.5	95.2	95.2	95.2	95.5	95.8	95.8
≥ 300		57.4	65.2	77.1	85.2	90.0	92.3	94.8	94.8	95.5	96.5	96.8	96.8	97.1	97.7	97.7
≥ 200		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	99.0
≥ 100		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0
≥ 0		57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

16
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.2	47.2	53.9	61.7	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000		51.3	57.6	63.6	71.9	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000		51.3	57.7	64.2	72.6	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000		52.9	58.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		52.9	58.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		53.9	57.4	69.0	78.4	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000		54.2	57.7	69.7	79.0	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		54.5	58.1	70.0	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000		54.5	58.1	70.0	79.7	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		55.2	58.7	70.7	80.3	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		56.5	60.7	72.6	82.6	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		56.9	61.0	72.9	82.9	83.6	84.5	84.8	84.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		59.4	65.5	79.7	91.0	91.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500		60.3	66.8	81.3	92.9	93.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000		61.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		61.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500		61.3	67.7	82.9	95.2	95.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		61.3	67.7	83.2	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		61.6	68.1	83.9	96.1	96.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		61.6	68.4	84.2	96.5	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		61.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		61.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		61.6	68.7	84.8	97.1	97.7	99.0	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1'721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

10 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		49.4	55.5	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000		49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000		49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000		50.0	56.1	58.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000		50.3	56.5	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		53.6	60.0	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		53.9	60.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		56.1	62.6	66.5	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000		57.1	63.9	68.1	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000		57.4	64.2	68.4	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000		57.7	64.5	69.4	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500		58.4	65.2	70.3	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000		59.7	66.5	71.6	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		60.0	66.8	71.9	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000		61.3	69.0	74.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		62.3	70.3	76.5	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000		63.2	71.9	78.4	81.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800		63.2	72.3	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		63.6	72.9	79.4	81.9	82.6	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200		64.2	74.2	81.3	83.9	84.5	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		64.8	76.1	83.6	87.1	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		65.2	76.5	84.2	87.7	88.4	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		65.5	76.8	84.5	88.4	89.0	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700		65.8	77.1	85.2	89.7	91.0	92.9	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600		65.8	77.1	85.5	90.3	91.6	93.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		65.8	77.1	85.8	91.0	92.9	96.1	96.5	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.1	99.4	98.4	98.7	98.7	98.7	98.7
≥ 300		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.4	98.7	98.7	99.4	99.4	99.4	99.4
≥ 200		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
≥ 100		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
0		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

19 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		29.7	36.8	45.5	52.9	53.6	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		37.1	46.8	57.1	65.5	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000		37.1	46.8	57.1	65.5	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000		37.1	47.1	57.4	65.8	66.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000		37.1	47.4	57.7	66.1	67.1	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		38.1	48.4	58.7	67.1	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		40.7	52.3	63.9	72.9	73.9	75.5	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		40.7	52.6	64.2	73.2	74.2	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000		44.2	57.7	70.7	80.3	81.3	82.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 7000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		46.1	60.7	73.6	83.2	84.2	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000		46.8	61.3	75.2	85.2	86.1	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		47.1	61.6	75.5	85.5	86.5	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		49.7	65.2	79.4	89.7	90.7	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500		50.3	65.8	80.3	90.7	91.6	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000		50.7	66.5	81.6	92.9	93.9	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800		51.0	66.8	81.9	93.2	94.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		51.3	67.1	82.6	93.9	94.8	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		51.3	67.1	82.9	94.2	95.2	97.4	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		51.3	67.4	83.2	94.5	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		51.3	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) MAY (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.6	45.2	46.5	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		51.6	56.1	58.1	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000		53.6	59.0	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		53.9	59.4	61.6	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 8000		56.1	62.6	65.2	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000		56.4	63.2	65.8	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000		57.1	63.6	66.1	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000		58.1	64.8	67.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500		58.1	64.8	68.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		59.7	66.8	70.7	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		60.3	67.4	71.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000		66.1	74.2	78.1	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		66.5	75.2	79.0	82.3	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		67.7	76.5	81.3	85.8	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		67.7	76.5	81.3	85.8	86.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500		69.4	78.4	83.2	89.0	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200		70.0	79.0	83.9	89.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		70.3	79.4	84.5	91.0	91.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900		70.7	80.0	85.2	91.6	92.6	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800		70.7	80.3	86.1	92.6	93.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		70.7	80.3	86.1	92.9	93.9	97.1	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600		71.0	80.7	86.5	93.6	94.5	97.7	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7
≥ 500		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.1
≥ 400		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 200		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0		71.0	80.7	86.5	93.6	94.5	98.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	44.2	52.3	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000		39.7	52.0	61.0	68.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000		40.3	53.7	64.7	69.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		42.9	54.8	66.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000		43.2	55.2	66.8	75.8	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000		47.1	61.6	73.9	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	61.9	74.2	83.6	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		47.7	62.3	74.5	83.9	85.2	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500		48.4	62.9	75.5	84.8	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		51.3	65.8	78.0	89.4	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		52.3	69.1	81.3	91.7	92.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		52.6	68.4	82.3	92.3	93.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800		52.9	69.7	82.9	92.9	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		53.2	70.7	84.8	95.2	96.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		53.2	71.6	85.8	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		53.2	71.6	85.9	96.1	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-92	MAY
STATION	STATION NAME	YEARS	MONTH

16
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.1	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000		59.0	67.4	71.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000		60.7	69.4	73.9	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000		61.0	69.7	74.2	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		61.9	71.3	75.8	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500		62.6	71.9	76.5	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		63.2	72.9	78.1	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		63.9	73.6	78.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		68.1	78.4	83.6	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500		68.4	78.7	84.5	86.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500		70.3	81.0	88.7	91.3	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		70.7	81.3	89.7	92.9	93.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700		70.7	81.3	90.0	93.6	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		70.7	81.3	90.0	93.6	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		70.7	81.3	90.3	94.2	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 400		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 300		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.7	99.7
≥ 200		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0
≥ 100		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0
≥ 0		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-77	MAY
STATION	STATION NAME	YEARS	MONTH

19
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.5	47.7	50.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		54.2	58.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000		54.2	58.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000		54.5	58.4	61.9	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000		54.8	58.7	62.3	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		55.1	59.4	62.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000		57.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000		57.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		62.9	69.4	74.5	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		63.2	70.7	76.1	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000		63.9	71.3	76.8	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000		64.2	71.3	77.4	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		65.2	72.3	78.7	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		66.5	73.9	80.7	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500		67.4	74.9	81.6	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000		70.7	78.1	84.8	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		70.7	78.4	85.5	89.0	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		70.7	78.7	85.8	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800		70.7	78.7	85.8	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500		71.3	79.4	87.1	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200		71.9	80.0	87.7	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		71.9	80.0	88.1	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900		71.9	80.0	88.1	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800		72.3	80.3	88.7	93.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700		72.3	81.0	89.7	94.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600		72.3	81.0	89.7	94.5	95.5	96.5	96.5	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500		72.3	81.0	90.0	95.2	96.5	97.7	97.7	97.7	98.4	98.7	98.7	98.7	98.7	99.0	99.0
≥ 400		72.3	81.0	90.0	95.2	96.5	98.1	98.4	98.4	99.0	99.4	99.4	99.4	99.4	99.7	99.7
≥ 300		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0		72.3	81.0	90.0	95.2	96.5	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	.3	44.7	58.3	66.3	68.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.3
≥ 20000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 12000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	.3	51.7	67.3	69.7	71.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	.3	51.7	67.3	69.0	71.7	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	.3	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	.3	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	.3	55.3	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	.3	55.7	68.0	75.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	.3	56.7	69.0	76.0	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.3	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500	.3	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000	.3	60.3	74.7	82.3	85.0	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	.3	60.7	75.0	82.7	85.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	.3	61.3	76.3	84.7	87.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	.3	61.3	76.3	85.3	87.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	.3	62.3	77.3	87.3	90.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	.3	65.3	79.3	89.3	91.0	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	.3	66.7	80.3	90.3	93.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	.3	66.7	80.3	90.3	93.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.3	66.7	80.3	90.3	94.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	.3	66.7	80.3	90.3	94.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	.3	66.7	80.3	90.7	94.7	96.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	.3	66.7	80.3	90.7	94.7	96.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	.3	66.7	81.3	91.0	95.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.3	66.7	81.3	91.3	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | MAY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	55.2	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000		55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000		55.5	60.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		56.5	61.6	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		59.4	64.5	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000		59.4	64.5	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000		63.6	69.7	73.9	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000		64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000		64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		64.5	71.9	76.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		65.8	73.2	77.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000		67.7	75.5	80.0	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		68.4	76.8	81.3	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		70.0	79.4	84.2	86.1	86.5	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		70.0	80.0	85.5	87.7	88.1	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000		70.0	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		70.3	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500		71.3	82.3	88.1	91.0	91.3	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		71.3	82.6	88.7	91.6	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000		71.3	82.6	88.7	92.3	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900		71.6	83.2	89.4	92.9	93.2	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		72.3	83.9	90.0	93.9	94.2	94.8	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700		72.3	83.9	90.3	94.2	94.5	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600		72.3	84.2	90.7	94.8	95.5	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500		72.6	84.5	91.0	95.5	96.1	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		72.6	84.5	91.3	95.8	96.5	97.4	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

7-1	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.6	4[illegible]	51.3	52.4	52.4	[illegible].6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000		51.3	55.[illegible]	59.2	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		51.3	56.8	59.3	60.5	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1
≥ 16000		51.4	56.9	59.3	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JAN (MONTH) 01 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	50.7	55.3	57.3	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		43.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000		48.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000		48.3	58.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000		48.7	59.0	65.0	67.3	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		49.0	59.7	65.7	68.0	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000		53.0	63.7	70.0	72.7	73.0	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000		53.3	64.0	70.3	73.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000		56.3	68.0	75.7	78.3	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000		57.0	69.0	76.7	79.3	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		57.7	69.7	77.3	80.0	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		60.3	72.7	80.7	83.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		61.7	74.3	82.3	85.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000		63.3	76.3	84.7	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		63.3	76.7	85.3	88.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000		64.3	78.0	86.7	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		64.7	78.3	87.0	90.3	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		66.0	79.7	88.3	92.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		66.0	80.3	89.0	92.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000		67.3	80.3	89.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		67.3	82.3	92.0	96.0	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		67.3	82.3	92.0	96.3	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		67.3	82.3	92.0	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		67.7	83.0	93.3	97.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		67.7	83.3	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1	PATUXENT RIVER, MARYLAND	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.1	46.8	53.2	56.2	56.2	56.9	56.9	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000		44.5	51.5	58.5	62.5	62.5	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		45.2	52.2	59.2	63.2	63.2	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 10000		46.1	54.5	61.9	66.2	66.2	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000		47.2	54.9	62.2	66.6	66.6	67.2	67.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000		70.3	68.5	68.9	73.6	73.6	74.3	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		71.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 6000		51.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000		51.6	62.2	70.6	75.6	75.6	76.3	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500		52.5	63.2	71.6	76.6	76.6	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000		53.2	63.9	72.2	77.3	77.3	77.9	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500		54.5	65.6	73.9	78.9	78.9	79.6	79.9	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000		57.3	70.6	79.3	84.3	84.3	85.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		58.9	71.6	80.6	86.0	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000		60.2	72.9	82.6	88.3	88.3	89.3	89.6	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		60.2	72.9	82.9	88.6	88.6	89.6	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500		60.9	73.9	84.0	90.6	91.0	92.0	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200		61.2	74.3	84.6	91.3	91.6	92.6	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000		62.3	75.3	86.0	92.6	93.0	94.0	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		62.5	75.6	86.3	93.0	93.3	94.7	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		62.9	75.9	87.0	93.7	94.0	95.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		62.9	75.9	87.0	94.0	94.3	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600		62.9	76.3	87.6	94.7	95.3	97.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500		62.9	76.3	87.6	95.3	96.0	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		62.9	76.3	87.6	95.7	96.3	98.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		62.9	76.3	87.6	96.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		62.9	76.3	87.6	96.0	97.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		62.9	76.3	87.6	96.0	97.3	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		62.9	76.3	87.6	96.0	97.0	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 721	PATUXENT RIVER, MARYLAND	73-[illegible]	SEP
STATION	STATION NAME	YEARS	MONTH

13
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	43.5	47.2	52.5	56.[illegible]	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	1.3	46.[illegible]	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	1.[illegible]	48.[illegible]	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	1.3	48.6	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	1.3	48.6	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	1.3	50.2	57.2	61.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	1.3	54.2	61.9	66.2	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	1.3	54.3	62.5	66.9	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	1.3	58.5	67.2	71.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	1.3	59.9	67.6	71.9	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	1.3	59.3	69.2	72.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000	1.3	60.[illegible]	69.6	74.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	1.3	61.[illegible]	71.6	75.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	1.3	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.3	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	1.3	65.9	76.3	81.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	1.3	66.9	79.3	84.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	1.3	67.3	79.6	85.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	1.3	68.2	79.9	86.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.7	69.6	82.3	88.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	1.7	69.9	82.6	89.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	1.7	69.9	82.6	90.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	1.7	69.9	82.9	90.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	1.7	69.9	83.3	91.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	1.7	69.9	83.3	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	1.7	69.9	83.3	91.3	97.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.7	69.9	83.3	91.3	97.1	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.7	69.9	83.3	91.3	97.1	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-83	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.7	48.0	50.0	53.7	55.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		42.3	50.0	56.0	60.0	61.3	63.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		42.7	50.3	56.3	60.3	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		49.3	58.3	66.0	71.0	72.3	74.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000		50.0	59.3	67.0	72.0	73.3	75.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500		51.3	61.3	69.3	74.3	75.3	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		53.0	63.0	71.7	77.3	79.0	81.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500		54.0	64.0	73.0	79.7	80.3	83.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500		57.3	69.0	79.0	83.7	85.7	88.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200		57.7	69.0	79.0	84.7	86.7	89.3	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000		58.0	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900		58.3	69.7	79.7	86.0	88.0	90.7	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800		59.7	71.3	81.7	88.3	90.7	93.3	94.7	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700		59.7	71.3	81.7	88.7	91.0	93.7	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		60.3	71.7	82.0	89.3	91.7	94.7	96.3	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500		60.3	72.0	82.3	90.0	93.0	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
0		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.3	48.3	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	1.7	48.3	57.0	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	1.7	52.3	61.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	1.7	52.3	61.3	67.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	1.7	54.7	64.3	71.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	1.7	55.0	65.0	71.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.7	55.3	65.3	72.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	1.7	56.3	67.0	73.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	1.7	58.3	69.0	75.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	1.7	60.7	72.0	78.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	1.7	60.7	72.3	79.0	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	1.7	63.7	76.7	85.3	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	1.7	64.3	77.3	86.7	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	1.7	65.0	79.0	88.3	92.3	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	1.7	65.3	79.3	88.7	92.7	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	1.7	65.7	79.7	91.0	94.0	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	1.7	65.7	79.7	91.3	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.7	65.7	79.7	91.7	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 900	1.7	66.0	80.3	91.3	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3
≥ 800	1.7	66.3	80.7	91.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0
≥ 700	1.7	66.3	80.7	91.7	97.0	97.3	97.7	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7
≥ 600	1.7	66.7	81.0	92.0	97.3	97.7	98.0	98.0	98.3	98.7	99.3	99.3	99.7	99.7	99.7	99.7
≥ 500	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
0	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[redacted] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-[redacted] YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.7	44.7	48.3	50.7	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000		49.0	53.0	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		49.0	53.0	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000		49.0	53.0	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000		49.3	53.7	57.7	60.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000		50.3	55.0	59.0	61.7	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000		52.0	56.7	61.7	64.3	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000		52.0	56.7	61.7	64.3	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000		58.0	64.0	69.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000		59.7	65.7	70.7	73.7	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000		60.3	66.7	71.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000		60.3	66.7	71.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		61.7	68.3	73.3	76.3	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		63.7	71.0	76.0	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500		63.7	71.0	76.0	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000		64.7	72.3	77.3	81.0	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500		65.3	73.0	78.0	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000		66.7	74.3	79.7	84.3	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800		67.0	74.7	80.0	85.0	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500		68.0	76.7	82.0	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200		68.7	77.7	83.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000		70.7	80.0	87.3	93.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900		71.3	81.3	88.7	94.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		71.3	81.3	88.7	94.3	96.3	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0
≥ 700		71.7	81.3	89.0	95.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	99.7	98.7	98.7	98.7
≥ 600		71.7	81.3	89.0	95.0	97.0	98.3	98.3	98.3	98.3	98.7	98.7	99.0	99.0	99.0	99.0
≥ 500		71.7	81.3	89.3	95.3	97.3	99.0	99.0	99.0	99.0	99.3	99.3	99.7	99.7	99.7	99.7
≥ 400		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION	STATION NAME	YEARS	MONTH
[illegible]1	PATUXENT RIVER, MARYLAND	73-82	SEP

HOURS (L S T) 19

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.3	41.0	46.3	50.7	54.3	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	.3	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	.3	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	.3	46.7	53.7	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	.3	47.3	53.7	59.3	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.3	47.3	54.0	59.7	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	.3	52.3	60.0	66.3	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	.3	52.3	60.3	66.7	71.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	.3	55.3	65.0	72.3	76.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	.3	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	.3	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	.3	56.0	66.0	73.3	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	.3	57.3	67.3	74.7	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.3	59.7	70.0	77.7	82.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	.3	60.3	70.7	78.3	82.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	.3	61.7	73.3	82.0	87.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	.3	62.3	74.7	83.3	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	.3	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	.3	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	.3	64.3	78.3	87.3	93.3	94.0	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	.3	64.7	78.7	88.0	94.0	94.7	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	.3	64.7	78.7	88.0	94.3	95.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	.3	64.7	78.7	88.0	94.3	95.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.3	64.7	78.7	88.0	94.7	95.3	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	.3	64.7	79.7	88.0	95.0	95.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	.3	64.7	79.7	88.3	95.3	96.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	.3	64.7	79.7	88.3	95.3	96.0	98.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	.3	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	.3	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	.3	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	.3	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	.3	64.7	78.7	88.3	95.3	96.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.3	47.3	51.3	53.7	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000		47.7	54.7	60.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000		48.3	55.3	60.7	63.0	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000		52.0	59.3	65.7	68.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000		52.0	59.3	65.7	68.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000		57.7	66.7	73.0	76.0	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000		58.3	67.3	74.0	77.0	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000		58.3	67.3	74.3	77.3	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		58.3	67.3	74.3	77.3	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500		58.3	67.3	74.7	77.7	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		60.0	69.3	77.0	80.0	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500		61.3	70.7	78.7	81.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000		65.3	76.0	84.3	87.3	87.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		66.7	77.7	86.0	89.3	89.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000		68.3	79.7	88.3	92.3	92.7	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800		68.7	80.0	88.7	92.7	93.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500		69.3	80.7	89.3	93.7	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		69.3	80.7	89.3	93.7	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000		69.3	81.0	90.0	94.7	95.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		69.3	81.0	90.0	94.7	95.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		69.3	81.0	90.0	95.0	95.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		69.3	81.0	90.0	95.0	95.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		69.3	81.0	90.0	95.0	95.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		69.3	81.0	90.0	95.3	96.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400		69.3	81.0	90.3	95.7	96.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.7	47.3	51.7	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		52.3	58.3	64.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000		53.3	59.0	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000		53.3	59.3	65.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000		53.3	59.7	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000		53.7	60.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		55.3	62.7	69.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000		56.0	63.3	69.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000		59.3	68.0	74.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000		60.3	69.0	76.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		60.7	69.3	76.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		61.3	70.3	77.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		62.7	71.7	78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		63.3	72.7	80.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500		64.3	74.0	81.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		68.7	78.3	86.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		69.3	79.3	88.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		69.3	79.7	88.3	94.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800		69.7	80.0	88.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500		70.3	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		70.7	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		70.3	80.7	90.7	97.0	97.0	97.7	98.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		71.3	81.7	91.7	98.3	98.3	98.7	99.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		71.3	81.7	91.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[redacted] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-80 (YEARS) SEP (MONTH)

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	41.3	49.0	53.7	56.5	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
≥ 20000	.3	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	.1	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	.3	46.1	54.5	59.6	62.9	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.1	46.5	55.0	60.2	63.4	63.9	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 10000	.3	50.0	59.4	64.9	68.7	69.3	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 9000	.3	50.3	59.8	65.5	69.3	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	.3	53.7	64.0	70.2	74.2	74.8	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 7000	.1	54.1	64.5	70.7	74.7	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	.3	54.3	64.8	71.1	75.2	75.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7
≥ 5000	.1	55.1	65.6	72.2	76.3	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	.1	56.2	66.9	73.5	77.7	78.3	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2
≥ 4000	.3	57.6	68.5	75.2	79.5	80.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	.3	58.2	69.2	76.0	80.3	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
≥ 3000	.3	60.2	72.7	80.4	84.8	85.6	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	.3	60.9	73.7	81.6	86.2	87.0	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2
≥ 2000	.1	61.9	75.1	83.3	88.2	89.1	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	.1	61.9	75.2	83.5	88.5	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1500	.1	62.9	77.0	85.9	91.0	92.0	93.0	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	.9	63.2	77.5	86.5	91.7	92.8	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.3	94.3
≥ 1000	.9	63.4	78.0	87.5	93.1	94.3	95.2	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	.9	63.6	78.2	87.9	93.5	94.7	95.6	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.3	96.3
≥ 800	.9	63.7	78.5	88.3	94.2	95.4	96.4	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	.9	63.7	78.6	88.6	94.7	96.0	97.1	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9
≥ 600	.9	63.8	78.7	88.9	95.1	96.5	97.7	98.0	98.1	98.3	98.5	98.5	98.5	98.5	98.6	98.6
≥ 500	.9	63.9	78.7	89.1	95.3	96.8	98.4	98.8	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4
≥ 400	.9	63.9	78.7	89.1	95.5	97.0	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 200	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721	PATUXENT RIVER, MARYLAND	73-[illegible]	JUN	19
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.7	50.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7
≥ 20000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 18000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 16000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 14000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 12000		51.3	62.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7
≥ 10000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
≥ 9000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
≥ 8000		59.0	71.7	77.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7
≥ 7000		60.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0
≥ 6000		60.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0
≥ 5000		61.3	74.0	80.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	84.0	84.0
≥ 4500		63.3	76.0	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.7	86.7
≥ 4000		65.0	78.3	85.0	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	89.0	89.0
≥ 3500		65.7	79.3	86.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.3	90.3
≥ 3000		66.0	79.7	87.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.3	91.3
≥ 2500		66.3	80.0	87.3	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.7	91.7
≥ 2000		67.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3	94.3
≥ 1800		67.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3	94.3
≥ 1500		67.7	81.7	90.0	93.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3	95.7	95.7
≥ 1200		67.7	82.0	90.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	96.0	96.0
≥ 1000		68.0	82.3	91.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.7	96.7
≥ 900		68.0	82.7	91.3	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	97.0	97.0
≥ 800		68.3	83.3	92.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	98.0	98.3
≥ 700		68.3	83.7	93.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7	99.0
≥ 600		68.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3	99.7
≥ 500		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 400		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 300		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 200		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 100		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0
≥ 0		68.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	56.5	60.7	63.9	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	.3	58.4	63.2	66.5	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	63.3	69.4	72.6	73.2	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	.3	64.5	70.3	73.2	73.9	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	.3	65.2	70.7	73.9	74.5	74.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	.3	66.5	71.9	75.5	76.1	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	.3	70.3	76.1	79.7	80.3	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	.3	71.9	78.4	82.3	82.9	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	.3	72.6	79.4	83.2	83.9	84.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	.3	73.9	81.0	84.8	85.5	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	.3	74.8	82.3	86.8	87.4	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	.3	76.1	84.5	89.7	91.0	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	.3	76.5	84.8	90.0	91.6	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	.3	76.5	85.2	90.3	91.9	92.3	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	.3	76.9	85.2	90.7	92.6	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	.3	76.9	85.5	91.3	93.6	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	.3	76.9	86.1	91.9	94.2	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	.3	77.1	86.8	92.6	95.2	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	99.7
0	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUN (MONTH)

22 (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.3	55.0	60.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000		58.7	62.0	66.0	67.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000		58.7	62.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		58.7	62.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		61.3	66.7	66.7	69.0	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000		61.7	66.0	67.0	69.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		64.7	64.7	70.7	73.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000		65.0	65.0	71.0	73.3	73.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000		69.3	70.3	77.0	79.3	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 7000		69.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000		69.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000		69.7	72.3	80.0	82.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		71.3	73.7	80.3	83.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000		72.3	74.3	82.7	85.3	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500		72.7	74.3	83.0	85.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		74.0	76.0	85.7	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		74.7	77.0	86.7	89.3	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000		75.3	77.7	87.7	90.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		75.3	78.0	88.0	91.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500		77.3	80.3	90.7	93.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		77.7	80.7	91.0	94.0	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000		78.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		78.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		78.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		79.0	82.7	93.3	96.3	97.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		79.0	82.7	94.0	97.0	97.7	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
0		79.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 77-[illegible] | OCT

STATION | STATION NAME | YEARS | MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	44.2	48.1	52.6	54.2	54.2	55.5	55.8	55.9	56.1	56.5	56.5	56.5	56.5	56.5	57.4
≥ 20000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 18000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 16000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 14000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 12000	1.[illegible]	47.4	52.3	57.4	60.3	60.3	61.6	62.3	62.3	62.9	63.2	63.2	63.6	63.6	63.9	64.5
≥ 10000	1.[illegible]	49.4	54.5	59.7	62.6	62.6	63.9	64.5	64.5	65.2	65.5	65.5	65.8	65.8	66.1	66.8
≥ 9000	1.[illegible]	50.0	55.2	60.3	63.2	63.2	64.5	65.2	65.2	65.8	66.1	66.1	66.5	66.5	66.8	67.4
≥ 8000	1.[illegible]	55.2	60.3	66.1	69.0	69.0	70.7	71.3	71.3	71.9	72.3	72.3	72.6	72.6	72.9	73.6
≥ 7000	1.[illegible]	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
≥ 6000	1.[illegible]	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
≥ 5000	1.[illegible]	57.1	62.6	68.7	71.9	71.9	73.6	74.2	74.2	74.8	75.2	75.2	75.5	75.5	75.8	76.5
≥ 4500	1.[illegible]	58.1	64.2	70.3	73.6	73.6	75.2	75.8	75.8	76.5	76.8	76.8	77.1	77.1	77.4	78.1
≥ 4000	1.[illegible]	60.0	66.1	72.3	75.8	75.8	77.4	78.1	78.1	78.7	79.0	79.0	79.4	79.4	79.7	80.3
≥ 3500	1.[illegible]	61.0	67.4	74.2	77.7	77.7	79.4	80.0	80.0	80.7	81.0	81.0	81.3	81.3	81.6	82.3
≥ 3000	1.3	63.2	70.0	77.1	81.0	81.0	82.9	83.6	83.6	84.2	84.5	84.5	84.8	84.8	85.2	85.8
≥ 2500	1.3	64.5	71.3	79.0	83.2	83.6	85.5	86.1	86.1	86.8	87.1	87.1	87.4	87.4	87.7	88.4
≥ 2000	1.3	65.2	71.9	79.7	84.2	84.5	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
≥ 1800	1.3	65.2	71.9	79.7	84.2	84.5	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
≥ 1500	1.3	66.1	72.9	81.0	85.5	85.8	87.7	88.4	88.4	89.0	89.4	89.4	89.7	89.7	90.0	90.7
≥ 1200	1.3	66.1	73.6	82.3	86.8	87.1	89.0	89.7	89.7	90.3	90.7	90.7	91.0	91.0	91.3	91.9
≥ 1000	1.3	66.5	74.2	83.2	87.7	88.1	90.0	91.0	91.0	91.6	91.9	91.9	92.3	92.3	92.6	93.2
≥ 900	1.3	66.5	74.2	83.2	87.7	88.1	90.3	91.3	91.3	91.9	92.3	92.3	92.6	92.6	92.9	93.6
≥ 800	1.3	66.5	74.5	84.2	89.0	89.4	91.6	92.6	92.6	93.2	93.6	93.6	93.9	93.9	94.2	94.8
≥ 700	1.3	66.5	74.8	84.5	89.4	89.7	91.9	93.2	93.2	94.2	94.5	94.5	94.8	94.8	95.2	95.9
≥ 600	1.3	66.5	74.8	84.8	89.7	90.0	92.6	93.9	93.9	94.8	95.2	95.2	95.5	95.5	95.8	96.5
≥ 500	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
≥ 400	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	95.8	96.5	96.5	96.8	96.8	97.1	97.7
≥ 300	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.1	96.8	96.8	97.1	97.1	97.4	98.1
≥ 200	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.1	96.8	96.8	97.1	97.1	97.4	98.4
≥ 100	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.5	97.1	97.1	97.7	97.7	98.7	100.0
≥ 0	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.5	97.1	97.1	97.7	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73-77 JUN

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.2	48.4	53.0	55.4	55.8	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		48.3	55.7	61.4	64.3	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000		48.1	55.8	61.5	64.4	64.9	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000		48.1	55.8	61.6	64.4	64.9	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
≥ 14000		48.4	56.7	61.9	64.8	65.3	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 12000		49.3	56.9	62.7	65.6	66.1	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 10000		51.7	60.1	66.4	69.5	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 9000		51.9	60.3	66.6	69.7	70.1	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		56.1	65.9	72.7	76.1	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 7000		57.1	67.0	74.0	77.4	77.8	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
≥ 6000		57.3	67.3	74.2	77.7	78.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000		57.7	67.7	74.8	78.3	78.7	79.6	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 4500		58.6	68.8	76.0	79.5	80.0	80.8	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000		60.0	70.5	78.0	81.7	82.2	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 3500		69.7	71.4	79.0	82.8	83.2	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3000		62.8	74.0	82.1	86.0	86.5	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 2500		63.5	74.9	83.1	87.2	87.7	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 2000		64.7	76.3	84.9	89.3	89.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 1800		64.9	76.5	85.1	89.6	90.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1500		65.8	77.7	86.5	91.5	92.0	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 1200		66.3	78.1	87.1	91.9	92.7	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		66.8	79.1	88.6	93.6	94.5	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 900		67.0	79.4	88.9	94.0	94.8	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 800		67.4	79.9	89.5	94.7	95.6	97.0	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.7
≥ 700		67.4	80.0	89.7	94.9	95.9	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.0
≥ 600		67.4	80.1	89.9	95.3	96.3	97.8	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500		67.5	80.2	90.1	95.7	96.8	98.4	98.3	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 400		67.5	80.2	90.3	95.9	97.1	98.8	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.4	99.6	99.7	99.8	99.8	99.9	99.9	100.0
≥ 200		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 72-[illegible] OCT

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1[illegible]

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	3.[illegible]	58.9	57.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	1.[illegible]	[illegible]	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	1.[illegible]	[illegible]	62.9	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000	1.[illegible]	[illegible]	63.0	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	1.[illegible]	[illegible]	62.9	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	1.[illegible]	[illegible]	67.4	69.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	1.[illegible]	[illegible]	66.7	69.3	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	1.[illegible]	[illegible]	66.7	69.6	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	1.[illegible]	66.7	70.4	72.3	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	1.[illegible]	67.0	71.3	74.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	1.[illegible]	67.4	71.9	74.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	1.[illegible]	68.1	72.3	75.1	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	1.[illegible]	68.9	73.1	75.4	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	1.[illegible]	72.5	77.0	79.3	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	1.[illegible]	73.8	79.0	80.3	81.6	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	1.[illegible]	76.4	81.6	84.5	86.4	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	1.[illegible]	77.[illegible]	82.2	85.1	87.1	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	1.[illegible]	78.[illegible]	83.5	86.4	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	1.[illegible]	78.[illegible]	83.5	86.4	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	1.[illegible]	78.3	84.1	87.1	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	1.[illegible]	79.0	84.8	88.0	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	1.[illegible]	79.3	85.1	88.4	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	1.[illegible]	79.3	85.1	88.7	92.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	1.[illegible]	79.3	85.4	89.3	92.9	93.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	1.[illegible]	79.6	86.4	90.3	93.9	94.8	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	1.[illegible]	79.6	86.4	90.3	94.2	95.2	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	1.[illegible]	79.9	86.7	90.6	94.5	95.5	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.[illegible]	80.3	87.1	90.9	94.8	95.8	97.7	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 200	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 100	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	100.0
≥ 0	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3[illegible]9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-82 JUL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	49.7	56.1	59.4	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 18000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 16000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 14000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 12000		44.2	56.5	65.8	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
≥ 10000		46.1	58.4	68.7	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5	76.5
≥ 9000		46.1	58.4	68.7	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5	76.5
≥ 8000		49.0	62.9	74.8	81.0	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥ 7000		49.7	63.6	75.5	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9
≥ 6000		49.7	63.6	75.5	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9
≥ 5000		50.7	64.8	76.8	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5
≥ 4500		50.7	64.8	76.8	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5
≥ 4000		51.0	65.8	78.4	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 3500		51.0	66.5	79.0	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1
≥ 3000		52.3	68.1	81.9	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9	91.9
≥ 2500		52.3	68.4	82.3	90.0	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.3	92.3
≥ 2000		53.2	69.4	83.2	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9	93.9
≥ 1800		53.6	69.7	83.6	91.9	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5
≥ 1500		53.9	70.7	85.2	93.6	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5
≥ 1200		54.2	71.0	85.5	93.9	95.5	96.8	96.8	96.8	95.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 1000		54.2	71.0	85.8	94.2	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
≥ 900		54.3	71.9	86.8	95.2	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 800		55.2	72.3	87.4	95.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 700		55.2	72.3	87.4	95.8	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 600		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 500		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 400		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 300		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	51.3	53.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	1.3	58.1	60.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	1.3	58.4	60.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	1.6	60.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	1.6	60.7	63.2	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	1.6	65.3	69.0	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	1.6	66.5	69.7	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	1.9	66.8	70.0	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	1.9	67.4	70.7	72.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	1.9	69.1	72.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9
≥ 4000	1.9	71.4	74.8	76.5	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	2.3	74.5	77.7	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	2.3	80.0	84.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 2500	2.3	80.7	84.9	86.5	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4
≥ 2000	2.3	81.9	86.1	86.1	86.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
≥ 1800	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
≥ 1500	2.3	82.6	87.4	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 1200	2.3	2.9	87.7	91.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9
≥ 1000	2.3	3.0	88.4	91.6	93.6	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8
≥ 900	2.3	3.0	88.7	92.6	94.5	95.5	95.8	96.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8
≥ 800	2.3	3.0	88.7	92.9	94.8	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4	97.4	97.4
≥ 700	2.3	4.3	90.0	93.2	95.2	96.1	96.5	97.1	97.1	97.4	97.7	97.7	98.1	98.1	98.1	98.1
≥ 600	2.3	4.3	90.0	93.6	95.8	96.8	97.1	97.7	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.7
≥ 500	2.3	4.3	90.0	93.6	95.8	96.8	97.1	97.7	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.7
≥ 400	2.3	4.3	90.0	93.9	96.1	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.7
≥ 300	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
0	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.[illegible]	46.1	55.5	61.[illegible]	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000		39.[illegible]	51.6	62.6	69.7	71.[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		39.[illegible]	51.6	62.6	69.7	71.[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		39.[illegible]	51.6	62.6	69.7	71.[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		39.[illegible]	51.6	62.6	69.7	71.[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000		40.[illegible]	52.9	63.9	71.[illegible]	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		41.[illegible]	56.1	67.1	75.2	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		41.[illegible]	56.1	67.1	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000		44.5	5[illegible].7	71.6	[illegible]1.[illegible]	[illegible]2.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000		44.[illegible]	6[illegible].0	72.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		44.[illegible]	6[illegible].0	72.6	82.3	[illegible]3.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		45.2	6[illegible].3	73.2	83.9	85.2	85.8	85.8	85.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		46.1	61.3	74.2	84.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000		47.1	62.6	75.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		47.4	63.2	76.1	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		48.4	65.2	78.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		48.4	65.2	78.4	89.7	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000		48.4	65.5	78.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800		48.4	65.5	78.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500		48.4	66.5	80.0	91.3	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		48.7	67.1	81.3	92.6	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		49.0	68.1	82.9	94.5	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		49.0	68.1	82.9	94.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		49.4	68.4	83.2	95.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		49.4	68.4	83.6	95.5	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 1 | PAT[illegible]T RIVER, MARYLAND | 73-[illegible] | OCT

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	1.[illegible]	54.2	55.2	55.[illegible]	[illegible]5.3	55.[illegible]	[illegible]6.3	55.[illegible]	55.3	55.[illegible]	55.8	55.[illegible]	55.8	55.[illegible]	[illegible]5.[illegible]
≥ 20000	1.[illegible]	59.7	62.9	64.3	65.2	65.3	65.3	[illegible]5.[illegible]	[illegible]5.[illegible]	65.3	65.[illegible]	65.4	[illegible]5.[illegible]	65.3	65.[illegible]	[illegible]5.3
≥ 18000	1.[illegible]	59.7	62.[illegible]	64.3	65.2	[illegible]5.[illegible]	65.[illegible]	[illegible]5.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]5.8	[illegible]6.[illegible]	65.3	65.[illegible]	65.3
≥ 16000	1.[illegible]	59.7	62.[illegible]	64.3	65.2	[illegible]5.[illegible]	65.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]6.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]
≥ 14000	1.[illegible]	[illegible]0.[illegible]	61.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1
≥ 12000	1.[illegible]	[illegible]0.7	62.3	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	66.3	66.[illegible]	66.8	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]
≥ 10000	1.[illegible]	[illegible]4.[illegible]	67.7	[illegible]9.7	70.[illegible]	[illegible]0.7	70.7	[illegible]0.7	[illegible]0.7	70.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7
≥ 9000	1.[illegible]	[illegible]5.[illegible]	[illegible]7.4	70.3	70.7	71.3	71.3	71.3	71.[illegible]	71.3	71.[illegible]	71.3	71.[illegible]	71.3	71.[illegible]	71.3
≥ 8000	1.[illegible]	[illegible]9.7	73.[illegible]	75.2	75.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5
≥ 7000	1.[illegible]	69.7	73.[illegible]	76.5	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	1.[illegible]	7[illegible].3	74.5	77.1	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000	1.[illegible]	71.3	75.[illegible]	78.4	79.[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	1.[illegible]	71.9	76.3	79.7	8[illegible].3	[illegible]1.[illegible]	81.[illegible]	[illegible]1.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	[illegible]1.[illegible]	81.[illegible]	[illegible]1.[illegible]	[illegible]1.[illegible]
≥ 4000	1.[illegible]	74.5	7[illegible].7	82.6	83.2	[illegible]3.9	83.9	83.9	83.9	83.9	83.9	83.9	[illegible]3.9	83.9	[illegible]3.9	[illegible]3.9
≥ 3500	1.[illegible]	75.5	80.7	83.6	84.2	[illegible]4.8	84.8	[illegible]4.8	84.[illegible]	[illegible]4.8	84.[illegible]	[illegible]4.[illegible]	[illegible]4.8	[illegible]4.[illegible]	[illegible]4.8	[illegible]4.8
≥ 3000	1.[illegible]	78.4	83.6	87.4	88.1	[illegible]8.7	88.7	[illegible]8.7	[illegible]8.7	88.7	88.7	88.7	[illegible]8.7	88.7	[illegible]8.7	[illegible]8.7
≥ 2500	1.[illegible]	79.7	85.2	89.[illegible]	90.[illegible]	[illegible]0.7	90.7	[illegible]0.7	[illegible]0.7	90.7	90.7	90.7	[illegible]0.7	90.7	[illegible]0.7	[illegible]0.7
≥ 2000	1.[illegible]	[illegible]1.[illegible]	86.5	[illegible]0.3	91.6	[illegible]2.[illegible]	93.2	[illegible]3.2	[illegible]3.2	93.2	93.2	93.2	[illegible]3.2	93.2	[illegible]3.2	[illegible]3.[illegible]
≥ 1800	1.[illegible]	[illegible]1.[illegible]	86.5	[illegible]0.3	91.6	[illegible]2.6	93.[illegible]	[illegible]3.2	[illegible]3.2	93.2	93.2	93.2	[illegible]3.2	[illegible]3.2	[illegible]3.2	[illegible]3.[illegible]
≥ 1500	1.[illegible]	[illegible]1.3	[illegible]7.1	91.3	[illegible]2.6	[illegible]3.6	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5
≥ 1200	1.[illegible]	[illegible]1.[illegible]	[illegible]7.7	91.9	[illegible]3.2	[illegible]4.5	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.3	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]5.[illegible]
≥ 1000	1.[illegible]	[illegible]1.3	[illegible]8.1	[illegible]2.3	[illegible]3.6	[illegible]4.3	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.8	[illegible]5.8	[illegible]5.8	[illegible]5.[illegible]	[illegible]5.3
≥ 900	1.[illegible]	[illegible]1.[illegible]	[illegible]8.4	[illegible].6	[illegible]4.5	[illegible]5.8	[illegible]6.5	[illegible]6.5	[illegible]6.[illegible]	[illegible]6.5	[illegible]6.5	[illegible]6.6	[illegible]6.8	[illegible]6.8	[illegible]6.8	[illegible]6.8
≥ 800	1.[illegible]	[illegible]1.[illegible]	[illegible]8.4	[illegible]3.2	[illegible]5.2	[illegible]6.3	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7
≥ 700	1.[illegible]	[illegible]1.[illegible]	[illegible]8.[illegible]	[illegible]3.9	[illegible]5.8	[illegible]7.4	[illegible]8.1	[illegible]8.1	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 600	1.[illegible]	[illegible]1.[illegible]	[illegible]8.7	[illegible]3.9	[illegible]5.8	[illegible]7.4	[illegible]8.1	[illegible]8.1	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 500	1.[illegible]	[illegible]2.[illegible]	[illegible]8.[illegible]	[illegible]4.2	[illegible]5.[illegible]	[illegible]7.7	[illegible]8.4	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	99.0	99.0	99.0	99.0	[illegible]9.[illegible]
≥ 400	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.[illegible]	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.4	99.4	99.4	99.4	[illegible]9.4
≥ 300	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
≥ 200	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
≥ 100	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
0	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.[illegible]	99.[illegible]	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]1[illegible]

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-82 JUL
STATION STATION NAME YEARS MONTH

07
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	39.[illegible]	36.[illegible]	46.0	51.[illegible]	53.4	56.0	58.3	58.[illegible]	58.3	58.3	58.3	58.3	58.3	58.6	58.6
≥ 20000	[illegible]	32.7	4[illegible].5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 18000	[illegible]	32.7	4[illegible].5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 16000	[illegible]	32.7	4[illegible].5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 14000	[illegible]	32.7	4[illegible].5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 12000	[illegible]	33.7	41.4	51.5	57.3	59.2	62.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7
≥ 10000	[illegible]	37.[illegible]	46.3	57.6	65.1	67.6	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1
≥ 9000	[illegible]	37.9	46.3	57.6	65.1	67.6	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1
≥ 8000	[illegible]	40.[illegible]	51.5	64.7	73.8	76.7	79.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 7000	[illegible]	41.1	52.1	65.4	74.4	77.4	80.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.9	82.9
≥ 6000	[illegible]	41.1	52.1	65.4	74.8	77.7	80.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥ 5000	[illegible]	42.1	53.1	66.7	76.4	79.3	82.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1
≥ 4500	[illegible]	42.4	53.7	67.3	77.0	79.9	83.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.8	85.8
≥ 4000	[illegible]	43.0	54.4	68.[illegible]	78.[illegible]	80.9	84.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 3500	[illegible]	43.4	54.7	68.6	79.[illegible]	81.[illegible]	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 3000	[illegible]	44.0	55.7	69.9	80.6	83.[illegible]	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.6
≥ 2500	[illegible]	44.0	55.7	70.2	80.9	84.1	87.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0
≥ 2000	[illegible]	44.7	56.3	70.9	81.6	84.8	88.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
≥ 1800	[illegible]	44.7	56.3	70.9	81.9	85.1	88.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9
≥ 1500	[illegible]	45.6	57.3	71.8	83.2	86.7	90.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	92.9
≥ 1200	[illegible]	45.6	57.9	72.6	84.1	87.7	91.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.9	93.9
≥ 1000	[illegible]	45.6	58.6	74.1	86.1	89.6	93.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1
≥ 900	[illegible]	45.6	58.9	74.4	86.4	90.0	93.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.4	96.4
≥ 800	[illegible]	46.0	59.3	74.8	86.7	90.3	94.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 700	[illegible]	46.3	59.6	75.4	87.4	90.9	95.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1
≥ 600	[illegible]	46.3	59.6	75.4	87.4	91.6	95.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 500	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
≥ 400	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
≥ 300	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	[illegible]	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	40.1	46.2	52.8	56.6	58.3	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	1.0	44.3	50.2	58.2	64.4	66.0	67.3	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	1.0	45.0	51.8	60.2	65.4	67.0	68.3	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	1.0	48.2	54.7	65.4	70.6	72.2	73.5	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	1.0	48.2	55.0	65.7	70.9	72.5	73.8	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	1.0	56.2	57.9	70.2	76.1	78.0	79.3	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000	1.0	56.5	58.3	70.6	76.7	78.6	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	1.0	70.5	59.3	70.6	76.7	78.6	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000	1.0	71.1	59.2	71.8	78.0	79.9	81.2	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	1.0	71.3	59.6	72.5	78.6	80.6	82.2	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.0	72.1	60.5	74.8	81.2	83.2	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	1.0	72.4	60.9	75.4	81.9	83.8	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	1.0	73.1	62.1	76.7	83.8	86.1	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	1.0	74.4	63.4	78.6	85.8	88.0	90.6	90.9	91.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	1.0	75.3	64.1	79.6	86.7	89.0	91.6	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	1.0	75.3	64.4	79.9	87.1	89.3	91.9	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	1.0	76.3	65.4	81.9	88.0	92.6	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	1.0	76.3	65.4	81.9	90.3	93.2	95.8	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	1.0	77.3	66.0	82.9	91.9	95.2	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	1.0	77.0	66.0	82.9	92.2	95.5	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	1.0	77.3	66.0	83.2	92.6	95.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	1.0	77.6	66.3	83.5	92.9	96.1	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	1.0	77.6	66.3	83.5	92.9	96.1	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.0	77.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	1.0	7.6	66.3	83.5	92.9	96.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING			6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000			64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000			67.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000		63.1	65.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000		67.0	72.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 7000		67.6	74.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000			75.1	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000			75.7	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500		71.	79.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000		73.9	81.6	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500		74.1	82.5	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000		75.7	84.5	89.3	89.6	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500		75.7	84.5	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		76.7	86.1	90.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800		77.0	87.7	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500		77.4	87.7	92.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		77.7	88.1	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		77.7	88.4	93.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		78.	89.	94.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800		78.3	89.3	94.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700		78.	89.3	94.5	96.1	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600		78.	89.3	94.5	96.1	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		78.	89.3	94.5	96.1	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		78.3	89.3	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		78.	89.	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 200		78.	89.3	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 100		78.	89.7	94.8	96.4	97.1	98.7	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0		78.	89.3	94.8	96.4	97.1	98.7	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 77- (YEARS) | JUL (MONTH)

1 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ⅝	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.7	47.7	55.2	58.7	65.4	68.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	1.0	47.4	55.2	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.0	47.4	55.9	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.0	47.4	55.9	64.8	68.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.0	47.4	55.9	65.2	69.0	69.7	70.7	71.3	71.7	71.3	71.7	71.3	71.3	71.7	71.3	71.3
≥ 12000	1.0	48.1	56.6	66.1	70.0	70.7	71.6	72.3	72.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	1.0	48.4	57.4	66.7	70.6	73.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	1.0	49.4	58.4	66.7	70.6	73.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	1.0	50.7	61.0	71.3	76.5	77.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.0	50.7	61.3	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	1.0	50.7	61.3	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	1.0	51.0	61.9	72.6	77.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	1.0	51.3	62.3	73.2	78.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	1.0	51.6	62.6	73.6	79.0	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.0	51.9	62.9	73.9	79.7	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	1.0	54.1	67.4	81.0	88.1	89.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	1.0	56.1	69.0	82.9	90.3	92.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	1.0	56.5	69.4	83.6	91.3	93.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	1.0	56.5	69.4	83.9	91.6	93.6	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	1.0	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	1.0	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	1.0	57.4	71.3	85.8	94.2	96.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.0	57.4	71.3	85.8	94.5	96.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.0	57.4	71.7	86.2	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.0	57.4	71.7	86.2	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.0	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT [illegible], MARYLAND | 73-82 | OCT

STATION | STATION NAME | YEARS | MONTH

ALL

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	52.0	55.6	57.6	58.4	58.4	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2
≥ 20000	.8	56.3	60.2	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 18000	.8	56.3	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 16000	.8	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 14000	.9	56.3	61.0	63.0	64.0	64.1	64.5	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.1
≥ 12000	.9	56.5	61.0	63.6	64.5	64.7	65.1	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6
≥ 10000	.9	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.6
≥ 9000	.9	59.9	64.3	66.9	67.9	68.1	68.5	68.8	68.8	68.9	68.9	68.9	68.9	69.0	69.1	69.1
≥ 8000	1.0	64.8	69.5	72.6	73.7	73.9	74.4	74.7	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.1
≥ 7000	1.0	65.4	70.5	73.7	74.8	75.0	75.5	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.2
≥ 6000	1.0	65.8	70.9	74.0	75.1	75.4	75.9	76.1	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5
≥ 5000	1.0	66.7	71.9	75.1	76.2	76.5	77.0	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.6	77.6
≥ 4500	1.0	68.4	73.9	77.1	78.3	78.5	79.1	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.6	79.7
≥ 4000	1.0	70.5	76.2	79.6	80.9	81.2	81.7	81.9	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.3
≥ 3500	1.1	71.7	77.6	81.0	82.3	82.6	83.1	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.7	83.8
≥ 3000	1.1	74.3	80.6	84.5	86.1	86.3	86.8	87.1	87.1	87.2	87.3	87.3	87.4	87.4	87.5	87.5
≥ 2500	1.1	75.2	81.6	85.8	87.3	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.9	88.9
≥ 2000	1.1	76.1	82.7	87.0	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
≥ 1800	1.1	76.1	82.8	87.1	88.9	89.4	90.1	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.8
≥ 1500	1.1	76.3	83.9	88.5	90.6	91.0	91.8	92.0	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.5
≥ 1200	1.1	77.0	84.3	89.1	91.3	91.8	92.5	92.8	92.9	92.9	92.9	93.0	93.1	93.1	93.2	93.3
≥ 1000	1.1	77.2	84.9	89.8	92.2	92.7	93.5	93.9	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.4
≥ 900	1.1	77.4	85.1	90.2	92.7	93.2	94.2	94.6	94.6	94.7	94.7	94.8	94.9	94.9	95.0	95.0
≥ 800	1.1	77.5	85.4	91.7	93.3	93.8	94.9	95.2	95.2	95.4	95.5	95.6	95.7	95.7	95.8	95.8
≥ 700	1.1	77.6	85.6	91.1	93.7	94.4	95.5	95.9	95.9	96.3	96.3	96.4	96.5	96.5	96.6	96.7
≥ 600	1.1	77.6	85.7	91.4	94.1	94.8	96.1	96.4	96.4	96.7	96.8	96.9	97.0	97.0	97.1	97.1
≥ 500	1.1	77.8	85.9	91.6	94.4	95.2	96.5	97.0	97.0	97.3	97.4	97.5	97.5	97.6	97.7	97.7
≥ 400	1.1	77.9	86.1	91.9	94.8	95.6	97.1	97.7	97.7	98.1	98.3	98.4	98.4	98.4	98.5	98.5
≥ 300	1.1	77.9	86.1	91.9	94.9	95.7	97.3	97.9	97.9	98.4	98.6	98.7	98.9	98.9	99.0	99.1
≥ 200	1.1	77.9	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.5	98.8	98.9	99.1	99.1	99.3	99.4
≥ 100	1.1	77.9	86.2	91.9	94.9	95.8	97.4	98.0	98.0	98.6	99.0	99.0	99.3	99.3	99.6	99.9
≥ 0	1.1	77.9	86.2	91.9	94.9	95.8	97.4	98.0	98.0	98.6	98.9	99.0	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2472

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME PATUXENT RIVER, MARYLAND YEARS 7?- ? MONTH J L

HOURS (L S T) 1?

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	37.4	46.?	51.7	54.9	55.?	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.?	56.?
≥ 20000	1.	41.?	5?.7	56.7	64.8	65.5	66.1	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 18000	1.	41.?	5?.7	56.7	64.?	65.5	66.1	66.8	66.?	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 16000	1.?	41.?	5?.7	56.7	64.?	65.5	66.1	66.8	66.?	66.9	66.9	66.9	66.9	66.9	66.?	66.?
≥ 14000	1.?	41.?	5?.7	59.?	64.8	65.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	1.?	42.3	5?.?	6?.3	66.5	67.4	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	1.?	45.?	56.5	65.5	73.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.?	75.?
≥ 9000	1.?	46.1	56.8	66.1	73.9	74.6	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	1.	49.1	59.?	7?.?	79.4	80.?	?0.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	1.	48.1	59.7	71.5	79.4	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	1.	48.4	6?.?	71.3	79.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	1.	48.4	6?.?	71.3	8?.?	81.?	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	1.?	48.7	6?.3	71.6	8?.3	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.?	49.?	61.?	73.6	82.6	83.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.?	49.?	61.?	73.9	82.9	83.9	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	1.?	52.9	66.5	81.?	91.9	93.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	1.?	53.2	67.1	81.6	93.2	94.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	1.?	53.6	67.4	82.3	93.9	95.2	96.?	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	1.?	53.6	67.4	82.3	93.9	95.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	1.?	53.8	67.4	83.2	94.?	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	1.?	53.8	67.4	83.2	94.?	96.1	97.7	98.4	99.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	1.?	53.8	67.4	83.6	95.?	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.?	53.8	67.4	83.6	95.?	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	1.?	53.8	67.4	83.6	96.1	97.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 600	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 500	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 400	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 300	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 200	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 100	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?
≥ 0	1.?	53.8	67.4	83.6	96.1	97.4	99.0	1?.0	100.?	100.?	100.?	100.0	100.?	100.?	100.?	100.?

TOTAL NUMBER OF OBSERVATIONS 1?

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

72781	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

01
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	68.7	69.0	81.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.7	84.3
≥ 20000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 18000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 16000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 14000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 12000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 10000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	71.3
≥ 9000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	71.3
≥ 8000	1.0	69.3	70.7	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.7	76.7
≥ 7000	1.0	70.3	72.7	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.7	78.7
≥ 6000	1.0	70.7	73.3	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.3	79.3
≥ 5000	1.0	71.0	73.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.7	79.7
≥ 4500	1.0	71.3	74.0	76.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7	80.7
≥ 4000	1.0	72.7	75.3	77.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.0	82.0
≥ 3500	1.0	74.0	76.7	78.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	83.3
≥ 3000	1.0	75.7	78.3	80.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3	85.3
≥ 2500	1.0	76.7	79.7	82.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	87.0
≥ 2000	1.0	77.0	80.0	82.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7	87.7
≥ 1800	1.0	77.3	80.7	83.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3	88.3
≥ 1500	1.0	77.3	81.0	83.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	89.0
≥ 1200	1.0	78.3	82.3	85.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	90.3
≥ 1000	1.0	78.7	83.0	85.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	91.3
≥ 900	1.0	78.7	83.7	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.3
≥ 800	1.0	78.7	83.7	87.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.7	92.7
≥ 700	1.0	79.3	84.3	88.0	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	94.0
≥ 600	1.0	79.3	84.7	88.3	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.3
≥ 500	1.0	79.3	85.0	88.7	92.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	95.7
≥ 400	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
≥ 300	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
≥ 200	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.3	98.0	99.3
≥ 100	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.3	97.3	97.7	97.7	98.3	100.0
≥ 0	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.3	97.7	97.0	97.3	97.3	97.7	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] JUL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	35.	4 .6	47.4	50.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.9	51.9
≥ 20000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 18000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 16000	.3	41.6	51.9	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 14000	.3	41.6	51.9	57.1	61.9	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5
≥ 12000	.3	42.3	51.3	58.0	64.2	65.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1
≥ 10000	.3	43.1	52.9	62.3	69.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3
≥ 9000	.3	43.	52.9	62.3	69.1	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3
≥ 8000	.3	47.4	59.0	69.4	75.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0
≥ 7000	.3	47.7	60.7	71.6	78.7	80.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.3
≥ 6000	.3	49.1	61.0	71.9	79.0	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6
≥ 5000	.3	49.4	61.6	72.6	80.0	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2
≥ 4500	.3	50.1	62.3	73.6	81.3	82.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.2
≥ 4000	.3	50.7	63.2	74.5	81.9	83.9	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.1
≥ 3500	.3	52.0	67.2	74.8	82.6	84.5	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	86.8
≥ 3000	.3	52.6	66.1	79.7	87.4	89.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9	91.9
≥ 2500	.3	53.5	67.4	81.0	89.4	91.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9	93.9
≥ 2000	.3	53.9	68.1	82.3	91.0	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8
≥ 1800	.3	53.9	68.1	82.3	91.0	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8
≥ 1500	.3	54.2	68.7	83.2	92.3	94.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 1200	.3	54.2	68.7	83.6	92.6	94.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
≥ 1000	.3	54.2	68.7	83.9	92.9	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 900	.3	54.2	68.7	83.9	92.9	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 800	.3	54.5	69.0	84.2	93.2	95.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
≥ 700	.3	54.5	69.0	84.2	93.6	95.8	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 600	.3	54.5	69.0	84.2	93.6	95.8	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 500	.3	54.5	69.0	84.3	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 400	.3	54.5	69.0	84.8	94.3	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 300	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	.3	54.5	69.0	84.8	94.2	96.5	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1[illegible]21	PATUXENT RIVER, MARYLAND	73-[illegible]	NOV	04
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	55.[illegible]	58.3	56.7	59.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0	62.3
≥ 20000	1.0	59.3	62.7	63.0	64.0	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	66.7
≥ 18000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 16000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 14000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 12000	1.0	59.7	63.7	64.0	65.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3	67.7
≥ 10000	1.0	61.3	65.3	65.7	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	69.7
≥ 9000	1.0	61.7	65.7	66.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	70.0
≥ 8000	1.0	65.3	70.7	71.3	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	75.3
≥ 7000	1.0	65.7	71.3	72.0	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	76.0
≥ 6000	1.0	66.0	71.7	72.3	73.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	76.3
≥ 5000	1.0	67.0	72.7	73.3	74.7	75.0	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	77.3
≥ 4500	1.0	67.3	73.0	73.7	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.7
≥ 4000	1.0	69.7	75.3	76.7	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	81.0
≥ 3500	1.0	70.3	76.0	77.3	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	81.7
≥ 3000	1.0	72.0	77.7	79.0	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	83.7
≥ 2500	1.0	73.3	79.3	80.7	82.3	82.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	85.3
≥ 2000	1.0	74.3	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1800	1.0	74.3	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1500	1.0	74.3	80.7	82.3	84.3	84.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	87.3
≥ 1200	1.0	74.3	81.0	82.7	85.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	88.3
≥ 1000	1.0	75.7	83.3	85.0	87.3	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	90.7
≥ 900	1.0	75.7	83.3	85.0	87.3	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	91.0
≥ 800	1.0	75.7	83.7	85.3	88.0	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	91.7
≥ 700	1.0	75.7	84.0	86.0	88.7	89.3	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	92.7
≥ 600	1.0	75.7	84.3	86.3	89.0	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	93.7
≥ 500	1.0	75.7	84.7	87.0	90.3	91.3	93.0	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	95.3
≥ 400	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.0	95.0	95.0	95.0	95.3	96.0	96.3	96.3	97.7
≥ 300	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.0	95.0	95.0	95.0	95.3	96.0	96.3	96.3	97.7
≥ 200	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.0	97.0	97.3	98.7
≥ 100	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.3	97.3	97.7	99.3
≥ 0	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.3	97.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-12 (YEARS) JUL (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	47.7	55.5	59.7	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		43.9	53.2	62.6	68.1	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000		43.9	53.6	63.2	69.0	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000		45.2	55.9	66.8	73.4	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		45.5	56.1	67.1	73.9	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000		49.7	62.3	74.5	82.3	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000		50.3	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000		50.3	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000		50.7	63.9	77.7	85.5	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500		51.3	64.8	78.7	87.1	87.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000		51.9	67.1	81.9	91.6	92.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500		52.9	68.1	82.9	92.6	93.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		53.2	68.7	83.6	93.2	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		53.2	68.7	83.9	93.6	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500		53.4	69.4	84.8	95.2	95.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		53.4	69.4	84.8	95.2	95.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		54.5	70.3	86.3	96.1	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		54.5	70.3	86.3	96.1	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-82	NOV	07
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.3	47.7	51.0	52.3	53.7	54.0	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.3
≥ 20000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 18000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 16000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 14000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 12000	3.3	52.3	57.0	58.3	59.7	60.3	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.7
≥ 10000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
≥ 9000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
≥ 8000	3.3	59.0	64.3	67.0	68.3	69.3	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.3
≥ 7000	3.3	60.0	65.3	68.3	69.7	70.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.3	73.7
≥ 6000	3.3	60.7	66.0	69.0	70.3	71.3	72.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.3
≥ 5000	3.3	61.0	66.7	69.7	71.0	72.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	75.0
≥ 4500	3.3	62.7	68.3	71.7	73.0	74.0	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.7	77.0
≥ 4000	3.3	64.0	70.3	74.7	76.0	77.0	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.7	80.0
≥ 3500	3.3	64.7	71.0	75.3	76.7	77.7	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.7
≥ 3000	3.3	65.0	71.3	75.7	77.0	78.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	81.0	81.3
≥ 2500	3.3	66.0	72.7	77.3	79.3	80.3	81.7	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.3	83.7
≥ 2000	3.3	66.3	73.7	78.3	81.3	82.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.7	86.0
≥ 1800	3.3	66.7	74.0	78.7	81.7	83.0	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.3
≥ 1500	3.3	67.0	74.3	79.7	83.0	84.3	85.7	86.3	86.7	86.7	86.7	86.7	87.0	87.0	87.7	88.0
≥ 1200	3.3	67.3	74.7	80.0	83.3	84.7	86.0	86.7	87.0	87.0	87.0	87.0	87.3	87.3	88.0	88.3
≥ 1000	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.3
≥ 900	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.3
≥ 800	3.3	68.0	75.7	81.3	85.0	87.0	88.3	89.0	89.3	89.3	89.3	89.3	89.7	89.7	90.3	90.7
≥ 700	3.3	68.0	76.0	81.7	85.7	88.0	89.3	90.3	90.7	90.7	90.7	90.7	91.0	91.0	91.7	92.0
≥ 600	3.3	68.0	76.0	82.0	86.3	89.0	90.3	91.3	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.0
≥ 500	3.3	68.0	76.0	82.0	87.0	89.7	91.3	92.7	93.0	93.0	93.0	93.0	93.3	93.3	94.0	94.3
≥ 400	3.3	68.3	76.3	82.3	87.3	90.0	91.7	93.3	93.7	93.7	94.0	94.0	94.3	94.3	95.0	95.3
≥ 300	3.3	68.7	76.3	82.3	87.3	90.3	92.3	94.3	94.7	95.3	95.7	95.7	96.0	96.3	97.0	97.3
≥ 200	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.0
≥ 100	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.7
≥ 0	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-82 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	37.4	45.2	52.4	56.5	57.6	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 18000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 16000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 14000	.4	41.0	51.0	60.2	65.5	66.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 12000	.4	42.4	51.9	61.3	66.7	68.0	69.1	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
≥ 10000	.4	44.8	55.0	65.3	71.6	72.9	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 9000	.4	44.8	55.1	65.4	71.8	73.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 8000	.4	47.5	59.2	70.8	78.1	79.6	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5
≥ 7000	.4	47.8	59.9	71.8	79.2	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
≥ 6000	.4	48.0	59.9	71.9	79.3	80.8	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 5000	.4	48.6	60.5	72.8	80.6	82.1	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
≥ 4500	.4	49.0	61.1	73.5	81.3	82.8	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
≥ 4000	.4	49.5	62.0	74.8	82.9	84.4	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
≥ 3500	.4	49.6	62.2	75.3	83.5	85.0	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2
≥ 3000	.4	51.2	64.8	78.8	87.9	89.6	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
≥ 2500	.4	51.9	65.5	79.7	89.0	90.8	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 2000	.4	52.3	66.1	80.5	89.9	91.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
≥ 1800	.4	52.4	66.2	80.7	90.1	91.9	93.8	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 1500	.4	52.9	67.1	82.0	91.8	93.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5
≥ 1200	.4	53.0	67.3	82.4	92.2	94.2	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 1000	.4	53.2	67.6	83.0	93.1	95.2	97.3	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 900	.4	53.2	67.8	83.2	93.4	95.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 800	.4	53.4	67.9	83.4	93.7	95.9	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 700	.4	53.5	68.1	83.7	94.0	96.3	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 600	.4	53.5	68.1	83.7	94.1	96.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 500	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
≥ 400	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
≥ 300	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2478

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17701	PATUXENT RIVER, MARYLAND	73-92	NOV	10
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	52.1	55.9	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	4.0	55.9	59.9	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2
≥ 18000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 16000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 14000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 12000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 10000	4.0	58.9	62.9	64.9	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2
≥ 9000	4.0	59.2	63.2	65.2	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
≥ 8000	4.0	64.9	68.9	70.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.6
≥ 7000	4.0	66.2	70.6	73.2	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
≥ 6000	4.0	66.6	70.9	73.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.6
≥ 5000	4.0	66.2	72.9	75.9	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6
≥ 4500	4.0	69.9	74.6	78.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
≥ 4000	4.0	70.9	75.6	79.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.3
≥ 3500	4.0	71.9	76.6	80.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
≥ 3000	4.0	72.9	77.9	82.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3
≥ 2500	4.0	73.9	79.9	83.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3
≥ 2000	4.0	75.3	80.3	85.0	86.0	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
≥ 1800	4.0	75.6	81.6	85.3	86.3	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.0
≥ 1500	4.0	76.3	81.3	86.3	88.0	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6
≥ 1200	4.0	76.3	81.3	86.3	88.3	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
≥ 1000	4.0	76.3	81.3	86.6	88.6	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3
≥ 900	4.0	76.3	81.3	87.0	89.3	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0
≥ 800	4.0	76.3	81.3	87.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
≥ 700	4.0	76.3	81.3	87.0	89.6	90.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
≥ 600	4.0	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
≥ 500	4.0	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.3
≥ 400	4.0	76.6	81.6	87.6	90.3	92.0	93.7	95.0	95.0	95.7	95.7	95.7	96.0	96.0	96.0	96.3
≥ 300	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	96.7	96.7	97.3	97.7	98.3	98.7
≥ 200	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	99.7
≥ 100	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	100.0
0	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 77-80 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		36.7	50.0	57.1	61.9	61.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		43.6	58.4	68.7	75.8	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000		46.9	63.6	75.5	82.9	83.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	64.2	76.1	83.6	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5
≥ 4000		48.4	65.2	77.7	85.2	85.8	87.4	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1
≥ 3500		48.4	65.5	78.1	85.8	86.5	88.1	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7
≥ 3000		50.3	69.0	82.6	90.7	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6
≥ 2500		50.7	69.4	83.2	91.3	91.9	93.6	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2
≥ 2000		50.7	69.4	83.2	91.3	91.9	93.9	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5
≥ 1800		51.3	69.7	83.6	91.6	92.3	94.2	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8
≥ 1500		51.3	70.0	84.2	92.3	92.9	95.2	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8
≥ 1200		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 1000		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 900		52.6	71.7	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1
≥ 800		52.6	71.3	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1
≥ 700		52.6	71.9	86.8	94.8	95.8	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 600		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 500		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 400		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] 1 | PATUXENT RIVER, MARYLAND | 73-82 | NOV

STATION | STATION NAME | YEARS | MONTH

13

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	48.[illegible]	51.[illegible]	51.3	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	4.[illegible]	56.[illegible]	59.7	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	4.[illegible]	56.[illegible]	59.3	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	4.[illegible]	56.[illegible]	59.3	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	4.0	56.7	60.0	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	4.0	57.0	60.3	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	4.[illegible]	60.7	64.0	65.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	4.[illegible]	61.0	64.3	65.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	4.[illegible]	65.7	69.0	70.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	4.[illegible]	66.3	70.0	71.7	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	4.0	67.0	70.7	72.3	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7
≥ 5000	4.[illegible]	66.0	71.7	73.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0
≥ 4500	4.[illegible]	69.3	73.0	75.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7
≥ 4000	4.[illegible]	73.0	77.0	79.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3
≥ 3500	4.3	73.7	78.3	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3
≥ 3000	4.3	77.0	82.0	84.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	88.3
≥ 2500	4.3	77.7	83.0	85.7	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3
≥ 2000	4.3	78.0	83.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7
≥ 1800	4.3	78.0	83.7	86.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 1500	4.3	78.7	84.7	87.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 1200	4.3	78.7	84.7	88.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0
≥ 1000	4.3	78.7	84.7	88.3	91.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.0
≥ 900	4.3	78.7	85.0	89.0	92.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 800	4.3	78.7	85.3	89.3	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700	4.3	78.7	85.3	89.3	92.7	93.3	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600	4.3	78.7	85.3	89.7	93.0	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7
≥ 500	4.3	78.7	85.7	90.0	94.3	95.0	96.3	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.7	97.7
≥ 400	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.3	98.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7
≥ 300	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.3	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 0	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND | 73-82 | AUG

STATION | STATION NAME | YEARS | MONTH

04

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.5	46.[illegible]	58.1	66.1	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 20000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000		37.4	53.2	64.2	73.2	73.6	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000		39.7	55.8	67.1	76.8	77.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000		39.7	55.8	67.1	76.8	77.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		42.6	59.7	72.3	81.9	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500		42.9	60.0	72.6	82.3	82.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		44.5	62.3	75.5	85.2	85.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500		45.2	63.2	76.5	86.5	86.8	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		46.8	65.8	79.0	89.4	89.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		47.4	66.5	79.7	90.0	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		47.7	66.8	80.0	90.3	90.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		48.4	67.4	81.0	91.3	91.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500		48.4	67.7	81.6	92.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		48.4	67.7	81.6	92.9	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		48.7	68.1	82.6	93.9	94.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		48.7	68.1	82.6	94.2	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		48.7	68.1	82.9	94.5	95.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		48.7	68.4	83.6	95.2	95.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		48.7	68.7	83.9	95.5	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		48.7	69.0	84.2	95.8	96.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	47.3	48.7	49.3	49.3	49.7	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	4.0	57.3	59.3	60.0	60.0	60.3	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	4.0	62.0	64.3	65.0	66.0	66.3	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	4.0	62.7	65.0	65.7	66.7	67.0	67.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	4.0	69.3	73.0	73.7	75.0	75.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	4.0	70.3	74.0	74.7	76.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	4.0	70.7	74.3	75.0	76.7	77.0	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	4.0	72.0	76.0	76.7	78.3	78.7	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	4.0	73.3	77.7	78.7	80.3	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	4.0	76.3	81.7	83.0	84.7	85.3	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	4.0	77.3	82.7	84.3	86.0	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	4.0	78.3	84.0	86.3	88.3	89.0	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	4.0	78.3	84.0	86.7	89.0	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	4.0	78.3	84.3	87.0	89.3	90.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	4.0	79.0	85.0	87.7	90.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	4.0	79.7	85.7	88.3	91.0	92.0	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	4.0	79.7	86.0	88.7	91.3	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	4.0	80.0	86.3	89.0	91.7	93.0	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	4.0	80.0	86.3	89.3	92.0	93.3	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	4.0	80.0	86.3	89.7	92.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	4.0	80.0	86.3	90.0	92.7	94.0	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	4.0	80.0	86.3	90.0	92.7	94.0	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	4.0	80.3	86.7	90.3	93.3	94.7	96.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	4.0	80.3	87.0	90.7	93.7	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	99.7
≥ 100	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	100.0
≥ 0	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

72721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

07
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.2	34.5	41.6	51.9	53.9	57.1	57.1	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000		30.3	40.7	48.4	60.0	62.3	65.8	66.1	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000		33.9	44.8	53.2	65.5	69.0	73.9	74.2	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		38.1	51.3	61.6	74.5	78.1	83.6	84.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		38.7	51.9	62.3	75.2	78.7	84.2	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		39.3	52.6	62.9	76.5	80.0	85.5	86.1	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500		39.3	52.6	62.9	76.8	80.3	85.8	86.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		39.7	53.2	63.9	78.1	81.6	87.1	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		39.7	53.2	63.9	78.4	81.9	87.4	88.4	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		40.3	53.9	65.5	80.3	84.2	89.7	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500		40.7	54.2	65.8	80.7	84.5	90.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		41.9	55.5	67.7	82.9	86.8	92.3	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		42.3	56.1	68.4	83.9	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		42.9	57.1	69.4	85.8	90.3	95.8	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		42.9	57.1	69.4	85.8	90.3	95.8	96.8	96.8	97.1	97.4	97.4	97.4	97.7	97.7	97.7
≥ 800		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.7	98.7	98.7
≥ 700		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.7	98.7	98.7
≥ 600		43.2	57.7	70.3	87.4	92.3	97.7	98.7	98.7	99.0	99.4	99.4	99.4	99.7	99.7	99.7
≥ 500		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		43.2	57.7	70.3	87.7	92.6	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	51.7	53.3	54.7	55.7	55.7	56.3	56.3	56.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	.3	58.7	60.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	.3	58.7	60.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	.3	58.7	61.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	.3	59.3	60.7	62.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.3	59.3	61.0	62.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	.3	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	.3	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	69.3	71.7	74.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	.3	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	.3	70.3	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	.3	70.7	73.3	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	.3	72.7	75.3	78.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	.3	75.7	78.7	82.0	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	.3	75.7	79.0	82.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	.3	78.0	81.7	85.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	.3	78.3	81.7	85.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	.3	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	.3	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	.3	78.3	82.7	88.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	.3	78.3	83.7	89.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	.3	79.7	84.3	90.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	.3	79.7	84.3	90.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	.3	79.3	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	.3	79.0	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	.3	79.0	84.3	90.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	.3	79.0	84.3	90.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	.3	79.0	84.3	90.7	95.0	95.3	96.7	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7
≥ 300	.3	79.0	84.3	90.7	95.3	95.7	97.0	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0
≥ 200	.3	79.0	84.3	90.7	95.3	95.7	97.3	98.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	99.7
≥ 100	.3	79.0	84.3	90.7	95.3	95.7	97.3	98.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	100.0
≥ 0	.3	79.0	84.3	90.7	95.3	95.7	97.3	99.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73- [illegible] NOV

STATION STATION NAME YEARS MONTH

22

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	54.3	56.7	57.0	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	.3	62.0	64.0	65.3	66.3	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.3	62.0	64.0	65.3	66.3	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	.3	67.3	69.3	71.0	72.3	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.3
≥ 7000	.3	70.0	72.3	74.0	75.3	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 6000	.3	70.3	72.7	74.3	75.7	76.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7
≥ 5000	.3	71.3	73.7	75.3	76.7	77.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.7
≥ 4500	.3	73.0	75.3	77.0	78.3	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3
≥ 4000	.3	74.7	77.3	79.3	80.7	81.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 3500	.3	76.0	79.3	81.3	82.7	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7
≥ 3000	.3	78.0	81.7	83.7	85.0	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 2500	.3	78.3	82.0	84.0	85.7	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7
≥ 2000	.3	79.0	82.7	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1800	.3	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1500	.3	79.0	83.3	85.3	87.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3
≥ 1200	.3	79.3	83.3	85.7	87.7	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 1000	.3	79.3	83.7	86.7	89.0	90.0	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 900	.3	79.3	84.3	87.3	89.7	90.7	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3
≥ 800	.3	79.7	84.7	87.7	90.0	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7
≥ 700	.3	79.7	85.0	88.0	90.7	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3
≥ 600	.3	79.7	85.3	88.0	90.7	92.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
≥ 500	.3	79.7	85.3	88.3	91.0	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
≥ 400	.3	79.7	85.3	88.7	91.3	93.7	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0
≥ 300	.3	79.7	85.3	88.7	91.3	93.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3
≥ 200	.3	79.7	85.3	88.7	91.7	94.0	95.0	96.7	96.7	97.3	97.7	97.7	98.0	98.0	98.3	99.0
≥ 100	.3	79.7	85.3	88.7	91.7	94.3	95.3	97.3	97.7	98.0	98.7	98.7	99.0	99.0	99.3	100.0
0	.3	79.7	85.3	88.7	91.7	94.3	95.3	97.3	97.7	98.0	98.7	98.7	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	43.6	51.9	58.1	58.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		41.9	51.6	61.9	69.4	70.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000		42.3	52.6	62.9	70.3	71.0	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		46.1	58.1	70.0	78.4	79.4	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		46.5	58.4	70.7	79.0	80.0	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		46.9	58.7	71.0	79.4	80.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		47.1	59.4	71.6	80.0	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		47.4	59.7	71.9	80.3	81.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		48.1	60.3	73.2	81.9	83.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		49.0	61.6	74.5	83.2	84.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		51.9	65.2	79.4	88.7	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		53.2	66.5	81.0	90.7	92.3	94.5	94.8	94.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		54.2	67.4	82.6	92.6	94.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200		54.2	68.4	83.6	93.6	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		55.3	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | NOV

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.1	51.4	54.3	55.2	56.1	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 20000	2.3	57.4	60.1	61.2	62.0	62.3	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.4
≥ 18000	2.3	57.4	60.2	61.3	62.2	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.6
≥ 16000	2.3	57.4	60.2	61.3	62.2	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.6
≥ 14000	2.3	57.5	60.3	61.4	62.3	62.5	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.7
≥ 12000	2.3	57.8	60.6	61.7	62.6	62.8	63.2	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.6	64.0
≥ 10000	2.3	58.1	64.0	65.4	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.2
≥ 9000	2.3	61.1	64.2	65.6	66.9	67.2	67.6	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.4
≥ 8000	2.3	66.1	69.7	71.5	73.0	73.3	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.7
≥ 7000	2.3	67.3	71.1	73.0	74.6	74.9	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.9	76.4
≥ 6000	2.3	67.7	71.5	73.5	75.2	75.3	75.9	76.2	76.1	76.1	76.1	76.1	76.2	76.2	76.3	76.7
≥ 5000	2.3	68.7	72.6	74.5	76.1	76.4	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.9
≥ 4500	2.3	70.1	73.9	76.1	77.8	78.1	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.5
≥ 4000	2.3	72.1	75.4	79.0	80.8	81.1	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.6
≥ 3500	2.3	73.1	77.5	80.1	82.0	82.3	82.8	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.3	83.7
≥ 3000	2.3	74.6	79.3	82.1	84.1	84.4	85.0	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.6	86.0
≥ 2500	2.3	75.3	80.3	83.2	85.5	85.6	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.9	87.3
≥ 2000	2.3	75.7	81.9	84.2	86.5	87.0	87.6	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.2	88.6
≥ 1800	2.3	76.1	81.2	84.5	86.8	87.3	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	89.0
≥ 1500	2.3	76.2	81.7	85.2	87.8	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.6	90.0
≥ 1200	2.3	76.7	82.1	85.7	88.4	89.3	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.3	90.7
≥ 1000	2.3	76.9	82.7	86.5	89.4	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.5	91.9
≥ 900	2.3	76.9	83.0	86.9	89.9	90.6	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.5
≥ 800	2.3	77.0	83.1	87.2	90.3	91.1	92.0	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.6	93.1
≥ 700	2.3	77.1	83.3	87.6	90.8	91.7	92.7	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.4	93.8
≥ 600	2.3	77.1	83.4	87.7	91.0	92.2	93.2	93.7	93.9	93.8	93.8	93.8	93.9	93.9	94.1	94.5
≥ 500	2.3	77.1	83.6	88.0	91.6	92.9	94.1	94.8	94.8	95.0	95.0	95.1	95.2	95.2	95.4	95.8
≥ 400	2.3	77.2	83.9	88.5	92.2	93.8	95.1	96.1	96.2	96.5	96.6	96.7	96.8	96.8	97.0	97.4
≥ 300	2.3	77.2	83.9	88.5	92.2	93.9	95.4	96.5	96.5	97.0	97.2	97.3	97.4	97.5	97.8	98.3
≥ 200	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.8	96.9	97.5	97.8	97.9	98.1	98.2	98.7	99.4
≥ 100	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	99.9
0	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2389

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

16
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.2	47.2	53.9	61.7	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000		43.7	51.6	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000		51.3	57.6	63.6	71.9	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000		51.3	57.7	64.2	72.6	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000		52.9	58.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		52.9	58.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		53.9	57.4	69.0	78.4	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000		54.2	57.7	69.7	79.0	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		54.5	58.1	70.0	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000		54.5	58.1	70.0	79.7	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		55.2	58.7	70.7	80.3	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		56.5	60.7	72.6	82.6	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		56.9	61.0	72.9	82.9	83.6	84.5	84.8	84.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		59.4	65.5	79.7	91.0	91.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500		60.3	66.8	81.3	92.9	93.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000		61.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		61.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500		61.3	67.7	82.9	95.2	95.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		61.3	67.7	83.2	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		61.6	68.1	83.9	96.1	96.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		61.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		61.6	68.4	84.2	96.5	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		61.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		61.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		61.6	68.7	84.8	97.1	97.7	99.0	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		61.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] PATUXENT RIVER, MARYLAND STATION NAME [illegible] YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	13.2	53.6	54.2	54.5	4.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.5
≥ 20000	.3	57.4	59.4	59.8	59.4	59.4	60.0	60.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3
≥ 18000	.3	57.4	59.4	59.8	59.4	59.4	60.0	60.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3
≥ 16000	.3	57.4	59.4	59.8	59.4	59.4	60.0	60.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3
≥ 14000	.3	57.4	59.4	59.8	59.4	59.4	60.0	60.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3
≥ 12000	.3	57.4	59.4	59.8	59.4	59.4	60.0	60.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3
≥ 10000	.3	60.7	62.3	63.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8
≥ 9000	.3	60.7	62.3	63.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8
≥ 8000	.3	64.8	66.5	67.7	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.4	69.4
≥ 7000	.3	65.5	67.1	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0
≥ 6000	.3	66.1	67.7	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7
≥ 5000	.3	67.4	69.0	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9
≥ 4500	.3	70.7	72.3	73.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5
≥ 4000	.3	74.5	76.5	78.1	79.0	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0
≥ 3500	.3	74.8	77.1	78.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7
≥ 3000	.3	76.5	79.0	81.0	81.9	81.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥ 2500	.3	78.1	81.7	83.6	84.6	84.6	85.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8	84.8
≥ 2000	.3	79.4	81.6	83.9	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.1
≥ 1800	.3	79.4	81.9	84.2	85.2	85.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5
≥ 1500	.3	80.0	82.9	85.5	86.5	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1200	.3	82.3	83.6	86.1	87.4	87.4	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7
≥ 1000	.3	1.3	84.2	87.1	88.4	88.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 900	.3	1.3	84.2	87.7	89.0	89.4	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0
≥ 800	.3	1.3	84.2	87.1	89.4	90.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6
≥ 700	.3	1.3	84.5	87.4	89.7	91.0	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6	92.6
≥ 600	.3	1.6	84.5	89.4	91.3	92.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
≥ 500	.3	1.6	87.5	89.4	91.9	93.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5
≥ 400	.3	1.6	87.5	89.4	92.3	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.8	95.8	96.1	96.1
≥ 300	.3	1.6	87.5	89.4	92.3	93.6	95.2	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.5	96.8
≥ 200	.3	1.6	87.5	89.4	92.3	93.9	96.1	96.8	96.8	96.8	96.8	97.4	97.4	97.7	98.4	99.0
≥ 100	.3	1.6	87.5	89.4	92.3	93.9	96.1	96.8	96.8	96.8	96.8	97.4	97.7	98.1	98.7	99.7
≥ 0	.3	1.6	87.5	89.4	92.3	93.9	96.1	96.8	96.8	96.8	96.8	97.4	97.7	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

19
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		29.7	36.8	45.5	52.9	53.6	54.5	54.8	54.9	54.8	54.8	54.8	54.9	54.8	54.8	54.9
≥ 20000		37.1	46.8	57.1	65.5	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000		37.1	46.8	57.1	65.5	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000		37.1	47.1	57.4	65.8	66.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000		37.1	47.4	57.7	66.1	67.1	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		38.1	48.4	58.7	67.1	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		40.7	52.3	63.9	72.9	73.9	75.5	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		40.7	52.6	64.2	73.2	74.2	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000		44.2	57.7	70.7	80.3	81.3	82.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 7000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		46.1	60.7	73.6	83.2	84.2	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000		46.8	61.3	75.2	85.2	86.1	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		47.1	61.6	75.5	85.5	86.5	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		49.7	65.2	79.4	89.7	90.7	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500		50.3	65.8	80.3	90.7	91.6	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000		50.7	66.5	81.6	92.9	93.9	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800		51.0	66.8	81.9	93.2	94.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		51.3	67.1	82.6	93.9	94.8	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		51.3	67.1	82.9	94.2	95.2	97.4	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		51.3	67.4	83.2	94.5	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		51.3	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH | HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	5.	4.	49.0	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
≥ 20000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.
≥ 12000	1.	50.	52.4	54.1	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	1.	56.	58.	60.	60.	60.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.
≥ 9000	1.	57.	59.	60.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.	1.
≥ 8000	1.	63.	67.	67.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.
≥ 7000	1.	64.	66.	67.	68.	68.	68.	69.	69.	69.	69.	69.	69.	69.	69.	69.
≥ 6000	1.	64.	67.	68.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.
≥ 5000	1.	65.	69.	70.	71.	71.	71.	72.	72.	72.	72.	72.	72.	72.	72.	72.
≥ 4500	1.	69.	72.	74.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.
≥ 4000	1.	71.	73.	76.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.
≥ 3500	1.	71.	74.	77.	77.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.
≥ 3000	1.	71.	75.	77.	78.	79.	79.	79.	79.	79.	79.	79.	79.	79.	79.	79.
≥ 2500	1.	73.	77.	79.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
≥ 2000	1.	73.	77.	81.	82.	83.	83.	83.	83.	84.	84.	84.	84.	84.	84.	84.
≥ 1800	1.	73.	77.	81.	82.	83.	83.	83.	83.	84.	84.	84.	84.	84.	84.	84.
≥ 1500	1.	74.	78.	82.	84.	85.	85.	85.	85.	86.	86.	86.	86.	86.	86.	86.
≥ 1200	1.	74.	78.	82.	84.	85.	86.	86.	86.	86.	86.	86.	86.	86.	86.	86.
≥ 1000	1.	76.	79.	83.	85.	86.	86.	87.	87.	87.	87.	87.	87.	87.	87.	87.
≥ 900	1.	79.	79.	84.	86.	87.	87.	88.	88.	89.	89.	89.	89.	89.	89.	89.
≥ 800	1.	79.	80.	85.	87.	89.	89.	90.	90.	90.	90.	90.	90.	90.	90.	90.
≥ 700	1.	79.	81.	87.	89.	90.	90.	91.	91.	91.	91.	91.	91.	91.	91.	91.
≥ 600	1.	79.	82.	87.	89.	91.	91.	92.	92.	92.	92.	92.	92.	92.	92.	92.
≥ 500	1.	79.	82.	88.	90.	91.	93.	93.	93.	94.	94.	94.	94.	94.	94.	94.
≥ 400	1.	79.	82.	88.	90.	92.	93.	94.	95.	95.	95.	95.	95.	95.	95.	95.
≥ 300	1.	80.	83.	88.	91.	92.	94.	95.	95.	96.	96.	96.	96.	96.	96.	96.
≥ 200	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.
≥ 100	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.
0	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	44.2	52.3	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000		36.7	48.7	58.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000		39.7	52.0	61.0	68.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000		40.3	53.7	64.7	69.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		42.9	54.8	66.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000		43.2	55.2	66.8	75.8	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000		47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000		47.1	61.6	73.9	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	61.9	74.2	83.6	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		47.7	62.3	74.5	83.9	85.2	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500		48.4	62.9	75.5	84.8	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		51.3	65.8	78.0	89.4	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		52.3	69.1	81.3	91.7	92.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		52.6	68.4	82.3	92.3	93.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800		52.9	69.7	82.9	92.9	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		53.2	70.7	84.8	95.2	96.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		53.2	71.6	85.8	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		53.2	71.6	85.9	96.1	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
1	PAT[illegible] MD	73-[illegible]2	[illegible]

HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1⅝	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	44.5	47.5	46.1	46.5	46.[illegible]	46.5	46.5	46.5	46.1	46.5	46.5	46.[illegible]	46.5	46.5	46.5
≥ 20000	[illegible].3	52.3	54.2	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 18000	[illegible].3	52.3	54.2	54.8	55.8	[illegible]5.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 16000	[illegible].3	52.3	54.2	54.8	55.8	[illegible]5.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 14000	2.[illegible]	52.3	54.2	54.8	55.8	5[illegible]	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 12000	[illegible].5	3.[illegible]	[illegible].[illegible]	56.1	57.1	7.1	57.1	[illegible].1	57.1	57.1	57.1	57.1	[illegible].4	57.4	57.4	57.4
≥ 10000	[illegible]	[illegible].1	[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	61.9	[illegible].9	[illegible].[illegible]	61.9	61.9	61.9	[illegible].3	62.3	62.3	[illegible].3
≥ 9000	[illegible]	[illegible]	[illegible].7	1.3	[illegible].[illegible]	[illegible].3	62.3	[illegible].3	[illegible].7	62.3	62.3	62.3	[illegible].6	62.6	62.6	62.6
≥ 8000	[illegible]	[illegible].7	[illegible].[illegible]	66.3	67.7	67.7	68.1	[illegible].1	[illegible].1	68.1	68.1	68.1	[illegible].4	68.4	68.4	68.4
≥ 7000	[illegible]	[illegible].3	[illegible].1	67.1	[illegible].1	[illegible].1	68.4	[illegible].4	68.4	68.4	68.4	68.4	[illegible].7	68.7	68.7	68.7
≥ 6000	[illegible]	4.2	67.4	[illegible].7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3
≥ 5000	[illegible]	[illegible].3	[illegible].7	7[illegible]	71.0	[illegible]	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6	71.6	71.6
≥ 4500	[illegible].4	[illegible].4	71.9	73.6	74.3	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5
≥ 4000	[illegible].4	[illegible].4	73.[illegible]	75.5	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7
≥ 3500	2.[illegible]	[illegible].7	73.9	75.5	77.4	77.4	77.7	[illegible].1	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4
≥ 3000	[illegible]	71.3	73.1	75.4	[illegible].7	[illegible].7	81.3	[illegible].3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6
≥ 2500	[illegible]	72.3	77.4	[illegible].3	[illegible].6	2.6	82.9	[illegible].2	83.2	83.2	83.2	[illegible].2	[illegible].6	[illegible].6	[illegible].6	[illegible].6
≥ 2000	2.[illegible]	72.3	77.4	[illegible].2	[illegible].8	6.1	[illegible].5	[illegible].5	[illegible].8	86.8	86.8	86.8	[illegible].1	87.1	[illegible].1	[illegible].1
≥ 1800	[illegible]	72.3	77.7	[illegible].2	[illegible].8	6.1	[illegible].5	6.8	[illegible].8	[illegible].8	[illegible].8	86.8	[illegible].1	[illegible].1	[illegible].1	[illegible].1
≥ 1500	[illegible]	73.[illegible]	[illegible].7	3.9	[illegible].[illegible]	6.8	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].4	87.4	[illegible].7	[illegible].7	[illegible].7	[illegible].7
≥ 1200	[illegible]	73.2	[illegible].[illegible]	[illegible].2	[illegible].1	7.4	[illegible].7	[illegible].1	[illegible].1	[illegible].1	[illegible].1	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].4
≥ 1000	[illegible]	[illegible].2	[illegible].[illegible]	[illegible].5	[illegible].7	[illegible].4	[illegible].[illegible]	[illegible].3	[illegible].3	[illegible].3	[illegible].3	[illegible].3	[illegible].7	[illegible].7	[illegible].7	[illegible].7
≥ 900	[illegible]	[illegible].[illegible]	[illegible].6	[illegible].1	[illegible].4	[illegible].[illegible]	[illegible].7	[illegible].3	[illegible].7	[illegible].[illegible]	[illegible].5	[illegible].6	[illegible].9	[illegible].9	[illegible].9	[illegible].9
≥ 800	[illegible]	[illegible]	[illegible].9	[illegible]	[illegible]	[illegible].7	[illegible].3	[illegible].9	[illegible].9	[illegible].[illegible]	[illegible].3	[illegible].3	[illegible].6	[illegible].6	[illegible].6	[illegible].6
≥ 700	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].1	[illegible].9	[illegible].3	[illegible].6	[illegible].[illegible]	[illegible].9	[illegible].9	[illegible].2	[illegible].6	[illegible].6	[illegible].6
≥ 600	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible].3	[illegible].9	[illegible].9	[illegible].9	[illegible].2	[illegible].2	[illegible].6	[illegible].9	[illegible].9	[illegible].9
≥ 500	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible].3	[illegible].2	[illegible].3	[illegible].2	[illegible].9	[illegible].9	[illegible].2	[illegible].5	[illegible].5	[illegible].5
≥ 400	[illegible]	[illegible]	[illegible].7	[illegible].7	[illegible]	[illegible]	[illegible].9	[illegible].2	[illegible].2	[illegible].2	[illegible].8	[illegible].8	[illegible].2	[illegible].5	[illegible].5	[illegible].5
≥ 300	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].4	[illegible].5	[illegible].5	[illegible].8	[illegible].5	[illegible].5	[illegible].1	[illegible].7	[illegible].7	[illegible].1
≥ 200	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].2	[illegible]	[illegible]	[illegible].1	[illegible].4	[illegible].4	[illegible]	[illegible].0	[illegible].0	[illegible].4
≥ 100	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].2	[illegible].8	[illegible].3	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].0	[illegible].0	[illegible].0
0	[illegible].2	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].2	[illegible].2	[illegible].3	[illegible].3	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].0	[illegible].0	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73- A[illegible]
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.3	43.3	51.6	58.8	59.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		38.0	49.4	59.4	67.6	68.6	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000		38.0	49.4	59.4	67.6	68.6	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000		38.1	49.4	59.4	67.7	68.8	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000		38.5	50.1	60.1	68.4	69.3	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000		38.8	50.7	60.7	69.0	69.9	71.3	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000		41.3	53.9	64.8	77.9	74.9	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 9000		41.4	54.1	65.0	74.0	75.1	76.8	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000		44.1	58.2	70.2	79.6	80.8	82.6	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000		44.4	58.6	70.7	80.0	81.3	83.1	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6
≥ 6000		44.5	58.7	70.8	80.2	81.4	83.3	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000		44.7	59.1	71.2	80.8	82.0	83.8	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500		45.1	59.6	71.7	81.3	82.5	84.4	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000		45.2	60.5	73.1	82.9	84.2	86.1	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 3500		46.3	61.0	73.6	83.6	84.9	86.9	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4
≥ 3000		48.6	64.2	77.7	88.2	89.6	91.5	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500		49.2	65.2	78.7	89.3	90.7	92.8	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000		49.6	65.4	79.4	90.1	91.5	93.8	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 1800		49.8	65.7	79.7	90.4	91.8	94.0	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500		50.3	66.4	80.6	91.8	93.3	95.6	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200		50.5	66.9	81.3	92.5	94.0	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000		50.9	67.3	82.0	93.3	94.9	97.3	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 900		51.0	67.5	82.3	93.8	95.4	97.7	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 800		51.2	67.7	82.5	94.0	95.7	99.1	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 700		51.2	67.8	82.7	94.3	96.1	98.5	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		51.2	67.8	82.9	94.6	96.3	98.8	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 500		51.2	68.1	83.2	94.9	96.6	99.0	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 400		51.3	68.2	83.2	94.9	96.7	99.1	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300		51.2	68.2	83.2	94.9	96.7	99.2	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200		51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100		51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0		51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	47.1	47.4	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.9	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	1.9	55.2	55.5	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.9	57.1	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	1.9	58.7	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	1.9	62.3	62.6	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	1.9	62.3	62.6	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	1.9	63.3	63.6	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	1.9	64.3	64.6	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	1.9	66.5	66.8	67.2	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	1.9	66.5	66.8	67.2	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	1.9	70.9	71.2	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	1.9	71.9	72.2	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	1.9	74.2	74.5	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	1.9	75.8	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	1.9	75.8	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	1.9	76.8	77.1	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1200	1.9	78.5	78.8	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1000	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 900	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 800	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 700	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 600	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 500	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 400	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 300	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 200	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 100	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	100.0
≥ 0	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	.3	44.7	58.3	66.3	68.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.3
≥ 20000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 12000	.3	47.7	59.3	68.3	69.3	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	.3	51.7	67.3	69.7	71.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	.3	51.7	67.3	69.0	71.7	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	.3	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	.3	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	.3	55.3	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	.3	55.7	68.0	75.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	.3	56.7	69.0	76.0	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.3	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500	.3	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000	.3	60.3	74.7	82.3	85.0	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	.3	60.7	75.0	82.7	85.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	.3	61.3	76.3	84.7	87.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	.3	61.3	76.3	85.3	87.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	.3	62.3	77.3	87.3	90.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	.3	65.3	79.3	89.3	91.0	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	.3	66.7	80.3	90.3	93.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	.3	66.7	80.3	90.3	93.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.3	66.7	80.3	90.3	94.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	.3	66.7	80.3	90.3	94.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	.3	66.7	80.3	90.7	94.7	96.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	.3	66.7	80.3	90.7	94.7	96.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	.3	66.7	81.3	91.0	95.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.3	66.7	81.3	91.3	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.3	66.7	81.3	91.0	95.7	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 | PAT[illegible]NT IW[illegible], MARYLAND | 73-[illegible] | DEC

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	48.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.[illegible]	53.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.[illegible]	55.[illegible]	56.[illegible]	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	2.3	[illegible].4	60.[illegible]	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	2.3	[illegible].[illegible]	61.[illegible]	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	2.3	65.[illegible]	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	2.3	66.[illegible]	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	2.3	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	2.3	69.7	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	2.3	71.[illegible]	74.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	2.3	73.2	76.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	2.3	73.8	77.1	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	2.3	75.2	7[illegible]	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	2.3	76.1	80.[illegible]	82.3	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	2.3	77.7	81.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	2.3	78.1	82.3	84.8	85.8	86.[illegible]	86.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	2.3	78.4	82.8	85.8	87.1	87.4	87.7	88.[illegible]	88.[illegible]	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	2.3	79.[illegible]	84.5	87.4	89.[illegible]	89.7	90.[illegible]	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.[illegible]	91.3
≥ 1000	2.3	79.[illegible]	84.5	87.4	89.4	90.0	90.3	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	2.3	79.3	84.[illegible]	88.1	[illegible].3	90.7	91.0	92.[illegible]	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	2.3	79.6	84.[illegible]	88.4	90.7	91.6	91.9	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	2.3	79.6	84.[illegible]	[illegible].7	91.3	92.3	92.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	2.3	79.[illegible]	84.[illegible]	89.0	91.6	92.9	93.2	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	2.3	79.[illegible]	84.8	89.2	91.6	93.3	94.2	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	2.3	[illegible].[illegible]	84.8	89.3	91.6	93.6	94.8	96.8	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4
≥ 300	2.3	79.[illegible]	[illegible].2	89.4	91.9	93.9	95.2	97.1	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4
≥ 200	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	99.7
≥ 100	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	99.7
0	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]719

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.7	51.7	56.3	59.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
≥ 20000		41.7	53.7	56.3	62.7	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 18000		41.7	53.7	56.3	62.7	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 16000		41.7	53.7	56.3	62.7	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 14000		41.7	53.7	56.3	62.7	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 12000		41.7	53.7	56.3	62.7	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 10000		45.7	58.3	64.3	67.3	69.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3	71.7
≥ 9000		46.3	58.3	64.7	66.7	69.7	71.0	71.3	71.7	71.3	71.3	71.3	71.3	71.3	71.7	71.7
≥ 8000		50.3	63.3	69.7	73.7	74.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.7	76.7
≥ 7000		51.3	63.3	70.3	74.3	75.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3
≥ 6000		53.3	63.3	70.3	74.3	75.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3
≥ 5000		54.3	64.7	71.3	75.3	76.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500		57.7	68.3	72.3	76.3	77.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3	79.3
≥ 4000		58.0	68.3	72.7	76.7	77.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7
≥ 3500		65.3	66.7	74.3	78.3	79.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		64.7	69.7	78.7	82.7	83.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7
≥ 2500		75.3	70.3	79.3	83.3	84.3	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7
≥ 2000		67.3	72.7	82.3	86.3	87.3	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7
≥ 1800		67.3	72.7	82.7	86.7	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7
≥ 1500		67.7	74.7	86.3	90.3	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 1200		67.7	74.7	86.3	90.7	91.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 1000		68.0	75.3	87.7	92.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		68.3	75.3	87.7	92.7	93.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.0
≥ 800		69.7	76.7	88.3	93.7	94.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
≥ 700		70.7	76.7	88.7	94.3	95.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	97.7
≥ 600		71.0	79.3	89.3	95.3	96.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3
≥ 500		74.3	80.3	90.3	95.3	96.7	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.7	99.7
≥ 400		74.3	80.3	90.3	95.7	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 300		74.3	80.3	90.3	95.7	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		74.3	80.3	90.3	95.7	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		76.3	89.3	95.7	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
0		76.3	89.3	95.7	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 77-82 DEC

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	56.5	57.1	57.8	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	.7	56.7	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 18000	.7	56.7	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000	.7	56.7	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	.7	56.3	57.6	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	.7	57.9	59.2	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	.7	62.5	64.1	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000	.7	62.5	64.1	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 8000	.7	68.0	69.9	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	.7	68.6	70.9	71.5	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	.7	68.9	71.2	71.8	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000	.7	70.2	72.8	73.8	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	.7	70.9	73.8	74.8	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	.7	73.1	76.7	77.7	78.0	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	.7	74.1	77.3	79.3	79.3	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	.7	76.1	79.9	81.6	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	.7	77.0	81.2	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	.7	77.7	82.2	83.8	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	.7	77.7	82.2	83.8	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	.7	78.6	83.5	85.8	86.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	.7	79.1	83.8	86.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	.7	79.6	84.5	87.1	89.0	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	.7	79.6	84.5	87.4	89.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	.7	79.6	84.5	87.7	89.6	91.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	.7	79.6	84.6	88.0	90.6	91.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	.7	79.6	84.9	88.4	91.3	92.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	.7	79.6	84.8	88.7	91.9	93.5	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	.7	79.6	84.8	88.7	92.6	94.2	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	.7	79.6	84.8	88.7	92.6	94.2	96.8	97.4	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	.7	79.6	84.8	88.7	92.6	94.2	96.8	97.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	.7	79.6	84.8	88.7	92.6	94.2	96.8	97.7	97.7	98.7	99.0	99.0	99.4	99.4	99.4	99.7
≥ 0	.7	79.6	84.8	88.7	92.6	94.2	96.8	97.7	97.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-[illegible] MONTH SEP

HOURS (L S T) 07

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	34.	41.7	48.7	52.3	53.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	.7	35.	44.0	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	.7	35.	44.0	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000	.7	35.0	44.0	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000	.7	35.0	44.0	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	.7	35.7	44.7	52.0	56.7	57.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	1.0	37.7	46.7	56.3	61.0	62.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	1.0	38.0	47.0	56.7	61.7	62.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	1.0	40.3	54.0	62.0	67.0	68.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	1.0	43.0	54.7	62.7	68.0	69.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	1.0	43.7	57.7	63.7	69.0	70.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	1.0	44.3	56.3	66.0	71.0	72.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	1.0	46.3	57.7	66.3	72.3	73.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	1.0	47.0	58.3	67.0	74.3	75.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	1.0	47.3	60.3	69.3	75.7	77.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	1.0	47.7	62.3	71.7	78.7	80.0	83.3	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	1.0	48.7	63.7	73.3	80.7	82.0	85.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	1.0	50.3	65.7	75.3	83.0	84.3	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	1.0	50.3	65.7	75.7	83.7	85.0	88.3	89.3	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	1.0	51.3	67.0	77.0	85.0	86.3	89.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	1.0	51.3	67.0	77.0	85.7	86.3	89.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	1.0	52.0	67.7	78.3	86.7	88.3	91.7	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	1.0	52.3	68.0	78.7	87.0	88.7	92.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 800	1.0	53.0	68.7	79.7	89.0	89.7	93.0	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	1.0	53.0	69.7	80.3	89.0	91.3	94.7	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	1.0	53.3	69.7	81.0	89.7	92.0	95.3	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.0	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	1.0	53.7	69.7	81.7	90.3	93.0	96.7	98.0	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-82 | DEC

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	52.4	52.9	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7
≥ 20000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 18000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 16000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 14000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 12000	.3	55.7	56.0	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6
≥ 10000	.3	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 9000	.3	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 8000	.3	65.1	66.3	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
≥ 7000	.3	66.1	67.3	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	68.9
≥ 6000	.3	66.3	67.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3	69.3
≥ 5000	.3	68.3	69.9	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8
≥ 4500	.3	71.2	72.8	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1
≥ 4000	.3	73.3	76.1	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 3500	.3	74.4	76.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.0	79.0
≥ 3000	.3	77.0	79.6	80.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 2500	.3	77.7	80.6	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5
≥ 2000	.3	79.3	83.5	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4
≥ 1800	.3	79.6	83.8	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 1500	.3	79.9	84.1	85.8	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 1200	.3	79.9	84.1	85.8	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1000	.3	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 900	.3	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 800	.3	80.9	85.1	88.0	89.3	90.0	90.6	90.9	90.9	90.9	90.9	90.9	91.3	91.3	91.6	91.6
≥ 700	.3	80.9	85.4	88.4	90.0	90.6	91.3	91.6	91.6	91.6	91.6	91.6	91.9	91.9	92.2	92.2
≥ 600	.3	81.6	86.4	89.6	91.6	92.2	93.2	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.5	94.5
≥ 500	.3	81.6	86.4	89.6	91.6	92.6	93.9	94.5	94.5	94.5	94.5	94.5	94.8	94.8	95.2	95.2
≥ 400	.3	81.6	86.7	90.0	92.2	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8	96.1	96.1
≥ 300	.3	81.9	86.7	90.0	92.2	93.2	95.2	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.8	96.8
≥ 200	.3	81.9	86.7	90.0	92.2	93.2	95.5	96.8	96.8	96.8	97.1	97.1	97.4	97.4	98.1	98.4
≥ 100	.3	81.6	86.7	90.0	92.2	93.2	95.5	96.8	96.8	97.1	97.4	97.4	97.7	97.7	99.0	99.7
≥ 0	.3	81.6	86.7	90.0	92.2	93.2	95.5	96.8	96.8	97.1	97.4	97.4	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] SEP

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1C

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	46.3	51.7	55.0	57.7	58.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	1.3	51.0	57.7	61.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	1.3	51.7	58.3	61.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	1.3	53.0	60.3	63.7	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	1.3	53.3	60.7	64.3	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	1.3	57.3	65.7	69.3	73.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	1.3	57.7	66.0	69.7	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	1.3	58.0	66.3	70.3	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	1.3	58.3	66.7	70.7	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	1.3	60.3	69.7	72.7	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	1.3	61.7	70.3	74.3	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	1.3	62.3	71.3	75.3	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	1.3	65.0	74.3	79.0	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	1.3	65.3	74.7	79.7	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	1.3	66.3	76.0	81.3	86.3	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	1.3	66.3	76.0	81.3	86.3	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	1.3	68.0	77.7	83.7	89.0	91.0	91.0	91.0	91.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	1.3	68.7	78.7	85.0	90.7	92.7	92.7	92.7	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	1.3	69.0	79.3	86.0	92.7	94.7	94.7	94.7	94.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	1.3	69.7	79.7	87.0	93.7	95.7	95.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	1.3	69.7	79.7	87.3	94.7	97.0	97.0	97.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	1.3	69.7	80.0	87.7	95.0	97.3	97.3	97.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	1.3	69.0	80.0	87.7	95.0	97.7	97.7	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0	1.3	69.0	80.0	87.7	95.3	98.0	98.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

HOURS (L S T / L D T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	49.2	50.1	50.8	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3
≥ 20000	1.1	54.3	55.4	56.2	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0
≥ 18000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
≥ 16000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
≥ 14000	1.1	54.4	55.5	56.3	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1	57.1
≥ 12000	1.1	55.2	56.4	57.2	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	58.0
≥ 10000	1.2	59.4	60.8	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥ 9000	1.2	59.6	61.0	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.7	62.7
≥ 8000	1.2	64.6	66.5	67.5	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.4	68.4
≥ 7000	1.2	65.2	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
≥ 6000	1.2	65.7	67.8	68.9	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.9	69.9
≥ 5000	1.2	67.3	69.7	70.9	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.9	71.9
≥ 4500	1.2	69.7	72.4	73.7	74.3	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9
≥ 4000	1.2	71.3	74.8	76.3	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 3500	1.2	72.4	75.7	77.2	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
≥ 3000	1.2	74.2	77.8	79.6	80.5	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.4
≥ 2500	1.2	75.5	79.3	81.2	82.3	82.4	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.2
≥ 2000	1.2	76.5	80.8	83.1	84.3	84.5	84.7	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
≥ 1800	1.2	76.7	80.9	83.2	84.4	84.6	84.8	85.0	85.1	85.1	85.2	85.2	85.3	85.3	85.4	85.4
≥ 1500	1.2	77.3	81.8	84.5	85.9	86.2	86.5	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.2	87.2
≥ 1200	1.2	77.6	82.2	85.1	86.6	87.0	87.3	87.6	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.1
≥ 1000	1.2	78.2	83.1	86.1	87.8	88.2	88.5	89.1	89.5	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.0
≥ 900	1.2	78.4	83.3	86.6	88.6	89.3	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	91.0	91.0
≥ 800	1.2	78.4	83.6	87.2	89.2	90.1	90.7	91.3	91.3	91.5	91.6	91.6	91.7	91.7	91.8	91.8
≥ 700	1.2	78.6	83.9	87.6	89.8	90.8	91.6	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.7	92.8
≥ 600	1.2	78.9	84.3	88.2	90.6	91.6	92.5	93.1	93.2	93.4	93.5	93.5	93.6	93.7	93.8	93.9
≥ 500	1.2	79.0	84.4	88.4	91.1	92.4	93.5	94.3	94.4	94.6	94.8	94.8	94.8	94.9	95.1	95.1
≥ 400	1.2	79.0	84.5	88.5	91.6	92.9	94.4	95.4	95.5	95.7	95.9	95.9	96.1	96.2	96.4	96.4
≥ 300	1.2	79.0	84.6	88.6	91.8	93.2	95.0	96.1	96.2	96.5	96.9	96.9	97.2	97.3	97.5	97.6
≥ 200	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.1	97.6	97.6	98.2	98.3	98.7	99.1
≥ 100	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	99.8
0	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2477

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 721	PATUXENT RIVER, MARYLAND	73-[illegible]	SEP
STATION	STATION NAME	YEARS	MONTH

13
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	43.5	47.2	52.5	56.[illegible]	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	1.3	46.[illegible]	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	1.[illegible]	48.[illegible]	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	1.3	48.6	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	1.3	48.6	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	1.3	50.2	57.2	61.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	1.3	54.2	61.9	66.2	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	1.3	54.3	62.5	66.9	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	1.3	58.5	67.2	71.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	1.3	59.9	67.6	71.9	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	1.3	59.3	69.2	72.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000	1.3	60.[illegible]	69.6	74.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	1.3	61.[illegible]	71.6	75.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	1.3	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.3	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	1.3	65.9	76.3	81.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	1.3	66.9	79.3	84.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	1.3	67.3	79.6	85.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	1.3	68.2	79.9	86.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.7	69.6	82.3	88.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	1.7	69.9	82.6	89.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	1.7	69.9	82.6	90.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	1.7	69.9	82.9	90.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	1.7	69.9	83.3	91.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	1.7	69.9	83.3	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	1.7	69.9	83.3	91.3	97.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.7	69.9	83.3	91.3	97.1	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.7	69.9	83.3	91.3	97.1	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] STATION | PAT[illegible] STATION NAME | 73- YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	56.1	56.0	52.3	[illegible]	[illegible]	55.2	[illegible]	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 20000	[illegible]	51.[illegible]	56.3	[illegible]	61.8	[illegible]	62.5	[illegible]	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9
≥ 18000	[illegible]	51.7	56.4	59.7	61.8	62.1	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9
≥ 16000	[illegible]	51.7	56.4	59.7	61.8	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.0
≥ 14000	[illegible]	51.9	56.6	60.0	62.1	62.4	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
≥ 12000	[illegible]	52.6	57.4	60.8	62.9	63.3	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1
≥ 10000	[illegible]	55.7	61.0	64.7	67.1	67.5	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 9000	[illegible]	55.9	61.3	65.0	67.4	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7
≥ 8000	[illegible]	60.0	66.0	70.3	72.9	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
≥ 7000	[illegible]	60.3	67.0	71.3	74.3	74.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
≥ 6000	[illegible]	61.1	67.4	71.7	74.5	74.9	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9
≥ 5000	[illegible]	62.1	68.5	73.0	75.8	76.3	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.3
≥ 4500	[illegible]	63.4	69.9	74.5	77.4	77.9	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9
≥ 4000	[illegible]	65.1	71.8	76.6	79.7	80.2	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 3500	[illegible]	65.7	72.3	77.5	80.6	81.1	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2
≥ 3000	[illegible]	67.8	75.2	80.6	84.0	84.5	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8
≥ 2500	[illegible]	68.9	76.3	81.7	85.2	85.8	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
≥ 2000	[illegible]	69.3	77.1	82.9	86.6	87.2	88.0	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
≥ 1800	[illegible]	69.4	77.3	83.1	86.8	87.5	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.8	88.9
≥ 1500	[illegible]	70.1	78.3	84.4	88.3	89.1	89.9	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.6
≥ 1200	[illegible]	70.4	78.7	85.0	89.0	89.8	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.4
≥ 1000	[illegible]	70.8	79.3	85.9	90.2	91.1	92.2	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.9	92.9
≥ 900	[illegible]	70.9	79.5	86.3	91.1	91.6	92.7	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5
≥ 800	[illegible]	71.1	79.8	86.7	91.3	92.3	93.4	93.8	93.8	94.1	94.1	94.1	94.2	94.2	94.3	94.4
≥ 700	[illegible]	71.1	80.1	87.1	91.9	92.9	94.2	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.1	95.2
≥ 600	[illegible]	71.2	80.2	87.4	92.2	93.4	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.8	95.9
≥ 500	[illegible]	71.3	80.3	87.6	92.7	94.0	95.6	96.1	96.2	96.5	96.6	96.6	96.7	96.8	96.9	96.9
≥ 400	[illegible]	71.4	80.4	87.8	93.1	94.5	96.2	96.8	96.9	97.3	97.4	97.5	97.6	97.6	97.8	97.9
≥ 300	[illegible]	71.4	80.5	87.9	93.2	94.7	96.5	97.2	97.3	97.8	98.0	98.0	98.3	98.3	98.5	98.6
≥ 200	[illegible]	71.4	80.5	87.9	93.2	94.7	96.6	97.4	97.5	98.0	98.3	98.4	98.8	98.8	99.1	99.3
≥ 100	[illegible]	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	99.8
≥ 0	[illegible]	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 29198

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.3	48.3	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	1.7	48.3	57.0	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	1.7	52.3	61.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	1.7	52.3	61.3	67.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	1.7	54.7	64.3	71.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	1.7	55.0	65.0	71.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.7	55.3	65.3	72.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	1.7	56.3	67.0	73.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	1.7	58.3	69.0	75.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	1.7	60.7	72.0	78.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	1.7	60.7	72.3	79.0	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	1.7	63.7	76.7	85.3	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	1.7	64.3	77.3	86.7	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	1.7	65.0	79.0	88.3	92.3	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	1.7	65.3	79.3	88.7	92.7	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	1.7	65.7	79.7	91.0	94.0	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	1.7	65.7	79.7	91.3	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.7	65.7	79.7	91.7	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 900	1.7	66.0	80.3	91.3	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3
≥ 800	1.7	66.3	80.7	91.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0
≥ 700	1.7	66.3	80.7	91.7	97.0	97.3	97.7	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7
≥ 600	1.7	66.7	81.0	92.0	97.3	97.7	98.0	98.0	98.3	98.7	99.3	99.3	99.7	99.7	99.7	99.7
≥ 500	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	1.7	66.7	81.3	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0
0	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 PATUXENT RIVER, MARYLAND 73-82 JAN
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	01	28.5			16.5						10.4	44.7	5.9	309
	04	29.4			17.8						10.4	42.4	5.7	309
	07	18.4			21.9						18.4	41.3	6.4	310
	10	19.7			19.1						17.1	46.1	6.7	310
	13	20.3			17.7						17.7	44.2	6.5	310
	16	17.7			21.6						15.5	45.2	6.6	310
	19	20.5			20.3						13.2	40.0	5.8	310
	22	32.9			15.2						11.3	40.6	5.5	310
TOTALS		24.1			18.6						14.3	43.1	6.1	2478

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[redacted] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-92 YEARS | SEP MONTH

19 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	41.0	46.3	50.7	54.3	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	.3	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	.3	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	.3	46.7	53.7	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	.3	47.3	53.7	59.3	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.3	47.3	54.0	59.7	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	.3	52.3	60.0	66.3	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	.3	52.3	60.3	66.7	71.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	.3	55.3	65.0	72.3	76.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	.3	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	.3	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	.3	56.0	66.0	73.3	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	.3	57.3	67.3	74.7	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.3	59.7	70.0	77.7	82.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	.3	60.3	70.7	78.3	82.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	.3	61.7	73.3	82.0	87.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	.3	62.3	74.7	83.3	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	.3	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	.3	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	.3	64.3	78.3	87.3	93.3	94.0	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	.3	64.7	78.7	88.0	94.0	94.7	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) FEB (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	01	33.0			17.4						12.1	37.6	5.4	262
	04	34.4			14.5						13.1	37.9	5.4	292
	07	18.1			22.7						14.9	38.3	6.0	292
	10	23.3			18.1						16.3	41.8	6.2	292
	13	22.0			17.0						22.7	38.3	6.4	292
	16	19.1			21.6						20.6	38.7	6.4	292
	19	23.2			24.5						14.9	35.5	5.6	292
	22	35.5			20.2						9.9	34.4	4.9	292
TOTALS		26.4			20.3						15.6	37.8	5.8	2256

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] SEP

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	43.7	49.0	53.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	.3	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	.3	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	.3	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	.3	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	.3	49.7	57.3	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	.3	53.3	61.7	67.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	.3	54.0	62.7	68.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	.3	56.7	66.0	72.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	.3	57.3	66.7	73.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	.3	57.3	66.7	73.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	.3	57.3	66.7	74.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	.3	58.3	67.7	75.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	.3	59.7	69.3	77.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	.3	61.7	71.0	78.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	.3	63.0	74.7	82.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	.3	64.3	75.7	83.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	.3	64.3	76.3	84.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	.3	64.0	76.3	84.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	.3	64.3	79.3	87.3	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	.3	64.3	79.0	88.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	.3	64.7	80.3	89.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	.3	65.0	80.7	90.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	.3	65.0	81.0	90.3	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	.3	65.3	81.0	90.7	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	.3	65.3	81.0	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	.3	65.3	81.0	91.7	97.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	.3	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.3	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.3	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.3	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.3	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

SKY COVER

1121 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (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	01	39.7			14.3						11.7	35.3	5.2	300
	04	33.7			21.3						14.3	30.7	5.2	300
	07	24.3			25.3						17.3	33.3	5.7	300
	10	22.3			22.7						19.7	35.3	5.8	300
	13	21.7			18.0						24.7	36.7	6.4	300
	16	22.3			19.3						22.3	36.7	6.3	300
	19	17.3			25.7						24.3	33.3	6.2	300
	22	33.7			22.3						16.7	30.7	5.2	300
TOTALS		26.2			21.0						18.9	34.1	5.7	2400

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) MAY (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	01	24.2			20.6						17.7	36.4	5.9	31
	04	21.6			23.9						16.5	38.1	6.0	310
	07	23.9			20.6						15.5	40.0	6.1	310
	10	15.8			21.6						22.0	39.7	6.7	310
	13	14.5			19.0						26.9	39.7	6.9	31
	16	14.5			19.4						26.5	39.7	6.9	310
	19	16.7			19.0						24.9	37.4	6.5	310
	22	23.5			21.0						19.7	35.9	6.0	310
TOTALS		19.6			20.6						21.4	39.4	6.4	2480

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[redacted] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-80 (YEARS) SEP (MONTH)

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	41.3	49.0	53.7	56.5	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
≥ 20000	.3	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	.1	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	.3	46.1	54.5	59.6	62.9	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.1	46.5	55.0	60.2	63.4	63.9	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 10000	.3	50.0	59.4	64.9	68.7	69.3	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 9000	.3	50.3	59.8	65.5	69.3	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	.3	53.7	64.0	70.2	74.2	74.8	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 7000	.1	54.1	64.5	70.7	74.7	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	.3	54.3	64.8	71.1	75.2	75.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7
≥ 5000	.1	55.1	65.6	72.2	76.3	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	.1	56.2	66.9	73.5	77.7	78.3	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2
≥ 4000	.3	57.6	68.5	75.2	79.5	80.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	.3	58.2	69.2	76.0	80.3	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
≥ 3000	.3	60.2	72.7	80.4	84.8	85.6	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	.3	60.9	73.7	81.6	86.2	87.0	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2
≥ 2000	.1	61.9	75.1	83.3	88.2	89.1	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	.1	61.9	75.2	83.5	88.5	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1500	.1	62.9	77.0	85.9	91.0	92.0	93.0	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	.9	63.2	77.5	86.5	91.7	92.8	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.3	94.3
≥ 1000	.9	63.4	78.0	87.5	93.1	94.3	95.2	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	.9	63.6	78.2	87.9	93.5	94.7	95.6	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.3	96.3
≥ 800	.9	63.7	78.5	88.3	94.2	95.4	96.4	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	.9	63.7	78.6	88.6	94.7	96.0	97.1	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9
≥ 600	.9	63.8	78.7	88.9	95.1	96.5	97.7	98.0	98.1	98.3	98.5	98.5	98.5	98.5	98.6	98.6
≥ 500	.9	63.9	78.7	89.1	95.3	96.8	98.4	98.8	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4
≥ 400	.9	63.9	78.7	89.1	95.5	97.0	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 200	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	.9	63.9	78.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 72-92 (PERIOD) JUN (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	01	2.0			27.0						21.0	31.0	5.7	300
	04	15.7			29.0						22.7	30.3	5.9	300
	07	19.3			23.3						25.0	32.3	6.2	300
	10	17.7			21.3						24.3	36.7	6.5	300
	13	11.0			24.3						26.7	38.0	6.8	300
	16	14.7			23.7						28.7	33.	6.6	300
	19	17.7			25.0						24.7	32.7	6.2	300
	22	21.3			24.7						27.7	33.3	5.9	300
TOTALS		13.1			24.3						24.2	33.4	6.2	2400

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	56.5	60.7	63.9	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	.3	58.4	63.2	66.5	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	63.3	69.4	72.6	73.2	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	.3	64.5	70.3	73.2	73.9	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	.3	65.2	70.7	73.9	74.5	74.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	.3	66.5	71.9	75.5	76.1	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	.3	70.3	76.1	79.7	80.3	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	.3	71.9	78.4	82.3	82.9	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	.3	72.6	79.4	83.2	83.9	84.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	.3	73.9	81.0	84.8	85.5	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	.3	74.8	82.3	86.8	87.4	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	.3	76.1	84.5	89.7	91.0	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	.3	76.5	84.8	90.0	91.6	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	.3	76.5	85.2	90.3	91.9	92.3	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	.3	76.9	85.2	90.7	92.6	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	.3	76.9	85.5	91.3	93.6	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	.3	76.9	86.1	91.9	94.2	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	.3	77.1	86.8	92.6	95.2	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	99.7
0	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

SKY COVER

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] 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	01	21.2			27.2						23.2	27.7	5.6	238
	04	14.7			31.3						21.4	27.4	5.5	231
	07	14.5			23.7						25.3	31.3	6.3	237
	10	14.9			20.4						24.5	30.7	6.2	233
	13	13.8			26.5						34.2	25.2	6.4	237
	16	16.1			24.1						30.2	27.7	6.3	232
	19	14.3			24.1						24.2	34.5	6.4	231
	22	13.4			24.2						23.2	28.7	6.2	231
TOTALS		17.4			27.5						25.1	29.1	6.1	2489

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] 721 | PATUXENT RIVER, MARYLAND | 73-82 | OCT

STATION | STATION NAME | YEARS | MONTH

04

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

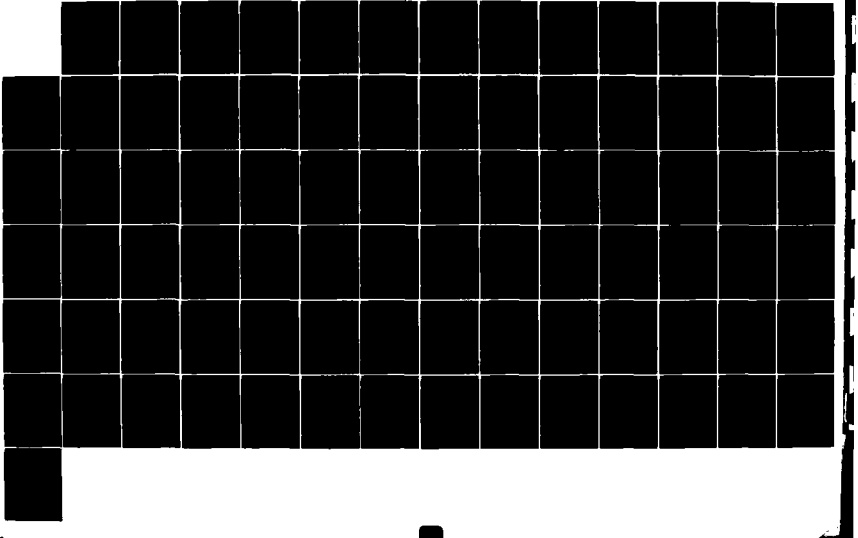
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	49.7	54.2	56.1	57.4	57.4	58.4	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.7	59.7
≥ 20000	.3	51.6	56.5	58.4	60.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.6	62.6
≥ 18000	.3	51.6	56.5	58.4	60.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.6	62.6
≥ 16000	.3	51.6	56.5	58.4	60.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.6	62.6
≥ 14000	.3	51.6	56.5	58.4	60.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.6	62.6
≥ 12000	.3	51.9	56.8	58.7	60.3	60.3	61.6	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.9	62.9
≥ 10000	.3	54.5	60.3	62.3	64.2	64.2	65.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.4	67.4
≥ 9000	.3	55.2	60.7	62.6	64.5	64.5	66.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.7	67.7
≥ 8000	.3	61.3	67.1	69.7	71.6	71.6	73.2	74.2	74.2	74.5	74.5	74.8	74.8	74.8	75.2	75.2
≥ 7000	.3	62.6	68.4	71.0	72.9	72.9	74.5	75.5	75.5	75.8	75.8	76.1	76.1	76.1	76.5	76.5
≥ 6000	.3	62.9	68.7	71.3	73.2	73.2	74.8	75.8	75.8	76.1	76.1	76.5	76.5	76.5	76.8	76.8
≥ 5000	.3	63.6	69.4	71.9	73.9	73.9	75.5	76.5	76.5	76.8	76.8	77.1	77.1	77.1	77.4	77.4
≥ 4500	.3	65.5	71.3	73.9	75.8	75.8	77.4	78.4	78.4	78.7	78.7	79.0	79.0	79.0	79.4	79.4
≥ 4000	.3	66.5	72.6	75.2	77.1	77.1	78.7	79.7	79.7	80.0	80.0	80.3	80.3	80.3	80.7	80.7
≥ 3500	.3	67.4	73.9	76.8	78.7	78.7	80.3	81.3	81.3	81.6	81.6	81.9	81.9	81.9	82.3	82.3
≥ 3000	.3	69.4	75.8	78.7	80.7	80.7	82.3	83.2	83.2	83.6	83.6	83.9	83.9	83.9	84.2	84.2
≥ 2500	.3	71.0	77.7	80.7	82.6	82.6	84.2	85.2	85.2	85.5	85.5	85.8	85.8	85.8	86.1	86.1
≥ 2000	.3	71.6	78.4	81.3	83.6	83.6	85.2	86.1	86.1	86.5	86.5	86.8	86.8	86.8	87.1	87.1
≥ 1800	.3	71.9	78.7	81.6	83.9	83.9	85.5	86.5	86.5	86.8	86.8	87.1	87.1	87.1	87.4	87.4
≥ 1500	.3	73.2	81.0	84.2	87.1	87.1	88.7	89.7	89.7	90.0	90.0	90.3	90.3	90.3	90.7	90.7
≥ 1200	.3	73.2	81.0	84.5	87.4	87.4	89.0	90.0	90.0	90.3	90.3	90.7	90.7	90.7	91.0	91.0
≥ 1000	.3	73.6	81.6	85.8	88.7	88.7	90.7	91.6	91.6	91.9	91.9	92.3	92.3	92.3	92.6	92.6
≥ 900	.3	73.6	81.6	85.8	88.7	88.7	91.0	91.9	91.9	92.3	92.3	92.6	92.6	92.6	92.9	92.9
≥ 800	.3	73.9	82.3	86.8	89.7	89.7	91.9	92.9	92.9	93.2	93.2	93.6	93.6	93.6	93.9	93.9
≥ 700	.3	73.9	82.3	86.8	89.7	90.0	92.9	93.9	93.9	94.2	94.2	94.5	94.5	94.5	94.8	94.8
≥ 600	.3	74.2	82.6	87.1	90.0	90.3	93.2	94.2	94.2	94.5	94.5	94.8	94.8	94.8	95.2	95.2
≥ 500	.3	74.2	82.6	87.1	90.3	90.7	93.6	94.5	94.5	94.8	94.8	95.2	95.2	95.2	95.5	95.5
≥ 400	.3	74.2	82.6	87.4	90.7	91.3	94.5	95.5	95.5	96.1	96.1	96.5	96.5	96.5	96.8	96.8
≥ 300	.3	74.2	82.6	87.4	91.0	91.6	94.8	95.8	95.8	96.5	96.8	97.1	97.4	97.4	97.7	97.7
≥ 200	.3	74.5	82.9	87.7	91.3	92.3	95.5	96.5	96.5	97.1	97.7	98.1	98.4	98.4	99.0	99.0
≥ 100	.3	74.5	82.9	87.7	91.3	92.3	95.5	96.5	96.5	97.1	99.1	98.4	98.7	98.7	99.4	99.7
≥ 0	.3	74.5	82.9	87.7	91.3	92.3	95.5	96.5	96.5	97.1	99.1	99.4	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

AD-A150 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED F/G 4/2 NL



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 77-[illegible] | OCT

STATION | STATION NAME | YEARS | MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	44.2	48.1	52.6	54.2	54.2	55.5	55.8	55.9	56.1	56.5	56.5	56.5	56.5	56.5	57.4
≥ 20000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 18000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 16000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 14000	1.[illegible]	46.4	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.9	62.9	63.2	63.9
≥ 12000	1.[illegible]	47.4	52.3	57.4	60.3	60.3	61.6	62.3	62.3	62.9	63.2	63.2	63.6	63.6	63.9	64.5
≥ 10000	1.[illegible]	49.4	54.5	59.7	62.6	62.6	63.9	64.5	64.5	65.2	65.5	65.5	65.8	65.8	66.1	66.8
≥ 9000	1.[illegible]	50.0	55.2	60.3	63.2	63.2	64.5	65.2	65.2	65.8	66.1	66.1	66.5	66.5	66.8	67.4
≥ 8000	1.[illegible]	55.2	60.3	66.1	69.0	69.0	70.7	71.3	71.3	71.9	72.3	72.3	72.6	72.6	72.9	73.6
≥ 7000	1.[illegible]	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
≥ 6000	1.[illegible]	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
≥ 5000	1.[illegible]	57.1	62.6	68.7	71.9	71.9	73.6	74.2	74.2	74.8	75.2	75.2	75.5	75.5	75.8	76.5
≥ 4500	1.[illegible]	58.1	64.2	70.3	73.6	73.6	75.2	75.8	75.8	76.5	76.8	76.8	77.1	77.1	77.4	78.1
≥ 4000	1.[illegible]	60.0	66.1	72.3	75.8	75.8	77.4	78.1	78.1	78.7	79.0	79.0	79.4	79.4	79.7	80.3
≥ 3500	1.[illegible]	61.0	67.4	74.2	77.7	77.7	79.4	80.0	80.0	80.7	81.0	81.0	81.3	81.3	81.6	82.3
≥ 3000	1.3	63.2	70.0	77.1	81.0	81.0	82.9	83.6	83.6	84.2	84.5	84.5	84.8	84.8	85.2	85.8
≥ 2500	1.3	64.5	71.3	79.0	83.2	83.6	85.5	86.1	86.1	86.8	87.1	87.1	87.4	87.4	87.7	88.4
≥ 2000	1.3	65.2	71.9	79.7	84.2	84.5	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
≥ 1800	1.3	65.2	71.9	79.7	84.2	84.5	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
≥ 1500	1.3	66.1	72.9	81.0	85.5	85.8	87.7	88.4	88.4	89.0	89.4	89.4	89.7	89.7	90.0	90.7
≥ 1200	1.3	66.1	73.6	82.3	86.8	87.1	89.0	89.7	89.7	90.3	90.7	90.7	91.0	91.0	91.3	91.9
≥ 1000	1.3	66.5	74.2	83.2	87.7	88.1	90.0	91.0	91.0	91.6	91.9	91.9	92.3	92.3	92.6	93.2
≥ 900	1.3	66.5	74.2	83.2	87.7	88.1	90.3	91.3	91.3	91.9	92.3	92.3	92.6	92.6	92.9	93.6
≥ 800	1.3	66.5	74.5	84.2	89.0	89.4	91.6	92.6	92.6	93.2	93.6	93.6	93.9	93.9	94.2	94.8
≥ 700	1.3	66.5	74.8	84.5	89.4	89.7	91.9	93.2	93.2	94.2	94.5	94.5	94.8	94.8	95.2	95.9
≥ 600	1.3	66.5	74.8	84.8	89.7	90.0	92.6	93.9	93.9	94.8	95.2	95.2	95.5	95.5	95.8	96.5
≥ 500	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
≥ 400	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	95.8	96.5	96.5	96.8	96.8	97.1	97.7
≥ 300	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.1	96.8	96.8	97.1	97.1	97.4	98.1
≥ 200	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.1	96.8	96.8	97.1	97.1	97.4	98.4
≥ 100	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.5	97.1	97.1	97.7	97.7	98.7	100.0
≥ 0	1.3	66.5	75.2	85.2	90.3	90.7	93.2	94.5	94.5	96.5	97.1	97.1	97.7	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]310

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	22.3			27.4						22.6	27.7	5.6	310
	04	20.6			33.5						21.0	24.8	5.4	310
	07	15.8			29.7						25.5	29.0	6.1	310
	10	16.1			27.1						32.3	24.5	6.2	310
	13	14.2			27.4						35.8	22.6	6.3	310
	16	14.8			30.6						28.1	26.5	6.1	310
	19	14.5			27.1						26.8	31.6	6.4	310
	22	19.7			29.4						19.4	31.6	5.8	310
TOTALS		17.3			29.0						26.4	27.3	6.0	2480

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 72-[illegible] OCT

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1[illegible]

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	3.[illegible]	58.9	57.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	1.[illegible]	[illegible]	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	1.[illegible]	[illegible]	62.9	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000	1.[illegible]	[illegible]	63.0	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	1.[illegible]	[illegible]	62.9	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	1.[illegible]	[illegible]	67.4	69.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	1.[illegible]	[illegible]	66.7	69.3	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	1.[illegible]	[illegible]	66.7	69.6	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	1.[illegible]	66.7	70.4	72.3	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	1.[illegible]	67.0	71.3	74.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	1.[illegible]	67.4	71.9	74.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	1.[illegible]	68.1	72.3	75.1	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	1.[illegible]	68.9	73.1	75.4	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	1.[illegible]	72.5	77.0	79.3	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	1.[illegible]	73.8	79.0	80.3	81.6	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	1.[illegible]	76.4	81.6	84.5	86.4	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	1.[illegible]	77.[illegible]	82.2	85.1	87.1	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	1.[illegible]	78.[illegible]	83.5	86.4	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	1.[illegible]	78.[illegible]	83.5	86.4	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	1.[illegible]	78.3	84.1	87.1	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	1.[illegible]	79.0	84.8	88.0	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	1.[illegible]	79.3	85.1	88.4	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	1.[illegible]	79.3	85.1	88.7	92.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	1.[illegible]	79.3	85.4	89.3	92.9	93.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	1.[illegible]	79.6	86.4	90.3	93.9	94.8	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	1.[illegible]	79.6	86.4	90.3	94.2	95.2	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	1.[illegible]	79.9	86.7	90.6	94.5	95.5	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.[illegible]	80.3	87.1	90.9	94.8	95.8	97.7	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 200	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 100	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	100.0
≥ 0	1.[illegible]	80.3	87.4	91.3	95.2	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3[illegible]9

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	29.0			25.7						13.3	32.0	5.2	300
	04	30.3			26.3						16.3	27.0	5.0	300
	07	19.3			29.7						23.0	28.0	5.8	300
	10	20.7			25.7						24.0	29.7	5.9	300
	13	14.0			27.7						28.0	30.3	6.4	300
	16	16.7			28.0						25.7	29.7	6.1	300
	19	18.7			28.0						23.3	30.0	5.9	300
	22	25.0			23.7						19.7	31.7	5.6	300
TOTALS		21.7			26.9						21.7	29.8	5.7	2400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	51.3	53.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	1.3	58.1	60.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	1.3	58.4	60.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	1.6	60.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	1.6	60.7	63.2	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	1.6	65.3	69.0	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	1.6	66.5	69.7	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	1.9	66.8	70.0	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	1.9	67.4	70.7	72.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	1.9	69.1	72.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9
≥ 4000	1.9	71.4	74.8	76.5	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	2.3	74.5	77.7	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	2.3	80.0	84.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 2500	2.3	80.7	84.9	86.5	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4
≥ 2000	2.3	81.9	86.1	86.1	86.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
≥ 1800	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
≥ 1500	2.3	82.6	87.4	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 1200	2.3	2.9	87.7	91.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9
≥ 1000	2.3	3.0	88.4	91.6	93.6	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8
≥ 900	2.3	3.0	88.7	92.6	94.5	95.5	95.8	96.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8
≥ 800	2.3	3.0	88.7	92.9	94.8	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4	97.4	97.4
≥ 700	2.3	4.3	90.0	93.2	95.2	96.1	96.5	97.1	97.1	97.4	97.7	97.7	98.1	98.1	98.1	98.1
≥ 600	2.3	4.3	90.0	93.6	95.8	96.8	97.1	97.7	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.7
≥ 500	2.3	4.3	90.0	93.6	95.8	96.8	97.1	97.7	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.7
≥ 400	2.3	4.3	90.0	93.9	96.1	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.7
≥ 300	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
0	2.3	4.3	90.0	93.9	96.1	97.4	98.1	99.0	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) OCT (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	01	40.0			20.3						11.6	28.1	4.5	310
	04	39.7			16.1						13.5	30.6	4.8	310
	07	20.3			29.7						19.7	30.3	5.7	310
	10	21.9			29.0						20.3	28.7	5.6	310
	13	19.4			22.6						27.7	30.3	6.2	310
	16	23.9			23.5						24.5	28.1	5.7	310
	19	28.4			24.2						18.4	29.0	5.3	310
	22	35.8			20.0						15.2	29.0	4.9	310
TOTALS		28.7			23.2						18.9	29.3	5.3	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 1 | PAT[illegible]T RIVER, MARYLAND | 73-[illegible] | OCT

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	1.[illegible]	54.2	55.2	55.[illegible]	[illegible]5.3	55.[illegible]	[illegible]6.3	55.[illegible]	55.3	55.[illegible]	55.8	55.[illegible]	55.8	55.[illegible]	[illegible]5.[illegible]
≥ 20000	1.[illegible]	59.7	62.9	64.3	65.2	65.3	65.3	[illegible]5.[illegible]	[illegible]5.[illegible]	65.3	65.[illegible]	65.4	[illegible]5.[illegible]	65.3	65.[illegible]	[illegible]5.3
≥ 18000	1.[illegible]	59.7	62.[illegible]	64.3	65.2	[illegible]5.[illegible]	65.[illegible]	[illegible]5.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]5.8	[illegible]6.[illegible]	65.3	65.[illegible]	65.3
≥ 16000	1.[illegible]	59.7	62.[illegible]	64.3	65.2	[illegible]5.[illegible]	65.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]6.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]
≥ 14000	1.[illegible]	[illegible]0.[illegible]	61.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1	[illegible]6.1
≥ 12000	1.[illegible]	[illegible]0.7	62.3	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	66.3	66.[illegible]	66.8	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]
≥ 10000	1.[illegible]	[illegible]4.[illegible]	67.7	[illegible]9.7	70.[illegible]	[illegible]0.7	70.7	[illegible]0.7	[illegible]0.7	70.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]0.7
≥ 9000	1.[illegible]	[illegible]5.[illegible]	[illegible]7.4	70.3	70.7	71.3	71.3	71.3	71.[illegible]	71.3	71.[illegible]	71.3	71.[illegible]	71.3	71.[illegible]	71.3
≥ 8000	1.[illegible]	[illegible]9.7	73.[illegible]	75.2	75.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5	76.[illegible]	76.5
≥ 7000	1.[illegible]	69.7	73.[illegible]	76.5	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	1.[illegible]	7[illegible].3	74.5	77.1	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000	1.[illegible]	71.3	75.[illegible]	78.4	79.[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	1.[illegible]	71.9	76.3	79.7	8[illegible].3	[illegible]1.[illegible]	81.[illegible]	[illegible]1.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	[illegible]1.[illegible]	81.[illegible]	[illegible]1.[illegible]	[illegible]1.[illegible]
≥ 4000	1.[illegible]	74.5	7[illegible].7	82.6	83.2	[illegible]3.9	83.9	83.9	83.9	83.9	83.9	83.9	[illegible]3.9	83.9	[illegible]3.9	[illegible]3.9
≥ 3500	1.[illegible]	75.5	80.7	83.6	84.2	[illegible]4.8	84.8	[illegible]4.8	84.[illegible]	[illegible]4.8	84.[illegible]	[illegible]4.[illegible]	[illegible]4.8	[illegible]4.[illegible]	[illegible]4.8	[illegible]4.8
≥ 3000	1.[illegible]	78.4	83.6	87.4	88.1	[illegible]8.7	88.7	[illegible]8.7	[illegible]8.7	88.7	88.7	88.7	[illegible]8.7	88.7	[illegible]8.7	[illegible]8.7
≥ 2500	1.[illegible]	79.7	85.2	89.[illegible]	90.[illegible]	[illegible]0.7	90.7	[illegible]0.7	[illegible]0.7	90.7	90.7	90.7	[illegible]0.7	90.7	[illegible]0.7	[illegible]0.7
≥ 2000	1.[illegible]	[illegible]1.[illegible]	86.5	[illegible]0.3	91.6	[illegible]2.[illegible]	93.2	[illegible]3.2	[illegible]3.2	93.2	93.2	93.2	[illegible]3.2	93.2	[illegible]3.2	[illegible]3.[illegible]
≥ 1800	1.[illegible]	[illegible]1.[illegible]	86.5	[illegible]0.3	91.6	[illegible]2.6	93.[illegible]	[illegible]3.2	[illegible]3.2	93.2	93.2	93.2	[illegible]3.2	[illegible]3.2	[illegible]3.2	[illegible]3.[illegible]
≥ 1500	1.[illegible]	[illegible]1.3	[illegible]7.1	91.3	[illegible]2.6	[illegible]3.6	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.2	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5
≥ 1200	1.[illegible]	[illegible]1.[illegible]	[illegible]7.7	91.9	[illegible]3.2	[illegible]4.5	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]5.3	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]5.[illegible]
≥ 1000	1.[illegible]	[illegible]1.3	[illegible]8.1	[illegible]2.3	[illegible]3.6	[illegible]4.3	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.8	[illegible]5.8	[illegible]5.8	[illegible]5.[illegible]	[illegible]5.3
≥ 900	1.[illegible]	[illegible]1.[illegible]	[illegible]8.4	[illegible].6	[illegible]4.5	[illegible]5.8	[illegible]6.5	[illegible]6.5	[illegible]6.[illegible]	[illegible]6.5	[illegible]6.5	[illegible]6.6	[illegible]6.8	[illegible]6.8	[illegible]6.8	[illegible]6.8
≥ 800	1.[illegible]	[illegible]1.[illegible]	[illegible]8.4	[illegible]3.2	[illegible]5.2	[illegible]6.3	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.4	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7
≥ 700	1.[illegible]	[illegible]1.[illegible]	[illegible]8.[illegible]	[illegible]3.9	[illegible]5.8	[illegible]7.4	[illegible]8.1	[illegible]8.1	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 600	1.[illegible]	[illegible]1.[illegible]	[illegible]8.7	[illegible]3.9	[illegible]5.8	[illegible]7.4	[illegible]8.1	[illegible]8.1	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 500	1.[illegible]	[illegible]2.[illegible]	[illegible]8.[illegible]	[illegible]4.2	[illegible]5.[illegible]	[illegible]7.7	[illegible]8.4	[illegible]8.4	[illegible]8.4	[illegible]8.7	[illegible]8.7	99.0	99.0	99.0	99.0	[illegible]9.[illegible]
≥ 400	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.[illegible]	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.4	99.4	99.4	99.4	[illegible]9.4
≥ 300	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
≥ 200	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
≥ 100	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.0	99.0	99.7	100.0	100.0	100.0	100.0
0	1.[illegible]	[illegible]2.[illegible]	[illegible]8.4	[illegible]4.5	[illegible]6.5	[illegible]8.1	[illegible]8.7	[illegible]8.7	[illegible]8.7	99.[illegible]	99.[illegible]	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]1[illegible]

DIPNAVOCEANMET SMOS

2

SKY COVER

13721 PATUXENT RIVER, MARYLAND 73-82 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	01	33.5			15.2						13.2	38.1	5.5	310
	04	28.4			19.4						14.5	37.7	5.7	310
	07	15.5			28.4						22.6	33.5	6.2	310
	10	20.6			20.3						20.3	38.7	6.3	310
	13	14.8			24.5						20.6	40.0	6.6	310
	16	17.7			22.9						21.0	38.4	6.4	310
	19	23.6			23.6						15.5	37.2	5.8	309
	22	28.2			18.1						13.9	39.8	5.8	309
TOTALS		22.8			21.6						17.7	37.9	6.0	2478

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 PERIOD | ALL 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	24.1			18.6						14.3	43.1	6.1	2478
FEB		26.4			20.3						15.6	37.8	5.8	2256
MAR		22.9			17.0						14.9	45.2	6.4	2480
APR		26.2			21.0						18.8	34.1	5.7	2400
MAY		19.6			20.6						21.4	38.4	6.4	2480
JUN		18.1			24.3						24.2	33.4	6.2	2400
JUL		17.4			27.5						26.1	29.1	6.1	2480
AUG		17.3			29.0						26.8	27.3	6.0	2480
SEP		21.7			26.9						21.7	29.8	5.7	2400
OCT		28.7			23.2						18.9	29.3	5.3	2480
NOV		25.1			23.0						19.0	32.9	5.7	2400
DEC		22.8			21.6						17.7	37.9	6.0	2478
TOTALS		22.5			22.8						19.9	34.9	6.0	29212

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING			6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000			64.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000			64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000			67.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000		63.1	65.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000		67.0	72.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 7000		67.6	74.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000			75.1	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000			75.7	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500		71.	79.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000		73.9	81.6	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500		74.1	82.5	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000		75.7	84.5	89.3	89.6	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500		75.7	84.5	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		76.7	86.1	90.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800		77.0	87.7	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500		77.4	87.7	92.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		77.7	88.1	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		77.7	88.4	93.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		78.	89.	94.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800		78.3	89.3	94.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700		78.	89.3	94.5	96.1	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600		78.	89.3	94.5	96.1	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		78.	89.3	94.5	96.1	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		78.3	89.3	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		78.	89.	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 200		78.	89.3	94.8	96.4	96.8	98.4	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 100		78.	89.7	94.8	96.4	97.1	98.7	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0		78.	89.3	94.8	96.4	97.1	98.7	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NOCD, Federal Building
Asheville, N. 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 presentation 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 deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

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

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. 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 require two pages in some cases.

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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT [illegible], MARYLAND | 73-82 | OCT

STATION | STATION NAME | YEARS | MONTH

ALL

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	52.0	55.6	57.6	58.4	58.4	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2
≥ 20000	.8	56.3	60.2	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 18000	.8	56.3	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 16000	.8	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
≥ 14000	.9	56.3	61.0	63.0	64.0	64.1	64.5	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.1
≥ 12000	.9	56.5	61.0	63.6	64.5	64.7	65.1	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6
≥ 10000	.9	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.6
≥ 9000	.9	59.9	64.3	66.9	67.9	68.1	68.5	68.8	68.8	68.9	68.9	68.9	68.9	69.0	69.1	69.1
≥ 8000	1.0	64.8	69.5	72.6	73.7	73.9	74.4	74.7	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.1
≥ 7000	1.0	65.4	70.5	73.7	74.8	75.0	75.5	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.2
≥ 6000	1.0	65.8	70.9	74.0	75.1	75.4	75.9	76.1	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5
≥ 5000	1.0	66.7	71.9	75.1	76.2	76.5	77.0	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.6	77.6
≥ 4500	1.0	68.4	73.9	77.1	78.3	78.5	79.1	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.6	79.7
≥ 4000	1.0	70.5	76.2	79.6	80.9	81.2	81.7	81.9	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.3
≥ 3500	1.1	71.7	77.6	81.0	82.3	82.6	83.1	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.7	83.8
≥ 3000	1.1	74.3	80.6	84.5	86.1	86.3	86.8	87.1	87.1	87.2	87.3	87.3	87.4	87.4	87.5	87.5
≥ 2500	1.1	75.2	81.6	85.8	87.3	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.9	88.9
≥ 2000	1.1	76.1	82.7	87.0	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
≥ 1800	1.1	76.1	82.8	87.1	88.9	89.4	90.1	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.8
≥ 1500	1.1	76.3	83.9	88.5	90.6	91.0	91.8	92.0	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.5
≥ 1200	1.1	77.0	84.3	89.1	91.3	91.8	92.5	92.8	92.9	92.9	92.9	93.0	93.1	93.1	93.2	93.3
≥ 1000	1.1	77.2	84.9	89.8	92.2	92.7	93.5	93.9	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.4
≥ 900	1.1	77.4	85.1	90.2	92.7	93.2	94.2	94.6	94.6	94.7	94.7	94.8	94.9	94.9	95.0	95.0
≥ 800	1.1	77.5	85.4	91.7	93.3	93.8	94.9	95.2	95.2	95.4	95.5	95.6	95.7	95.7	95.8	95.8
≥ 700	1.1	77.6	85.6	91.1	93.7	94.4	95.5	95.9	95.9	96.3	96.3	96.4	96.5	96.5	96.6	96.7
≥ 600	1.1	77.6	85.7	91.4	94.1	94.8	96.1	96.4	96.4	96.7	96.8	96.9	97.0	97.0	97.1	97.1
≥ 500	1.1	77.8	85.9	91.6	94.4	95.2	96.5	97.0	97.0	97.3	97.4	97.5	97.5	97.6	97.7	97.7
≥ 400	1.1	77.9	86.1	91.9	94.8	95.6	97.1	97.7	97.7	98.1	98.3	98.4	98.4	98.4	98.5	98.5
≥ 300	1.1	77.9	86.1	91.9	94.9	95.7	97.3	97.9	97.9	98.4	98.6	98.7	98.9	98.9	99.0	99.1
≥ 200	1.1	77.9	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.5	98.8	98.9	99.1	99.1	99.3	99.4
≥ 100	1.1	77.9	86.2	91.9	94.9	95.8	97.4	98.0	98.0	98.6	99.0	99.0	99.3	99.3	99.6	99.9
≥ 0	1.1	77.9	86.2	91.9	94.9	95.8	97.4	98.0	98.0	98.6	98.9	99.0	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2472

DIRNAVOCEANMET SMOS

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 (σx). The number of observations used in the computations 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 tabulations 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 available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. 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.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

72781	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

01
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	68.7	69.0	81.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.7	84.3
≥ 20000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 18000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 16000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 14000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 12000	1.0	72.0	83.7	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7	88.7
≥ 10000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	71.3
≥ 9000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	71.3
≥ 8000	1.0	69.3	70.7	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.7	76.7
≥ 7000	1.0	70.3	72.7	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.7	78.7
≥ 6000	1.0	70.7	73.3	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.3	79.3
≥ 5000	1.0	71.0	73.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.7	79.7
≥ 4500	1.0	71.3	74.0	76.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7	80.7
≥ 4000	1.0	72.7	75.3	77.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.0	82.0
≥ 3500	1.0	74.0	76.7	78.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	83.3
≥ 3000	1.0	75.7	78.3	80.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3	85.3
≥ 2500	1.0	76.7	79.7	82.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	87.0
≥ 2000	1.0	77.0	80.0	82.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7	87.7
≥ 1800	1.0	77.3	80.7	83.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3	88.3
≥ 1500	1.0	77.3	81.0	83.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	89.0
≥ 1200	1.0	78.3	82.3	85.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	90.3
≥ 1000	1.0	78.7	83.0	85.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	91.3
≥ 900	1.0	78.7	83.7	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.3
≥ 800	1.0	78.7	83.7	87.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.7	92.7
≥ 700	1.0	79.3	84.3	88.0	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	94.0
≥ 600	1.0	79.3	84.7	88.3	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.3
≥ 500	1.0	79.3	85.0	88.7	92.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	95.7
≥ 400	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
≥ 300	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
≥ 200	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.3	98.0	99.3
≥ 100	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.3	97.3	97.7	97.7	98.3	100.0
≥ 0	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.3	97.7	97.0	97.3	97.3	97.7	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

2

DAILY TEMPERATURES

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-82 YEARS | MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 100						.1	.4						.0
≥ 95					.1	2.1	4.5	3.1	.4				.9
≥ 90				.4	1.8	12.2	22.0	17.5	4.1	.3			4.9
≥ 85			.2	2.5	8.1	32.2	54.3	47.9	19.7	1.8	.1		14.0
≥ 80		.1	1.8	8.7	22.8	58.3	85.8	77.2	43.9	7.2	.9		25.8
≥ 75	.3	1.1	4.2	16.3	42.3	83.6	98.1	96.3	69.6	19.2	3.4	.3	36.6
≥ 70	1.8	2.3	8.7	27.7	63.8	94.6	99.8	99.5	87.8	41.5	10.7	2.6	45.5
≥ 65	4.7	4.9	16.6	43.0	82.9	98.9	100.0	100.0	96.1	63.8	22.6	6.5	53.8
≥ 60	10.0	11.5	28.0	64.7	94.7	99.8			99.4	84.5	40.2	13.6	62.7
≥ 55	18.1	20.1	42.3	84.3	99.3	100.0			100.0	95.3	59.5	24.6	70.7
≥ 50	28.0	33.4	61.8	95.4	100.0					98.8	78.3	38.0	78.2
≥ 45	41.7	49.5	78.9	99.0						99.9	90.9	57.5	85.1
≥ 40	62.9	69.3	92.2	99.9						100.0	98.2	76.9	91.8
≥ 35	78.5	85.6	97.1	100.0							99.5	88.8	95.9
≥ 30	91.2	94.5	99.6								100.0	96.8	98.5
≥ 25	97.1	98.4	99.9									99.8	99.6
≥ 20	99.2	99.7										100.0	99.9
≥ 15	99.8	100.0	100.0										100.0
≥ 10	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
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≥													
MEAN	43.6	45.5	53.6	64.1	72.8	81.0	85.2	84.1	78.0	67.7	57.2	47.2	65.0
S.D.	11.264	10.841	10.902	9.783	8.250	6.973	5.416	5.564	7.176	8.012	9.436	10.365	17.171
TOTAL OBS.	1146	1044	1178	1140	1178	1140	1168	1178	1140	1177	1138	1175	13802

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1[illegible]21	PATUXENT RIVER, MARYLAND	73-[illegible]	NOV	04
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	55.[illegible]	58.3	56.7	59.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0	62.3
≥ 20000	1.0	59.3	62.7	63.0	64.0	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	66.7
≥ 18000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 16000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 14000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	67.0
≥ 12000	1.0	59.7	63.7	64.0	65.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3	67.7
≥ 10000	1.0	61.3	65.3	65.7	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	69.7
≥ 9000	1.0	61.7	65.7	66.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	70.0
≥ 8000	1.0	65.3	70.7	71.3	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	75.3
≥ 7000	1.0	65.7	71.3	72.0	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	76.0
≥ 6000	1.0	66.0	71.7	72.3	73.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	76.3
≥ 5000	1.0	67.0	72.7	73.3	74.7	75.0	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	77.3
≥ 4500	1.0	67.3	73.0	73.7	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.7
≥ 4000	1.0	69.7	75.3	76.7	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	81.0
≥ 3500	1.0	70.3	76.0	77.3	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	81.7
≥ 3000	1.0	72.0	77.7	79.0	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	83.7
≥ 2500	1.0	73.3	79.3	80.7	82.3	82.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	85.3
≥ 2000	1.0	74.3	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1800	1.0	74.3	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1500	1.0	74.3	80.7	82.3	84.3	84.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	87.3
≥ 1200	1.0	74.3	81.0	82.7	85.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	88.3
≥ 1000	1.0	75.7	83.3	85.0	87.3	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	90.7
≥ 900	1.0	75.7	83.3	85.0	87.3	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	91.0
≥ 800	1.0	75.7	83.7	85.3	88.0	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	91.7
≥ 700	1.0	75.7	84.0	86.0	88.7	89.3	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	92.7
≥ 600	1.0	75.7	84.3	86.3	89.0	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	93.7
≥ 500	1.0	75.7	84.7	87.0	90.3	91.3	93.0	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	95.3
≥ 400	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.0	95.0	95.0	95.0	95.3	96.0	96.3	96.3	97.7
≥ 300	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.0	95.0	95.0	95.0	95.3	96.0	96.3	96.3	97.7
≥ 200	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.0	97.0	97.3	98.7
≥ 100	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.3	97.3	97.7	99.3
≥ 0	1.0	76.0	85.3	88.0	91.7	93.0	95.0	96.3	96.3	96.3	96.3	96.7	97.3	97.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

DAILY TEMPERATURES

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-82 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						2.6	15.2	11.1	2.6				2.7
≥ 70					1.4	25.8	59.1	55.9	21.4	1.2	.2		13.9
≥ 65			.2	.6	11.6	54.9	90.1	85.6	46.6	5.4	.3		24.9
≥ 60	.2		.5	4.6	34.9	82.5	98.9	98.0	73.0	19.7	2.5		34.9
≥ 55	.6	.3	1.9	13.9	61.5	97.1	100.0	99.7	92.4	40.6	8.3	.5	43.4
≥ 50	1.2	1.1	5.9	33.2	83.3	99.8		100.0	98.3	64.0	18.8	2.0	51.1
≥ 45	3.3	3.7	16.0	61.1	96.7	100.0			100.0	82.9	36.3	7.6	59.4
≥ 40	10.4	11.7	36.2	84.1	99.7					94.8	58.7	20.7	68.5
≥ 35	25.6	28.4	61.0	96.2	100.0					99.1	81.6	40.3	78.1
≥ 30	50.7	52.9	85.3	99.5						100.0	93.8	64.3	87.5
≥ 25	70.0	74.3	95.6	100.0							98.2	84.1	93.7
≥ 20	85.0	88.2	99.0								99.8	94.9	97.3
≥ 15	93.0	95.8	99.9								100.0	99.0	99.0
≥ 10	98.3	99.0	100.0									100.0	99.8
≥ 5	99.4	100.0											99.9
≥ 0	99.7												100.0
≥ 5-	100.0												100.0
MEAN	28.8	29.8	37.0	46.6	56.4	65.1	70.2	69.5	63.6	52.4	41.9	32.6	49.5
S.D.	9.152	8.462	7.786	7.167	6.573	5.694	4.266	4.393	6.364	7.818	8.520	8.182	16.458
TOTAL OBS.	1146	1044	1178	1140	1178	1140	1168	1178	1139	1177	1138	1175	13801

NAVWEASERVCOM

02

108555

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

13721	PATUXENT RIVER, MARYLAND	73-82	NOV	07
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.3	47.7	51.0	52.3	53.7	54.0	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.3
≥ 20000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 18000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 16000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 14000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
≥ 12000	3.3	52.3	57.0	58.3	59.7	60.3	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.7
≥ 10000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
≥ 9000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
≥ 8000	3.3	59.0	64.3	67.0	68.3	69.3	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.3
≥ 7000	3.3	60.0	65.3	68.3	69.7	70.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.3	73.7
≥ 6000	3.3	60.7	66.0	69.0	70.3	71.3	72.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.3
≥ 5000	3.3	61.0	66.7	69.7	71.0	72.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	75.0
≥ 4500	3.3	62.7	68.3	71.7	73.0	74.0	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.7	77.0
≥ 4000	3.3	64.0	70.3	74.7	76.0	77.0	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.7	80.0
≥ 3500	3.3	64.7	71.0	75.3	76.7	77.7	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.7
≥ 3000	3.3	65.0	71.3	75.7	77.0	78.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	81.0	81.3
≥ 2500	3.3	66.0	72.7	77.3	79.3	80.3	81.7	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.3	83.7
≥ 2000	3.3	66.3	73.7	78.3	81.3	82.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.7	86.0
≥ 1800	3.3	66.7	74.0	78.7	81.7	83.0	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.3
≥ 1500	3.3	67.0	74.3	79.7	83.0	84.3	85.7	86.3	86.7	86.7	86.7	86.7	87.0	87.0	87.7	88.0
≥ 1200	3.3	67.3	74.7	80.0	83.3	84.7	86.0	86.7	87.0	87.0	87.0	87.0	87.3	87.3	88.0	88.3
≥ 1000	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.3
≥ 900	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.3
≥ 800	3.3	68.0	75.7	81.3	85.0	87.0	88.3	89.0	89.3	89.3	89.3	89.3	89.7	89.7	90.3	90.7
≥ 700	3.3	68.0	76.0	81.7	85.7	88.0	89.3	90.3	90.7	90.7	90.7	90.7	91.0	91.0	91.7	92.0
≥ 600	3.3	68.0	76.0	82.0	86.3	89.0	90.3	91.3	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.0
≥ 500	3.3	68.0	76.0	82.0	87.0	89.7	91.3	92.7	93.0	93.0	93.0	93.0	93.3	93.3	94.0	94.3
≥ 400	3.3	68.3	76.3	82.3	87.3	90.0	91.7	93.3	93.7	93.7	94.0	94.0	94.3	94.3	95.0	95.3
≥ 300	3.3	68.7	76.3	82.3	87.3	90.3	92.3	94.3	94.7	95.3	95.7	95.7	96.0	96.3	97.0	97.3
≥ 200	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.0
≥ 100	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.7
≥ 0	3.3	68.7	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

2

DAILY TEMPERATURES

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 45-82 (YEARS)

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 90							.1						.0
≥ 85						1.6	6.9	3.8	.5				1.1
≥ 80					1.2	16.3	37.9	31.4	9.0	.5			8.1
≥ 75			.1	.9	7.8	44.0	76.6	70.7	31.6	2.3	.2		19.7
≥ 70	.1		.8	5.7	26.2	72.4	97.4	94.2	60.4	10.4	1.2		31.0
≥ 65	.3	.3	2.4	14.8	51.5	93.2	100.0	99.7	84.1	28.4	4.3	.3	40.3
≥ 60	1.3	1.5	7.0	29.5	77.4	99.2		100.0	96.3	55.5	13.6	2.3	49.1
≥ 55	3.9	3.7	16.2	52.8	92.8	100.0			99.6	77.8	30.1	6.0	57.4
≥ 50	9.7	10.3	29.6	76.8	99.4				100.0	92.4	48.9	15.1	65.7
≥ 45	20.1	22.7	51.7	93.3	100.0					98.6	72.5	30.0	74.5
≥ 40	35.5	42.0	75.9	99.0						99.9	89.5	51.5	83.1
≥ 35	58.5	65.0	91.4	99.9						100.0	97.4	73.7	90.7
≥ 30	76.5	82.4	97.1	100.0							99.3	88.2	95.4
≥ 25	89.1	92.7	99.5								100.0	97.1	98.3
≥ 20	96.1	98.0	99.9									99.8	99.5
≥ 15	99.1	99.7	100.0									100.0	99.9
≥ 10	99.6	100.0											100.0
≥ 5	100.0												100.0
≥													
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MEAN	36.5	37.9	45.5	55.6	64.8	73.3	77.9	77.0	71.1	60.3	49.8	40.2	57.5
S.D.	9.729	9.109	8.848	7.916	6.904	5.904	4.395	4.545	6.317	7.359	8.486	8.826	16.565
TOTAL OBS.	1146	1044	1178	1140	1178	1140	1168	1178	1139	1177	1138	1175	13801

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17701	PATUXENT RIVER, MARYLAND	73-92	NOV	10
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	52.1	55.9	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	4.0	55.9	59.9	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2
≥ 18000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 16000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 14000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 12000	4.0	55.9	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 10000	4.0	58.9	62.9	64.9	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2
≥ 9000	4.0	59.2	63.2	65.2	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
≥ 8000	4.0	64.9	68.9	70.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.6
≥ 7000	4.0	66.2	70.6	73.2	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
≥ 6000	4.0	66.6	70.9	73.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.6
≥ 5000	4.0	66.2	72.9	75.9	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6
≥ 4500	4.0	69.9	74.6	78.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
≥ 4000	4.0	70.9	75.6	79.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.3
≥ 3500	4.0	71.9	76.6	80.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
≥ 3000	4.0	72.9	77.9	82.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3
≥ 2500	4.0	73.9	79.9	83.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3
≥ 2000	4.0	75.3	80.3	85.0	86.0	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
≥ 1800	4.0	75.6	81.6	85.3	86.3	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.0
≥ 1500	4.0	76.3	81.3	86.3	88.0	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6
≥ 1200	4.0	76.3	81.3	86.3	88.3	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
≥ 1000	4.0	76.3	81.3	86.6	88.6	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3
≥ 900	4.0	76.3	81.3	87.0	89.3	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0
≥ 800	4.0	76.3	81.3	87.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
≥ 700	4.0	76.3	81.3	87.0	89.6	90.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
≥ 600	4.0	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
≥ 500	4.0	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.3
≥ 400	4.0	76.6	81.6	87.6	90.3	92.0	93.7	95.0	95.0	95.7	95.7	95.7	96.0	96.0	96.0	96.3
≥ 300	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	96.7	96.7	97.3	97.7	98.3	98.7
≥ 200	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	99.7
≥ 100	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	100.0
0	4.0	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	96.3	97.0	97.0	97.7	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1946-1982	JANUARY

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	38.1	3.4	45.0	7.2	67	19.4	1966	31.1	-.5	16	-8.9	1977
2	36.9	2.7	43.8	6.6	62	16.7	1979*	30.1	-1.1	14	-10.0	1968
3	38.0	3.3	45.4	7.4	66	18.9	1951	30.6	-.8	12	-11.1	1979
4	37.5	3.1	44.7	7.1	72	22.2	1950	30.3	-.9	12	-11.1	1981
5	36.1	2.3	43.2	6.2	74	23.3	1950	28.9	-1.7	10	-12.2	1969
6	37.6	3.1	44.8	7.1	71	21.7	1950	30.4	-.9	11	-11.7	1959
7	37.8	3.2	44.9	7.2	66	18.9	1950*	30.7	-.7	15	-9.4	1977*
8	34.9	1.6	41.4	5.2	64	17.8	1965	28.5	-1.9	5	-15.0	1970
9	35.4	1.9	42.6	5.9	67	19.4	1969	28.1	-2.2	5	-15.0	1970
10	35.1	1.7	42.2	5.7	70	21.1	1950	28.0	-2.2	4	-15.6	1970
11	34.6	1.4	41.2	5.1	68	20.0	1975	28.1	-2.2	6	-14.4	1982
12	33.5	.8	40.5	4.7	60	15.6	1963	26.4	-3.1	9	-12.8	1968
13	34.6	1.4	41.5	5.3	66	18.9	1972	27.7	-2.4	7	-13.9	1981
14	36.3	2.4	43.5	6.4	70	21.1	1950	29.1	-1.6	14	-10.0	1964
15	36.2	2.3	43.4	6.3	74	23.3	1952	29.1	-1.6	10	-12.2	1982
16	34.6	1.4	42.3	5.7	72	22.2	1953	26.8	-2.9	2	-16.7	1977
17	34.0	1.1	40.5	4.7	64	17.8	1949	27.5	-2.5	11	-11.7	1972
18	34.6	1.4	42.2	5.7	64	17.8	1951*	27.0	-2.8	7	-13.9	1982
19	35.6	2.0	42.9	6.1	69	20.6	1951	28.2	-2.1	6	-14.4	1977
20	36.4	2.4	43.5	6.4	71	21.7	1951	29.2	-1.6	10	-12.2	1967
21	37.0	2.8	45.1	7.3	69	20.6	1959	28.9	-1.7	6	-14.4	1970
22	37.0	2.8	44.7	7.1	65	18.3	1959	29.2	-1.6	10	-12.2	1970
23	37.3	2.9	45.4	7.4	75	23.9	1974	29.2	-1.6	15	-9.4	1977
24	36.6	2.6	44.2	6.8	72	22.2	1950	29.1	-1.6	9	-12.8	1963
25	38.6	3.7	46.4	8.0	77	25.0	1950	30.8	-.7	12	-11.1	1961
26	39.7	4.3	48.0	8.9	78	25.6	1950	31.5	-.3	13	-10.6	1982
27	38.1	3.4	46.3	7.9	75	23.9	1974	29.9	-1.2	12	-11.1	1982*
28	36.0	2.2	43.9	6.6	72	22.2	1949	28.2	-2.1	12	-11.1	1977*
29	35.8	2.1	43.9	6.6	74	23.3	1975	27.7	-2.4	4	-15.6	1977
30	36.1	2.3	43.7	6.5	72	22.2	1947	28.4	-2.0	10	-12.2	1977
31	34.1	1.2	41.2	5.1	70	21.1	1947	26.9	-2.8	10	-12.2	1948
Monthly	36.3	2.4	43.6	6.4	78	25.6	1950	28.9	-1.7	2	-16.7	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] 1 | PATUXENT RIVER, MARYLAND | 73-82 | NOV

STATION | STATION NAME | YEARS | MONTH

13

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	48.[illegible]	51.[illegible]	51.3	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	4.[illegible]	56.[illegible]	59.7	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	4.[illegible]	56.[illegible]	59.3	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	4.[illegible]	56.[illegible]	59.3	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	4.0	56.7	60.0	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	4.0	57.0	60.3	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	4.[illegible]	60.7	64.0	65.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	4.[illegible]	61.0	64.3	65.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	4.[illegible]	65.7	69.0	70.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	4.[illegible]	66.3	70.0	71.7	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	4.0	67.0	70.7	72.3	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7
≥ 5000	4.[illegible]	66.0	71.7	73.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0
≥ 4500	4.[illegible]	69.3	73.0	75.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7
≥ 4000	4.[illegible]	73.0	77.0	79.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3
≥ 3500	4.3	73.7	78.3	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3
≥ 3000	4.3	77.0	82.0	84.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	88.3
≥ 2500	4.3	77.7	83.0	85.7	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3
≥ 2000	4.3	78.0	83.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7
≥ 1800	4.3	78.0	83.7	86.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 1500	4.3	78.7	84.7	87.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 1200	4.3	78.7	84.7	88.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0
≥ 1000	4.3	78.7	84.7	88.3	91.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.0
≥ 900	4.3	78.7	85.0	89.0	92.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 800	4.3	78.7	85.3	89.3	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700	4.3	78.7	85.3	89.3	92.7	93.3	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600	4.3	78.7	85.3	89.7	93.0	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7
≥ 500	4.3	78.7	85.7	90.0	94.3	95.0	96.3	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.7	97.7
≥ 400	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.3	98.0	99.0	99.3	99.3	99.3	99.3	99.7	99.7
≥ 300	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.3	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0
≥ 0	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	99.0	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

1

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1946-1982	FEBRUARY

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	35.5	1.9	43.0	6.1	62	16.7	1982	28.0	-2.2	9	-12.8	1965
2	35.4	1.9	42.1	5.6	70	21.1	1967	28.6	-1.9	9	-12.8	1971
3	33.4	.8	40.6	4.8	58	14.4	1982	26.2	-3.2	12	-11.1	1965
4	34.3	1.3	42.2	5.7	62	16.7	1976	26.4	-3.1	12	-11.1	1981*
5	34.4	1.3	41.7	5.4	62	16.7	1964	27.2	-2.7	8	-13.3	1947
6	36.9	2.7	44.9	7.2	60	15.6	1960	29.0	-1.7	11	-11.7	1977
7	36.3	2.4	43.4	6.3	58	14.4	1965*	29.1	-1.6	11	-11.7	1977
8	34.6	1.4	41.9	5.5	66	18.9	1965	27.3	-2.6	11	-11.7	1977
9	35.1	1.7	42.4	5.8	66	18.9	1949	27.8	-2.3	14	-10.0	1977*
10	36.2	2.3	44.3	6.8	70	21.1	1959	28.1	-2.2	9	-12.8	1979
11	36.7	2.6	45.2	7.3	66	18.9	1977*	28.2	-2.1	7	-13.9	1979
12	34.9	1.6	42.4	5.8	65	18.3	1965	27.4	-2.6	9	-12.8	1979
13	37.1	2.8	44.9	7.2	71	21.7	1949	29.4	-1.4	11	-11.7	1979
14	38.2	3.4	47.7	8.7	68	20.0	1946	28.7	-1.8	10	-12.2	1979
15	39.2	4.0	46.9	8.3	76	24.4	1954	31.5	-.3	18	-7.8	1969*
16	38.7	3.7	46.6	8.1	76	24.4	1976*	30.8	-.7	13	-10.6	1963
17	37.8	3.2	44.9	7.2	80	26.7	1976	30.8	-.7	7	-13.9	1958
18	38.1	3.4	46.2	7.9	77	25.0	1976	30.0	-1.1	6	-14.4	1979
19	39.6	4.2	47.6	8.7	72	22.2	1961	31.5	-.3	14	-10.0	1979
20	37.9	3.3	45.6	7.6	68	20.0	1971	30.2	-1.0	6	-14.4	1979
21	37.9	3.3	45.8	7.7	67	19.4	1953	30.0	-1.1	10	-12.2	1968
22	39.5	4.2	47.7	8.7	70	21.1	1974	31.3	-.4	10	-12.2	1963
23	39.4	4.1	47.4	8.6	73	22.8	1977	31.4	-.3	15	-9.4	1963
24	40.2	4.6	48.5	9.2	65	18.3	1975	31.9	-.1	18	-7.8	1947
25	41.3	5.2	49.5	9.7	74	23.3	1977	33.1	.6	12	-11.1	1967
26	40.8	4.9	48.6	9.2	72	22.2	1946	33.0	.6	10	-12.2	1970
27	40.9	4.9	49.3	9.6	74	23.3	1977*	32.5	.3	14	-10.0	1963
28	42.4	5.8	51.6	10.9	78	25.6	1948	33.1	.6	21	-6.1	1950
29	41.1	5.1	49.6	9.8	77	25.0	1976*	32.7	.4	19	-7.2	1980
30												
31												
Monthly	37.6	3.1	45.5	7.5	80	26.7	1976	29.8	-1.2	6	-14.4	1979

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	47.3	48.7	49.3	49.3	49.7	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	4.0	57.3	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	4.0	57.3	59.3	60.0	60.0	60.3	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	4.0	62.0	64.3	65.0	66.0	66.3	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	4.0	62.7	65.0	65.7	66.7	67.0	67.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	4.0	69.3	73.0	73.7	75.0	75.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	4.0	70.3	74.0	74.7	76.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	4.0	70.7	74.3	75.0	76.7	77.0	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	4.0	72.0	76.0	76.7	78.3	78.7	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	4.0	73.3	77.7	78.7	80.3	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	4.0	76.3	81.7	83.0	84.7	85.3	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	4.0	77.3	82.7	84.3	86.0	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	4.0	78.3	84.0	86.3	88.3	89.0	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	4.0	78.3	84.0	86.7	89.0	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	4.0	78.3	84.3	87.0	89.3	90.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	4.0	79.0	85.0	87.7	90.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	4.0	79.7	85.7	88.3	91.0	92.0	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	4.0	79.7	86.0	88.7	91.3	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	4.0	80.0	86.3	89.0	91.7	93.0	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	4.0	80.0	86.3	89.3	92.0	93.3	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	4.0	80.0	86.3	89.7	92.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	4.0	80.0	86.3	90.0	92.7	94.0	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	4.0	80.0	86.3	90.0	92.7	94.0	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	4.0	80.3	86.7	90.3	93.3	94.7	96.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	4.0	80.3	87.0	90.7	93.7	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	99.7
≥ 100	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	100.0
≥ 0	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	MARCH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	40.4	4.7	48.1	8.9	78	25.6	1976*	32.8	.4	13	-10.6	1980
2	40.9	4.9	49.0	9.4	80	26.7	1972	32.8	.4	15	-9.4	1980
3	41.1	5.1	48.5	9.2	73	22.8	1967	33.6	.9	17	-8.3	1980*
4	41.9	5.5	49.7	9.8	80	26.7	1974	34.2	1.2	20	-6.7	1980*
5	44.2	6.8	52.5	11.4	81	27.2	1976	36.0	2.2	17	-8.3	1978
6	44.2	6.8	52.7	11.5	82	27.8	1961	35.8	2.1	20	-6.7	1960*
7	42.7	5.9	50.7	10.4	74	23.3	1946	34.7	1.5	20	-6.7	1960
8	42.1	5.6	50.5	10.3	70	21.1	1980*	33.7	.9	19	-7.2	1960
9	41.8	5.4	50.4	10.2	80	26.7	1964	33.3	.7	19	-7.2	1960
10	44.1	6.7	52.2	11.2	78	25.6	1964	35.9	2.2	24	-4.4	1960
11	43.6	6.4	51.9	11.1	79	26.1	1967	35.3	1.8	16	-8.9	1960
12	44.5	6.9	52.8	11.6	76	24.4	1973	36.1	2.3	21	-6.1	1969*
13	45.1	7.3	53.6	12.0	73	22.8	1982*	36.5	2.5	21	-6.1	1960
14	45.5	7.5	54.0	12.2	77	25.0	1967	37.0	2.8	21	-6.1	1968
15	45.6	7.6	54.6	12.6	77	25.0	1973	36.7	2.6	23	-5.0	1970
16	45.0	7.2	53.3	11.8	85	29.4	1945	36.7	2.6	24	-4.4	1979*
17	44.3	6.8	52.6	11.4	80	26.7	1945	36.1	2.3	24	-4.4	1981*
18	43.1	6.2	50.1	10.1	68	20.0	1966	36.2	2.3	20	-6.7	1967
19	44.7	7.1	52.4	11.3	83	28.3	1945	37.1	2.8	15	-9.4	1967
20	45.8	7.7	53.4	11.9	83	28.3	1945	38.2	3.4	25	-3.9	1981*
21	47.4	8.6	56.1	13.4	85	29.4	1948	38.8	3.8	19	-7.2	1965
22	47.2	8.4	55.7	13.2	84	28.9	1948	38.7	3.7	28	-2.2	1981*
23	47.3	8.5	56.4	13.6	70	21.1	1965*	38.1	3.4	28	-2.2	1960
24	48.1	8.9	57.2	14.0	69	20.0	1955	39.0	3.9	28	-2.2	1971
25	46.8	8.2	54.6	12.6	72	22.2	1963	38.9	3.8	26	-3.3	1956
26	47.5	8.6	56.2	13.4	78	25.6	1964	38.8	3.8	27	-2.8	1974
27	48.1	8.9	56.4	13.6	82	27.8	1949	39.8	4.3	24	-4.4	1955
28	48.8	9.3	57.1	13.9	80	26.7	1945	40.4	4.7	25	-3.9	1982
29	51.2	10.7	60.9	16.1	84	28.9	1945	41.5	5.3	27	-2.8	1982*
30	51.0	10.6	58.8	14.9	83	28.3	1977	43.2	6.2	32	.0	1970*
31	49.6	9.8	57.6	14.2	84	28.9	1979	41.6	5.3	26	-3.3	1964
Monthly	45.3	7.4	53.6	12.0	85	29.4	1948*	37.0	2.8	13	-10.6	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

17721	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	51.7	53.3	54.7	55.7	55.7	56.3	56.3	56.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	.3	58.7	60.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	.3	58.7	60.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	.3	58.7	61.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	.3	59.3	60.7	62.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.3	59.3	61.0	62.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	.3	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	.3	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	.3	69.3	71.7	74.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	.3	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	.3	70.3	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	.3	70.7	73.3	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	.3	72.7	75.3	78.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	.3	75.7	78.7	82.0	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	.3	75.7	79.0	82.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	.3	78.0	81.7	85.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	.3	78.3	81.7	85.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	.3	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	.3	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	.3	78.3	82.7	88.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	.3	78.3	83.7	89.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	.3	79.7	84.3	90.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	.3	79.7	84.3	90.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	.3	79.3	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	.3	79.0	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	.3	79.0	84.3	90.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	.3	79.0	84.3	90.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	.3	79.0	84.3	90.7	95.0	95.3	96.7	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7
≥ 300	.3	79.0	84.3	90.7	95.3	95.7	97.0	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0
≥ 200	.3	79.0	84.3	90.7	95.3	95.7	97.3	98.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	99.7
≥ 100	.3	79.0	84.3	90.7	95.3	95.7	97.3	98.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	100.0
≥ 0	.3	79.0	84.3	90.7	95.3	95.7	97.3	99.0	98.0	98.7	99.0	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	APRIL

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	51.0	10.6	60.1	15.6	86	30.0	1978	41.9	5.5	28	-2.2	1969
2	54.5	12.5	64.4	18.0	84	28.9	1969	44.5	6.9	32	.0	1964
3	53.6	12.0	63.2	17.3	90	32.2	1967	44.1	6.7	31	-.6	1961
4	52.2	11.2	60.7	15.9	84	28.9	1956	43.7	6.5	29	-1.7	1954
5	52.1	11.2	61.3	16.3	78	25.6	1969	42.8	6.0	31	-.6	1975
6	51.4	10.8	59.5	15.3	84	28.9	1947	43.2	6.2	29	-1.7	1982
7	50.7	10.4	59.6	15.3	78	25.6	1947	41.8	5.4	27	-2.8	1982
8	52.2	11.2	60.9	16.1	86	30.0	1954	43.4	6.3	30	-1.1	1982*
9	51.5	10.8	60.2	15.7	87	30.6	1959	42.8	6.0	31	-.6	1982*
10	51.7	10.9	60.1	15.6	81	27.2	1969*	43.3	6.3	34	1.1	1977
11	53.0	11.7	62.1	16.7	83	28.3	1978	43.9	6.6	33	.6	1960
12	53.9	12.2	62.6	17.0	85	29.4	1965	45.3	7.4	32	.0	1982
13	52.9	11.6	61.2	16.2	83	28.3	1977	44.6	7.0	31	-.6	1950
14	54.9	12.7	63.5	17.5	87	30.6	1960	46.3	7.9	26	-3.3	1950
15	55.3	12.9	64.0	17.8	88	31.1	1967	46.6	8.1	32	.0	1950
16	54.8	12.7	63.8	17.7	84	28.9	1976	45.8	7.7	35	1.7	1950
17	56.0	13.3	64.9	18.3	87	30.6	1976	47.2	8.4	31	-.6	1980
18	58.0	14.4	68.0	20.0	90	32.2	1964	48.0	8.9	34	1.1	1951
19	58.8	14.9	68.1	20.1	86	30.0	1972	49.6	9.8	36	2.2	1956
20	57.4	14.1	66.2	19.0	84	28.9	1952	48.6	9.2	32	.0	1953
21	57.3	14.1	66.7	19.3	84	28.9	1957	48.0	8.9	34	1.1	1956
22	58.9	14.9	67.6	19.8	89	31.7	1973	50.1	10.1	36	2.2	1953
23	60.2	15.7	69.1	20.6	87	30.6	1952	51.4	10.8	40	4.4	1978*
24	59.4	15.2	68.3	20.2	84	28.9	1960*	50.6	10.3	37	2.8	1956
25	59.0	15.0	67.2	19.6	91	32.8	1960	50.8	10.4	37	2.8	1956
26	58.6	14.8	66.7	19.3	84	28.9	1951	50.5	10.3	41	5.0	1978
27	57.3	14.1	64.7	18.2	91	32.8	1969	50.0	10.0	40	4.4	1978
28	56.9	13.8	64.6	18.1	85	29.4	1956	49.2	9.6	38	3.3	1946
29	57.9	14.4	65.8	18.8	91	32.8	1974	50.0	10.0	38	3.3	1982
30	58.9	14.9	67.2	19.6	85	29.4	1974	50.7	10.4	42	5.6	1961
31												
Monthly	55.4	13.0	64.1	17.8	91	32.8	1974*	46.6	8.1	26	-3.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PATUXENT RIVER, MARYLAND 73- [illegible] NOV

STATION STATION NAME YEARS MONTH

22

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	54.3	56.7	57.0	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	.3	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	.3	62.0	64.0	65.3	66.3	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.3	62.0	64.0	65.3	66.3	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	.3	67.3	69.3	71.0	72.3	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.3
≥ 7000	.3	70.0	72.3	74.0	75.3	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 6000	.3	70.3	72.7	74.3	75.7	76.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7
≥ 5000	.3	71.3	73.7	75.3	76.7	77.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.7
≥ 4500	.3	73.0	75.3	77.0	78.3	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3
≥ 4000	.3	74.7	77.3	79.3	80.7	81.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 3500	.3	76.0	79.3	81.3	82.7	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7
≥ 3000	.3	78.0	81.7	83.7	85.0	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 2500	.3	78.3	82.0	84.0	85.7	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7
≥ 2000	.3	79.0	82.7	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1800	.3	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1500	.3	79.0	83.3	85.3	87.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3
≥ 1200	.3	79.3	83.3	85.7	87.7	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 1000	.3	79.3	83.7	86.7	89.0	90.0	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 900	.3	79.3	84.3	87.3	89.7	90.7	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3
≥ 800	.3	79.7	84.7	87.7	90.0	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7
≥ 700	.3	79.7	85.0	88.0	90.7	91.7	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3
≥ 600	.3	79.7	85.3	88.0	90.7	92.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
≥ 500	.3	79.7	85.3	88.3	91.0	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
≥ 400	.3	79.7	85.3	88.7	91.3	93.7	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0
≥ 300	.3	79.7	85.3	88.7	91.3	93.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3
≥ 200	.3	79.7	85.3	88.7	91.7	94.0	95.0	96.7	96.7	97.3	97.7	97.7	98.0	98.0	98.3	99.0
≥ 100	.3	79.7	85.3	88.7	91.7	94.3	95.3	97.3	97.7	98.0	98.7	98.7	99.0	99.0	99.3	100.0
0	.3	79.7	85.3	88.7	91.7	94.3	95.3	97.3	97.7	98.0	98.7	98.7	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	MAY

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	59.9	15.5	67.6	19.8	84	28.9	1953	52.2	11.2	44	6.7	1978*
2	60.4	15.8	68.3	20.2	87	30.6	1973	52.6	11.4	40	4.4	1978
3	60.8	16.0	69.4	20.8	86	30.0	1973*	52.1	11.2	42	5.6	1966
4	60.1	15.6	68.6	20.3	86	30.0	1965	51.7	10.9	42	5.6	1957
5	60.4	15.8	69.3	20.7	87	30.6	1980*	51.4	10.8	44	6.7	1966*
6	62.0	16.7	71.0	21.7	89	31.7	1966	52.9	11.6	44	6.7	1968
7	61.6	16.4	69.8	21.0	87	30.6	1949	53.3	11.8	41	5.0	1970
8	61.6	16.4	70.1	21.2	91	32.8	1963	53.1	11.7	40	4.4	1947
9	61.9	16.6	71.3	21.8	94	34.4	1964*	52.4	11.3	39	3.9	1977*
10	63.6	17.6	72.5	22.5	93	33.9	1963	54.7	12.6	36	2.2	1966
11	64.1	17.8	72.5	22.5	85	29.4	1965	55.7	13.2	40	4.4	1966
12	64.3	17.9	72.8	22.7	90	32.2	1959	55.7	13.2	44	6.7	1969
13	64.5	18.1	72.9	22.7	91	32.8	1956	56.2	13.4	45	7.2	1981
14	63.5	17.5	71.8	22.1	93	33.9	1956	55.2	12.9	47	8.3	1960
15	64.4	18.0	72.5	22.5	89	31.7	1957	56.3	13.5	47	8.3	1959
16	64.0	17.8	72.2	22.3	86	30.0	1945	55.8	13.2	45	7.2	1959
17	65.4	18.6	74.2	23.4	90	32.2	1974	56.7	13.7	43	6.1	1967
18	65.8	18.8	74.2	23.4	89	31.7	1947	57.4	14.1	43	6.1	1973
19	66.5	19.2	74.8	23.8	90	32.2	1964*	58.1	14.5	44	6.7	1976
20	66.4	19.1	73.9	23.3	88	31.1	1947	58.8	14.9	48	8.9	1950
21	66.4	19.1	73.9	23.3	85	29.4	1962	58.8	14.9	45	7.2	1950
22	67.0	19.4	75.6	24.2	88	31.1	1959	58.5	14.7	48	8.9	1967
23	68.2	20.1	76.7	24.8	94	34.4	1964	59.8	15.4	49	9.4	1967
24	67.0	19.4	75.0	23.9	94	34.4	1964	59.0	15.0	47	8.3	1963
25	67.6	19.8	75.3	24.1	90	32.2	1981	59.8	15.4	47	8.3	1956
26	66.9	19.4	74.6	23.7	91	32.8	1965*	59.3	15.2	48	8.9	1967
27	66.8	19.3	74.7	23.7	97	36.1	1965	59.0	15.0	48	8.9	1976*
28	66.9	19.4	74.3	23.5	87	30.6	1965	59.6	15.3	48	8.9	1961
29	67.7	19.8	75.2	24.0	93	33.9	1969	60.3	15.7	51	10.6	1946
30	67.7	19.8	74.7	23.7	92	33.3	1969	60.7	15.9	52	11.1	1946
31	68.6	20.3	75.9	24.4	91	32.8	1956	61.3	16.3	47	8.3	1967
Monthly	64.6	18.1	72.8	22.7	97	36.1	1965	56.4	13.6	36	2.2	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | NOV

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.1	51.4	54.3	55.2	56.1	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 20000	2.3	57.4	60.1	61.2	62.0	62.3	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.4
≥ 18000	2.3	57.4	60.2	61.3	62.2	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.6
≥ 16000	2.3	57.4	60.2	61.3	62.2	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.6
≥ 14000	2.3	57.5	60.3	61.4	62.3	62.5	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.7
≥ 12000	2.3	57.8	60.6	61.7	62.6	62.8	63.2	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.6	64.0
≥ 10000	2.3	58.1	64.0	65.4	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.2
≥ 9000	2.3	61.1	64.2	65.6	66.9	67.2	67.6	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.4
≥ 8000	2.3	66.1	69.7	71.5	73.0	73.3	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.7
≥ 7000	2.3	67.3	71.1	73.0	74.6	74.9	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.9	76.4
≥ 6000	2.3	67.7	71.5	73.5	75.2	75.3	75.9	76.2	76.1	76.1	76.1	76.1	76.2	76.2	76.3	76.7
≥ 5000	2.3	68.7	72.6	74.5	76.1	76.4	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.9
≥ 4500	2.3	70.1	73.9	76.1	77.8	78.1	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.5
≥ 4000	2.3	72.1	75.4	79.0	80.8	81.1	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.6
≥ 3500	2.3	73.1	77.5	80.1	82.0	82.3	82.8	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.3	83.7
≥ 3000	2.3	74.6	79.3	82.1	84.1	84.4	85.0	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.6	86.0
≥ 2500	2.3	75.3	80.3	83.2	85.5	85.6	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.9	87.3
≥ 2000	2.3	75.7	81.9	84.2	86.5	87.0	87.6	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.2	88.6
≥ 1800	2.3	76.1	81.2	84.5	86.8	87.3	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	89.0
≥ 1500	2.3	76.2	81.7	85.2	87.8	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.6	90.0
≥ 1200	2.3	76.7	82.1	85.7	88.4	89.3	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.3	90.7
≥ 1000	2.3	76.9	82.7	86.5	89.4	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.5	91.9
≥ 900	2.3	76.9	83.0	86.9	89.9	90.6	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.5
≥ 800	2.3	77.0	83.1	87.2	90.3	91.1	92.0	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.6	93.1
≥ 700	2.3	77.1	83.3	87.6	90.8	91.7	92.7	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.4	93.8
≥ 600	2.3	77.1	83.4	87.7	91.0	92.2	93.2	93.7	93.9	93.8	93.8	93.8	93.9	93.9	94.1	94.5
≥ 500	2.3	77.1	83.6	88.0	91.6	92.9	94.1	94.8	94.8	95.0	95.0	95.1	95.2	95.2	95.4	95.8
≥ 400	2.3	77.2	83.9	88.5	92.2	93.8	95.1	96.1	96.2	96.5	96.6	96.7	96.8	96.8	97.0	97.4
≥ 300	2.3	77.2	83.9	88.5	92.2	93.9	95.4	96.5	96.5	97.0	97.2	97.3	97.4	97.5	97.8	98.3
≥ 200	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.8	96.9	97.5	97.8	97.9	98.1	98.2	98.7	99.4
≥ 100	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	99.9
0	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2389

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	JUNE

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	69.5	20.8	77.5	25.3	90	32.2	1951	61.5	16.4	45	7.2	1967
2	70.1	21.2	78.2	25.7	94	34.4	1951	62.0	16.7	48	8.9	1953
3	68.9	20.5	76.4	24.7	89	31.7	1980	61.4	16.3	52	11.1	1967*
4	68.6	20.3	76.4	24.7	90	32.2	1981	60.7	15.9	53	11.7	1976
5	69.6	20.9	77.9	25.5	89	31.7	1953	61.4	16.3	50	10.0	1945
6	71.0	21.7	79.4	26.3	92	33.3	1952	62.6	17.0	51	10.6	1945
7	71.7	22.1	79.8	26.6	94	34.4	1980	63.5	17.5	54	12.2	1945
8	71.4	21.9	79.7	26.5	92	33.3	1965	63.2	17.3	51	10.6	1977
9	72.1	22.3	80.2	26.8	95	35.0	1952	64.1	17.8	53	11.7	1980
10	72.5	22.5	80.9	27.2	101	38.3	1964	64.1	17.8	54	12.2	1972
11	72.4	22.4	80.6	27.0	91	32.8	1958	64.2	17.9	50	10.0	1972
12	72.9	22.7	81.1	27.3	90	32.2	1970*	64.7	18.2	53	11.7	1979
13	72.8	22.7	80.4	26.9	93	33.9	1956	65.1	18.4	53	11.7	1980
14	72.3	22.4	80.1	26.7	93	33.9	1964	64.5	18.1	52	11.1	1979
15	72.8	22.7	80.9	27.2	99	37.2	1964	64.8	18.2	55	12.8	1978
16	72.6	22.6	80.5	26.9	95	35.0	1981	64.8	18.2	54	12.2	1965
17	71.8	22.1	79.2	26.2	94	34.4	1952	64.4	18.0	53	11.7	1959
18	72.3	22.4	80.0	26.7	95	35.0	1957	64.7	18.2	55	12.8	1965
19	73.3	22.9	81.3	27.4	96	35.6	1952	65.2	18.4	56	13.3	1980*
20	73.5	23.1	80.9	27.2	97	36.1	1964	66.1	18.9	56	13.3	1979
21	74.1	23.4	81.7	27.6	90	32.2	1964*	66.4	19.1	56	13.3	1979
22	74.5	23.6	82.2	27.9	95	35.0	1981	66.9	19.4	56	13.3	1963
23	75.0	23.9	82.8	28.2	93	33.9	1969	67.1	19.5	56	13.3	1947
24	75.9	24.4	84.3	29.1	95	35.0	1950*	67.5	19.7	55	12.8	1972
25	76.5	24.7	84.7	29.3	95	35.0	1981*	68.4	20.2	57	13.9	1979
26	76.1	24.5	83.9	28.8	99	37.2	1952	68.2	20.1	53	11.7	1979
27	76.2	24.6	84.6	29.2	97	36.1	1952	67.9	19.9	53	11.7	1979
28	76.2	24.6	84.1	28.9	98	36.7	1969	68.3	20.2	58	14.4	1979*
29	77.1	25.1	85.4	29.7	99	37.2	1959	68.7	20.4	58	14.4	1974
30	77.8	25.4	86.1	30.1	97	36.1	1945	69.5	20.8	62	16.7	1981*
31												
Monthly	73.0	22.8	81.0	27.2	101	38.3	1964	65.1	18.4	45	7.2	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	JULY

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	78.1	25.6	85.8	29.9	96	35.6	1953	70.4	21.3	62	16.7	1972*
2	77.4	25.2	85.8	29.9	100	37.8	1953	69.1	20.6	55	12.8	1952
3	78.0	25.6	86.2	30.1	100	37.8	1954	69.7	20.9	62	16.7	1978*
4	76.6	24.8	84.4	29.1	99	37.2	1970	68.7	20.4	58	14.4	1967
5	76.7	24.8	84.9	29.4	97	36.1	1980	68.5	20.3	58	14.4	1967
6	76.1	24.5	83.8	28.8	95	35.0	1949	68.4	20.2	57	13.9	1979
7	76.1	24.5	83.7	28.7	94	34.4	1966	68.6	20.3	58	14.4	1972
8	76.6	24.8	84.2	29.0	96	35.6	1982	69.0	20.6	56	13.3	1972
9	76.7	24.8	84.0	28.9	95	35.0	1981	69.3	20.7	59	15.0	1963
10	76.7	24.8	84.2	29.0	95	35.0	1966	69.3	20.7	59	15.0	1963
11	76.0	24.4	83.1	28.4	97	36.1	1966	68.9	20.5	59	15.0	1963
12	76.4	24.7	84.1	28.9	96	35.6	1966	68.6	20.3	60	15.6	1978*
13	77.2	25.1	85.0	29.4	97	36.1	1954	69.5	20.8	57	13.9	1978
14	78.0	25.6	85.2	29.6	94	34.4	1966*	70.8	21.6	62	16.7	1963
15	77.6	25.3	84.9	29.4	93	33.9	1952	70.3	21.3	64	17.8	1976
16	77.9	25.5	84.9	29.4	101	38.3	1980	70.8	21.6	64	17.8	1967
17	78.1	25.6	85.7	29.8	103	39.4	1980	70.6	21.4	61	16.1	1946
18	78.6	25.9	86.2	30.1	96	35.6	1963	70.9	21.6	64	17.8	1976*
19	79.4	26.3	87.4	30.8	95	35.0	1963*	71.4	21.9	63	17.2	1976
20	78.9	26.1	85.9	29.9	99	37.2	1980	71.8	22.1	64	17.8	1965
21	78.5	25.8	86.1	30.1	98	36.7	1980*	70.9	21.6	61	16.1	1965
22	78.7	25.9	86.3	30.2	98	36.7	1952	71.2	21.8	62	16.7	1965
23	78.5	25.8	85.9	29.9	100	37.8	1952	71.1	21.7	61	16.1	1947
24	77.6	25.3	85.1	29.5	99	37.2	1968	70.2	21.2	60	15.6	1981
25	77.7	25.4	85.1	29.5	95	35.0	1965	70.3	21.3	62	16.7	1947
26	77.9	25.5	85.0	29.4	96	35.6	1982*	70.7	21.5	61	16.1	1976
27	78.8	26.0	86.2	30.1	96	35.6	1963	71.3	21.8	62	16.7	1962
28	78.5	25.8	86.0	30.0	98	36.7	1966	72.1	22.3	57	13.9	1977

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	AUGUST

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	78.4	25.8	86.1	30.1	97	36.1	1968	70.8	21.6	62	16.7	1981
2	77.7	25.4	85.2	29.6	96	35.6	1955	70.3	21.3	63	17.2	1981
3	77.7	25.4	84.9	29.4	97	36.1	1980	70.4	21.3	60	15.6	1965
4	77.3	25.2	84.2	29.0	97	36.1	1963	70.4	21.3	60	15.6	1976
5	76.7	24.8	83.9	28.8	96	35.6	1977	69.4	20.8	60	15.6	1951
6	76.5	24.7	83.8	28.8	97	36.1	1977*	69.2	20.7	59	15.0	1951
7	76.9	24.9	84.1	28.9	97	36.1	1977	69.8	21.0	61	16.1	1948
8	77.5	25.3	84.8	29.3	95	35.0	1980	70.2	21.2	62	16.7	1950
9	78.1	25.6	85.4	29.7	94	34.4	1980	70.7	21.5	60	15.6	1964
10	78.2	25.7	85.7	29.8	95	35.0	1977	70.7	21.5	63	17.2	1976*
11	77.6	25.3	84.8	29.3	95	35.0	1980*	70.3	21.3	59	15.0	1972
12	76.2	24.6	83.9	28.8	96	35.6	1977	68.5	20.3	57	13.9	1974
13	76.2	24.6	83.3	28.5	91	32.8	1975*	69.1	20.6	59	15.0	1982
14	76.9	24.9	84.4	29.1	94	34.4	1980	69.5	20.8	60	15.6	1964
15	77.5	25.3	84.9	29.4	98	36.7	1947	70.1	21.2	58	14.4	1964
16	77.4	25.2	84.7	29.3	97	36.1	1966	70.1	21.2	59	15.0	1979
17	76.8	24.9	84.0	28.9	97	36.1	1968	69.5	20.8	59	15.0	1979
18	76.0	24.4	82.6	28.1	95	35.0	1966	69.4	20.8	62	16.7	1981
19	76.1	24.5	82.9	28.3	95	35.0	1966*	69.2	20.7	61	16.1	1953
20	76.2	24.6	83.4	28.6	93	33.9	1962	69.1	20.6	61	16.1	1976
21	75.7	24.3	82.4	28.0	96	35.6	1959	69.1	20.6	61	16.1	1976
22	75.7	24.3	82.4	28.0	96	35.6	1959	68.9	20.5	60	15.6	1981
23	75.5	24.2	82.0	27.8	97	36.1	1964	68.9	20.5	60	15.6	1956*
24	75.5	24.2	82.9	28.3	92	33.3	1978	68.1	20.1	58	14.4	1952
25	75.8	24.3	83.0	28.3	96	35.6	1968	68.6	20.3	60	15.6	1977*
26	75.6	24.2	83.5	28.6	93	33.9	1948	67.8	19.9	58	14.4	1977*
27	76.3	24.6	84.2	29.0	95	35.0	1948	68.4	20.2	56	13.3	1945
28	76.6	24.8	84.2	29.0	94	34.4	1970*	68.9	20.5	59	15.0	1965*
29	77.1	25.1	84.8	29.3	97	36.1	1948	69.4	20.8	53	11.7	1982
30	77.0	25.0	84.8	29.3	97	36.1	1953	69.2	20.7	54	12.2	1982
31	77.1	25.1	84.6	29.2	97	36.1	1980*	69.6	20.9	58	14.4	1946
Monthly	76.8	24.9	84.1	28.9	98	36.7	1947	69.5	20.8	53	11.7	1982

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH | HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	5.	4.	49.0	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
≥ 20000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	1.	50.	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.
≥ 12000	1.	50.	52.4	54.1	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	1.	56.	58.	60.	60.	60.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.
≥ 9000	1.	57.	59.	60.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.	61.	1.
≥ 8000	1.	63.	67.	67.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.	68.
≥ 7000	1.	64.	66.	67.	68.	68.	68.	69.	69.	69.	69.	69.	69.	69.	69.	69.
≥ 6000	1.	64.	67.	68.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.	69.
≥ 5000	1.	65.	69.	70.	71.	71.	71.	72.	72.	72.	72.	72.	72.	72.	72.	72.
≥ 4500	1.	69.	72.	74.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.	75.
≥ 4000	1.	71.	73.	76.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.	77.
≥ 3500	1.	71.	74.	77.	77.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.
≥ 3000	1.	71.	75.	77.	78.	79.	79.	79.	79.	79.	79.	79.	79.	79.	79.	79.
≥ 2500	1.	73.	77.	79.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
≥ 2000	1.	73.	77.	81.	82.	83.	83.	83.	83.	84.	84.	84.	84.	84.	84.	84.
≥ 1800	1.	73.	77.	81.	82.	83.	83.	83.	83.	84.	84.	84.	84.	84.	84.	84.
≥ 1500	1.	74.	78.	82.	84.	85.	85.	85.	85.	86.	86.	86.	86.	86.	86.	86.
≥ 1200	1.	74.	78.	82.	84.	85.	86.	86.	86.	86.	86.	86.	86.	86.	86.	86.
≥ 1000	1.	76.	79.	83.	85.	86.	86.	87.	87.	87.	87.	87.	87.	87.	87.	87.
≥ 900	1.	79.	79.	84.	86.	87.	87.	88.	88.	89.	89.	89.	89.	89.	89.	89.
≥ 800	1.	79.	80.	85.	87.	89.	89.	90.	90.	90.	90.	90.	90.	90.	90.	90.
≥ 700	1.	79.	81.	87.	89.	90.	90.	91.	91.	91.	91.	91.	91.	91.	91.	91.
≥ 600	1.	79.	82.	87.	89.	91.	91.	92.	92.	92.	92.	92.	92.	92.	92.	92.
≥ 500	1.	79.	82.	88.	90.	91.	93.	93.	93.	94.	94.	94.	94.	94.	94.	94.
≥ 400	1.	79.	82.	88.	90.	92.	93.	94.	95.	95.	95.	95.	95.	95.	95.	95.
≥ 300	1.	80.	83.	88.	91.	92.	94.	95.	95.	96.	96.	96.	96.	96.	96.	96.
≥ 200	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.
≥ 100	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.
0	1.	80.	83.	88.	91.	92.	94.	95.	95.	97.	97.	98.	98.	98.	98.	98.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	SEPTEMBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	76.0	24.4	83.1	28.4	98	36.7	1980	68.9	20.5	58	14.4	1948*
2	75.7	24.3	82.8	28.2	98	36.7	1980	68.6	20.3	57	13.9	1948
3	75.2	24.0	82.6	28.1	93	33.9	1954	67.8	19.9	57	13.9	1967
4	74.9	23.8	82.1	27.8	94	34.4	1966	67.6	19.8	58	14.4	1974*
5	74.6	23.7	81.6	27.6	93	33.9	1964	67.7	19.8	57	13.9	1982
6	74.0	23.3	81.1	27.3	95	35.0	1954	66.9	19.4	57	13.9	1982*
7	73.2	22.9	80.3	26.8	95	35.0	1954	66.1	18.9	56	13.3	1965
8	72.6	22.6	79.5	26.4	90	32.2	1976*	65.6	18.7	58	14.4	1963*
9	72.4	22.4	79.6	26.4	89	31.7	1976	65.2	18.4	55	12.8	1951
10	72.5	22.5	80.1	26.7	92	33.3	1970	64.8	18.2	55	12.8	1956*
11	72.4	22.4	80.2	26.8	92	33.3	1964	64.6	18.1	55	12.8	1976*
12	72.7	22.6	80.5	26.9	91	32.8	1978*	64.9	18.3	56	13.3	1967*
13	71.4	21.9	79.3	26.3	92	33.3	1952	63.6	17.6	54	12.2	1968
14	72.2	22.3	79.8	26.6	93	33.9	1952	64.5	18.1	50	10.0	1953
15	71.4	21.9	78.6	25.9	88	31.1	1970*	64.2	17.9	54	12.2	1946
16	70.7	21.5	77.4	25.2	94	34.4	1970	63.9	17.7	54	12.2	1946
17	70.5	21.4	77.3	25.2	91	32.8	1958	63.8	17.7	52	11.1	1959
18	70.2	21.2	77.9	25.5	90	32.2	1982*	62.6	17.0	52	11.1	1959
19	71.3	21.8	78.2	25.7	92	33.3	1978	64.3	17.9	53	11.7	1959
20	70.0	21.1	76.6	24.8	88	31.1	1963	63.3	17.4	52	11.1	1959*
21	69.7	20.9	77.0	25.0	92	33.3	1974	62.4	16.9	46	7.8	1956
22	68.6	20.3	75.6	24.2	91	32.8	1980	61.7	16.5	53	11.7	1962*
23	66.9	19.4	73.9	23.3	92	33.3	1970	59.8	15.4	50	10.0	1974*
24	66.3	19.1	73.8	23.2	89	31.7	1970	58.8	14.9	48	8.9	1974*
25	67.5	19.7	74.6	23.7	90	32.2	1970	60.3	15.7	46	7.8	1950
26	67.2	19.6	74.1	23.4	87	30.6	1972*	60.3	15.7	47	8.3	1950
27	66.9	19.4	74.1	23.4	84	28.9	1981*	59.7	15.4	47	8.3	1947
28	66.4	19.1	73.1	22.8	84	28.9	1973	59.7	15.4	50	10.0	1980*
29	65.7	18.7	72.8	22.7	88	31.1	1973*	58.5	14.7	48	8.9	1951
30	65.2	18.4	72.3	22.4	87	30.6	1954	58.2	14.6	46	7.8	1951
31												
Monthly	70.8	21.6	78.0	25.6	98	36.7	1980	63.6	17.6	46	7.8	1956*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
1	PAT[illegible] MD	73-[illegible]2	[illegible]

HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1⅝	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	44.5	47.5	46.1	46.5	46.[illegible]	46.5	46.5	46.5	46.1	46.5	46.5	46.[illegible]	46.5	46.5	46.5
≥ 20000	[illegible].3	52.3	54.2	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 18000	[illegible].3	52.3	54.2	54.8	55.8	[illegible]5.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 16000	[illegible].3	52.3	54.2	54.8	55.8	[illegible]5.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 14000	2.[illegible]	52.3	54.2	54.8	55.8	5[illegible]	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1
≥ 12000	[illegible].5	3.[illegible]	[illegible].[illegible]	56.1	57.1	7.1	57.1	[illegible].1	57.1	57.1	57.1	57.1	[illegible].4	57.4	57.4	57.4
≥ 10000	[illegible]	[illegible].1	[illegible]	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	61.9	[illegible].9	[illegible].[illegible]	61.9	61.9	61.9	[illegible].3	62.3	62.3	[illegible].3
≥ 9000	[illegible]	[illegible]	[illegible].7	1.3	[illegible].[illegible]	[illegible].3	62.3	[illegible].3	[illegible].7	62.3	62.3	62.3	[illegible].6	62.6	62.6	62.6
≥ 8000	[illegible]	[illegible].7	[illegible].[illegible]	66.3	67.7	67.7	68.1	[illegible].1	[illegible].1	68.1	68.1	68.1	[illegible].4	68.4	68.4	68.4
≥ 7000	[illegible]	[illegible].3	[illegible].1	67.1	[illegible].1	[illegible].1	68.4	[illegible].4	68.4	68.4	68.4	68.4	[illegible].7	68.7	68.7	68.7
≥ 6000	[illegible]	4.2	67.4	[illegible].7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3
≥ 5000	[illegible]	[illegible].3	[illegible].7	7[illegible]	71.0	[illegible]	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6	71.6	71.6
≥ 4500	[illegible].4	[illegible].4	71.9	73.6	74.3	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5
≥ 4000	[illegible].4	[illegible].4	73.[illegible]	75.5	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7
≥ 3500	2.[illegible]	[illegible].7	73.9	75.5	77.4	77.4	77.7	[illegible].1	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4
≥ 3000	[illegible]	71.3	73.1	75.4	[illegible].7	[illegible].7	81.3	[illegible].3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6
≥ 2500	[illegible]	72.3	77.4	[illegible].3	[illegible].6	2.6	82.9	[illegible].2	83.2	83.2	83.2	[illegible].2	[illegible].6	[illegible].6	[illegible].6	[illegible].6
≥ 2000	2.[illegible]	72.3	77.4	[illegible].2	[illegible].8	6.1	[illegible].5	[illegible].5	[illegible].8	86.8	86.8	86.8	[illegible].1	87.1	[illegible].1	[illegible].1
≥ 1800	[illegible]	72.3	77.7	[illegible].2	[illegible].8	6.1	[illegible].5	6.8	[illegible].8	[illegible].8	[illegible].8	86.8	[illegible].1	[illegible].1	[illegible].1	[illegible].1
≥ 1500	[illegible]	73.[illegible]	[illegible].7	3.9	[illegible].[illegible]	6.8	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].4	87.4	[illegible].7	[illegible].7	[illegible].7	[illegible].7
≥ 1200	[illegible]	73.2	[illegible].[illegible]	[illegible].2	[illegible].1	7.4	[illegible].7	[illegible].1	[illegible].1	[illegible].1	[illegible].1	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].4
≥ 1000	[illegible]	[illegible].2	[illegible].[illegible]	[illegible].5	[illegible].7	[illegible].4	[illegible].[illegible]	[illegible].3	[illegible].3	[illegible].3	[illegible].3	[illegible].3	[illegible].7	[illegible].7	[illegible].7	[illegible].7
≥ 900	[illegible]	[illegible].[illegible]	[illegible].6	[illegible].1	[illegible].4	[illegible].[illegible]	[illegible].7	[illegible].3	[illegible].7	[illegible].[illegible]	[illegible].5	[illegible].6	[illegible].9	[illegible].9	[illegible].9	[illegible].9
≥ 800	[illegible]	[illegible]	[illegible].9	[illegible]	[illegible]	[illegible].7	[illegible].3	[illegible].9	[illegible].9	[illegible].[illegible]	[illegible].3	[illegible].3	[illegible].6	[illegible].6	[illegible].6	[illegible].6
≥ 700	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible].7	[illegible].1	[illegible].9	[illegible].3	[illegible].6	[illegible].[illegible]	[illegible].9	[illegible].9	[illegible].2	[illegible].6	[illegible].6	[illegible].6
≥ 600	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible].3	[illegible].9	[illegible].9	[illegible].9	[illegible].2	[illegible].2	[illegible].6	[illegible].9	[illegible].9	[illegible].9
≥ 500	[illegible]	[illegible]	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible].3	[illegible].2	[illegible].3	[illegible].2	[illegible].9	[illegible].9	[illegible].2	[illegible].5	[illegible].5	[illegible].5
≥ 400	[illegible]	[illegible]	[illegible].7	[illegible].7	[illegible]	[illegible]	[illegible].9	[illegible].2	[illegible].2	[illegible].2	[illegible].8	[illegible].8	[illegible].2	[illegible].5	[illegible].5	[illegible].5
≥ 300	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].4	[illegible].5	[illegible].5	[illegible].8	[illegible].5	[illegible].5	[illegible].1	[illegible].7	[illegible].7	[illegible].1
≥ 200	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].2	[illegible]	[illegible]	[illegible].1	[illegible].4	[illegible].4	[illegible]	[illegible].0	[illegible].0	[illegible].4
≥ 100	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible]	[illegible].2	[illegible].8	[illegible].3	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].0	[illegible].0	[illegible].0
0	[illegible].2	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].2	[illegible].2	[illegible].3	[illegible].3	[illegible].1	[illegible].4	[illegible].4	[illegible].4	[illegible].0	[illegible].0	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	OCTOBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	65.3	18.5	72.1	22.3	86	30.0	1981*	58.6	14.8	40	4.4	1947
2	64.8	18.2	72.7	22.6	87	30.6	1954	56.8	13.8	44	6.7	1974
3	64.0	17.8	71.5	21.9	93	33.9	1968	56.5	13.6	40	4.4	1974
4	63.2	17.3	70.9	21.6	92	33.3	1954	55.6	13.1	38	3.3	1974
5	63.9	17.7	71.9	22.2	90	32.2	1959	55.9	13.3	40	4.4	1965
6	63.6	17.6	71.7	22.1	87	30.6	1959	55.4	13.0	40	4.4	1965
7	63.2	17.3	70.6	21.4	83	28.3	1963*	55.8	13.2	45	7.2	1954
8	62.4	16.9	69.7	20.9	83	28.3	1982*	55.1	12.8	44	6.7	1953
9	62.8	17.1	69.9	21.1	85	29.4	1980	55.7	13.2	39	3.9	1978
10	61.5	16.4	68.9	20.5	86	30.0	1949	54.0	12.2	38	3.3	1979
11	61.2	16.2	68.9	20.5	88	31.1	1954	53.4	11.9	38	3.3	1964
12	61.7	16.5	69.9	21.1	87	30.6	1954	53.5	11.9	39	3.9	1964
13	60.9	16.1	68.5	20.3	89	31.7	1954	53.2	11.8	40	4.4	1980
14	61.2	16.2	68.8	20.4	85	29.4	1975	53.7	12.1	40	4.4	1979
15	61.2	16.2	69.9	21.1	86	30.0	1975	52.6	11.4	38	3.3	1979
16	60.4	15.8	68.6	20.3	80	26.7	1958	52.3	11.3	40	4.4	1978*
17	59.9	15.5	67.6	19.8	80	26.7	1963	52.2	11.2	38	3.3	1977
18	59.7	15.4	67.5	19.7	82	27.8	1963	51.9	11.1	36	2.2	1977
19	58.2	14.6	65.3	18.5	79	26.1	1947*	51.1	10.6	37	2.8	1972
20	58.1	14.5	65.9	18.8	84	28.9	1969	50.3	10.2	32	.0	1981*
21	57.9	14.4	66.3	19.1	84	28.9	1979	49.5	9.7	33	.6	1974
22	58.7	14.8	66.4	19.1	83	28.3	1979*	51.1	10.6	34	1.1	1974
23	59.2	15.1	67.2	19.6	84	28.9	1978	51.3	10.7	35	1.7	1969
24	57.4	14.1	64.3	17.9	77	25.0	1975*	50.5	10.3	33	.6	1969
25	56.0	13.3	63.1	17.3	74	23.3	1961*	48.9	9.4	36	2.2	1969
26	55.2	12.9	62.6	17.0	82	27.8	1978	47.9	8.8	36	2.2	1952
27	55.5	13.1	63.4	17.4	78	25.6	1951	47.7	8.7	35	1.7	1976
28	55.7	13.2	63.2	17.3	74	23.3	1947	48.2	9.0	34	1.1	1976
29	55.7	13.2	63.1	17.3	79	26.1	1946	48.2	9.0	30	-1.1	1965
30	55.2	12.9	62.4	16.9	79	26.1	1950*	47.9	8.8	32	.0	1952
31	56.6	13.7	64.7	18.2	83	28.3	1946	48.5	9.2	35	1.7	1968
Monthly	60.0	15.6	67.7	19.8	93	33.9	1968	52.4	11.3	30	-1.1	1965

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	47.1	47.4	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.9	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	1.9	54.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	1.9	55.2	55.5	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.9	57.1	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	1.9	58.7	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	1.9	62.3	62.6	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	1.9	62.3	62.6	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	1.9	63.3	63.6	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	1.9	64.3	64.6	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	1.9	66.5	66.8	67.2	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	1.9	66.5	66.8	67.2	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	1.9	70.9	71.2	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	1.9	71.9	72.2	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	1.9	74.2	74.5	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	1.9	75.8	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	1.9	75.8	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	1.9	76.8	77.1	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1200	1.9	78.5	78.8	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1000	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 900	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 800	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 700	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 600	1.9	77.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 500	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 400	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 300	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 200	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 100	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	100.0
≥ 0	1.9	77.7	78.0	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	NOVEMBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	56.9	13.8	64.9	18.3	83	28.3	1982	48.9	9.4	33	.6	1954
2	57.9	14.4	65.7	18.7	85	29.4	1968	50.1	10.1	27	-2.8	1976
3	56.5	13.6	64.6	18.1	77	25.0	1953	48.4	9.1	32	.0	1951
4	54.7	12.6	62.1	16.7	79	26.1	1982*	47.4	8.6	31	-.6	1951
5	52.9	11.6	60.0	15.6	79	26.1	1975	45.8	7.7	33	.6	1976
6	50.9	10.5	58.7	14.8	78	25.6	1948	43.2	6.2	29	-1.7	1976
7	51.2	10.7	59.3	15.2	78	25.6	1975	43.1	6.2	30	-1.1	1953
8	51.4	10.8	59.7	15.4	79	26.1	1975	43.1	6.2	29	-1.7	1976*
9	52.0	11.1	59.8	15.4	76	24.4	1966	44.3	6.8	24	-4.4	1976
10	51.0	10.6	58.2	14.6	78	25.6	1966	43.8	6.6	33	.6	1973
11	50.0	10.0	57.3	14.1	76	24.4	1949	42.7	5.9	32	.0	1976*
12	50.8	10.4	58.3	14.6	73	22.8	1982	43.4	6.3	30	-1.1	1957
13	50.5	10.3	57.7	14.3	76	24.4	1964	43.3	6.3	31	-.6	1976
14	51.6	10.9	59.6	15.3	78	25.6	1955	43.7	6.5	29	-1.7	1976
15	49.8	9.9	56.9	13.8	80	26.7	1973	42.7	5.9	26	-3.3	1967
16	50.7	10.4	58.9	14.9	78	25.6	1955	42.4	5.8	23	-5.0	1967
17	49.6	9.8	57.7	14.3	72	22.2	1955	41.6	5.3	28	-2.2	1959
18	49.4	9.7	57.2	14.0	74	23.3	1979	41.6	5.3	23	-5.0	1959
19	48.9	9.4	56.8	13.8	73	22.8	1976*	41.1	5.1	26	-3.3	1951
20	48.1	8.9	55.6	13.1	72	22.2	1948	40.7	4.8	26	-3.3	1951
21	46.7	8.2	54.2	12.3	72	22.2	1956	39.2	4.0	24	-4.4	1969
22	46.1	7.8	53.6	12.0	73	22.8	1979	38.6	3.7	21	-6.1	1969
23	45.9	7.7	53.8	12.1	74	23.3	1979	38.0	3.3	24	-4.4	1970*
24	46.8	8.2	54.7	12.6	72	22.2	1979*	38.9	3.8	21	-6.1	1970*
25	44.7	7.1	52.1	11.2	80	26.7	1973	37.3	2.9	20	-6.7	1950
26	44.4	6.9	52.2	11.2	73	22.8	1946	36.7	2.6	19	-7.2	1950
27	46.6	8.1	54.2	12.3	69	20.6	1976*	39.0	3.9	26	-3.3	1977*
28	46.3	7.9	54.0	12.2	77	25.0	1973	38.7	3.7	23	-5.0	1955
29	43.4	6.3	50.8	10.4	72	22.2	1968	36.0	2.2	16	-8.9	1955
30	40.7	4.8	47.6	8.7	64	17.8	1973	33.8	1.0	20	-6.7	1976*
31												
Monthly	49.6	9.8	57.2	14.0	85	29.4	1968	41.9	5.5	16	-8.9	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

1 | PAT[illegible]NT IW[illegible], MARYLAND | 73-[illegible] | DEC

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.[illegible]	48.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.[illegible]	53.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	1.[illegible]	54.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.[illegible]	55.[illegible]	56.[illegible]	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	2.3	[illegible].4	60.[illegible]	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	2.3	[illegible].[illegible]	61.[illegible]	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	2.3	65.[illegible]	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	2.3	66.[illegible]	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	2.3	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	2.3	69.7	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	2.3	71.[illegible]	74.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	2.3	73.2	76.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	2.3	73.8	77.1	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	2.3	75.2	7[illegible]	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	2.3	76.1	80.[illegible]	82.3	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	2.3	77.7	81.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	2.3	78.1	82.3	84.8	85.8	86.[illegible]	86.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	2.3	78.4	82.8	85.8	87.1	87.4	87.7	88.[illegible]	88.[illegible]	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	2.3	79.[illegible]	84.5	87.4	89.[illegible]	89.7	90.[illegible]	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.[illegible]	91.3
≥ 1000	2.3	79.[illegible]	84.5	87.4	89.4	90.0	90.3	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	2.3	79.3	84.[illegible]	88.1	[illegible].3	90.7	91.0	92.[illegible]	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	2.3	79.6	84.[illegible]	88.4	90.7	91.6	91.9	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	2.3	79.6	84.[illegible]	[illegible].7	91.3	92.3	92.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	2.3	79.[illegible]	84.[illegible]	89.0	91.6	92.9	93.2	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	2.3	79.[illegible]	84.8	89.2	91.6	93.3	94.2	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	2.3	[illegible].[illegible]	84.8	89.3	91.6	93.6	94.8	96.8	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4
≥ 300	2.3	79.[illegible]	[illegible].2	89.4	91.9	93.9	95.2	97.1	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4
≥ 200	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	99.7
≥ 100	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	99.7
0	2.3	79.[illegible]	85.2	89.4	91.9	3.9	95.5	97.4	97.7	98.4	98.4	98.4	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]719

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	DECEMBER

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	40.6	4.8	48.4	9.1	71	21.7	1946	32.8	.4	20	-6.7	1976*
2	42.0	5.6	49.8	9.9	67	19.4	1980	34.1	1.2	23	-5.0	1964
3	43.5	6.4	50.6	10.3	71	21.7	1950	36.4	2.4	17	-8.3	1966
4	44.7	7.1	52.7	11.5	76	24.4	1982	36.8	2.7	14	-10.0	1966
5	44.5	6.9	52.6	11.4	73	22.8	1982	36.4	2.4	22	-5.6	1966
6	44.0	6.7	52.2	11.2	71	21.7	1982*	35.9	2.2	22	-5.6	1954
7	43.9	6.6	51.6	10.9	74	23.3	1956	36.3	2.4	20	-6.7	1954
8	44.4	6.9	52.3	11.3	74	23.3	1978*	36.5	2.5	20	-6.7	1954
9	42.2	5.7	49.6	9.8	74	23.3	1951	34.8	1.6	19	-7.2	1976
10	40.2	4.6	47.2	8.4	75	23.9	1966	33.2	.7	15	-9.4	1968
11	39.2	4.0	46.0	7.8	68	20.0	1971	32.4	.2	15	-9.4	1968
12	40.5	4.7	47.4	8.6	71	21.7	1979	33.5	.8	14	-10.0	1957
13	40.8	4.9	48.5	9.2	67	19.4	1956	33.1	.6	12	-11.1	1960
14	39.1	3.9	46.0	7.8	64	17.8	1948	32.2	.1	13	-10.6	1960
15	38.4	3.6	45.2	7.3	70	21.1	1971	31.6	-.2	13	-10.6	1958
16	38.2	3.4	45.4	7.4	75	23.9	1971	30.9	-.6	10	-12.2	1958
17	37.7	3.2	45.2	7.3	60	15.6	1946	30.1	-1.1	15	-9.4	1951
18	37.3	2.9	45.1	7.3	61	16.1	1966	29.6	-1.3	18	-7.8	1953
19	37.1	2.8	44.2	6.8	63	17.2	1957	30.1	-1.1	16	-8.9	1964*
20	37.5	3.1	44.4	6.9	63	17.2	1972	30.6	-.8	14	-10.0	1963
21	37.5	3.1	44.0	6.7	67	19.4	1956	31.0	-.6	13	-10.6	1980
22	36.5	2.5	43.1	6.2	68	20.0	1949	29.9	-1.2	18	-7.8	1963*
23	38.5	3.6	46.4	8.0	66	18.9	1981	30.7	-.7	18	-7.8	1960*
24	39.4	4.1	46.0	7.8	65	18.3	1982*	32.9	.5	17	-8.3	1945
25	38.5	3.6	45.6	7.6	72	22.2	1982*	31.5	-.3	12	-11.1	1980
26	38.9	3.8	46.6	8.1	72	22.2	1982	31.3	-.4	10	-12.2	1980
27	37.9	3.3	44.7	7.1	69	20.6	1973*	31.0	-.6	16	-8.9	1977*
28	39.2	4.0	46.8	8.2	74	23.3	1971	31.7	-.2	17	-8.3	1966
29	39.3	4.1	46.5	8.1	66	18.9	1982	32.1	.1	18	-7.8	1977
30	38.8	3.8	46.2	7.9	70	21.1	1971	31.5	-.3	16	-8.9	1976
31	37.7	3.2	44.4	6.9	72	22.2	1965	31.1	-.5	15	-9.4	1962
Monthly	39.9	4.4	47.2	8.4	76	24.4	1982	32.6	.3	10	-12.2	1980*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

724	PATUXENT RIVER, MARYLAND	45-82
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

__ | PATUXENT RIVER, MARYLAND | 45-c
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	74	65	68	77	87	91	91	95	87	86	79	7_	95
6	63	80	81	87	83	88	92	92	9_	77	73	6	92
7	5_	74	83	84	87	89	95	97	89	83	73	6	97
7_	6	46	77	86	86	86	97	93	92	84	73	74	97
7	64	52	84	72	82	88	89	93	88	84	74	7_	93
_	6	60	7_	78	88	96	1_3	97	98	8_	74	73	103
_	61	75	8_	85	9_	95	95	94	92	86	73	66	95
	64	66	73	82	86	90	96	92	9_	83	63	76	96
MEAN	65.2	65.8	75.4	83.7	87.7	92.8	94.5	93.6	89.8	82.3	74.5	66.4	95.7
S.D.	6.131	_.112	6.487	4.478	3.531	3.618	3.263	2.786	3.184	4._14	5.493	5.959	2.971
TOTAL OBS.	1116	_117	_176	_140	1176	1140	1147	1178	1140	1147	1160	1116	13577

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-82 | DEC

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	52.4	52.9	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7
≥ 20000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 18000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 16000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 14000	.3	55.0	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 12000	.3	55.7	56.0	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6
≥ 10000	.3	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 9000	.3	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 8000	.3	65.1	66.3	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
≥ 7000	.3	66.1	67.3	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	68.9
≥ 6000	.3	66.3	67.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3	69.3
≥ 5000	.3	68.3	69.9	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8
≥ 4500	.3	71.2	72.8	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1
≥ 4000	.3	73.3	76.1	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 3500	.3	74.4	76.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.0	79.0
≥ 3000	.3	77.0	79.6	80.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 2500	.3	77.7	80.6	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5
≥ 2000	.3	79.3	83.5	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4
≥ 1800	.3	79.6	83.8	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 1500	.3	79.9	84.1	85.8	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 1200	.3	79.9	84.1	85.8	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1000	.3	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 900	.3	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 800	.3	80.9	85.1	88.0	89.3	90.0	90.6	90.9	90.9	90.9	90.9	90.9	91.3	91.3	91.6	91.6
≥ 700	.3	80.9	85.4	88.4	90.0	90.6	91.3	91.6	91.6	91.6	91.6	91.6	91.9	91.9	92.2	92.2
≥ 600	.3	81.6	86.4	89.6	91.6	92.2	93.2	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.5	94.5
≥ 500	.3	81.6	86.4	89.6	91.6	92.6	93.9	94.5	94.5	94.5	94.5	94.5	94.8	94.8	95.2	95.2
≥ 400	.3	81.6	86.7	90.0	92.2	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8	96.1	96.1
≥ 300	.3	81.9	86.7	90.0	92.2	93.2	95.2	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.8	96.8
≥ 200	.3	81.9	86.7	90.0	92.2	93.2	95.5	96.8	96.8	96.8	97.1	97.1	97.4	97.4	98.1	98.4
≥ 100	.3	81.6	86.7	90.0	92.2	93.2	95.5	96.8	96.8	97.1	97.4	97.4	97.7	97.7	99.0	99.7
≥ 0	.3	81.6	86.7	90.0	92.2	93.2	95.5	96.8	96.8	97.1	97.4	97.4	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

*WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											7[illegible] 2[illegible]		MAX TEMP DAYS
		6[illegible] 2[illegible]											MAX TEMP DAYS
												74 29	MAX TEMP DAYS
[illegible]	7[illegible]										7[illegible] 2[illegible]		MAX TEMP DAYS
3												66 2[illegible]	MAX TEMP DAYS
6										[illegible]			MAX TEMP DAYS
							9 1						MAX TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	DEC

HOURS (L S T / L D T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	49.2	50.1	50.8	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3
≥ 20000	1.1	54.3	55.4	56.2	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0
≥ 18000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
≥ 16000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
≥ 14000	1.1	54.4	55.5	56.3	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1	57.1
≥ 12000	1.1	55.2	56.4	57.2	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	58.0
≥ 10000	1.2	59.4	60.8	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥ 9000	1.2	59.6	61.0	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.7	62.7
≥ 8000	1.2	64.6	66.5	67.5	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.4	68.4
≥ 7000	1.2	65.2	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
≥ 6000	1.2	65.7	67.8	68.9	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.9	69.9
≥ 5000	1.2	67.3	69.7	70.9	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.9	71.9
≥ 4500	1.2	69.7	72.4	73.7	74.3	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9
≥ 4000	1.2	71.3	74.8	76.3	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 3500	1.2	72.4	75.7	77.2	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
≥ 3000	1.2	74.2	77.8	79.6	80.5	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.4
≥ 2500	1.2	75.5	79.3	81.2	82.3	82.4	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.2
≥ 2000	1.2	76.5	80.8	83.1	84.3	84.5	84.7	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
≥ 1800	1.2	76.7	80.9	83.2	84.4	84.6	84.8	85.0	85.1	85.1	85.2	85.2	85.3	85.3	85.4	85.4
≥ 1500	1.2	77.3	81.8	84.5	85.9	86.2	86.5	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.2	87.2
≥ 1200	1.2	77.6	82.2	85.1	86.6	87.0	87.3	87.6	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.1
≥ 1000	1.2	78.2	83.1	86.1	87.8	88.2	88.5	89.1	89.5	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.0
≥ 900	1.2	78.4	83.3	86.6	88.6	89.3	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	91.0	91.0
≥ 800	1.2	78.4	83.6	87.2	89.2	90.1	90.7	91.3	91.3	91.5	91.6	91.6	91.7	91.7	91.8	91.8
≥ 700	1.2	78.6	83.9	87.6	89.8	90.8	91.6	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.7	92.8
≥ 600	1.2	78.9	84.3	88.2	90.6	91.6	92.5	93.1	93.2	93.4	93.5	93.5	93.6	93.7	93.8	93.9
≥ 500	1.2	79.0	84.4	88.4	91.1	92.4	93.5	94.3	94.4	94.6	94.8	94.8	94.8	94.9	95.1	95.1
≥ 400	1.2	79.0	84.5	88.5	91.6	92.9	94.4	95.4	95.5	95.7	95.9	95.9	96.1	96.2	96.4	96.4
≥ 300	1.2	79.0	84.6	88.6	91.8	93.2	95.0	96.1	96.2	96.5	96.9	96.9	97.2	97.3	97.5	97.6
≥ 200	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.1	97.6	97.6	98.2	98.3	98.7	99.1
≥ 100	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	99.8
0	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2477

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			3	36	42	5[illegible]	61	56	56	42		[illegible]6	
4[illegible]	17	18	32	36	44	53	6[illegible]	58	54	46	34	2[illegible]	.7
47	14	8	26	34	39	53	61	67	47	4	29	25	5
4[illegible]	10	16	20	37	47	56	6[illegible]	60	56	38	36	17	[illegible]
[illegible]	2[illegible]	26	25	37	49	56	66	63	49	43	26	25	25
	2[illegible]		17	26	45	54	64	62	46	44	19	16	
	16	12	28	34	48	55	6[illegible]	59	46	44	26		
[illegible]		27	25	35	44	56	55	58	51	32		[illegible]2	
3	2[illegible]	24	24	32	52	48	64	61	5[illegible]	43	3[illegible]		
4	16	20	22	29	42	55	61	59	55	4[illegible]	31	19	.6
5	[illegible]4	13	24	35	46	56	63	65	57	5[illegible]	16	17	[illegible]
5	12	22	25	32	42	55	61	60	46	46	21	25	.1
5[illegible]	[illegible]	25	3[illegible]	32	42	55	62	63	49	35	3[illegible]	14	.0
5[illegible]	18	7	3[illegible]	37	48	54	67	65	53	43	26	18	7
5	21	15	29	37	45	53	66	63	52	42	23	22	.1
	2[illegible]	21	16	33	45	58	64	62	58	38	3[illegible]	12	12
[illegible]	[illegible]	10	25	31	45	58	60	62	55	42	33	22	7
	12	17	2[illegible]	36	50	61	62	62	53	38	36	15	12
3	9	1[illegible]	3[illegible]	44	44	56	59	58	48	43	34	14	9
4	14	22	26	32	46	52	62	58	53	36	2[illegible]	16	.4
5	3-	9	19	3[illegible]	52	54	6[illegible]	54	54	3[illegible]	27	25	3-
6	12	12	25	35	36	50	64	63	53	4[illegible]	3[illegible]	14	12
6[illegible]	1	12	15	37	43	45	58	61	49	39	23	21	[illegible]
6	9	1[illegible]	21	36	43	58	64	59			27	15	
6[illegible]	1	18	21	28	44	58	6[illegible]	61	49	33	21	21	10
	4	1[illegible]	23	33	41	58		64	49	41	21	22	
[illegible]	14	[illegible]	27	35	44	59	64	63	58	51	31	24	9
[illegible]	7	19	26	30	49	5[illegible]	56	59	55	35	27	22	7
7[illegible]	18	12	28	37	43	56	62	62	54	4[illegible]	32	21	12
7[illegible]	21	21	27	35	48	55	65	57	48	32	26	26	21
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

[illegible] STATION | PAT[illegible] STATION NAME | 73- YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	56.1	56.0	52.3	[illegible]	[illegible]	55.2	[illegible]	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 20000	[illegible]	51.[illegible]	56.3	[illegible]	61.8	[illegible]	62.5	[illegible]	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.9
≥ 18000	[illegible]	51.7	56.4	59.7	61.8	62.1	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9
≥ 16000	[illegible]	51.7	56.4	59.7	61.8	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.0
≥ 14000	[illegible]	51.9	56.6	60.0	62.1	62.4	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
≥ 12000	[illegible]	52.6	57.4	60.8	62.9	63.3	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1
≥ 10000	[illegible]	55.7	61.0	64.7	67.1	67.5	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 9000	[illegible]	55.9	61.3	65.0	67.4	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7
≥ 8000	[illegible]	60.0	66.0	70.3	72.9	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
≥ 7000	[illegible]	60.3	67.0	71.3	74.3	74.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
≥ 6000	[illegible]	61.1	67.4	71.7	74.5	74.9	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9
≥ 5000	[illegible]	62.1	68.5	73.0	75.8	76.3	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.3
≥ 4500	[illegible]	63.4	69.9	74.5	77.4	77.9	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9
≥ 4000	[illegible]	65.1	71.8	76.6	79.7	80.2	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 3500	[illegible]	65.7	72.3	77.5	80.6	81.1	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2
≥ 3000	[illegible]	67.8	75.2	80.6	84.0	84.5	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8
≥ 2500	[illegible]	68.9	76.3	81.7	85.2	85.8	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
≥ 2000	[illegible]	69.3	77.1	82.9	86.6	87.2	88.0	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
≥ 1800	[illegible]	69.4	77.3	83.1	86.8	87.5	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.8	88.9
≥ 1500	[illegible]	70.1	78.3	84.4	88.3	89.1	89.9	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.6
≥ 1200	[illegible]	70.4	78.7	85.0	89.0	89.8	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.4
≥ 1000	[illegible]	70.8	79.3	85.9	90.2	91.1	92.2	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.9	92.9
≥ 900	[illegible]	70.9	79.5	86.3	91.1	91.6	92.7	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5
≥ 800	[illegible]	71.1	79.8	86.7	91.3	92.3	93.4	93.8	93.8	94.1	94.1	94.1	94.2	94.2	94.3	94.4
≥ 700	[illegible]	71.1	80.1	87.1	91.9	92.9	94.2	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.1	95.2
≥ 600	[illegible]	71.2	80.2	87.4	92.2	93.4	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.8	95.9
≥ 500	[illegible]	71.3	80.3	87.6	92.7	94.0	95.6	96.1	96.2	96.5	96.6	96.6	96.7	96.8	96.9	96.9
≥ 400	[illegible]	71.4	80.4	87.8	93.1	94.5	96.2	96.8	96.9	97.3	97.4	97.5	97.6	97.6	97.8	97.9
≥ 300	[illegible]	71.4	80.5	87.9	93.2	94.7	96.5	97.2	97.3	97.8	98.0	98.0	98.3	98.3	98.5	98.6
≥ 200	[illegible]	71.4	80.5	87.9	93.2	94.7	96.6	97.4	97.5	98.0	98.3	98.4	98.8	98.8	99.1	99.3
≥ 100	[illegible]	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	99.8
≥ 0	[illegible]	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 29198

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	2[illegible]	22	23	31	45	58	64	65	56	38	3[illegible]	[illegible]	[illegible]
6	14	16	3[illegible]	35	44	52	6[illegible]	59	54	34	20	16	14
7	[illegible]-	11	29	31	39	51	57	58	55	36	26	16	3-
[illegible]	1	15	17	39	40	54	57	65	51	38	32	23	1
7	1[illegible]	6	24	34	44	52	57	59	54	38	26	19	6
[illegible]	[illegible]	15	13	31	44	53	65	62	50	37	27	1[illegible]	[illegible]
[illegible]	7	12	24	36	43	59	6[illegible]	60	49	32	26	14	7
[illegible]	2-	19	24	27	48	56	63	53	49	38	33	19	2-
MEAN	12.[illegible]	15.6	24.3	33.9	44.5	54.5	61.6	6[illegible].7	5[illegible].9	39.1	27.4	18.8	10.7
S.D.	[illegible].175	5.782	4.767	3.588	3.423	3.319	2.944	3.1.4	3.507	4.539	5.299	4.482	6.274
TOTAL OBS.	111[illegible]	[illegible]017	1178	1140	1178	114[illegible]	1147	1178	111[illegible]	1147	1[illegible]8	1116	13547

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] | PATUXENT RIVER, MARYLAND | 45-[illegible]
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											27 29		MIN TEMP DAYS
		17 27											MIN TEMP DAYS
												14 29	MIN TEMP DAYS
	16 [illegible]										27 29		MIN TEMP DAYS
3												18 [illegible]	MIN TEMP DAYS
6									33 29	35 31			MIN TEMP DAYS
							06 21						MIN TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) FEB (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	01	33.0			17.4						12.1	37.6	5.4	262
	04	34.4			14.5						13.1	37.9	5.4	292
	07	18.1			22.7						14.9	38.3	6.0	292
	10	23.3			18.1						16.3	41.8	6.2	292
	13	22.0			17.0						22.7	38.3	6.4	292
	16	19.1			21.6						20.6	38.7	6.4	292
	19	23.2			24.5						14.9	35.5	5.6	292
	22	35.5			20.2						9.9	34.4	4.9	292
TOTALS		26.4			20.3						15.6	37.8	5.8	2256

PSYCHROMETRIC SUMMARY

2

17721 PATUXENT RIVER, MARYLAND 73-82 JAN

STATION STATION NAME YEARS MONTH

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
74/ 73								.2										4	4		
72/ 71							.1											2	2		
70/ 69						.1	.0											2	2		
68/ 67			.1															3	3		
66/ 65								.0										1	1		
64/ 63		.1		.1	.2													5	5	3	
62/ 61		.1	.1	.0	.1	.1												10	10	2	4
60/ 59	.0	.1		.1	.1			.1										11	11	12	2
58/ 57	.0	.2	.1	.1	.1	.1	.0											19	19	7	4
56/ 55	.0	.4	.1	.0	.3	.2	.1											30	30	13	8
54/ 53		.5	.2	.3	.2	.2	.0											36	36	20	10
52/ 51	.0	.4	.4	.2	.1	.2	.1											36	36	23	23
50/ 49	.2	.4	.4	.3	.5	.3	.1											52	52	26	27
48/ 47	.1	1.0	.5	.4	.7	.2	.1											77	77	45	26
46/ 45	.2	1.3	.5	.8	.2	.4	.1											87	87	56	22
44/ 43	.5	1.9	.8	.5	1.1	.4												130	130	91	46
42/ 41	.7	1.5	1.6	1.5	.9	.1												156	156	111	79
40/ 39	.9	1.2	1.3	1.4	.9	.3												149	149	126	89
38/ 37	.9	2.5	1.8	2.5	.5	.1												206	206	128	83
36/ 35	.8	2.4	2.7	2.3	.4													211	211	187	109
34/ 33	.7	2.1	2.6	2.3	.5	.0												205	205	204	95
32/ 31	.4	2.4	2.5	1.3	.4													177	177	219	131
30/ 29	.6	1.9	2.5	1.5	.1													162	164	204	130
28/ 27	.4	2.2	2.7	1.3														163	163	193	130
26/ 25	.2	1.8	2.7	.9														141	141	163	143
24/ 23	.0	1.4	2.7	.5														115	115	147	149
22/ 21	.0	1.1	1.9	.2														79	79	149	160
20/ 19	.1	.9	1.0	.1														51	51	112	132
18/ 17		.6	1.0	.1														43	43	56	155
16/ 15		.6	.7															32	32	50	93
14/ 13	.1	.6	.5															28	28	40	91
12/ 11	.0	.4	.2															15	15	33	117
10/ 9		.2	.1															14	14	18	108
8/ 7		.1	.2															8	8	13	72

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) MAR (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		
MAR	01	31.0			15.8						7.4	45.8	5.7	310
	04	37.0			17.4						3.4	43.2	5.7	310
	07	17.7			16.7						17.4	46.1	6.7	310
	10	12.1			19.0						17.4	45.5	6.7	310
	13	16.0			15.2						19.7	48.4	7.1	310
	16	18.7			14.2						21.6	45.5	6.9	310
	19	22.3			19.0						15.5	43.2	6.3	310
	22	26.4			16.5						11.0	44.2	5.9	310
TOTALS		22.9			17.0						14.9	45.2	6.4	2480

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PSYCHROMETRIC SUMMARY

[illegible] PATUXENT RIVER, MARYLAND 73-82 JAN
STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		.2	.1															8	8	8	67
[illegible]	.2	.0																2	2	10	43
[illegible]		.1																2	2	1	37
[illegible]/- [illegible]	.1																	2	2	4	19
-[illegible]/- [illegible]	.1																	2	2	2	21
-[illegible]/- [illegible]																					17
-[illegible]/- 7																					14
-[illegible]/- 9																					6
-[illegible]/-11																					2
-12/-13																					4
-14/-15																					2
-[illegible]/-17																					4
-[illegible]/-19																					5
-20/-21																					2
-[illegible]/-27																					1
[illegible]	7.4	31.1	31.9	18.7	7.2	2.8	.6	.3											2478		2476
																		2476		2476	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	11814711	164831	66.6	18.440	2476							
Dry Bulb	3206381	85181	34.4	10.599	2478	1.2	314.1	3.3	1.2			744.0
Wet Bulb	2611767	76423	30.9	10.109	2476	1.8	427.3					744.0
Dew Point	1810306	58250	23.5	13.332	2476	27.3	555.6					744.0

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2

SKY COVER

1121 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (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	01	39.7			14.3						11.7	35.3	5.2	300
	04	33.7			21.3						14.3	30.7	5.2	300
	07	24.3			25.3						17.3	33.3	5.7	300
	10	22.3			22.7						19.7	35.3	5.8	300
	13	21.7			18.0						24.7	36.7	6.4	300
	16	22.3			19.3						22.3	36.7	6.3	300
	19	17.3			25.7						24.3	33.3	6.2	300
	22	33.7			22.3						16.7	30.7	5.2	300
TOTALS		26.2			21.0						18.9	34.1	5.7	2400

PSYCHROMETRIC SUMMARY

2

17721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
FEB — MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
78/ 77										.1	.0								3	3		
76/ 75										.0									1	1		
74/ 73								.1			.0		.0						4	4		
72/ 71							.1			.0	.0								4	4		
70/ 69					.0		.0	.0			.0								4	4		
68/ 67				.0			.0	.0		.0									4	4		
66/ 65					.2	.0	.1	.1	.1	.1									13	13		
64/ 63				.0	.1	.2	.0	.1	.1	.0									15	15		
62/ 61			.1	.1	.0	.1	.0	.3	.0										16	16	5	
60/ 59		.0	.1	.2	.1	.1	.3	.2	.0	.0									27	27	5	1
58/ 57		.1	.1	.2	.3	.2		.4	.1										32	32	12	3
56/ 55		.4	.1	.4	.2	.3	.3												39	39	13	3
54/ 53	.1	.5	.3	.3	.3	.4	.2	.3											53	53	32	13
52/ 51	.0	.5	.6	.4	.4	.4	.2												58	58	40	21
50/ 49	.1	.9	.6	.4	.5	.4	.1												69	69	39	21
48/ 47		.9	.4	.4	.5	.8	.2												75	75	74	34
46/ 45	.0	1.2	.7	.7	1.2	.6	.1												101	101	79	51
44/ 43	.3	1.3	.8	1.1	.8	.4	.0												105	105	84	55
42/ 41	.3	1.1	1.3	1.2	1.0	.4													118	118	91	54
40/ 39	.2	2.3	1.4	1.8	.8	.1	.0												150	150	101	60
38/ 37	.3	2.5	1.6	1.5	.8	.2													154	154	162	73
36/ 35	.2	2.2	2.7	1.4	1.1	.0													172	172	156	96
34/ 33	.4	2.4	2.3	2.0	.6														166	166	182	111
32/ 31	.0	2.0	2.3	1.5	.6														144	145	168	99
30/ 29	.1	2.5	2.9	1.8	.2														168	168	155	110
28/ 27	.6	1.6	2.7	1.2	.2														141	141	183	160
26/ 25	.4	1.9	2.4	1.0															126	126	149	159
24/ 23	.0	1.9	1.9	.3															91	91	150	135
22/ 21	.0	1.5	1.2	.2															66	66	126	125
20/ 19	.1	1.2	1.0	.1															54	54	93	110
18/ 17		.4	.6	.0															24	24	54	123
16/ 15	.2	.2	.6																21	21	46	111
14/ 13	.0	.4	.3																17	17	13	113
12/ 11		.3	.1																9	9	21	109

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) MAY (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	01	24.2			20.6						17.7	36.4	5.9	31
	04	21.6			23.9						16.5	38.1	6.0	310
	07	23.9			20.6						15.5	40.0	6.1	310
	10	15.8			21.6						22.0	39.7	6.7	310
	13	14.5			19.0						26.9	39.7	6.9	31
	16	14.5			19.4						26.5	39.7	6.9	310
	19	16.7			19.0						24.9	37.4	6.5	310
	22	23.5			21.0						19.7	35.9	6.0	310
TOTALS		19.6			20.6						21.4	39.4	6.4	2480

PSYCHROMETRIC SUMMARY

2

[illegible] PATUXENT RIVER, MARYLAND [illegible] FEB
STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31			Dry Bulb	Wet Bulb	Dew Point
[illegible]		.2	.1																7	7	9	75
[illegible]		.1	.0																3	3	8	66
[illegible]		.0																	1	1	3	40
[illegible]																					2	35
[illegible]																						26
[illegible]																						15
[illegible]																						1
[illegible]																						0
[illegible]																						0
[illegible]																						0
[illegible]																						4
[illegible]																						2
[illegible]																						1
[illegible]	3.[illegible]	30.4	23.0	18.1	10.0	4.7	1.9	1.[illegible]	.4	.4	.2		.0							2256		225[illegible]
																			2255		2255	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	9958521	143705	63.7	18.846	2255							
Dry Bulb	3311067	82501	36.6	11.419	2256		260.0	6.0	2.4			672.0
Wet Bulb	2565003	72895	32.3	10.079	2255		351.6					672.0
Dew Point	1694016	54784	24.3	12.691	2255	18.8	494.4					672.0

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 72-92 (PERIOD) JUN (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	01	2.0			27.0						21.0	31.0	5.7	300
	04	15.7			29.0						22.7	30.3	5.9	300
	07	19.3			23.3						25.0	32.3	6.2	300
	10	17.7			21.3						24.3	36.7	6.5	300
	13	11.0			24.3						26.7	38.0	6.8	300
	16	14.7			23.7						28.7	33.	6.6	300
	19	17.7			25.0						24.7	32.7	6.2	300
	22	21.3			24.7						27.7	33.3	5.9	300
TOTALS		13.1			24.3						24.2	33.4	6.2	2400

NAVWEASERVCOM

2

PSYCHROMETRIC SUMMARY

18721	PATUXENT RIVER, MARYLAND	73-92	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
[illegible] / 81									.1	.0									4	4		
[illegible] / 79								.1			.0								3	3		
78 / 77									.0	.2									5	5		
76 / 75						.0	.0	.0	.0	.1									6	6		
74 / 73					.0	.0	.0	.1		.1									7	7		
72 / 71						.1	.2	.1	.0	.0	.0								14	14		
70 / 69					.1	.1	.0	.1	.1	.0									12	12		
68 / 67			.0	.1	.1	.3	.3	.0	.1	.0	.0								27	27		
66 / 65				.3	.2	.4	.2	.0	.0	.2									31	31	7	
64 / 63		.1	.3	.2	.2	.3	.2	.2	.2	.1	.0								46	46	6	
62 / 61		.2	.4	.2	.4	.2	.3	.2	.1	.1									51	51	22	5
60 / 59		.2	.5	.4	.4	.3	.3	.2	.2	.0									62	62	33	0
58 / 57	.1	.3	.6	.8	.3	.5	.6	.2	.1										86	86	49	26
56 / 55	.2	.6	.5	.9	.4	.8	.8	.3	.0										113	113	61	30
54 / 53	.2	.8	1.1	.7	1.0	.8	.9	.2	.0										141	141	77	38
52 / 51	.1	1.3	1.1	.8	1.3	.9	.8	.2											158	159	80	52
[illegible] / 49	.4	1.9	1.1	1.0	1.2	1.6	.6	.1											196	196	124	66
[illegible] / 47	.4	2.7	1.5	1.3	1.8	1.3	.2												234	234	163	125
46 / 45	.4	2.1	1.6	1.2	1.8	.5	.1												190	190	202	130
44 / 43	.4	2.0	1.8	1.9	1.9	.6	.0												211	211	215	104
42 / 41	.4	1.1	2.1	1.6	1.4	.2													166	166	200	113
40 / 39	.6	1.3	1.9	1.3	.9	.2													159	159	232	134
38 / 37	.4	1.5	1.4	1.5	.7	.2													139	139	242	183
36 / 35	.2	1.6	1.1	1.4	.5														118	118	192	131
34 / 33	.2	.7	.9	1.5	.2	.2													91	91	139	154
32 / 31	.1	.7	.8	1.1	.2														72	72	111	165
30 / 29		.7	1.0	.5															56	56	101	147
28 / 27		.7	.6	.3															39	39	89	144
26 / 25		.1	.4	.1															13	13	61	161
24 / 23		.0	.3																8	8	29	135
22 / 21		.1	.1																5	5	17	85
20 / 19	.0	.1	.1																6	6	11	84
18 / 17	.2		.1																7	7	7	74
16 / 15	.2		.1																4	4	7	70

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

2

SKY COVER

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] 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	01	21.2			27.2						23.2	27.7	5.6	238
	04	14.7			31.3						21.4	27.4	5.5	231
	07	14.5			23.7						25.3	31.3	6.3	237
	10	14.9			20.4						24.5	30.7	6.2	233
	13	13.8			26.5						34.2	25.2	6.4	237
	16	16.1			24.1						30.2	27.7	6.3	232
	19	14.3			24.1						24.2	34.5	6.4	231
	22	13.4			24.2						23.2	28.7	6.2	231
TOTALS		17.4			27.5						25.1	29.1	6.1	2489

NAVWEASERVCOM

2

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

PAGE 2

HOURS (L S T)

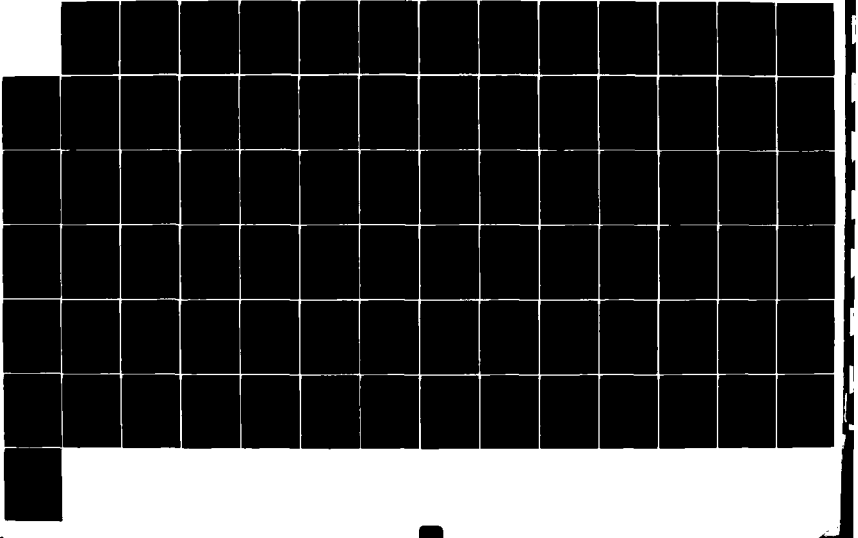
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] 1																			2	47
[illegible] 11																			1	38
[illegible]																				13
[illegible] 7																				15
[illegible]																				3
[illegible]																				5
[illegible]	.5	[illegible]	21.4	19.2	15.[illegible]	9.3	5.6	2.1	1.2	.8	.2								2480		2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11102932	158456	63.9	19.867	2480		63.0	23.4	7.5	2.1		744.0
Dry Bulb	8535533	114419	46.1	10.174	2480		130.8					744.0
Wet Bulb	4314538	101038	40.7	8.940	2480		360.0					744.0
Dew Point	3381223	82511	33.3	11.642	2480							744.0

NAVWEASERVCOM

AD-A150 447 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED F/G 4/2 NL



PSYCHROMETRIC SUMMARY

STATION [illegible] | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-82 (YEARS) | APR (MONTH)

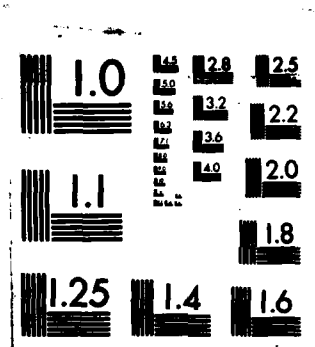
PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] / 89												.0	.0					2	2		
8 / 87											.0							1	1		
6 / 85										.0	.0	.0	.1		.0			6	6		
4 / 83									.0	.1	.2	.2	.0					12	12		
[illegible] / 81								.0	.1	.3		.0	.0					14	14		
[illegible] / 79						.0	.1	.2	.2	.0	.0	.0	.0					16	16		
7 / 77							.1	.3	.1	.2	.1							19	19		
[illegible] / 75					.1	.1	.4	.2	.2	.0	.0		.1					24	24		
[illegible] / 73					.1	.3	.3	.3		.1	.2							30	30		
[illegible] / 71				.2	.3	.3	.1	.2	.1	.4	.2							45	45		
[illegible] / 69			.2	.2	.5	.2	.5	.3	.1	.5	.1							61	61	1	
[illegible] / 67			.4	.7	.5	.4	.3	.3	.3	.4	.1							80	80	12	
6 / 65		.3	.5	.4	.6	.7	.5	.5	.6	.3								105	105	41	
4 / 63		.5	.4	.3	.8	.6	.6	.6	.6	.0								118	118	72	18
[illegible] / 61		.5	.7	1.0	1.1	.6	.6	.5	.3	.0								135	135	77	31
[illegible] / 59	.3	1.2	1.4	.8	1.0	.8	1.3	.3	.3									184	184	73	47
[illegible] / 57	.1	.9	1.5	.8	1.5	1.3	1.3	.6	.0									188	188	128	67
[illegible] / 55	.3	1.0	1.9	1.0	.7	2.0	1.1	.3	.0									202	202	154	99
4 / 53	.2	1.0	2.2	1.6	1.3	1.7	.7	.3										212	212	167	107
[illegible] / 51	.1	1.2	2.2	1.3	2.1	1.3	.7	.1										213	213	180	126
[illegible] / 49	.1	.8	1.5	1.8	2.2	1.0	.2	.1										182	182	222	133
[illegible] / 47	.1	.9	1.4	1.8	1.5	.7	.2											159	159	229	138
[illegible] / 45		.7	1.5	1.5	1.0	.4	.2											132	132	228	128
[illegible] / 43	.1	.7	1.3	.6	.6	.4	.0											88	88	221	138
[illegible] / 41	.2	.2	1.1	.6	.4	.3												64	64	209	129
[illegible] / 39		.3	.6	.7	.7	.3												42	42	144	150
[illegible] / 37	.3	.1	.3	.4	.2	.0												23	23	84	146
[illegible] / 35		.2	.4	.3	.3													26	26	60	171
34 / 33		.0	.1	.1	.1													9	9	42	195
[illegible] / 31				.1	.1													4	4	26	148
[illegible] / 29			.1															1	1	14	105
[illegible] / 27			.1															2	2	9	95
[illegible] / 25																				4	63
[illegible] / 23																				2	48

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM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PSYCHROMETRIC SUMMARY

2

1-721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 YEARS | APR MONTH

HOURS (LST)

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
[illegible] 21																						43
[illegible] 19																						19
[illegible] 17																						22
[illegible] 15																						13
[illegible] 13																						7
[illegible] 11																						5
[illegible] 9																						6
[illegible] 7																						5
[illegible] 5																						1
Tot	1.3	10.3	19.9	16.5	17.0	13.0	9.1	5.7	3.0	2.4	1.0	.3	.3		.0					2399		2399
																			2399		2399	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	[illegible]23946	143178	59.7	19.142	2399							
Dry Bulb	7654842	133516	55.7	9.66[illegible]	2399		2.1	93.0	37.2	12.9		720.0
Wet Bulb	5759315	115927	48.3	8.10[illegible]	2399		16.5	3.9				720.0
Dew Point	4196437	96875	40.4	10.893	2399		172.9					720.0

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	22.3			27.4						22.6	27.7	5.6	310
	04	20.6			33.5						21.0	24.8	5.4	310
	07	15.8			29.7						25.5	29.0	6.1	310
	10	16.1			27.1						32.3	24.5	6.2	310
	13	14.2			27.4						35.8	22.6	6.3	310
	16	14.8			30.6						28.1	26.5	6.1	310
	19	14.5			27.1						26.8	31.6	6.4	310
	22	19.7			29.4						19.4	31.6	5.8	310
TOTALS		17.3			29.0						26.4	27.3	6.0	2480

PSYCHROMETRIC SUMMARY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | MAY

STATION | STATION NAME | YEARS | MONTH

PAGE 1

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
[illegible] / 89									.2	.0								2	2		
8 / 87								.0										1	1		
[illegible] / 85							.0	.1		.1	.0		.1					9	9		
4 / 83				.0	.1	.1	.1	.1	.2	.1	.0	.0						19	19		
[illegible] / 81				.0	.1	.1	.4	.4	.2	.0	.0							34	34		
[illegible] / 79				.1	.4	.6	.7	.4	.1	.1	.0	.1	.0					64	64		
7[illegible] / 77			.[illegible]	.4	.7	.[illegible]	.5	.2	.2	.1	.1							75	75	2	
[illegible] / 75			.[illegible]	.[illegible]	.7	.7	.6	.2	.2	.1	.1							78	78	4	
4 / 73		.2	.8	1.[illegible]	.9	.8	.5	.5	.4	.2	.2							137	137	20	4
3 / 71	.[illegible]	.4	1.7	1.3	.9	.5	.4	.6	.3	.3								164	164	44	11
[illegible] / 69	.3	1.3	2.3	1.[illegible]	1.1	.4	.8	.[illegible]	.3	.1								186	186	99	36
[illegible] / 67	.4	.8	2.[illegible]	1.5	.8	.8	.8	.2	.2	.0								201	201	177	86
6 / 65	.7	1.4	2.4	1.6	1.2	1.[illegible]	.9	.5	.2	.0								247	247	207	139
4 / 63	.[illegible]	2.6	1.6	1.4	1.1	.7	.4	.4	.1	.0								228	228	213	160
[illegible] / 61	1.2	1.7	1.9	1.[illegible]	1.5	.7	.3	.4										224	224	262	219
[illegible] / 59	1.1	1.1	1.6	1.1	1.0	.[illegible]	.6	.1										183	183	221	219
[illegible] / 57	.7	1.[illegible]	1.2	1.2	.9	.[illegible]	.2	.1										169	169	226	215
[illegible] / 55	.7	1.2	1.2	.6	.5	.[illegible]	.1											127	127	220	176
4 / 53	.5	.8	1.[illegible]	1.1	.5	.4	.2											122	122	196	148
[illegible] / 51	.2	.9	.9	.8	.4	.2	.1											88	88	155	139
[illegible] / 49	.[illegible]	.6	.7	.4	.2	.2												63	63	156	158
[illegible] / 47		.3	.4	.3	.1	.1												30	30	114	139
[illegible] / 45	.1	.1	.4	.2	.2													21	21	71	146
-4 / 43		.[illegible]		.1														3	3	41	104
[illegible] / 41			.1	.2														5	5	29	96
[illegible] / 39																				13	72
[illegible] / 37																				7	53
[illegible] / 35																				3	61
34 / 33																					36
[illegible] / 31																					25
[illegible] / 29																					6
[illegible] / 27																					14
[illegible] / 25																					9
[illegible] / 23																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	29.0			25.7						13.3	32.0	5.2	300
	04	30.3			26.3						16.3	27.0	5.0	300
	07	19.3			29.7						23.0	28.0	5.8	300
	10	20.7			25.7						24.0	29.7	5.9	300
	13	14.0			27.7						28.0	30.3	6.4	300
	16	16.7			28.0						25.7	29.7	6.1	300
	19	18.7			28.0						23.3	30.0	5.9	300
	22	25.0			23.7						19.7	31.7	5.6	300
TOTALS		21.7			26.9						21.7	29.8	5.7	2400

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PSYCHROMETRIC SUMMARY

13721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 2

HOURS (LST)

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																					
TOTAL	.3	14.5	20.9	16.5	13.3	10.8	7.7	4.6	2.6	1.3	.6	.2	.1						2480		2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	1 [illegible]	173961	[illegible]	18.66	2480							
Dry Bulb	1 426771	159461	64.3	9.36	2480			291.0	125.7	26.7		744.0
Wet Bulb	914186	144136	58.1	7.83	2480			103.8	7.8			744.0
Dew Point	7259791	132001	53.2	9.71	2480		17.7	41.1	2.4			744.0

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) OCT (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	01	40.0			20.3						11.6	28.1	4.5	310
	04	39.7			16.1						13.5	30.6	4.8	310
	07	20.3			29.7						19.7	30.3	5.7	310
	10	21.9			29.0						20.3	28.7	5.6	310
	13	19.4			22.6						27.7	30.3	6.2	310
	16	23.9			23.5						24.5	28.1	5.7	310
	19	28.4			24.2						18.4	29.0	5.3	310
	22	35.8			20.0						15.2	29.0	4.9	310
TOTALS		28.7			23.2						18.9	29.3	5.3	2480

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PSYCHROMETRIC SUMMARY

STATION | PAT[illegible]NT RIVER, MARYLAND | STATION NAME | 73-[illegible] | YEARS | JUL | MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
[illegible]										.0									1	1		
[illegible]									.[illegible]	.2									6	6		
[illegible]								.[illegible]	.1	.0									8	8		
[illegible]						.[illegible]	.[illegible]	.4											14	14		
[illegible]					.1	.3	.5	.[illegible]	.0	.0									27	27		
[illegible]				.[illegible]	.2	.3	.7	.5	.2	.1									48	48		
[illegible]		.[illegible]		.1	.4	.7	1.[illegible]	.5	.3	.1	.[illegible]								76	76		
[illegible]			.[illegible]	.5	1.2	1.5	1.3	.4	.3	.3	.1								141	141	1	
[illegible]			.[illegible]	1.4	1.6	1.7	1.1	.7	.3	.2									179	179	6	1
7[illegible]		.[illegible]	1.[illegible]	2.2	2.[illegible]	1.[illegible]	.5	.5	.5	.2	.[illegible]								212	212	31	[illegible]
[illegible]	.1	.[illegible]	1.5	3.2	1.6	.7	1.1	.7	.7	.2									249	249	75	[illegible]
[illegible]	.[illegible]	1.5	2.[illegible]	3.4	1.4	.7	1.[illegible]	.7	.2	.0									262	262	189	54
[illegible]	.2	[illegible].5	2.4	2.2	1.1	.[illegible]	1.[illegible]	.4	.2	.1									260	260	296	140
[illegible]	.5	2.[illegible]	2.4	2.1	1.2	.[illegible]	.2	.4	.1										237	237	332	274
[illegible]	.[illegible]	1.3	2.[illegible]	1.[illegible]	1.4	.[illegible]	.3	.1	.[illegible]										198	198	274	30[illegible]
[illegible]	.[illegible]	1.3	1.9	1.2	1.2	.4	.2	.1											161	161	240	240
[illegible]	.[illegible]	.6	1.6	1.4	.[illegible]	.[illegible]	.[illegible]	.1											117	117	240	219
[illegible]	.2	.[illegible]	.9	.9	.[illegible]	.2	.[illegible]												80	80	205	209
[illegible]	.[illegible]	.[illegible]	.[illegible]	.5	.4	.1													56	56	190	169
[illegible]	.1	.2	.[illegible]	.5	.[illegible]	.1	.[illegible]												36	36	133	151
[illegible]		.[illegible]	.4	.2	.3														26	26	96	137
[illegible]			.1	.1		.[illegible]													5	5	48	137
[illegible]		.1																	1	1	35	151
[illegible]																					12	91
[illegible]																					[illegible]	54
[illegible]																					1	47
[illegible]																						[illegible]
[illegible]																						1[illegible]
[illegible]																						[illegible]
[illegible]																						-
[illegible]																						4
34 / 33																						1
TOTAL	.0	11.6	1[illegible].5	20.3	15.7	10.6	9.3	6.1	3.0	1.6	.[illegible]								2400	2400	2400	2400

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1[illegible]4[illegible]3093	16[illegible]796	70.[illegible]	15.634	240[illegible]							
Dry Bulb	12[illegible]54764	174188	72.6	7.14	24[illegible]			575.4	366.9	119.4	2.1	720.[illegible]
Wet Bulb	[illegible]4[illegible]2389	157[illegible]	65.8	[illegible].1[illegible]	[illegible]4[illegible]			361.8	91.[illegible]	1.2		[illegible]
Dew Point	[illegible]257011	147[illegible]3	61.6	7.74	24[illegible]			2[illegible].8	4[illegible].2	.3		720.[illegible]

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2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	37.3			19.7						11.3	31.7	4.8	300
	04	35.7			20.7						12.3	31.3	4.9	300
	07	18.7			29.0						19.7	32.7	5.9	300
	10	19.0			28.3						20.0	32.7	5.9	300
	13	13.7			25.0						27.0	39.3	6.6	300
	16	15.3			23.3						27.3	34.0	6.6	300
	19	29.7			20.0						17.3	33.0	5.5	300
	22	31.3			17.7						17.3	33.7	5.5	300
TOTALS		25.1			23.0						19.0	32.9	5.7	2400

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PSYCHROMETRIC SUMMARY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | JUL

STATION | STATION NAME | YEARS | 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
[illegible]											.0							1	1		
[illegible]											.0							1	1		
[illegible]									.0	.0	.0							3	3		
[illegible]								.1	.1	.0								7	7		
[illegible]							.0	.3	.1	.0		.0						13	13		
[illegible]						.0	.4	.4	.5	.0	.1							36	36		
[illegible]						.3	.6	.7	.5	.0	.1							54	54		
8 / 87			.0	.1	.3	1.3	1.2	.4	.3	.0								92	92		
8 / 80				.2	1.3	2.0	1.1	1.0	.3	.2	.1							154	154		
4 / 83			.2	.9	1.7	1.8	.7	.5	.4	.2	.1							158	158	2	1
[illegible] / 81		.3	.7	2.1	2.3	1.6	.9	.5	.4	.1	.0							216	216	16	
[illegible] / 79		.2	1.9	3.0	2.1	1.3	1.0	.8	.3	.2	.0							269	269	62	6
7 / 77	.1	1.4	2.3	2.8	2.0	.8	.9	.6	.3	.1								293	293	161	39
6 / 75	.2	2.6	2.7	2.4	1.5	.9	1.3	.1	.2									319	319	313	146
4 / 7[illegible]	.4	3.5	2.9	2.1	1.3	1.1	.6	.3	.1									301	301	433	271
[illegible] / 71	.5	3.0	2.3	1.2	.8	.5	.3	.1										221	221	399	382
[illegible] / 69	.6	1.7	1.6	.9	.8	.4	.2	.0										152	152	322	417
[illegible] / 67	.2	.8	1.7	.7	.4	.3	.0											95	95	237	283
6 / 65	.1	.4	.6	.6	.4	.1												54	54	191	222
4 / 62	.2	.3	.3	.2	.1													28	28	150	170
2 / 61	.1	.1	.0	.1	.0													7	7	97	116
[illegible] / 59		.1																2	2	59	129
[illegible] / 57		.2	.1															3	3	28	102
[illegible] / 55																				9	78
[illegible] / 53																				1	45
[illegible] / 51																					33
[illegible]																					24
[illegible] / 47																					8
[illegible] / 45																					3
4 43																					1
[illegible]	.2	14.2	1[illegible].5	17.4	15.1	12.4	9.1	[illegible].0	[illegible].6	.9	.3	.0							2479		2479
																		2479		2479	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]773[illegible]76	179525	72.4	15.18[illegible]	247[illegible]			715.8	575.3	259.0	7.5	744.[illegible]
Dry Bulb	13[illegible]16738	191644	77.3	6.[illegible]94	247[illegible]			883.7	296.2	11.1		744.0
Wet Bulb	12[illegible]11[illegible]3	174845	70.5	[illegible].35[illegible]	247[illegible]			463.4	103.3	2.1		744.0
Dew Point	11256253	166259	67.1	6.74	247[illegible]							

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2

SKY COVER

13721 PATUXENT RIVER, MARYLAND 73-82 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	01	33.5			15.2						13.2	38.1	5.5	310
	04	28.4			19.4						14.5	37.7	5.7	310
	07	15.5			28.4						22.6	33.5	6.2	310
	10	20.6			20.3						20.3	38.7	6.3	310
	13	14.8			24.5						20.6	40.0	6.6	310
	16	17.7			22.9						21.0	38.4	6.4	310
	19	23.6			23.6						15.5	37.2	5.8	309
	22	28.2			18.1						13.9	39.8	5.8	309
TOTALS		22.8			21.6						17.7	37.9	6.0	2478

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-[illegible]	AUG

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
8[illegible] / 87											.0								1	1		
[illegible] / 9								.0	.1										3	3		
[illegible] / 9[illegible]						.1		.1	.2	.2									15	15		
[illegible] / 9[illegible]					.0	.0	.2	.2	.3	.1									26	26		
[illegible] / 8[illegible]					.1	.0	.6	.6	.3	.1	.0								58	58		
8[illegible] / 97					.4	.0	1.2	.4	.2	.0									82	82		
6[illegible] / 9[illegible]				.0	1.3	1.7	.9	.6	.2	.2									127	127		
4[illegible] / 8[illegible]			.0	.0	2.4	1.2	.8	.7	.4	.1	.1								170	170	2	
[illegible] / 2[illegible]		.0	.1	2.7	2.1	1.0	.9	.8	.1										211	211	8	1
[illegible] / 7[illegible]		.3	2.5	2.8	1.6	1.0	.4	.3	.1	.0									236	236	67	6
7[illegible] / 77		1.2	3.3	3.1	1.4	.7	.7	.3	.3	.0									275	275	171	45
6[illegible] / 7[illegible]	.4	3.6	4.7	2.7	1.3	1.2	.4	.0											353	353	338	136
4[illegible] / 7[illegible]	.9	3.3	4.2	1.7	1.3	.7	.3	.2	.0										316	316	443	345
[illegible] / 7[illegible]	1.[illegible]	2.3	2.3	1.5	.3	.2	.3	.0	.0										210	210	414	428
[illegible] / 6[illegible]	.5	1.2	1.6	1.4	1.[illegible]	.[illegible]	.1	.0											156	156	306	387
[illegible] / 67	.[illegible]	.7	1.8	.9	.3	.4	.0	.0	.0										118	118	225	253
6[illegible] / 6[illegible]	.1	.8	.6	.5	.2	.0	.0												56	56	179	190
4[illegible] / 6[illegible]	.1	.2	.3	.4	.1		.0	.0											29	29	135	182
2[illegible] / 6[illegible]	.0	.4	.4	.2			.0												26	26	82	150
[illegible] / 5[illegible]		.1	.1	.1			.0												8	8	53	122
[illegible] / 57						.1													2	2	33	63
[illegible] / 55			.[illegible]	.0															2	2	13	53
[illegible] / 53																					3	34
[illegible] / 51																					2	30
[illegible] / 49																					5	12
[illegible] / 47																					1	7
[illegible] / 45																						3
[illegible] / 43																						3
[illegible] / 41																						1
[illegible] / 39																						4
[illegible] / 37																						2
[illegible] / 35																						2
TOTAL	.[illegible]	14.2	22.7	19.1	14.6	10.6	7.2	4.6	2.4	.9	.2								2480	2480	2480	2480

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	14337523	185126	74.6	14.45[illegible]	248[illegible]			707.1	561.[illegible]	247.2	5.7	744.0
Dry Bulb	14[illegible]2341	19[illegible]412	76.8	6.46[illegible]	248[illegible]			592.2	308.7	11.7		744.0
Wet Bulb	1244568[illegible]	17[illegible]215	70.7	9.18	248[illegible]			480.9	231.0	1.8		744.0
Dew Point	11409256	167484	67.5	6.[illegible]03	248[illegible]							

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2

SKY COVER

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 PERIOD | ALL 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	24.1			18.6						14.3	43.1	6.1	2478
FEB		26.4			20.3						15.6	37.8	5.8	2256
MAR		22.9			17.0						14.9	45.2	6.4	2480
APR		26.2			21.0						18.8	34.1	5.7	2400
MAY		19.6			20.6						21.4	38.4	6.4	2480
JUN		18.1			24.3						24.2	33.4	6.2	2400
JUL		17.4			27.5						26.1	29.1	6.1	2480
AUG		17.3			29.0						26.8	27.3	6.0	2480
SEP		21.7			26.9						21.7	29.8	5.7	2400
OCT		28.7			23.2						18.9	29.3	5.3	2480
NOV		25.1			23.0						19.0	32.9	5.7	2400
DEC		22.8			21.6						17.7	37.9	6.0	2478
TOTALS		22.5			22.8						19.9	34.9	6.0	29212

PSYCHROMETRIC SUMMARY

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] SEP
STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 95									.0									1	1		
[illegible] / 93							.0			.0								2	2		
[illegible] / 91								.0			.0							2	2		
[illegible] / 89							.1	.2	.0	.1		.0						10	10		
[illegible] / 87						.1	.3	.2	.3	.0								23	23		
[illegible] / 85			.0		.3	.3	.2	.3	.1	.1	.1							34	34		
[illegible] / 83			.1	.2	.6	.4	.5	.3	.3									54	54		
[illegible] / 81			.1	.6	1.2	.6	.5	.6	.3	.0								95	95	3	
[illegible] / 79		.0	.6	1.3	1.2	1.8	.3	.3	.1	.0								133	133	5	2
[illegible] / 77	.2	.5	1.0	1.0	1.5	.9	.6	.4	.2									151	151	40	10
[illegible] / 75	.3	.8	1.6	1.3	1.3	.8	1.3	.4	.1	.1								192	192	86	41
[illegible] / 73	.7	1.6	1.6	2.3	1.1	.6	.9	.1	.0	.0								219	219	161	64
[illegible] / 71	1.0	2.5	2.7	2.5	1.2	.8	.9	.2	.0	.1								262	262	236	154
[illegible] / 69	1.4	1.7	2.6	1.8	1.2	1.1	.3	.3	.2									251	252	259	225
[illegible] / 67	.6	1.5	3.7	2.0	.8	1.0	.3	.3	.0									242	243	254	171
[illegible] / 65	.8	2.3	3.4	2.3	.8	.3	.2	.1										245	245	253	246
[illegible] / 63	.4	1.5	1.9	1.4	.8	.4	.3	.0										159	159	277	237
[illegible] / 61	.5	1.2	1.5	.8	.4	.3	.0											113	113	234	229
[illegible] / 59	.1	.5	.9	1.0	.2	.3												71	71	187	204
[illegible] / 57	.1	.5	.7	.5	.4	.3												57	57	146	190
[illegible] / 55		.3	.5	.4	.2	.0												35	35	82	140
[illegible] / 53		.1	.2	.1	.3													16	16	76	119
[illegible] / 51			.1	.1	.0													6	6	44	114
[illegible] / 49			.1	.1	.0													5	5	30	63
[illegible] / 47																				13	46
46 / 45																				8	36
[illegible] / 43																				4	21
[illegible] / 41																					26
[illegible] / [illegible]																					23
[illegible] / 37																					14
[illegible] / 35																					7
[illegible]	.0	1[illegible].1	23.5	19.6	1[illegible].5	9.7	6.7	3.6	1.7	.5	.1	.0							2400		2398
																		2398		2398	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1[illegible]29461	178245	74.3	15.560	2399							
Dry Bulb	12089917	169445	70.6	7.268	2400			507.9	274.8	84.9	.9	720.0
Wet Bulb	1[illegible]209736	155672	64.9	6.584	2398			313.5	88.6	1.5		720.0
Dew Point	9194175	147209	61.4	8.100	2398			206.3	60.4	.6		720.0

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NOCD, Federal Building
Asheville, N. 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 presentation 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 deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

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

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. 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 require two pages in some cases.

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

PSYCHROMETRIC SUMMARY

STATION [illegible] PATUXENT RIVER, MARYLAND STATION NAME 73-77 YEARS OCT MONTH

PAGE 1 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
[illegible] / 8								.0		.0								2	2		
[illegible] / 83						.0	.2	.2		.0	.0	.0						12	12		
[illegible] / 81						.1	.0		.0									4	4		
[illegible] / 7[illegible]			.0		.0	.1	.1	.1	.2									15	15		
[illegible] / 77				.1	.2	.2	.2	.1	.1	.0								24	24		
[illegible] / 75			.1	.3	.4	.2	.2	.1	.1									36	36	1	
[illegible] / 73		.1	.3	.7	.2	.4	.3	.1	.0	.0								56	56	3	1
[illegible] / 71		.2	.5	.7	.4	.5	.3	.2	.1	.1								75	75	21	3
[illegible] / 69		.4	1.0	.8	.6	.6	.6	.2	.1									106	106	45	17
[illegible] / 67	.3	1.0	1.4	.8	.6	.5	.2	.2	.1									126	126	70	37
67 / 65	.6	1.7	1.5	1.3	.6	.8	.5	.2	.1									181	181	105	76
[illegible] / 63	.4	2.8	1.2	1.5	.9	.8	.6	.2	.1									210	210	167	102
[illegible] / 61	.7	1.5	1.2	1.3	.8	1.3	.6	.2	.1									188	188	171	150
[illegible] / 59	.6	1.4	1.9	1.0	1.3	1.2	.6	.2	.0									206	206	144	118
[illegible] / 57	.3	1.5	1.2	1.5	1.0	.6	.8	.0										196	196	178	134
[illegible] / 55	.4	.9	1.5	1.5	1.4	.8	.3											169	169	166	133
[illegible] / 53	.4	1.0	2.1	2.3	1.3	.8	.3											201	201	175	158
[illegible] / 51	.4	.9	2.3	1.0	.8	.2												163	163	205	124
[illegible] / 49	.3	.9	2.4	1.7	.7	.4	.0											160	160	213	139
[illegible] / 47	.4	1.2	.8	1.3	.9	.2												121	121	217	147
[illegible] / 45	.2	.7	.7	1.0	.4													76	76	195	155
[illegible] / 43	.3	.4	.6	.8	.1													56	56	128	190
[illegible] / 41	.2	.5	.5	.7	.1													50	50	95	167
[illegible] / 39	.1	.3	.5	.2														26	26	84	149
[illegible] / 37		.1	.3	.1														12	12	44	102
[illegible] / 35		.1	.1															5	5	32	101
[illegible] / 33	.0		.1															4	4	16	89
[illegible] / 31																				3	67
[illegible] / 29																				2	52
[illegible] / 27																					41
[illegible] / 25																					20
[illegible] / 23																					7
21 / 21																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 YEARS | OCT MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	5.8	17.5	22.9	21.5	13.0	10.0	5.8	2.2	1.0	.2	.0	.0						2480	2480	2480	2480

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	13141267	175507	70.8	17.052	2480							
Dry Bulb	9662575	144845	58.4	9.046	2480			136.8	44.7	6.6		744.0
Wet Bulb	7164319	131593	53.1	8.563	2480		1.5	42.0	1.2			744.0
Dew Point	6026237	119401	48.1	10.582	2480		56.4	17.4	.6			744.0

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1478 2097-53321

2

PSYCHROMETRIC SUMMARY

1 721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
NOV — MONTH
PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81									.0									1	1		
/ 79								.0										1	1		
7 / 77					.0	.0	.0	.2	.1		.1							12	12		
/ 75				.0	.0	.0		.1										5	5		
4 / 73				.1	.1	.1	.0	.0	.0									10	10		
/ 71			.1	.1	.3	.1	.1	.1	.0	.1								20	20		
/ 69		.1	.3	.3	.2	.3	.3		.1									34	34	5	
/ 67		.2	.2	.5	.5	.3	.3	.1	.1									58	58	12	3
5 / 65	.1	.8	.6	.3	.2	.3	.3	.1	.3									73	73	25	17
/ 63	.3	1.3	.5	.5	.3	.3	.4	.1	.2									91	91	62	39
/ 61	.3	1.2	.5	.8	.7	.3	.3	.3										104	104	79	50
/ 59	.3	1.1	.8	.3	.5	.5	.3	.2										110	110	86	70
/ 57	.4	1.2	1.2	.8	.6	.6	.4	.1										121	121	91	54
5 / 55	.4	.9	1.2	.7	.6	.8	.4	.1										126	126	103	74
4 / 53	.2	1.6	1.7	1.0	.9	1.1	.5											165	165	109	71
2 / 51	.2	1.3	1.9	1.2	1.3	.8	.2											166	166	119	93
7 / 49	.5	1.8	1.9	1.5	1.6	1.3	.1											207	207	158	108
/ 47	.3	1.8	1.5	1.7	1.8	.9	.3											190	190	163	116
5 / 45	.2	1.3	2.4	2.1	1.5	.8												198	199	183	121
4 / 43	.2	1.3	1.4	1.6	1.8	.1												153	153	177	121
2 / 41	.3	1.2	1.4	2.0	1.3	.2												150	150	203	104
8 / 39	.2	.7	1.1	2.2	.5													113	113	197	144
3 / 37	.2	.8	1.1	1.7	.4													99	99	162	128
6 / 35	.2	.4	1.3	.9	.1													66	66	144	143
34 / 33	.1	.6	1.4	.4	.0													60	60	119	142
2 / 31	.1	.5	.5	.2														31	31	97	134
/ 29		.3	.4	.2														20	20	63	108
1 / 27		.2	.1															8	8	24	131
/ 25	.1	.1																4	4	16	127
24 / 23	.1																	1	1	9	121
2 / 21		.1	.1															2	2	1	81
/ 19																				1	49
/ 17																					19
1 / 15																					11

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

2

1 721 | PATUXENT RIVER, MARYLAND | 73-02 | NOV

STATION | STATION NAME | YEARS | MONTH

PAGE 2

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
[illegible] 13																					12
1[illegible] 11																					4
[illegible] 9																					2
TOTAL	4.6	20.4	23.7	21.6	15.0	8.8	3.5	1.5	.8	.1	.1								2400		2399
																		2399		2399	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	11334707	162823	67.9	18.079	2399							
Dry Bulb	6283508	120450	50.2	9.969	2400		19.8	42.3	8.7	.8		720.0
Wet Bulb	5110606	108316	45.2	9.580	2399		63.3	4.5				720.0
Dew Point	4013526	93714	39.1	12.127	2399		239.8	.9				720.0

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
17721	PATUXENT RIVER, MARYLAND	73-82	DEC

PAGE 1

HOURS (L S T)

Temp.	WET BULB TEMPERATURE DEPRESSION (F)	TOTAL	TOTAL

PSYCHROMETRIC SUMMARY

1721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PAGE 2 (HOURS LST)

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
[illegible]																					21
[illegible]																					12
[illegible]																					9
[illegible]																					4
[illegible]																					3
[illegible]																					1
[illegible]																					2
TOTAL	3.3	26.3	28.9	22.3	11.3	5.0	1.6	.5	.2										2478		2477
																		2477		2477	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11788357	165111	66.7	17.776	2477							
Dry Bulb	4414570	101604	41.0	10.017	2478		139.9	9.0	.9			744.0
Wet Bulb	3578051	91081	36.8	9.615	2477		248.7	.6				744.0
Dew Point	2598247	73997	29.9	12.513	2477	3.0	439.7					744.0

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1946-1982	JANUARY

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	38.1	3.4	45.0	7.2	67	19.4	1966	31.1	-.5	16	-8.9	1977
2	36.9	2.7	43.8	6.6	62	16.7	1979*	30.1	-1.1	14	-10.0	1968
3	38.0	3.3	45.4	7.4	66	18.9	1951	30.6	-.8	12	-11.1	1979
4	37.5	3.1	44.7	7.1	72	22.2	1950	30.3	-.9	12	-11.1	1981
5	36.1	2.3	43.2	6.2	74	23.3	1950	28.9	-1.7	10	-12.2	1969
6	37.6	3.1	44.8	7.1	71	21.7	1950	30.4	-.9	11	-11.7	1959
7	37.8	3.2	44.9	7.2	66	18.9	1950*	30.7	-.7	15	-9.4	1977*
8	34.9	1.6	41.4	5.2	64	17.8	1965	28.5	-1.9	5	-15.0	1970
9	35.4	1.9	42.6	5.9	67	19.4	1969	28.1	-2.2	5	-15.0	1970
10	35.1	1.7	42.2	5.7	70	21.1	1950	28.0	-2.2	4	-15.6	1970
11	34.6	1.4	41.2	5.1	68	20.0	1975	28.1	-2.2	6	-14.4	1982
12	33.5	.8	40.5	4.7	60	15.6	1963	26.4	-3.1	9	-12.8	1968
13	34.6	1.4	41.5	5.3	66	18.9	1972	27.7	-2.4	7	-13.9	1981
14	36.3	2.4	43.5	6.4	70	21.1	1950	29.1	-1.6	14	-10.0	1964
15	36.2	2.3	43.4	6.3	74	23.3	1952	29.1	-1.6	10	-12.2	1982
16	34.6	1.4	42.3	5.7	72	22.2	1953	26.8	-2.9	2	-16.7	1977
17	34.0	1.1	40.5	4.7	64	17.8	1949	27.5	-2.5	11	-11.7	1972
18	34.6	1.4	42.2	5.7	64	17.8	1951*	27.0	-2.8	7	-13.9	1982
19	35.6	2.0	42.9	6.1	69	20.6	1951	28.2	-2.1	6	-14.4	1977
20	36.4	2.4	43.5	6.4	71	21.7	1951	29.2	-1.6	10	-12.2	1967
21	37.0	2.8	45.1	7.3	69	20.6	1959	28.9	-1.7	6	-14.4	1970
22	37.0	2.8	44.7	7.1	65	18.3	1959	29.2	-1.6	10	-12.2	1970
23	37.3	2.9	45.4	7.4	75	23.9	1974	29.2	-1.6	15	-9.4	1977
24	36.6	2.6	44.2	6.8	72	22.2	1950	29.1	-1.6	9	-12.8	1963
25	38.6	3.7	46.4	8.0	77	25.0	1950	30.8	-.7	12	-11.1	1961
26	39.7	4.3	48.0	8.9	78	25.6	1950	31.5	-.3	13	-10.6	1982
27	38.1	3.4	46.3	7.9	75	23.9	1974	29.9	-1.2	12	-11.1	1982*
28	36.0	2.2	43.9	6.6	72	22.2	1949	28.2	-2.1	12	-11.1	1977*
29	35.8	2.1	43.9	6.6	74	23.3	1975	27.7	-2.4	4	-15.6	1977
30	36.1	2.3	43.7	6.5	72	22.2	1947	28.4	-2.0	10	-12.2	1977
31	34.1	1.2	41.2	5.1	70	21.1	1947	26.9	-2.8	10	-12.2	1948
Monthly	36.3	2.4	43.6	6.4	78	25.6	1950	28.9	-1.7	2	-16.7	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

PSYCHROMETRIC SUMMARY

2

17721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
ALL — 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 / 101											.0							1	1			
1 / 99											.0							1	1			
9 / 97									.0	.0	.0							4	4			
4 / 95								.0	.0	.0								12	12			
1 / 93						.0	.0	.0	.0	.0		.0						36	36			
1 / 91					.0	.0	.1	.1	.1	.0	.0							72	72			
1 / 89					.0	.1	.1	.2	.1	.0	.0	.0	.0					140	140			
5 / 87			.1	.1	.1	.2	.3	.1	.1	.0	.0							226	226			
5 / 85			.1	.2	.3	.4	.2	.2	.1	.1	.0	.0	.0		.0			380	380			
4 / 83		.1	.3	.2	.4	.4	.3	.2	.1	.1	.0	.0	.0					501	501	4	1	
1 / 81		.2	.2	.5	.6	.4	.3	.2	.1	.1	.0	.0	.0					720	720	28	1	
1 / 79		.0	.4	.7	.6	.5	.3	.2	.1	.1	.0	.0	.0					916	916	142	14	
7 / 77	.1	.3	.7	.9	.7	.4	.3	.2	.2	.1	.0							1069	1069	405	95	
74 / 75	.1	.6	1.0	.9	.6	.4	.4	.2	.1	.0	.0		.0					1263	1263	817	348	
74 / 73	.1	.6	1.0	.9	.5	.4	.3	.2	.1	.0	.0		.0					1349	1349	1249	759	
72 / 71	.2	.9	1.0	.8	.5	.3	.3	.2	.1	.1	.0							1299	1299	1410	1118	
70 / 69	.3	.7	1.0	.7	.6	.4	.3	.2	.1	.1	.0							1212	1213	1369	1356	
68 / 67	.3	.5	1.2	.7	.5	.4	.2	.1	.1	.0	.0							1166	1167	1261	1136	
67 / 65	.2	.7	1.1	.7	.5	.4	.2	.1	.1	.0								1195	1195	1261	1130	
66 / 63	.2	.5	.7	.7	.4	.3	.2	.2	.1	.0	.0							1064	1064	1333	1137	
64 / 61	.2	.4	.7	.6	.5	.3	.2	.2	.0	.0								973	973	1256	1169	
62 / 59	.2	.6	.7	.5	.4	.4	.3	.1	.0	.0								952	952	1079	1099	
60 / 57	.2	.5	.7	.6	.4	.4	.3	.1	.0									951	951	1039	1051	
58 / 55	.1	.6	.7	.5	.4	.5	.3	.1	.0									941	941	952	959	
56 / 53	.1	.6	.8	.6	.5	.5	.3	.1	.0									1027	1027	960	908	
54 / 51	.1	.7	.8	.5	.6	.4	.2	.0										977	977	943	914	
52 / 49	.2	.7	.8	.6	.6	.5	.1	.0										1037	1037	1058	917	
50 / 47	.1	.9	.6	.7	.7	.4	.1											1026	1026	1094	905	
48 / 45	.1	.8	.8	.8	.4	.2	.1											988	989	1133	911	
46 / 43	.2	.8	.7	.7	.5	.2	.0											929	929	1098	859	
44 / 41	.3	.6	.9	.6	.6	.1												917	917	1105	863	
42 / 39	.3	.7	.7	.9	.4	.1	.0											869	870	1090	935	
40 / 37	.2	.8	.7	.9	.3	.0												869	869	1067	879	
38 / 35	.1	.7	.9	.7	.3	.0												775	775	975	934	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1946-1982	FEBRUARY

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	35.5	1.9	43.0	6.1	62	16.7	1982	28.0	-2.2	9	-12.8	1965
2	35.4	1.9	42.1	5.6	70	21.1	1967	28.6	-1.9	9	-12.8	1971
3	33.4	.8	40.6	4.8	58	14.4	1982	26.2	-3.2	12	-11.1	1965
4	34.3	1.3	42.2	5.7	62	16.7	1976	26.4	-3.1	12	-11.1	1981*
5	34.4	1.3	41.7	5.4	62	16.7	1964	27.2	-2.7	8	-13.3	1947
6	36.9	2.7	44.9	7.2	60	15.6	1960	29.0	-1.7	11	-11.7	1977
7	36.3	2.4	43.4	6.3	58	14.4	1965*	29.1	-1.6	11	-11.7	1977
8	34.6	1.4	41.9	5.5	66	18.9	1965	27.3	-2.6	11	-11.7	1977
9	35.1	1.7	42.4	5.8	66	18.9	1949	27.8	-2.3	14	-10.0	1977*
10	36.2	2.3	44.3	6.8	70	21.1	1959	28.1	-2.2	9	-12.8	1979
11	36.7	2.6	45.2	7.3	66	18.9	1977*	28.2	-2.1	7	-13.9	1979
12	34.9	1.6	42.4	5.8	65	18.3	1965	27.4	-2.6	9	-12.8	1979
13	37.1	2.8	44.9	7.2	71	21.7	1949	29.4	-1.4	11	-11.7	1979
14	38.2	3.4	47.7	8.7	68	20.0	1946	28.7	-1.8	10	-12.2	1979
15	39.2	4.0	46.9	8.3	76	24.4	1954	31.5	-.3	18	-7.8	1969*
16	38.7	3.7	46.6	8.1	76	24.4	1976*	30.8	-.7	13	-10.6	1963
17	37.8	3.2	44.9	7.2	80	26.7	1976	30.8	-.7	7	-13.9	1958
18	38.1	3.4	46.2	7.9	77	25.0	1976	30.0	-1.1	6	-14.4	1979
19	39.6	4.2	47.6	8.7	72	22.2	1961	31.5	-.3	14	-10.0	1979
20	37.9	3.3	45.6	7.6	68	20.0	1971	30.2	-1.0	6	-14.4	1979
21	37.9	3.3	45.8	7.7	67	19.4	1953	30.0	-1.1	10	-12.2	1968
22	39.5	4.2	47.7	8.7	70	21.1	1974	31.3	-.4	10	-12.2	1963
23	39.4	4.1	47.4	8.6	73	22.8	1977	31.4	-.3	15	-9.4	1963
24	40.2	4.6	48.5	9.2	65	18.3	1975	31.9	-.1	18	-7.8	1947
25	41.3	5.2	49.5	9.7	74	23.3	1977	33.1	.6	12	-11.1	1967
26	40.8	4.9	48.6	9.2	72	22.2	1946	33.0	.6	10	-12.2	1970
27	40.9	4.9	49.3	9.6	74	23.3	1977*	32.5	.3	14	-10.0	1963
28	42.4	5.8	51.6	10.9	78	25.6	1948	33.1	.6	21	-6.1	1950
29	41.1	5.1	49.6	9.8	77	25.0	1976*	32.7	.4	19	-7.2	1980
30												
31												
Monthly	37.6	3.1	45.5	7.5	80	26.7	1976	29.8	-1.2	6	-14.4	1979

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME PATUXENT RIVER, MARYLAND YEARS [illegible] MONTH ALL

PAGE 2 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.. W B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] 33	.1	.5	.9	.7	.2	.0												681	681	939	1015
32 / 31	.1	.3	.6	.5	.1													551	552	824	933
[illegible] / 29	.1	.5	.7	.4	.0													509	511	704	807
[illegible] / 27	.1	.4	.6	.3	.0													427	427	623	841
[illegible] / 25	.1	.4	.6	.2														343	343	494	826
24 / 23	.0	.3	.5	.1														256	256	428	746
22 / 21	.0	.3	.3	.0														184	184	353	653
20 / 19	.0	.2	.2	.0														128	128	255	504
18 / 17	.0	.1	.2	.0														81	81	143	490
16 / 15	.0	.1	.1															65	65	113	384
[illegible] / 13	.0	.1	.1															47	47	61	362
12 / 11	.0	.1	.0															25	25	59	333
[illegible] / 9		.1	.0															21	21	29	260
8 / 7		.0	.0															11	11	21	185
[illegible] / 5		.0	.0															9	9	11	139
4 / 3	.0	.0																2	2	12	93
[illegible] / 1		.0																2	2	1	77
[illegible] / -1	.0																	2	2	4	33
-2 / -3	.0																	2	2	2	42
-4 / -5																					24
-6 / -7																					23
-8 / -9																					14
-10 / -11																					9
-12 / -13																					6
-14 / -15																					5
-16 / -17																					4
-18 / -19																					3
-20 / -21																					2
-22 / -27																					1
TOTAL	.3	.3	23.5	19.2	13.4	9.0	5.7	3.2	1.7	.8	.2	.1	.0		.0				29210		29203
																		29203		29203	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	144272581	1998867	68.4	17.994	29203							
Dry Bulb	103990076	1667666	57.1	17.336	29210	1.2	798.9	3111.0	2007.2	759.4	16.2	8760.0
Wet Bulb	85160703	1504991	51.5	16.132	29203	1.8	1239.7	2006.0	793.7	25.5		8760.0
Dew Point	71790978	1340378	45.9	18.753	29203	49.1	2336.5	1448.8	530.9	4.8		8760.0

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2

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	32.3	33.8	43.0	51.5	60.0	68.1	72.9	72.7	67.2	55.0	47.5	39.0	53.7
	S. D.	10.161	10.341	9.199	8.071	6.898	5.665	4.428	4.615	5.850	8.138	9.151	9.758	16.171
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	31.5	32.8	41.6	49.9	58.7	66.8	71.7	71.6	66.0	54.0	46.4	38.2	52.5
	S. D.	10.307	10.731	9.215	8.070	6.936	5.685	4.505	4.489	5.971	8.161	9.141	9.834	16.120
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	31.0	31.8	41.6	52.0	61.5	70.2	74.3	73.5	67.0	54.0	45.7	37.5	53.4
	S. D.	10.648	10.771	9.222	7.831	6.657	5.078	4.179	4.271	5.792	8.101	9.359	10.252	17.211
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	35.4	38.3	48.4	58.9	67.2	75.5	80.2	79.8	73.6	61.5	52.7	42.6	59.6
	S. D.	10.137	11.204	10.051	9.434	7.781	5.981	5.146	5.276	6.540	7.858	9.141	9.425	17.507
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	38.7	41.9	51.5	61.7	70.1	78.3	83.1	82.9	76.7	64.9	56.3	45.9	62.8
	S. D.	10.369	11.697	10.502	9.623	7.992	6.311	5.513	5.837	6.782	8.452	9.922	9.877	17.552
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	38.5	41.8	51.4	61.5	69.7	78.0	83.0	82.3	75.8	63.7	54.8	44.7	62.2
	S. D.	10.258	11.354	9.586	9.356	7.920	6.384	5.350	5.464	6.341	8.052	9.336	9.178	17.394
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	34.5	36.9	46.8	56.4	65.3	74.0	78.8	77.2	70.3	57.9	49.7	40.6	57.5
	S. D.	10.027	10.131	8.670	8.334	6.972	5.618	4.648	4.899	5.825	7.699	8.822	9.103	17.012
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	33.2	35.2	44.7	53.4	61.9	69.8	74.6	74.2	68.3	56.1	48.8	39.5	55.1
	S. D.	10.003	10.379	9.030	8.224	7.014	5.628	4.434	4.635	5.724	7.981	9.327	9.381	16.319
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	34.4	36.6	46.1	55.7	64.3	72.6	77.3	76.8	70.6	58.4	50.2	41.0	57.1
	S. D.	10.600	11.419	10.174	9.666	8.369	7.146	6.394	6.470	7.269	9.046	9.969	10.017	17.337
	TOTAL OBS	2478	2256	2480	2399	2480	2400	2479	2480	2400	2480	2400	2478	29210

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	APRIL

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	51.0	10.6	60.1	15.6	86	30.0	1978	41.9	5.5	28	-2.2	1969
2	54.5	12.5	64.4	18.0	84	28.9	1969	44.5	6.9	32	.0	1964
3	53.6	12.0	63.2	17.3	90	32.2	1967	44.1	6.7	31	-.6	1961
4	52.2	11.2	60.7	15.9	84	28.9	1956	43.7	6.5	29	-1.7	1954
5	52.1	11.2	61.3	16.3	78	25.6	1969	42.8	6.0	31	-.6	1975
6	51.4	10.8	59.5	15.3	84	28.9	1947	43.2	6.2	29	-1.7	1982
7	50.7	10.4	59.6	15.3	78	25.6	1947	41.8	5.4	27	-2.8	1982
8	52.2	11.2	60.9	16.1	86	30.0	1954	43.4	6.3	30	-1.1	1982*
9	51.5	10.8	60.2	15.7	87	30.6	1959	42.8	6.0	31	-.6	1982*
10	51.7	10.9	60.1	15.6	81	27.2	1969*	43.3	6.3	34	1.1	1977
11	53.0	11.7	62.1	16.7	83	28.3	1978	43.9	6.6	33	.6	1960
12	53.9	12.2	62.6	17.0	85	29.4	1965	45.3	7.4	32	.0	1982
13	52.9	11.6	61.2	16.2	83	28.3	1977	44.6	7.0	31	-.6	1950
14	54.9	12.7	63.5	17.5	87	30.6	1960	46.3	7.9	26	-3.3	1950
15	55.3	12.9	64.0	17.8	88	31.1	1967	46.6	8.1	32	.0	1950
16	54.8	12.7	63.8	17.7	84	28.9	1976	45.8	7.7	35	1.7	1950
17	56.0	13.3	64.9	18.3	87	30.6	1976	47.2	8.4	31	-.6	1980
18	58.0	14.4	68.0	20.0	90	32.2	1964	48.0	8.9	34	1.1	1951
19	58.8	14.9	68.1	20.1	86	30.0	1972	49.6	9.8	36	2.2	1956
20	57.4	14.1	66.2	19.0	84	28.9	1952	48.6	9.2	32	.0	1953
21	57.3	14.1	66.7	19.3	84	28.9	1957	48.0	8.9	34	1.1	1956
22	58.9	14.9	67.6	19.8	89	31.7	1973	50.1	10.1	36	2.2	1953
23	60.2	15.7	69.1	20.6	87	30.6	1952	51.4	10.8	40	4.4	1978*
24	59.4	15.2	68.3	20.2	84	28.9	1960*	50.6	10.3	37	2.8	1956
25	59.0	15.0	67.2	19.6	91	32.8	1960	50.8	10.4	37	2.8	1956
26	58.6	14.8	66.7	19.3	84	28.9	1951	50.5	10.3	41	5.0	1978
27	57.3	14.1	64.7	18.2	91	32.8	1969	50.0	10.0	40	4.4	1978
28	56.9	13.8	64.6	18.1	85	29.4	1956	49.2	9.6	38	3.3	1946
29	57.9	14.4	65.8	18.8	91	32.8	1974	50.0	10.0	38	3.3	1982
30	58.9	14.9	67.2	19.6	85	29.4	1974	50.7	10.4	42	5.6	1961
31												
Monthly	55.4	13.0	64.1	17.8	91	32.8	1974*	46.6	8.1	26	-3.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.6	30.6	38.8	46.2	55.9	63.9	68.8	69.1	63.5	51.4	43.7	35.6	49.9
	S. D.	10.072	9.720	8.689	7.781	7.060	6.125	4.716	4.901	6.450	8.494	9.399	9.761	15.983
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
04	MEAN	28.9	29.9	38.0	45.3	55.1	63.1	68.1	68.5	62.8	50.8	43.0	35.0	49.1
	S. D.	10.277	10.122	8.959	7.968	7.408	6.103	4.898	4.906	6.656	8.640	9.489	9.824	16.070
	TOTAL OBS	308	282	310	300	310	300	310	310	299	310	300	310	3649
07	MEAN	28.5	29.2	38.1	47.0	57.2	65.3	69.8	69.8	63.8	50.9	42.6	34.4	49.8
	S. D.	10.584	10.313	9.085	7.858	7.295	5.705	4.715	4.886	6.527	8.541	9.635	10.173	16.836
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
10	MEAN	31.7	33.5	42.2	49.9	59.5	67.2	71.8	72.1	66.3	54.8	46.8	38.0	52.9
	S. D.	9.938	10.251	9.152	8.219	7.369	5.720	4.789	5.008	6.425	8.202	9.266	9.401	16.154
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
13	MEAN	33.6	35.5	43.8	51.2	60.8	68.0	72.7	72.8	67.3	56.1	48.5	39.8	54.3
	S. D.	9.567	9.806	8.783	7.994	7.171	5.852	4.922	5.097	6.351	8.136	9.344	9.238	15.715
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	299	310	3650
16	MEAN	33.5	35.5	43.7	51.1	60.6	67.9	72.5	72.5	66.9	55.7	47.7	38.9	54.0
	S. D.	9.539	9.555	8.059	7.630	7.099	5.862	4.928	4.923	6.188	7.999	9.076	8.736	15.614
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	31.0	32.8	41.2	48.7	58.6	66.2	70.9	70.7	64.7	52.9	44.9	36.6	51.7
	S. D.	9.821	9.327	8.048	7.524	6.954	5.812	4.651	5.010	6.295	8.217	9.177	9.114	15.915
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	30.1	31.6	40.1	47.3	57.2	64.6	69.6	69.7	64.0	51.9	44.1	35.9	50.6
	S. D.	9.842	9.467	8.533	7.679	7.067	6.024	4.738	4.931	6.324	8.353	9.515	9.331	15.901
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	30.9	32.3	40.7	48.3	58.1	65.8	70.5	70.7	64.9	53.1	45.2	36.8	51.5
	S. D.	10.109	10.071	8.940	8.101	7.437	6.141	5.051	5.181	6.884	8.563	9.580	9.616	16.133
	TOTAL OBS	2476	2255	2480	2399	2480	2400	2479	2480	2398	2480	2399	2477	29203

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND 1965-1982 MAY

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.7	99.0	87.4	69.9	50.2	31.4	12.3	70.7	309
	04	100.0	99.7	99.7	98.7	88.6	72.1	52.6	37.3	15.3	72.2	308
	07	100.0	100.0	99.7	98.4	89.3	71.8	53.4	37.2	17.2	72.6	309
	10	100.0	100.0	99.4	94.8	71.6	49.7	37.1	26.8	10.6	64.8	310
	13	100.0	100.0	97.1	80.0	59.0	37.1	28.7	16.8	7.7	58.3	310
	16	100.0	100.0	95.5	78.7	57.7	41.3	31.0	19.7	6.1	58.6	310
	19	100.0	100.0	99.4	95.5	78.7	57.7	42.6	25.5	9.0	66.5	310
	22	100.0	100.0	99.4	96.8	85.2	64.5	46.5	28.4	11.3	69.0	310
TOTALS		100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	96.8	84.8	68.4	51.4	29.1	9.2	69.2	282
	04	100.0	100.0	100.0	97.9	88.3	70.9	54.3	33.0	8.2	70.6	282
	07	100.0	100.0	99.6	98.6	92.2	74.8	53.9	36.5	8.5	71.8	282
	10	100.0	100.0	98.2	85.8	64.5	41.1	29.8	20.2	6.7	60.0	282
	13	100.0	98.6	89.0	65.5	45.9	32.0	21.4	16.0	4.6	53.3	281
	16	100.0	99.3	91.1	69.5	48.9	32.6	23.8	18.1	5.7	54.4	282
	19	100.0	100.0	98.2	90.8	73.0	52.5	37.6	21.6	7.1	63.6	282
	22	100.0	100.0	100.0	93.6	80.1	63.5	43.6	26.2	6.0	66.8	282
TOTALS		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	JUNE

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	69.5	20.8	77.5	25.3	90	32.2	1951	61.5	16.4	45	7.2	1967
2	70.1	21.2	78.2	25.7	94	34.4	1951	62.0	16.7	48	8.9	1953
3	68.9	20.5	76.4	24.7	89	31.7	1980	61.4	16.3	52	11.1	1967*
4	68.6	20.3	76.4	24.7	90	32.2	1981	60.7	15.9	53	11.7	1976
5	69.6	20.9	77.9	25.5	89	31.7	1953	61.4	16.3	50	10.0	1945
6	71.0	21.7	79.4	26.3	92	33.3	1952	62.6	17.0	51	10.6	1945
7	71.7	22.1	79.8	26.6	94	34.4	1980	63.5	17.5	54	12.2	1945
8	71.4	21.9	79.7	26.5	92	33.3	1965	63.2	17.3	51	10.6	1977
9	72.1	22.3	80.2	26.8	95	35.0	1952	64.1	17.8	53	11.7	1980
10	72.5	22.5	80.9	27.2	101	38.3	1964	64.1	17.8	54	12.2	1972
11	72.4	22.4	80.6	27.0	91	32.8	1958	64.2	17.9	50	10.0	1972
12	72.9	22.7	81.1	27.3	90	32.2	1970*	64.7	18.2	53	11.7	1979
13	72.8	22.7	80.4	26.9	93	33.9	1956	65.1	18.4	53	11.7	1980
14	72.3	22.4	80.1	26.7	93	33.9	1964	64.5	18.1	52	11.1	1979
15	72.8	22.7	80.9	27.2	99	37.2	1964	64.8	18.2	55	12.8	1978
16	72.6	22.6	80.5	26.9	95	35.0	1981	64.8	18.2	54	12.2	1965
17	71.8	22.1	79.2	26.2	94	34.4	1952	64.4	18.0	53	11.7	1959
18	72.3	22.4	80.0	26.7	95	35.0	1957	64.7	18.2	55	12.8	1965
19	73.3	22.9	81.3	27.4	96	35.6	1952	65.2	18.4	56	13.3	1980*
20	73.5	23.1	80.9	27.2	97	36.1	1964	66.1	18.9	56	13.3	1979
21	74.1	23.4	81.7	27.6	90	32.2	1964*	66.4	19.1	56	13.3	1979
22	74.5	23.6	82.2	27.9	95	35.0	1981	66.9	19.4	56	13.3	1963
23	75.0	23.9	82.8	28.2	93	33.9	1969	67.1	19.5	56	13.3	1947
24	75.9	24.4	84.3	29.1	95	35.0	1950*	67.5	19.7	55	12.8	1972
25	76.5	24.7	84.7	29.3	95	35.0	1981*	68.4	20.2	57	13.9	1979
26	76.1	24.5	83.9	28.8	99	37.2	1952	68.2	20.1	53	11.7	1979
27	76.2	24.6	84.6	29.2	97	36.1	1952	67.9	19.9	53	11.7	1979
28	76.2	24.6	84.1	28.9	98	36.7	1969	68.3	20.2	58	14.4	1979*
29	77.1	25.1	85.4	29.7	99	37.2	1959	68.7	20.4	58	14.4	1974
30	77.8	25.4	86.1	30.1	97	36.1	1945	69.5	20.8	62	16.7	1981*
31												
Monthly	73.0	22.8	81.0	27.2	101	38.3	1964	65.1	18.4	45	7.2	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 MAR

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	99.7	96.1	83.2	64.5	50.0	27.4	12.9	69.1	310
	04	100.0	100.0	100.0	98.1	86.8	67.4	53.5	33.5	13.5	71.2	310
	07	100.0	100.0	100.0	97.4	89.0	69.4	52.6	37.7	13.5	72.2	310
	10	100.0	100.0	97.4	85.5	56.8	43.5	29.7	21.3	8.1	60.1	310
	13	100.0	99.4	90.0	71.0	48.7	33.2	25.5	17.1	6.5	54.6	310
	16	100.0	99.0	89.7	69.7	49.0	36.1	26.5	16.5	6.1	54.7	310
	19	100.0	99.7	98.1	85.8	67.7	51.0	34.5	21.9	7.4	62.2	310
	22	100.0	100.0	99.7	93.5	75.5	61.0	45.8	28.1	11.0	67.0	310
TOTALS		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	JULY

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	78.1	25.6	85.8	29.9	96	35.6	1953	70.4	21.3	62	16.7	1972*
2	77.4	25.2	85.8	29.9	100	37.8	1953	69.1	20.6	55	12.8	1952
3	78.0	25.6	86.2	30.1	100	37.8	1954	69.7	20.9	62	16.7	1978*
4	76.6	24.8	84.4	29.1	99	37.2	1970	68.7	20.4	58	14.4	1967
5	76.7	24.8	84.9	29.4	97	36.1	1980	68.5	20.3	58	14.4	1967
6	76.1	24.5	83.8	28.8	95	35.0	1949	68.4	20.2	57	13.9	1979
7	76.1	24.5	83.7	28.7	94	34.4	1966	68.6	20.3	58	14.4	1972
8	76.6	24.8	84.2	29.0	96	35.6	1982	69.0	20.6	56	13.3	1972
9	76.7	24.8	84.0	28.9	95	35.0	1981	69.3	20.7	59	15.0	1963
10	76.7	24.8	84.2	29.0	95	35.0	1966	69.3	20.7	59	15.0	1963
11	76.0	24.4	83.1	28.4	97	36.1	1966	68.9	20.5	59	15.0	1963
12	76.4	24.7	84.1	28.9	96	35.6	1966	68.6	20.3	60	15.6	1978*
13	77.2	25.1	85.0	29.4	97	36.1	1954	69.5	20.8	57	13.9	1978
14	78.0	25.6	85.2	29.6	94	34.4	1966*	70.8	21.6	62	16.7	1963
15	77.6	25.3	84.9	29.4	93	33.9	1952	70.3	21.3	64	17.8	1976
16	77.9	25.5	84.9	29.4	101	38.3	1980	70.8	21.6	64	17.8	1967
17	78.1	25.6	85.7	29.8	103	39.4	1980	70.6	21.4	61	16.1	1946
18	78.6	25.9	86.2	30.1	96	35.6	1963	70.9	21.6	64	17.8	1976*
19	79.4	26.3	87.4	30.8	95	35.0	1963*	71.4	21.9	63	17.2	1976
20	78.9	26.1	85.9	29.9	99	37.2	1980	71.8	22.1	64	17.8	1965
21	78.5	25.8	86.1	30.1	98	36.7	1980*	70.9	21.6	61	16.1	1965
22	78.7	25.9	86.3	30.2	98	36.7	1952	71.2	21.8	62	16.7	1965
23	78.5	25.8	85.9	29.9	100	37.8	1952	71.1	21.7	61	16.1	1947
24	77.6	25.3	85.1	29.5	99	37.2	1968	70.2	21.2	60	15.6	1981
25	77.7	25.4	85.1	29.5	95	35.0	1965	70.3	21.3	62	16.7	1947
26	77.9	25.5	85.0	29.4	96	35.6	1982*	70.7	21.5	61	16.1	1976
27	78.8	26.0	86.2	30.1	96	35.6	1963	71.3	21.8	62	16.7	1962
28	79.5	26.4	86.9	30.5	98	36.7	1966	72.1	22.3	57	13.9	1977
29	78.0	25.6	84.9	29.4	94	34.4	1964	71.2	21.8	64	17.8	1978*
30	77.6	25.3	84.9	29.4	99	37.2	1953	70.2	21.2	62	16.7	1981
31	78.6	25.9	85.9	29.9	98	36.7	1954	71.2	21.8	61	16.1	1986
Monthly	77.7	25.4	85.2	29.6	103	39.4	1980	70.2	21.2	55	12.8	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.0	95.3	82.0	66.7	43.3	21.7	6.0	67.0	300
	04	100.0	100.0	100.0	99.0	88.0	72.0	52.7	26.3	7.3	70.2	300
	07	100.0	100.0	99.7	98.3	85.7	63.7	48.3	24.3	6.3	68.7	300
	10	100.0	100.0	93.0	70.7	47.3	30.3	18.3	10.0	1.7	52.8	300
	13	100.0	99.7	83.0	60.0	38.3	25.3	15.3	8.3	1.7	48.6	300
	16	100.0	97.7	82.0	61.3	40.3	26.3	17.3	7.0	2.3	49.1	300
	19	100.0	99.7	94.0	80.3	56.0	42.3	27.0	12.7	2.7	57.5	300
	22	100.0	100.0	98.0	91.0	71.9	56.2	38.5	17.4	4.0	63.6	299
TOTALS		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	AUGUST

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	78.4	25.8	86.1	30.1	97	36.1	1968	70.8	21.6	62	16.7	1981
2	77.7	25.4	85.2	29.6	96	35.6	1955	70.3	21.3	63	17.2	1981
3	77.7	25.4	84.9	29.4	97	36.1	1980	70.4	21.3	60	15.6	1965
4	77.3	25.2	84.2	29.0	97	36.1	1963	70.4	21.3	60	15.6	1976
5	76.7	24.8	83.9	28.8	96	35.6	1977	69.4	20.8	60	15.6	1951
6	76.5	24.7	83.8	28.8	97	36.1	1977*	69.2	20.7	59	15.0	1951
7	76.9	24.9	84.1	28.9	97	36.1	1977	69.8	21.0	61	16.1	1948
8	77.5	25.3	84.8	29.3	95	35.0	1980	70.2	21.2	62	16.7	1950
9	78.1	25.6	85.4	29.7	94	34.4	1980	70.7	21.5	60	15.6	1964
10	78.2	25.7	85.7	29.8	95	35.0	1977	70.7	21.5	63	17.2	1976*
11	77.6	25.3	84.8	29.3	95	35.0	1980*	70.3	21.3	59	15.0	1972
12	76.2	24.6	83.9	28.8	96	35.6	1977	68.5	20.3	57	13.9	1974
13	76.2	24.6	83.3	28.5	91	32.8	1975*	69.1	20.6	59	15.0	1982
14	76.9	24.9	84.4	29.1	94	34.4	1980	69.5	20.8	60	15.6	1964
15	77.5	25.3	84.9	29.4	98	36.7	1947	70.1	21.2	58	14.4	1964
16	77.4	25.2	84.7	29.3	97	36.1	1966	70.1	21.2	59	15.0	1979
17	76.8	24.9	84.0	28.9	97	36.1	1968	69.5	20.8	59	15.0	1979
18	76.0	24.4	82.6	28.1	95	35.0	1966	69.4	20.8	62	16.7	1981
19	76.1	24.5	82.9	28.3	95	35.0	1966*	69.2	20.7	61	16.1	1953
20	76.2	24.6	83.4	28.6	93	33.9	1962	69.1	20.6	61	16.1	1976
21	75.7	24.3	82.4	28.0	96	35.6	1959	69.1	20.6	61	16.1	1976
22	75.7	24.3	82.4	28.0	96	35.6	1959	68.9	20.5	60	15.6	1981
23	75.5	24.2	82.0	27.8	97	36.1	1964	68.9	20.5	60	15.6	1956*
24	75.5	24.2	82.9	28.3	92	33.3	1978	68.1	20.1	58	14.4	1952
25	75.8	24.3	83.0	28.3	96	35.6	1968	68.6	20.3	60	15.6	1977*
26	75.6	24.2	83.5	28.6	93	33.9	1948	67.8	19.9	58	14.4	1977*
27	76.3	24.6	84.2	29.0	95	35.0	1948	68.4	20.2	56	13.3	1945
28	76.6	24.8	84.2	29.0	94	34.4	1970*	68.9	20.5	59	15.0	1965*
29	77.1	25.1	84.8	29.3	97	36.1	1948	69.4	20.8	53	11.7	1982
30	77.0	25.0	84.8	29.3	97	36.1	1953	69.2	20.7	54	12.2	1982
31	77.1	25.1	84.6	29.2	97	36.1	1980*	69.6	20.9	58	14.4	1946
Monthly	76.8	24.9	84.1	28.9	98	36.7	1947	69.5	20.8	53	11.7	1982

*ALSO ON EARLIER YEARS

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	99.7	98.7	96.1	85.5	69.0	47.4	19.0	77.6	310
	04	100.0	100.0	100.0	100.0	95.8	88.4	73.9	55.8	22.3	79.4	310
	07	100.0	100.0	100.0	99.4	94.5	83.5	67.7	44.8	19.4	77.0	310
	10	100.0	100.0	98.1	90.3	73.2	54.5	36.5	21.9	7.4	64.0	310
	13	100.0	99.7	94.5	83.2	61.3	45.5	30.3	16.5	4.8	59.2	310
	16	100.0	100.0	93.5	80.3	63.5	47.4	29.0	17.7	7.1	59.6	310
	19	100.0	100.0	99.4	93.9	77.4	63.2	46.1	27.4	10.6	67.6	310
	22	100.0	100.0	100.0	99.4	94.2	81.9	65.2	39.4	13.9	75.4	310
TOTALS		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	SEPTEMBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	76.0	24.4	83.1	28.4	98	36.7	1980	68.9	20.5	58	14.4	1948*
2	75.7	24.3	82.8	28.2	98	36.7	1980	68.6	20.3	57	13.9	1948
3	75.2	24.0	82.6	28.1	93	33.9	1954	67.8	19.9	57	13.9	1967
4	74.9	23.8	82.1	27.8	94	34.4	1966	67.6	19.8	58	14.4	1974*
5	74.6	23.7	81.6	27.6	93	33.9	1964	67.7	19.8	57	13.9	1982
6	74.0	23.3	81.1	27.3	95	35.0	1954	66.9	19.4	57	13.9	1982*
7	73.2	22.9	80.3	26.8	95	35.0	1954	66.1	18.9	56	13.3	1965
8	72.6	22.6	79.5	26.4	90	32.2	1976*	65.6	18.7	58	14.4	1963*
9	72.4	22.4	79.6	26.4	89	31.7	1976	65.2	18.4	55	12.8	1951
10	72.5	22.5	80.1	26.7	92	33.3	1970	64.8	18.2	55	12.8	1956*
11	72.4	22.4	80.2	26.8	92	33.3	1964	64.6	18.1	55	12.8	1976*
12	72.7	22.6	80.5	26.9	91	32.8	1978*	64.9	18.3	56	13.3	1967*
13	71.4	21.9	79.3	26.3	92	33.3	1952	63.6	17.6	54	12.2	1968
14	72.2	22.3	79.8	26.6	93	33.9	1952	64.5	18.1	50	10.0	1953
15	71.4	21.9	78.6	25.9	88	31.1	1970*	64.2	17.9	54	12.2	1946
16	70.7	21.5	77.4	25.2	94	34.4	1970	63.9	17.7	54	12.2	1946
17	70.5	21.4	77.3	25.2	91	32.8	1958	63.8	17.7	52	11.1	1959
18	70.2	21.2	77.9	25.5	90	32.2	1982*	62.6	17.0	52	11.1	1959
19	71.3	21.8	78.2	25.7	92	33.3	1978	64.3	17.9	53	11.7	1959
20	70.0	21.1	76.6	24.8	88	31.1	1963	63.3	17.4	52	11.1	1959*
21	69.7	20.9	77.0	25.0	92	33.3	1974	62.4	16.9	46	7.8	1956
22	68.6	20.3	75.6	24.2	91	32.8	1980	61.7	16.5	53	11.7	1962*
23	66.9	19.4	73.9	23.3	92	33.3	1970	59.8	15.4	50	10.0	1974*
24	66.3	19.1	73.8	23.2	89	31.7	1970	58.8	14.9	48	8.9	1974*
25	67.5	19.7	74.6	23.7	90	32.2	1970	60.3	15.7	46	7.8	1950
26	67.2	19.6	74.1	23.4	87	30.6	1972*	60.3	15.7	47	8.3	1950
27	66.9	19.4	74.1	23.4	84	28.9	1981*	59.7	15.4	47	8.3	1947
28	66.4	19.1	73.1	22.8	84	28.9	1973	59.7	15.4	50	10.0	1980*
29	65.7	18.7	72.8	22.7	88	31.1	1973*	58.5	14.7	48	8.9	1951
30	65.2	18.4	72.3	22.4	87	30.6	1954	58.2	14.6	46	7.8	1951
31												
Monthly	70.8	21.6	78.0	25.6	98	36.7	1980	63.6	17.6	46	7.8	1956*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT PIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.0	94.0	76.3	47.3	16.3	79.1	300
	04	100.0	100.0	100.0	100.0	99.7	96.3	84.7	55.3	19.0	81.6	300
	07	100.0	100.0	100.0	100.0	99.3	91.7	70.0	40.7	11.7	76.8	300
	10	100.0	100.0	100.0	97.3	86.7	59.7	34.7	15.0	3.3	65.0	300
	13	100.0	100.0	99.3	89.7	68.7	42.7	24.3	8.0	2.3	59.0	300
	16	100.0	100.0	99.3	88.0	71.3	43.3	25.7	11.3	2.3	59.6	300
	19	100.0	100.0	100.0	96.7	83.3	62.7	40.3	20.7	5.0	66.3	300
	22	100.0	100.0	100.0	100.0	98.0	89.0	65.3	35.7	8.7	75.3	300
TOTALS		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	OCTOBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	65.3	18.5	72.1	22.3	86	30.0	1981*	58.6	14.8	40	4.4	1947
2	64.8	18.2	72.7	22.6	87	30.6	1954	56.8	13.8	44	6.7	1974
3	64.0	17.8	71.5	21.9	93	33.9	1968	56.5	13.6	40	4.4	1974
4	63.2	17.3	70.9	21.6	92	33.3	1954	55.6	13.1	38	3.3	1974
5	63.9	17.7	71.9	22.2	90	32.2	1959	55.9	13.3	40	4.4	1965
6	63.6	17.6	71.7	22.1	87	30.6	1959	55.4	13.0	40	4.4	1965
7	63.2	17.3	70.6	21.4	83	28.3	1963*	55.8	13.2	45	7.2	1954
8	62.4	16.9	69.7	20.9	83	28.3	1982*	55.1	12.8	44	6.7	1953
9	62.8	17.1	69.9	21.1	85	29.4	1980	55.7	13.2	39	3.9	1978
10	61.5	16.4	68.9	20.5	86	30.0	1949	54.0	12.2	38	3.3	1979
11	61.2	16.2	68.9	20.5	88	31.1	1954	53.4	11.9	38	3.3	1964
12	61.7	16.5	69.9	21.1	87	30.6	1954	53.5	11.9	39	3.9	1964
13	60.9	16.1	68.5	20.3	89	31.7	1954	53.2	11.8	40	4.4	1980
14	61.2	16.2	68.8	20.4	85	29.4	1975	53.7	12.1	40	4.4	1979
15	61.2	16.2	69.9	21.1	86	30.0	1975	52.6	11.4	38	3.3	1979
16	60.4	15.8	68.6	20.3	80	26.7	1958	52.3	11.3	40	4.4	1978*
17	59.9	15.5	67.6	19.8	80	26.7	1963	52.2	11.2	38	3.3	1977
18	59.7	15.4	67.5	19.7	82	27.8	1963	51.9	11.1	36	2.2	1977
19	58.2	14.6	65.3	18.5	79	26.1	1947*	51.1	10.6	37	2.8	1972
20	58.1	14.5	65.9	18.8	84	28.9	1969	50.3	10.2	32	.0	1981*
21	57.9	14.4	66.3	19.1	84	28.9	1979	49.5	9.7	33	.6	1974
22	58.7	14.8	66.4	19.1	83	28.3	1979*	51.1	10.6	34	1.1	1974
23	59.2	15.1	67.2	19.6	84	28.9	1978	51.3	10.7	35	1.7	1969
24	57.4	14.1	64.3	17.9	77	25.0	1975*	50.5	10.3	33	.6	1969
25	56.0	13.3	63.1	17.3	74	23.3	1961*	48.9	9.4	36	2.2	1969
26	55.2	12.9	62.6	17.0	82	27.8	1978	47.9	8.8	36	2.2	1952
27	55.5	13.1	63.4	17.4	78	25.6	1951	47.7	8.7	35	1.7	1976
28	55.7	13.2	63.2	17.3	74	23.3	1947	48.2	9.0	34	1.1	1976
29	55.7	13.2	63.1	17.3	79	26.1	1946	48.2	9.0	30	-1.1	1965
30	55.2	12.9	62.4	16.9	79	26.1	1950*	47.9	8.8	32	.0	1952
31	56.6	13.7	64.7	18.2	83	28.3	1946	48.5	9.2	35	1.7	1968
Monthly	60.0	15.6	67.7	19.8	93	33.9	1968	52.4	11.3	30	-1.1	1965

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	NOVEMBER

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	56.9	13.8	64.9	18.3	83	28.3	1982	48.9	9.4	33	.6	1954
2	57.9	14.4	65.7	18.7	85	29.4	1968	50.1	10.1	27	-2.8	1976
3	56.5	13.6	64.6	18.1	77	25.0	1953	48.4	9.1	32	.0	1951
4	54.7	12.6	62.1	16.7	79	26.1	1982*	47.4	8.6	31	-.6	1951
5	52.9	11.6	60.0	15.6	79	26.1	1975	45.8	7.7	33	.6	1976
6	50.9	10.5	58.7	14.8	78	25.6	1948	43.2	6.2	29	-1.7	1976
7	51.2	10.7	59.3	15.2	78	25.6	1975	43.1	6.2	30	-1.1	1953
8	51.4	10.8	59.7	15.4	79	26.1	1975	43.1	6.2	29	-1.7	1976*
9	52.0	11.1	59.8	15.4	76	24.4	1966	44.3	6.8	24	-4.4	1976
10	51.0	10.6	58.2	14.6	78	25.6	1966	43.8	6.6	33	.6	1973
11	50.0	10.0	57.3	14.1	76	24.4	1949	42.7	5.9	32	.0	1976*
12	50.8	10.4	58.3	14.6	73	22.8	1982	43.4	6.3	30	-1.1	1957
13	50.5	10.3	57.7	14.3	76	24.4	1964	43.3	6.3	31	-.6	1976
14	51.6	10.9	59.6	15.3	78	25.6	1955	43.7	6.5	29	-1.7	1976
15	49.8	9.9	56.9	13.8	80	26.7	1973	42.7	5.9	26	-3.3	1967
16	50.7	10.4	58.9	14.9	78	25.6	1955	42.4	5.8	23	-5.0	1967
17	49.6	9.8	57.7	14.3	72	22.2	1955	41.6	5.3	28	-2.2	1959
18	49.4	9.7	57.2	14.0	74	23.3	1979	41.6	5.3	23	-5.0	1959
19	48.9	9.4	56.8	13.8	73	22.8	1976*	41.1	5.1	26	-3.3	1951
20	48.1	8.9	55.6	13.1	72	22.2	1948	40.7	4.8	26	-3.3	1951
21	46.7	8.2	54.2	12.3	72	22.2	1956	39.2	4.0	24	-4.4	1969
22	46.1	7.8	53.6	12.0	73	22.8	1979	38.6	3.7	21	-6.1	1969
23	45.9	7.7	53.8	12.1	74	23.3	1979	38.0	3.3	24	-4.4	1970*
24	46.8	8.2	54.7	12.6	72	22.2	1979*	38.9	3.8	21	-6.1	1970*
25	44.7	7.1	52.1	11.2	80	26.7	1973	37.3	2.9	20	-6.7	1950
26	44.4	6.9	52.2	11.2	73	22.8	1946	36.7	2.6	19	-7.2	1950
27	46.6	8.1	54.2	12.3	69	20.6	1976*	39.0	3.9	26	-3.3	1977*
28	46.3	7.9	54.0	12.2	77	25.0	1973	38.7	3.7	23	-5.0	1955
29	43.4	6.3	50.8	10.4	72	22.2	1968	36.0	2.2	16	-8.9	1955
30	40.7	4.8	47.6	8.7	64	17.8	1973	33.8	1.0	20	-6.7	1976*
31												
Monthly	49.6	9.8	57.2	14.0	85	29.4	1968	41.9	5.5	16	-8.9	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 SEP

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	98.0	93.6	83.9	57.9	22.1	81.6	299
	04	100.0	100.0	100.0	100.0	99.7	95.3	88.6	68.9	26.4	84.1	299
	07	100.0	100.0	100.0	100.0	100.0	94.7	87.0	64.7	27.7	83.8	300
	10	100.0	100.0	100.0	99.7	90.3	70.0	43.7	18.0	6.0	68.3	300
	13	100.0	100.0	99.7	95.3	73.0	49.0	25.0	11.7	4.3	61.6	300
	16	100.0	100.0	99.7	93.3	78.7	52.3	28.0	14.3	5.7	62.8	300
	19	100.0	100.0	100.0	99.7	96.0	85.7	61.0	30.7	9.3	73.7	300
	22	100.0	100.0	100.0	100.0	97.7	92.0	78.0	49.3	15.0	78.8	300
TOTALS		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
	PATUXENT RIVER, MARYLAND	1945-1982	DECEMBER

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	40.6	4.8	48.4	9.1	71	21.7	1946	32.8	.4	20	-6.7	1976*
2	42.0	5.6	49.8	9.9	67	19.4	1980	34.1	1.2	23	-5.0	1964
3	43.5	6.4	50.6	10.3	71	21.7	1950	36.4	2.4	17	-8.3	1966
4	44.7	7.1	52.7	11.5	76	24.4	1982	36.8	2.7	14	-10.0	1966
5	44.5	6.9	52.6	11.4	73	22.8	1982	36.4	2.4	22	-5.6	1966
6	44.0	6.7	52.2	11.2	71	21.7	1982*	35.9	2.2	22	-5.6	1954
7	43.9	6.6	51.6	10.9	74	23.3	1956	36.3	2.4	20	-6.7	1954
8	44.4	6.9	52.3	11.3	74	23.3	1978*	36.5	2.5	20	-6.7	1954
9	42.2	5.7	49.6	9.8	74	23.3	1951	34.8	1.6	19	-7.2	1976
10	40.2	4.6	47.2	8.4	75	23.9	1966	33.2	.7	15	-9.4	1968
11	39.2	4.0	46.0	7.8	68	20.0	1971	32.4	.2	15	-9.4	1968
12	40.5	4.7	47.4	8.6	71	21.7	1979	33.5	.8	14	-10.0	1957
13	40.8	4.9	48.5	9.2	67	19.4	1956	33.1	.6	12	-11.1	1960
14	39.1	3.9	46.0	7.8	64	17.8	1948	32.2	.1	13	-10.6	1960
15	38.4	3.6	45.2	7.3	70	21.1	1971	31.6	-.2	13	-10.6	1958
16	38.2	3.4	45.4	7.4	75	23.9	1971	30.9	-.6	10	-12.2	1958
17	37.7	3.2	45.2	7.3	60	15.6	1946	30.1	-1.1	15	-9.4	1951
18	37.3	2.9	45.1	7.3	61	16.1	1966	29.6	-1.3	18	-7.8	1953
19	37.1	2.8	44.2	6.8	63	17.2	1957	30.1	-1.1	16	-8.9	1964*
20	37.5	3.1	44.4	6.9	63	17.2	1972	30.6	-.8	14	-10.0	1963
21	37.5	3.1	44.0	6.7	67	19.4	1956	31.0	-.6	13	-10.6	1980
22	36.5	2.5	43.1	6.2	68	20.0	1949	29.9	-1.2	18	-7.8	1963*
23	38.5	3.6	46.4	8.0	66	18.9	1981	30.7	-.7	18	-7.8	1960*
24	39.4	4.1	46.0	7.8	65	18.3	1982*	32.9	.5	17	-8.3	1945
25	38.5	3.6	45.6	7.6	72	22.2	1982*	31.5	-.3	12	-11.1	1980
26	38.9	3.8	46.6	8.1	72	22.2	1982	31.3	-.4	10	-12.2	1980
27	37.9	3.3	44.7	7.1	69	20.6	1973*	31.0	-.6	16	-8.9	1977*
28	39.2	4.0	46.8	8.2	74	23.3	1971	31.7	-.2	17	-8.3	1966
29	39.3	4.1	46.5	8.1	66	18.9	1982	32.1	.1	18	-7.8	1977
30	38.8	3.8	46.2	7.9	70	21.1	1971	31.5	-.3	16	-8.9	1976
31	37.7	3.2	44.4	6.9	72	22.2	1965	31.1	-.5	15	-9.4	1962
Monthly	39.9	4.4	47.2	8.4	76	24.4	1982	32.6	.3	10	-12.2	1980*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	99.0	91.3	71.6	43.9	14.8	77.8	310
	04	100.0	100.0	100.0	100.0	98.4	90.6	74.5	52.9	18.7	79.8	310
	07	100.0	100.0	100.0	100.0	98.7	91.3	75.2	54.5	21.9	80.3	310
	10	100.0	100.0	100.0	96.8	78.4	57.1	35.5	20.0	6.8	65.0	310
	13	100.0	100.0	98.4	83.9	59.4	36.8	20.6	13.5	2.6	57.2	310
	16	100.0	100.0	99.0	89.4	65.2	41.9	29.4	14.5	4.8	59.8	310
	19	100.0	100.0	100.0	99.7	91.6	75.2	50.0	27.7	10.0	71.2	310
	22	100.0	100.0	100.0	99.7	96.8	82.6	59.4	34.8	14.2	75.0	310
TOTALS		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
724	PATUXENT RIVER, MARYLAND	45-82

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			65	79	86	97	95	91	89	79		65	
4	66	74	75	80	86	91	94	9	89	83	76	7	94
	72	57	69	84	89	89	92	98	9	82	65	61	98
4	56	78	85	80	85	95	94	97	87	77	78	66	97
4	72	75	82	85	88	94	95	95	86	86	76	68	95
	78		73	8	87	95	92	91	88	82	82	7	
1	71	69	7	86	84	94	94	91	89	89	7		
2		66	75	87	85	99	100	92	93	86		5	
3	72	67	68	86	91	91	100	97	95	79	77		
4	7	76	75	86	85	98	10	95	95	92	68	66	0
5	65	63	79	85	92	9	97	97	85	83	75	68	97
5	65	68	72	85	93	93	94	95	93	79	74	74	95
5	68	68	65	84	89	95	96	92	91	74	73	66	96
5	55	61	55	77	83	91	93	92	91	83	73	62	93
5	69	7	75	87	9	99	93	96	89	9	78	61	99
	63	6	75	91	85	92	93	94	86	78	7	60	94
	55	72	82	84	87	89	9	68	89	8	7	59	9
2	57	61	74	81	90	90	88	93	9	83	6	55	93
3	62	57	78	82	94	94	96	97	91	83	71	61	97
64	68	62	8	90	94	101	94	97	93	75	76	72	1
65	65	66	7	85	97	95	95	9	88	76	74	72	97
66	67	64	8	80	89	94	99	97	94	84	78	75	99
67	73	70	79	90	86	95	95	92	82	84	72	65	95
6	59	56	78	79	86	92	99	97	87		85	68	
6	67	5	77	91	93	98	94	92	89	84	65	6	98
7	69	61	62	82	88	93		94	94	84	65	66	
1	62	7	74	78	83	91	91	91	86	80	83	75	91
2	66	77	8	86	83	87	92	89	88	79	78	65	92
73	61	60	77	89	87	9	92	94	89	84	8	71	94
4	75	70	80	91	90	92	93	88	92	8	8	66	93
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.0	92.3	74.0	56.7	36.0	14.7	73.2	300
	04	100.0	100.0	100.0	99.3	94.3	81.0	63.3	41.7	16.0	75.5	300
	07	100.0	100.0	100.0	99.7	96.0	84.7	63.0	42.0	16.0	76.4	300
	10	100.0	100.0	100.0	96.3	73.3	48.7	35.3	20.7	8.7	64.0	300
	13	100.0	100.0	97.7	75.3	50.2	37.1	23.7	15.1	7.0	56.2	299
	16	100.0	100.0	98.7	81.0	59.0	42.0	30.7	19.3	6.0	59.2	300
	19	100.0	100.0	100.0	96.7	84.7	63.3	44.3	26.3	10.0	68.1	300
	22	100.0	100.0	99.7	99.0	86.0	69.0	50.3	31.0	10.0	70.3	300
TOTALS		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

__ | PATUXENT RIVER, MARYLAND | 45-c
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	74	65	68	77	87	91	91	95	87	86	79	7_	95
6	63	80	81	87	83	88	92	92	9_	77	73	6	92
7	5_	74	83	84	87	89	95	97	89	83	73	6	97
7_	6	46	77	86	86	86	97	93	92	84	73	74	97
7	64	52	84	72	82	88	89	93	88	84	74	7_	93
_	6	60	7_	78	88	96	1_3	97	98	8_	74	73	103
_	61	75	8_	85	9_	95	95	94	92	86	73	66	95
	64	66	73	82	86	90	96	92	9_	83	63	76	96
MEAN	65.2	65.8	75.4	83.7	87.7	92.8	94.5	93.6	89.8	82.3	74.5	66.4	95.7
S.D.	6.131	_.112	6.487	4.478	3.531	3.618	3.263	2.786	3.184	4._14	5.493	5.959	2.971
TOTAL OBS.	1116	_117	_176	_140	1176	1140	1147	1178	1140	1147	1160	1116	13577

SMOS

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 DEC

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	98.1	86.5	67.1	51.9	30.3	9.4	70.5	310
	04	100.0	100.0	100.0	99.7	91.6	72.6	52.3	34.8	10.6	71.6	310
	07	100.0	100.0	100.0	99.0	93.2	74.5	56.1	32.3	10.0	72.2	310
	10	100.0	100.0	100.0	94.8	75.4	52.8	37.5	24.3	10.4	65.1	309
	13	100.0	100.0	96.8	80.0	56.8	38.4	28.7	17.4	7.1	58.0	310
	16	100.0	100.0	96.5	81.6	59.0	41.6	30.6	20.0	6.5	59.3	310
	19	100.0	100.0	99.4	95.1	78.0	63.1	42.1	26.5	6.8	66.8	309
	22	100.0	100.0	100.0	98.4	83.8	67.6	50.2	29.8	9.1	69.7	309
TOTALS		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

*WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											7[illegible] 2[illegible]		MAX TEMP DAYS
		6[illegible] 2[illegible]											MAX TEMP DAYS
												74 29	MAX TEMP DAYS
[illegible]	7[illegible]										7[illegible] 2[illegible]		MAX TEMP DAYS
3												66 2[illegible]	MAX TEMP DAYS
6										[illegible]			MAX TEMP DAYS
							9 1						MAX TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

RELATIVE HUMIDITY

13721	PATUXENT RIVER, MARYLAND	73-82	ALL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476
FEB		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255
MAR		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480
APR		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399
MAY		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480
JUN		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400
JUL		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479
AUG		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2480
SEP		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398
OCT		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480
NOV		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399
DEC		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477
TOTALS		100.0	99.9	98.5	93.1	81.0	65.5	48.6	29.9	10.3	68.4	29203

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | PATUXENT RIVER, MARYLAND STATION NAME | 45-[illegible] YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			3	36	42	5[illegible]	61	56	56	42		[illegible]6	
4[illegible]	17	18	32	36	44	53	6[illegible]	58	54	46	34	2[illegible]	.7
47	14	8	26	34	39	53	61	67	47	4	29	25	5
4[illegible]	10	16	20	37	47	56	6[illegible]	60	56	38	36	17	[illegible]
[illegible]	2[illegible]	26	25	37	49	56	66	63	49	43	26	25	25
	2[illegible]		17	26	45	54	64	62	46	44	19	16	
	16	12	28	34	48	55	6[illegible]	59	46	44	26		
[illegible]		27	25	35	44	56	55	58	51	32		[illegible]2	
3	2[illegible]	24	24	32	52	48	64	61	5[illegible]	43	3[illegible]		
4	16	20	22	29	42	55	61	59	55	4[illegible]	31	19	.6
5	[illegible]4	13	24	35	46	56	63	65	57	5[illegible]	16	17	[illegible]
5	12	22	25	32	42	55	61	60	46	46	21	25	.1
5[illegible]	[illegible]	25	3[illegible]	32	42	55	62	63	49	35	3[illegible]	14	.0
5[illegible]	18	7	3[illegible]	37	48	54	67	65	53	43	26	18	7
5	21	15	29	37	45	53	66	63	52	42	23	22	.1
	2[illegible]	21	16	33	45	58	64	62	58	38	3[illegible]	12	12
[illegible]	[illegible]	10	25	31	45	58	60	62	55	42	33	22	7
	12	17	2[illegible]	36	50	61	62	62	53	38	36	15	12
3	9	1[illegible]	3[illegible]	44	44	56	59	58	48	43	34	14	9
4	14	22	26	32	46	52	62	58	53	36	2[illegible]	16	.4
5	3-	9	19	3[illegible]	52	54	6[illegible]	54	54	3[illegible]	27	25	3-
6	12	12	25	35	36	50	64	63	53	4[illegible]	3[illegible]	14	12
6[illegible]	1	12	15	37	43	45	58	61	49	39	23	21	[illegible]
6	9	1[illegible]	21	36	43	58	64	59			27	15	
6[illegible]	1	18	21	28	44	58	6[illegible]	61	49	33	21	21	10
	4	1[illegible]	23	33	41	58		64	49	41	21	22	
[illegible]	14	[illegible]	27	35	44	59	64	63	58	51	31	24	9
[illegible]	7	19	26	30	49	5[illegible]	56	59	55	35	27	22	7
7[illegible]	18	12	28	37	43	56	62	62	54	4[illegible]	32	21	12
7[illegible]	21	21	27	35	48	55	65	57	48	32	26	26	21
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[redacted] PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 JANUARY ALL
STATION YEARS MONTH HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						60.0	40.0			5	.2
67 TO 71					16.7	50.0	33.3			6	.2
62 TO 66	12.5				25.0	50.0	12.5			8	.3
57 TO 61		5.1	2.6	5.3	36.8	21.1	13.4	10.5		39	1.5
52 TO 56	6.2	4.9	1.2	6.2	17.3	30.9	22.2	3.6	2.5	81	3.3
47 TO 51	13.3	5.3	3.3	10.0	18.7	14.3	23.3	8.3	4.3	150	6.1
42 TO 46	16.4	9.2	6.7	10.7	13.7	9.2	11.7	14.4	8.4	299	12.1
37 TO 41	19.3	8.6	5.1	3.2	9.3	8.4	12.6	17.3	11.4	426	17.3
32 TO 36	19.3	11.0	7.5	6.3	6.7	7.1	8.9	20.9	12.2	537	21.7
27 TO 31	26.2	4.1	8.2	3.1	9.4	4.1	12.1	20.3	12.3	413	16.7
22 TO 26	30.0	11.4	2.9	2.3	6.8	4.6	8.5	26.1	7.5	307	12.4
17 TO 21	27.9	3.3	3.3	.8	6.6	2.5	23.0	23.8	9.3	122	4.9
12 TO 16	41.5		1.5		1.5	4.6	15.4	23.1	12.3	65	2.6
7 TO 11	15.6		3.1		6.3	3.1	31.3	37.5	3.1	32	1.3
2 TO 6	20.0						30.0	40.0	10.0	10	.4
-3 TO 1	16.7						16.7	66.7		6	.2
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LOWER											
TOTALS	21.2	7.7	5.5	5.7	9.9	8.1	13.2	19.1	9.6	2475	100.0

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) FEBRUARY (MONTH) ALL (HOURS OBSVD.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						33.3	66.7			3	.1
72 TO 76					12.5	37.5	50.0			8	.4
67 TO 71				11.1	11.1	66.7	11.1			9	.4
62 TO 66	8.6			5.7	11.4	42.9	31.4			35	1.6
57 TO 61	2.9		1.5	4.4	17.6	42.6	25.0	4.4	1.5	68	3.0
52 TO 56	6.9	3.4	3.4	12.9	19.8	27.6	15.5	6.9	4.3	116	5.1
47 TO 51	10.1	9.1	3.4	16.3	18.5	12.9	13.5	12.4	3.9	178	7.9
42 TO 46	15.7	8.2	6.0	15.4	18.7	10.1	7.9	13.1	4.9	267	11.8
37 TO 41	19.9	10.5	8.6	8.6	10.8	9.1	7.2	17.5	7.8	361	16.0
32 TO 36	24.6	14.5	7.5	6.7	8.7	4.6	3.4	20.5	9.6	415	18.4
27 TO 31	23.1	14.3	6.1	5.3	9.0	3.2	4.0	22.5	12.5	377	16.7
22 TO 26	28.9	8.4	4.4	2.8	3.6	4.4	5.6	28.5	13.3	249	11.0
17 TO 21	31.3	10.7	1.8	5.4	2.7	1.8	1.8	35.7	8.9	112	5.0
12 TO 16	44.2	4.7	2.3			9.3		30.2	9.3	43	1.9
7 TO 11	42.9	28.6						21.4	7.1	14	.6
2 TO 6		100.0								1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	20.6	10.4	5.6	8.1	10.9	9.6	7.5	19.0	8.4	2256	100.0

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible]	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	MARCH	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

WIND DIRECTION

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (MONTH) ALL (HOURS)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33.3	66.7			3	.1
82 TO 86	3.8			15.4		26.9	34.6	19.2		26	1.1
77 TO 81		2.4		7.3	7.3	36.6	26.8	17.1	2.4	41	1.7
72 TO 76	5.1	1.3	1.3	10.0	17.5	36.3	25.0	3.8		80	3.3
67 TO 71	8.1	7.5	3.1	18.8	12.5	26.3	12.5	9.4	1.9	160	6.7
62 TO 66	6.4	4.3	4.6	12.9	26.1	22.1	9.3	11.4	2.9	280	11.7
57 TO 61	9.6	8.2	5.3	14.2	21.6	11.8	10.7	13.3	5.3	450	18.8
52 TO 56	14.9	9.3	7.5	9.3	19.7	5.6	7.9	16.8	8.9	517	21.6
47 TO 51	16.0	7.8	8.0	11.8	12.4	4.7	9.3	21.7	8.4	451	18.8
42 TO 46	17.4	7.5	7.9	4.3	11.9	4.3	10.7	28.1	7.9	253	10.5
37 TO 41	30.2	3.1	1.0	1.0	2.1	3.1	5.2	34.4	19.8	96	4.0
32 TO 36	24.3			2.7		2.7		51.4	18.9	37	1.5
27 TO 31	40.0							60.0		5	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	7.0	5.8	10.8	16.5	11.4	10.5	18.0	6.9	2399	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

[illegible] PATUXENT RIVER, MARYLAND 73-82 JAN
STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		.2	.1															8	8	8	67
[illegible]	.2	.0																2	2	10	43
[illegible]		.1																2	2	1	37
[illegible]/- [illegible]	.1																	2	2	4	19
-[illegible]/- [illegible]	.1																	2	2	2	21
-[illegible]/- [illegible]																					17
-[illegible]/- 7																					14
-[illegible]/- 9																					6
-[illegible]/-11																					2
-12/-13																					4
-14/-15																					2
-[illegible]/-17																					4
-[illegible]/-19																					5
-20/-21																					2
-[illegible]/-27																					1
[illegible]	7.4	31.1	31.9	18.7	7.2	2.8	.6	.3											2478		2476
																		2476		2476	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	11814711	164831	66.6	18.440	2476							
Dry Bulb	3206381	85181	34.4	10.599	2478	1.2	314.1	3.3	1.2			744.0
Wet Bulb	2611767	76423	30.9	10.109	2476	1.8	427.3					744.0
Dew Point	1810306	58250	23.5	13.332	2476	27.3	555.6					744.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

18721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	JUNE	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		8.3		8.3	8.3	33.3	33.3	8.3		12	.5
87 TO 91	4.5			6.8	18.2	31.8	34.1	4.5		44	1.8
82 TO 86	7.6	3.8	1.4	16.6	20.9	19.4	20.4	7.1	2.8	211	8.8
77 TO 81	6.5	5.8	4.7	18.4	27.4	12.1	12.4	10.1	2.5	445	18.5
72 TO 76	7.8	6.2	5.7	10.8	23.3	21.6	10.6	9.0	4.9	630	26.3
67 TO 71	9.4	7.8	7.5	7.6	23.1	14.8	9.5	12.7	7.6	576	24.0
62 TO 66	13.0	13.6	9.9	6.8	14.6	10.2	8.4	12.7	10.8	323	13.5
57 TO 61	19.7	11.0	5.5	4.7	6.3	7.1	10.2	20.5	15.0	127	5.3
52 TO 56	18.8	21.9	15.6				12.5	15.6	15.6	32	1.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	7.7	6.1	10.9	21.3	15.7	11.8	11.0	6.3	2400	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JULY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				20.0	40.0		40.0			5	.2
92 TO 96	5.7	2.9	2.9	11.4	14.3	11.4	40.0	8.6	2.9	35	1.4
87 TO 91	9.6	3.6	4.8	16.8	18.6	12.6	16.8	15.6	1.8	167	6.7
82 TO 86	8.7	9.2	3.4	18.6	22.9	15.2	10.1	8.4	3.6	415	16.7
77 TO 81	7.1	8.6	4.4	12.9	20.4	19.0	10.7	10.4	6.5	675	27.2
72 TO 76	9.2	8.2	5.9	7.1	16.6	15.1	14.9	10.6	12.4	743	30.0
67 TO 71	10.7	9.3	7.0	4.6	10.7	15.7	13.3	13.9	15.1	345	13.9
62 TO 66	12.5	10.2	4.5	1.1	4.5	13.6	14.8	18.2	20.5	88	3.5
57 TO 61	16.7					16.7	33.3	16.7	16.7	6	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	8.2	5.0	10.8	17.5	15.9	13.3	11.2	9.1	2479	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

2

17721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
FEB — MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
78/ 77										.1	.0								3	3		
76/ 75										.0									1	1		
74/ 73								.1			.0		.0						4	4		
72/ 71							.1			.0	.0								4	4		
70/ 69					.0		.0	.0			.0								4	4		
68/ 67				.0			.0	.0		.0									4	4		
66/ 65					.2	.0	.1	.1	.1	.1									13	13		
64/ 63				.0	.1	.2	.0	.1	.1	.0									15	15		
62/ 61			.1	.1	.0	.1	.0	.3	.0										16	16	5	
60/ 59		.0	.1	.2	.1	.1	.3	.2	.0	.0									27	27	5	1
58/ 57		.1	.1	.2	.3	.2		.4	.1										32	32	12	3
56/ 55		.4	.1	.4	.2	.3	.3												39	39	13	3
54/ 53	.1	.5	.3	.3	.3	.4	.2	.3											53	53	32	13
52/ 51	.0	.5	.6	.4	.4	.4	.2												58	58	40	21
50/ 49	.1	.9	.6	.4	.5	.4	.1												69	69	39	21
48/ 47		.9	.4	.4	.5	.8	.2												75	75	74	34
46/ 45	.0	1.2	.7	.7	1.2	.6	.1												101	101	79	51
44/ 43	.3	1.3	.8	1.1	.8	.4	.0												105	105	84	55
42/ 41	.3	1.1	1.3	1.2	1.0	.4													118	118	91	54
40/ 39	.2	2.3	1.4	1.8	.8	.1	.0												150	150	101	60
38/ 37	.3	2.5	1.6	1.5	.8	.2													154	154	162	73
36/ 35	.2	2.2	2.7	1.4	1.1	.0													172	172	156	96
34/ 33	.4	2.4	2.3	2.0	.6														166	166	182	111
32/ 31	.0	2.0	2.3	1.5	.6														144	145	168	99
30/ 29	.1	2.5	2.9	1.8	.2														168	168	155	110
28/ 27	.6	1.6	2.7	1.2	.2														141	141	183	160
26/ 25	.4	1.9	2.4	1.0															126	126	149	159
24/ 23	.0	1.9	1.9	.3															91	91	150	135
22/ 21	.0	1.5	1.2	.2															66	66	126	125
20/ 19	.1	1.2	1.0	.1															54	54	93	110
18/ 17		.4	.6	.0															24	24	54	123
16/ 15	.2	.2	.6																21	21	46	111
14/ 13	.0	.4	.3																17	17	13	113
12/ 11		.3	.1																9	9	21	109

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	AUGUST	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

2

PSYCHROMETRIC SUMMARY

18721	PATUXENT RIVER, MARYLAND	73-92	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
[illegible] / 81									.1	.0									4	4		
[illegible] / 79								.1			.0								3	3		
78 / 77									.0	.2									5	5		
76 / 75						.0	.0	.0	.0	.1									6	6		
74 / 73					.0	.0	.0	.1		.1									7	7		
72 / 71						.1	.2	.1	.0	.0	.0								14	14		
70 / 69					.1	.1	.0	.1	.1	.0									12	12		
68 / 67			.0	.1	.1	.3	.3	.0	.1	.0	.0								27	27		
66 / 65				.3	.2	.4	.2	.0	.0	.2									31	31	7	
64 / 63		.1	.3	.2	.2	.3	.2	.2	.2	.1	.0								46	46	6	
62 / 61		.2	.4	.2	.4	.2	.3	.2	.1	.1									51	51	22	5
60 / 59		.2	.5	.4	.4	.3	.3	.2	.2	.0									62	62	33	0
58 / 57	.1	.3	.6	.8	.3	.5	.6	.2	.1										86	86	49	26
56 / 55	.2	.6	.5	.9	.4	.8	.8	.3	.0										113	113	61	30
54 / 53	.2	.8	1.1	.7	1.0	.8	.9	.2	.0										141	141	77	38
52 / 51	.1	1.3	1.1	.8	1.3	.9	.8	.2											158	159	80	52
[illegible] / 49	.4	1.9	1.1	1.0	1.2	1.6	.6	.1											196	196	124	66
[illegible] / 47	.4	2.7	1.5	1.3	1.8	1.3	.2												234	234	163	125
46 / 45	.4	2.1	1.6	1.2	1.8	.5	.1												190	190	202	130
44 / 43	.4	2.0	1.8	1.9	1.9	.6	.0												211	211	215	104
42 / 41	.4	1.1	2.1	1.6	1.4	.2													166	166	200	113
40 / 39	.6	1.3	1.9	1.3	.9	.2													159	159	232	134
38 / 37	.4	1.5	1.4	1.5	.7	.2													139	139	242	183
36 / 35	.2	1.6	1.1	1.4	.5														118	118	192	131
34 / 33	.2	.7	.9	1.5	.2	.2													91	91	139	154
32 / 31	.1	.7	.8	1.1	.2														72	72	111	165
30 / 29		.7	1.0	.5															56	56	101	147
28 / 27		.7	.6	.3															39	39	89	144
26 / 25		.1	.4	.1															13	13	61	161
24 / 23		.0	.3																8	8	29	135
22 / 21		.1	.1																5	5	17	85
20 / 19	.0	.1	.1																6	6	11	84
18 / 17	.2		.1																7	7	7	74
16 / 15	.2		.1																4	4	7	70

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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2

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	PATUXENT RIVER, MARYLAND	73-82	MAR

PAGE 2

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] 1																			2	47
[illegible] 11																			1	38
[illegible]																				13
[illegible] 7																				15
[illegible]																				3
[illegible]																				5
[illegible]	.5	[illegible]	21.4	19.2	15.[illegible]	9.3	5.6	2.1	1.2	.8	.2								2480		2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11102932	158456	63.9	19.867	2480		63.0	23.4	7.5	2.1		744.0
Dry Bulb	8535533	114419	46.1	10.174	2480		130.8					744.0
Wet Bulb	4314538	101038	40.7	8.940	2480		360.0					744.0
Dew Point	3381223	82511	33.3	11.642	2480							744.0

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	OCTOBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	6.7				6.7	53.3	26.7	6.7		15	.6
77 TO 81	9.5	2.4		9.5	26.2	28.6	16.7	4.8	2.4	42	1.7
72 TO 76	8.5	.8	5.4	11.5	27.7	19.2	17.7	6.9	2.3	130	5.2
67 TO 71	10.4	8.9	8.6	14.1	18.2	14.9	11.9	7.4	5.6	269	10.8
62 TO 66	12.0	10.1	8.1	9.3	16.1	12.2	12.8	11.6	7.9	484	19.5
57 TO 61	16.9	13.1	7.8	7.0	12.5	11.9	7.2	16.3	7.2	497	20.0
52 TO 56	19.8	12.9	8.8	1.8	8.1	9.6	9.4	20.8	9.8	457	18.4
47 TO 51	20.2	12.6	10.1	1.4	5.3	8.1	11.8	17.1	13.4	357	14.4
42 TO 46	23.3	3.8	6.9		.6	11.3	16.4	23.3	14.5	159	6.4
37 TO 41	27.9	9.8			1.6	13.1	24.6	8.2	14.8	61	2.5
32 TO 36	33.3					22.2		22.2	22.2	9	.4
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.2	10.3	7.9	6.0	11.9	12.3	11.7	14.9	8.9	2480	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION [illegible] | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-82 (YEARS) | APR (MONTH)

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] / 89												.0	.0					2	2		
8 / 87											.0							1	1		
6 / 85										.0	.0	.0	.1		.0			6	6		
4 / 83									.0	.1	.2	.2	.0					12	12		
[illegible] / 81								.0	.1	.3		.0	.0					14	14		
[illegible] / 79						.0	.1	.2	.2	.0	.0	.0	.0					16	16		
7 / 77							.1	.3	.1	.2	.1							19	19		
[illegible] / 75					.1	.1	.4	.2	.2	.0	.0		.1					24	24		
[illegible] / 73					.1	.3	.3	.3		.1	.2							30	30		
[illegible] / 71				.2	.3	.3	.1	.2	.1	.4	.2							45	45		
[illegible] / 69			.2	.2	.5	.2	.5	.3	.1	.5	.1							61	61	1	
[illegible] / 67			.4	.7	.5	.4	.3	.3	.3	.4	.1							80	80	12	
6 / 65		.3	.5	.4	.6	.7	.5	.5	.6	.3								105	105	41	
4 / 63		.5	.4	.3	.8	.6	.6	.6	.6	.0								118	118	72	18
[illegible] / 61		.5	.7	1.0	1.1	.6	.6	.5	.3	.0								135	135	77	31
[illegible] / 59	.3	1.2	1.4	.8	1.0	.8	1.3	.3	.3									184	184	73	47
[illegible] / 57	.1	.9	1.5	.8	1.5	1.3	1.3	.6	.0									188	188	128	67
[illegible] / 55	.3	1.0	1.9	1.0	.7	2.0	1.1	.3	.0									202	202	154	99
4 / 53	.2	1.0	2.2	1.6	1.3	1.7	.7	.3										212	212	167	107
[illegible] / 51	.1	1.2	2.2	1.3	2.1	1.3	.7	.1										213	213	180	126
[illegible] / 49	.1	.8	1.5	1.8	2.2	1.0	.2	.1										182	182	222	133
[illegible] / 47	.1	.9	1.4	1.8	1.5	.7	.2											159	159	229	138
[illegible] / 45		.7	1.5	1.5	1.0	.4	.2											132	132	228	128
[illegible] / 43	.1	.7	1.3	.6	.6	.4	.0											88	88	221	138
[illegible] / 41	.2	.2	1.1	.6	.4	.3												64	64	209	129
[illegible] / 39		.3	.6	.7	.7	.3												42	42	144	150
[illegible] / 37	.3	.1	.3	.4	.2	.0												23	23	84	146
[illegible] / 35		.2	.4	.3	.3													26	26	60	171
34 / 33		.0	.1	.1	.1													9	9	42	195
[illegible] / 31				.1	.1													4	4	26	148
[illegible] / 29			.1															1	1	14	105
[illegible] / 27			.1															2	2	9	95
[illegible] / 25																				4	63
[illegible] / 23																				2	48

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOUR (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					7.1	42.9	42.9	7.1		14	.6
72 TO 76	4.2	4.2		12.5	20.8	16.7	25.0	16.7		24	1.0
67 TO 71	1.0	4.9	5.8	7.8	26.2	32.0	17.5	4.9		103	4.3
62 TO 66	5.1	7.5	7.9	18.7	23.4	14.0	13.1	5.1	5.1	214	8.9
57 TO 61	9.5	7.4	4.6	11.6	18.2	20.0	10.9	10.5	7.4	285	11.9
52 TO 56	17.7	8.2	6.3	9.8	11.1	10.9	13.6	11.7	10.9	368	15.3
47 TO 51	24.5	12.1	4.9	4.1	9.7	9.9	10.9	15.8	8.0	486	20.3
42 TO 46	26.4	12.4	2.6	1.7	5.9	8.1	16.4	18.3	8.3	421	17.5
37 TO 41	25.9	7.5	6.1	1.0	4.1	7.5	13.0	24.9	9.9	293	12.2
32 TO 36	25.0	3.4	6.8		1.4	6.8	15.5	27.7	13.5	148	6.2
27 TO 31	16.2					2.7	27.0	27.0	27.0	37	1.5
22 TO 26	57.1						42.9			7	.3
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.1	8.8	5.1	6.3	10.9	11.9	14.0	15.5	8.5	2400	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

2

1-721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 YEARS | APR MONTH

HOURS (LST)

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
[illegible] 21																						43
[illegible] 19																						19
[illegible] 17																						22
[illegible] 15																						13
[illegible] 13																						7
[illegible] 11																						5
[illegible] 9																						6
[illegible] 7																						5
[illegible] 5																						1
Tot	1.3	10.3	19.9	16.5	17.0	13.0	9.1	5.7	3.0	2.4	1.0	.3	.3		.0					2399		2399
																			2399		2399	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	[illegible]23946	143178	59.7	19.142	2399							
Dry Bulb	7654842	133516	55.7	9.66[illegible]	2399		2.1	93.0	37.2	12.9		720.0
Wet Bulb	5759315	115927	48.3	8.10[illegible]	2399		16.5	3.9				720.0
Dew Point	4196437	96875	40.4	10.893	2399		172.9					720.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	DECEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						50.0	50.0			4	.2
67 TO 71	3.9				11.5	61.5	23.1			26	1.0
62 TO 66	1.9	1.9		1.9	18.5	40.7	33.3		1.9	54	2.2
57 TO 61	2.4	3.5	1.2	1.2	21.2	38.8	22.4	5.9	3.5	85	3.4
52 TO 56	7.1	3.1	4.6	6.1	25.0	28.1	11.7	8.7	5.6	196	7.9
47 TO 51	13.4	8.1	4.9	9.5	12.4	13.8	12.0	16.6	9.2	283	11.4
42 TO 46	16.6	10.1	9.0	8.6	9.9	9.7	9.2	15.5	11.4	465	18.8
37 TO 41	20.7	13.7	7.5	4.5	8.0	8.0	9.9	18.6	9.2	576	23.2
32 TO 36	22.5	11.5	5.2	1.8	10.5	11.0	9.9	19.1	8.4	382	15.4
27 TO 31	25.4	5.8	5.8	2.9	6.3	7.9	6.7	23.8	13.3	240	9.7
22 TO 26	28.0	1.7	5.9	.8	3.4	4.2	14.4	23.7	17.8	119	4.8
17 TO 21	42.1	2.6	2.6		5.3	2.6	10.5	13.2	21.1	38	1.5
12 TO 16	70.0	10.0						10.0	10.0	10	.4
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.4	8.9	6.1	4.9	11.0	13.1	11.2	16.6	9.8	2479	100.0

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PSYCHROMETRIC SUMMARY

2

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | MAY

STATION | STATION NAME | YEARS | MONTH

PAGE 1

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
[illegible] / 89									.2	.0								2	2		
8 / 87								.0										1	1		
[illegible] / 85							.0	.1		.1	.0		.1					9	9		
4 / 83				.0	.1	.1	.1	.1	.2	.1	.0	.0						19	19		
[illegible] / 81				.0	.1	.1	.4	.4	.2	.0	.0							34	34		
[illegible] / 79				.1	.4	.6	.7	.4	.1	.1	.0	.1	.0					64	64		
7[illegible] / 77			.[illegible]	.4	.7	.[illegible]	.5	.2	.2	.1	.1							75	75	2	
[illegible] / 75			.[illegible]	.[illegible]	.7	.7	.6	.2	.2	.1	.1							78	78	4	
4 / 73		.2	.8	1.[illegible]	.9	.8	.5	.5	.4	.2	.2							137	137	20	4
3 / 71	.[illegible]	.4	1.7	1.3	.9	.5	.4	.6	.3	.3								164	164	44	11
[illegible] / 69	.3	1.3	2.3	1.[illegible]	1.1	.4	.8	.[illegible]	.3	.1								186	186	99	36
[illegible] / 67	.4	.8	2.[illegible]	1.5	.8	.8	.8	.2	.2	.0								201	201	177	86
6 / 65	.7	1.4	2.4	1.6	1.2	1.[illegible]	.9	.5	.2	.0								247	247	207	139
4 / 63	.[illegible]	2.6	1.6	1.4	1.1	.7	.4	.4	.1	.0								228	228	213	160
[illegible] / 61	1.2	1.7	1.9	1.[illegible]	1.5	.7	.3	.4										224	224	262	219
[illegible] / 59	1.1	1.1	1.6	1.1	1.0	.[illegible]	.6	.1										183	183	221	219
[illegible] / 57	.7	1.[illegible]	1.2	1.2	.9	.[illegible]	.2	.1										169	169	226	215
[illegible] / 55	.7	1.2	1.2	.6	.5	.[illegible]	.1											127	127	220	176
4 / 53	.5	.8	1.[illegible]	1.1	.5	.4	.2											122	122	196	148
[illegible] / 51	.2	.9	.9	.8	.4	.2	.1											88	88	155	139
[illegible] / 49	.[illegible]	.6	.7	.4	.2	.2												63	63	156	158
[illegible] / 47		.3	.4	.3	.1	.1												30	30	114	139
[illegible] / 45	.1	.1	.4	.2	.2													21	21	71	146
-4 / 43		.[illegible]		.1														3	3	41	104
[illegible] / 41			.1	.2														5	5	29	96
[illegible] / 39																				13	72
[illegible] / 37																				7	53
[illegible] / 35																				3	61
34 / 33																					36
[illegible] / 31																					25
[illegible] / 29																					6
[illegible] / 27																					14
[illegible] / 25																					9
[illegible] / 23																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	ALL	ALL
STATION	STATION NAME	YEARS	MONTH	HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				16.7	33.3		50.0			6	.0
92 TO 96	4.9	2.5	1.2	8.6	13.6	16.0	34.6	17.3	1.2	81	.3
87 TO 91	7.4	3.0	4.0	15.6	18.8	16.5	19.5	14.1	1.2	405	1.4
82 TO 86	7.5	7.6	4.0	16.8	22.0	16.9	14.8	7.8	2.6	1248	4.3
77 TO 81	7.4	7.3	5.3	14.6	21.2	18.6	12.2	9.3	4.4	2339	8.0
72 TO 76	8.2	7.3	6.0	9.6	20.0	19.1	12.7	9.3	8.1	3304	11.3
67 TO 71	9.8	9.3	9.2	9.2	16.7	15.6	10.9	10.0	9.0	2987	10.2
62 TO 66	10.6	10.7	9.1	9.4	16.6	13.1	10.8	10.7	8.8	2747	9.4
57 TO 61	12.7	9.5	6.4	9.3	16.2	14.4	10.6	13.3	7.6	2398	8.2
52 TO 56	14.5	9.3	7.0	8.4	15.0	11.8	10.3	15.1	8.5	2466	8.4
47 TO 51	17.3	9.4	6.6	9.1	13.3	8.6	10.8	16.1	8.7	2542	8.7
42 TO 46	18.6	10.3	6.9	7.7	11.4	7.6	10.5	18.1	9.2	2378	8.1
37 TO 41	21.5	10.2	6.9	5.6	7.9	7.7	10.0	19.8	10.5	2196	7.5
32 TO 36	22.9	10.5	6.6	4.2	7.3	6.8	8.4	22.7	10.6	1748	6.0
27 TO 31	25.7	7.8	6.8	3.7	8.3	4.5	8.3	21.9	13.1	1198	4.1
22 TO 26	30.3	8.2	3.8	2.1	5.0	4.5	8.9	25.9	11.2	706	2.4
17 TO 21	31.5	8.1	2.4	2.4	4.5	2.1	11.9	26.9	10.1	286	1.0
12 TO 16	46.7	2.5	1.6		.8	5.7	8.2	23.8	10.7	122	.4
7 TO 11	23.4	8.5	2.1		4.3	2.1	21.3	31.9	6.4	47	.2
2 TO 6	18.2	9.1					27.3	36.4	9.1	11	.0
-3 TO 1	16.7						16.7	66.7		6	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.6	8.9	6.7	8.8	14.7	12.4	11.1	14.4	8.4	29210	100.0

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PSYCHROMETRIC SUMMARY

13721	PATUXENT RIVER, MARYLAND	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 2

HOURS (LST)

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																					
TOTAL	.3	14.5	20.9	16.5	13.3	10.8	7.7	4.6	2.6	1.3	.6	.2	.1						2480		2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	1 [illegible]	173961	[illegible]	18.66	2480							
Dry Bulb	1 426771	159461	64.3	9.36	2480			291.0	125.7	26.7		744.0
Wet Bulb	914186	144136	58.1	7.83	2480			103.8	7.8			744.0
Dew Point	7259791	132001	53.2	9.71	2480		17.7	41.1	2.4			744.0

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PSYCHROMETRIC SUMMARY

STATION | PAT[illegible]NT RIVER, MARYLAND | STATION NAME | 73-[illegible] | YEARS | JUL | MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
[illegible]										.0									1	1		
[illegible]									.[illegible]	.2									6	6		
[illegible]								.[illegible]	.1	.0									8	8		
[illegible]						.[illegible]	.[illegible]	.4											14	14		
[illegible]					.1	.3	.5	.[illegible]	.0	.0									27	27		
[illegible]				.[illegible]	.2	.3	.7	.5	.2	.1									48	48		
[illegible]		.[illegible]		.1	.4	.7	1.[illegible]	.5	.3	.1	.[illegible]								76	76		
[illegible]			.[illegible]	.5	1.2	1.5	1.3	.4	.3	.3	.1								141	141	1	
[illegible]			.[illegible]	1.4	1.6	1.7	1.1	.7	.3	.2									179	179	6	1
7[illegible]		.[illegible]	1.[illegible]	2.2	2.[illegible]	1.[illegible]	.5	.5	.5	.2	.[illegible]								212	212	31	[illegible]
[illegible]	.1	.[illegible]	1.5	3.2	1.6	.7	1.1	.7	.7	.2									249	249	75	[illegible]
[illegible]	.[illegible]	1.5	2.[illegible]	3.4	1.4	.7	1.[illegible]	.7	.2	.0									262	262	189	54
[illegible]	.2	[illegible].5	2.4	2.2	1.1	.[illegible]	1.[illegible]	.4	.2	.1									260	260	296	140
[illegible]	.5	2.[illegible]	2.4	2.1	1.2	.[illegible]	.2	.4	.1										237	237	332	274
[illegible]	.[illegible]	1.3	2.[illegible]	1.[illegible]	1.4	.[illegible]	.3	.1	.[illegible]										198	198	274	30[illegible]
[illegible]	.[illegible]	1.3	1.9	1.2	1.2	.4	.2	.1											161	161	240	240
[illegible]	.[illegible]	.6	1.6	1.4	.[illegible]	.[illegible]	.[illegible]	.1											117	117	240	219
[illegible]	.2	.[illegible]	.9	.9	.[illegible]	.2	.[illegible]												80	80	205	209
[illegible]	.[illegible]	.[illegible]	.[illegible]	.5	.4	.1													56	56	190	169
[illegible]	.1	.2	.[illegible]	.5	.[illegible]	.1	.[illegible]												36	36	133	151
[illegible]		.[illegible]	.4	.2	.3														26	26	96	137
[illegible]			.1	.1		.[illegible]													5	5	48	137
[illegible]		.1																	1	1	35	151
[illegible]																					12	91
[illegible]																					[illegible]	54
[illegible]																					1	47
[illegible]																						[illegible]
[illegible]																						1[illegible]
[illegible]																						[illegible]
[illegible]																						-
[illegible]																						4
34 / 33																						1
TOTAL	.0	11.6	1[illegible].5	20.3	15.7	10.6	9.3	6.1	3.0	1.6	.[illegible]								2400	2400	2400	2400

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1[illegible]4[illegible]3093	16[illegible]796	70.[illegible]	15.634	240[illegible]							
Dry Bulb	12[illegible]54764	174188	72.6	7.14	24[illegible]			575.4	366.9	119.4	2.1	720.[illegible]
Wet Bulb	[illegible]4[illegible]2389	157[illegible]	65.8	[illegible].1[illegible]	[illegible]4[illegible]			361.8	91.[illegible]	1.2		[illegible]
Dew Point	[illegible]257011	147[illegible]3	61.6	7.74	24[illegible]			2[illegible].8	4[illegible].2	.3		720.[illegible]

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PSYCHROMETRIC SUMMARY

[illegible] | PATUXENT RIVER, MARYLAND | 73-[illegible] | JUL

STATION | STATION NAME | YEARS | 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
[illegible]											.0							1	1		
[illegible]											.0							1	1		
[illegible]									.0	.0	.0							3	3		
[illegible]								.1	.1	.0								7	7		
[illegible]							.0	.3	.1	.0		.0						13	13		
[illegible]						.0	.4	.4	.5	.0	.1							36	36		
[illegible]						.3	.6	.7	.5	.0	.1							54	54		
8 / 87			.0	.1	.3	1.3	1.2	.4	.3	.0								92	92		
8 / 80				.2	1.3	2.0	1.1	1.0	.3	.2	.1							154	154		
4 / 83			.2	.9	1.7	1.8	.7	.5	.4	.2	.1							158	158	2	1
[illegible] / 81		.3	.7	2.1	2.3	1.6	.9	.5	.4	.1	.0							216	216	16	
[illegible] / 79		.2	1.9	3.0	2.1	1.3	1.0	.8	.3	.2	.0							269	269	62	6
7 / 77	.1	1.4	2.3	2.8	2.0	.8	.9	.6	.3	.1								293	293	161	39
6 / 75	.2	2.6	2.7	2.4	1.5	.9	1.3	.1	.2									319	319	313	146
4 / 7[illegible]	.4	3.5	2.9	2.1	1.3	1.1	.6	.3	.1									301	301	433	271
[illegible] / 71	.5	3.0	2.3	1.2	.8	.5	.3	.1										221	221	399	382
[illegible] / 69	.6	1.7	1.6	.9	.8	.4	.2	.0										152	152	322	417
[illegible] / 67	.2	.8	1.7	.7	.4	.3	.0											95	95	237	283
6 / 65	.1	.4	.6	.6	.4	.1												54	54	191	222
4 / 62	.2	.3	.3	.2	.1													28	28	150	170
2 / 61	.1	.1	.0	.1	.0													7	7	97	116
[illegible] / 59		.1																2	2	59	129
[illegible] / 57		.2	.1															3	3	28	102
[illegible] / 55																				9	78
[illegible] / 53																				1	45
[illegible] / 51																					33
[illegible]																					24
[illegible] / 47																					8
[illegible] / 45																					3
4 43																					1
[illegible]	.2	14.2	1[illegible].5	17.4	15.1	12.4	9.1	[illegible].0	[illegible].6	.9	.3	.0							2479		2479
																		2479		2479	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]773[illegible]76	179525	72.4	15.18[illegible]	247[illegible]			715.8	575.3	259.0	7.5	744.[illegible]
Dry Bulb	13[illegible]16738	191644	77.3	6.[illegible]94	247[illegible]			883.7	296.2	11.1		744.0
Wet Bulb	12[illegible]11[illegible]3	174845	70.5	[illegible].35[illegible]	247[illegible]			463.4	103.3	2.1		744.0
Dew Point	11256253	166259	67.1	6.74	247[illegible]							

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13721	PATUXENT RIVER, MARYLAND	73-82
STATION	STATION NAME	YEARS

PSYCHROMETRIC SUMMARY

[illegible] PATUXENT RIVER, MARYLAND 73-[illegible] SEP
STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 95									.0									1	1		
[illegible] / 93							.0			.0								2	2		
[illegible] / 91								.0			.0							2	2		
[illegible] / 89							.1	.2	.0	.1		.0						10	10		
[illegible] / 87						.1	.3	.2	.3	.0								23	23		
[illegible] / 85			.0		.3	.3	.2	.3	.1	.1	.1							34	34		
[illegible] / 83			.1	.2	.6	.4	.5	.3	.3									54	54		
[illegible] / 81			.1	.6	1.2	.6	.5	.6	.3	.0								95	95	3	
[illegible] / 79		.0	.6	1.3	1.2	1.8	.3	.3	.1	.0								133	133	5	2
[illegible] / 77	.2	.5	1.0	1.0	1.5	.9	.6	.4	.2									151	151	40	10
[illegible] / 75	.3	.8	1.6	1.3	1.3	.8	1.3	.4	.1	.1								192	192	86	41
[illegible] / 73	.7	1.6	1.6	2.3	1.1	.6	.9	.1	.0	.0								219	219	161	64
[illegible] / 71	1.0	2.5	2.7	2.5	1.2	.8	.9	.2	.0	.1								262	262	236	154
[illegible] / 69	1.4	1.7	2.6	1.8	1.2	1.1	.3	.3	.2									251	252	259	225
[illegible] / 67	.6	1.5	3.7	2.0	.8	1.0	.3	.3	.0									242	243	254	171
[illegible] / 65	.8	2.3	3.4	2.3	.8	.3	.2	.1										245	245	253	246
[illegible] / 63	.4	1.5	1.9	1.4	.8	.4	.3	.0										159	159	277	237
[illegible] / 61	.5	1.2	1.5	.8	.4	.3	.0											113	113	234	229
[illegible] / 59	.1	.5	.9	1.0	.2	.3												71	71	187	204
[illegible] / 57	.1	.5	.7	.5	.4	.3												57	57	146	190
[illegible] / 55		.3	.5	.4	.2	.0												35	35	82	140
[illegible] / 53		.1	.2	.1	.3													16	16	76	119
[illegible] / 51			.1	.1	.0													6	6	44	114
[illegible] / 49			.1	.1	.0													5	5	30	63
[illegible] / 47																				13	46
46 / 45																				8	36
[illegible] / 43																				4	21
[illegible] / 41																					26
[illegible] / [illegible]																					23
[illegible] / 37																					14
[illegible] / 35																					7
[illegible]	.0	1[illegible].1	23.5	19.6	1[illegible].5	9.7	6.7	3.6	1.7	.5	.1	.0							2400		2398
																		2398		2398	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1[illegible]29461	178245	74.3	15.560	2399							
Dry Bulb	12089917	169445	70.6	7.268	2400			507.9	274.8	84.9	.9	720.0
Wet Bulb	1[illegible]209736	155672	64.9	6.584	2398			313.5	88.6	1.5		720.0
Dew Point	9194175	147209	61.4	8.100	2398			206.3	60.4	.6		720.0

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PSYCHROMETRIC SUMMARY

STATION [illegible] PATUXENT RIVER, MARYLAND STATION NAME 73-77 YEARS OCT MONTH

PAGE 1 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
[illegible] / 8								.0		.0								2	2		
[illegible] / 83						.0	.2	.2		.0	.0	.0						12	12		
[illegible] / 81						.1	.0		.0									4	4		
[illegible] / 7[illegible]			.0		.0	.1	.1	.1	.2									15	15		
[illegible] / 77				.1	.2	.2	.2	.1	.1	.0								24	24		
[illegible] / 75			.1	.3	.4	.2	.2	.1	.1									36	36	1	
[illegible] / 73		.1	.3	.7	.2	.4	.3	.1	.0	.0								56	56	3	1
[illegible] / 71		.2	.5	.7	.4	.5	.3	.2	.1	.1								75	75	21	3
[illegible] / 69		.4	1.0	.8	.6	.6	.6	.2	.1									106	106	45	17
[illegible] / 67	.3	1.0	1.4	.8	.6	.5	.2	.2	.1									126	126	70	37
67 / 65	.6	1.7	1.5	1.3	.6	.8	.5	.2	.1									181	181	105	76
[illegible] / 63	.4	2.8	1.2	1.5	.9	.8	.6	.2	.1									210	210	167	102
[illegible] / 61	.7	1.5	1.2	1.3	.8	1.3	.6	.2	.1									188	188	171	150
[illegible] / 59	.6	1.4	1.9	1.0	1.3	1.2	.6	.2	.0									206	206	144	118
[illegible] / 57	.3	1.5	1.2	1.5	1.0	.6	.8	.0										196	196	178	134
[illegible] / 55	.4	.9	1.5	1.5	1.4	.8	.3											169	169	166	133
[illegible] / 53	.4	1.0	2.1	2.3	1.3	.8	.3											201	201	175	158
[illegible] / 51	.4	.9	2.3	1.0	.8	.2												163	163	205	124
[illegible] / 49	.3	.9	2.4	1.7	.7	.4	.0											160	160	213	139
[illegible] / 47	.4	1.2	.8	1.3	.9	.2												121	121	217	147
[illegible] / 45	.2	.7	.7	1.0	.4													76	76	195	155
[illegible] / 43	.3	.4	.6	.8	.1													56	56	128	190
[illegible] / 41	.2	.5	.5	.7	.1													50	50	95	167
[illegible] / 39	.1	.3	.5	.2														26	26	84	149
[illegible] / 37		.1	.3	.1														12	12	44	102
[illegible] / 35		.1	.1															5	5	32	101
[illegible] / 33	.0		.1															4	4	16	89
[illegible] / 31																				3	67
[illegible] / 29																				2	52
[illegible] / 27																					41
[illegible] / 25																					20
[illegible] / 23																					7
21 / 21																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-82 YEARS | OCT MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	5.8	17.5	22.9	21.5	13.0	10.0	5.8	2.2	1.0	.2	.0	.0						2480	2480	2480	2480

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	13141267	175507	70.8	17.052	2480							
Dry Bulb	9662575	144845	58.4	9.046	2480			136.8	44.7	6.6		744.0
Wet Bulb	7164319	131593	53.1	8.563	2480		1.5	42.0	1.2			744.0
Dew Point	6026237	119401	48.1	10.582	2480		56.4	17.4	.6			744.0

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1478 2097-53321

2

PSYCHROMETRIC SUMMARY

1 721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
NOV — MONTH
PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81									.0									1	1		
/ 79								.0										1	1		
7 / 77					.0	.0	.0	.2	.1		.1							12	12		
/ 75				.0	.0	.0		.1										5	5		
4 / 73				.1	.1	.1	.0	.0	.0									10	10		
/ 71			.1	.1	.3	.1	.1	.1	.0	.1								20	20		
/ 69		.1	.3	.3	.2	.3	.3		.1									34	34	5	
/ 67		.2	.2	.5	.5	.3	.3	.1	.1									58	58	12	3
5 / 65	.1	.8	.6	.3	.2	.3	.3	.1	.3									73	73	25	17
/ 63	.3	1.3	.5	.5	.3	.3	.4	.1	.2									91	91	62	39
/ 61	.3	1.2	.5	.8	.7	.3	.3	.3										104	104	79	50
/ 59	.3	1.1	.8	.3	.5	.5	.3	.2										110	110	86	70
/ 57	.4	1.2	1.2	.8	.6	.6	.4	.1										121	121	91	54
5 / 55	.4	.9	1.2	.7	.6	.8	.4	.1										126	126	103	74
4 / 53	.2	1.6	1.7	1.0	.9	1.1	.5											165	165	109	71
2 / 51	.2	1.3	1.9	1.2	1.3	.8	.2											166	166	119	93
7 / 49	.5	1.8	1.9	1.5	1.6	1.3	.1											207	207	158	108
/ 47	.3	1.8	1.5	1.7	1.8	.9	.3											190	190	163	116
5 / 45	.2	1.3	2.4	2.1	1.5	.8												198	199	183	121
4 / 43	.2	1.3	1.4	1.6	1.8	.1												153	153	177	121
2 / 41	.3	1.2	1.4	2.0	1.3	.2												150	150	203	104
8 / 39	.2	.7	1.1	2.2	.5													113	113	197	144
3 / 37	.2	.8	1.1	1.7	.4													99	99	162	128
6 / 35	.2	.4	1.3	.9	.1													66	66	144	143
34 / 33	.1	.6	1.4	.4	.0													60	60	119	142
2 / 31	.1	.5	.5	.2														31	31	97	134
/ 29		.3	.4	.2														20	20	63	108
1 / 27		.2	.1															8	8	24	131
/ 25	.1	.1																4	4	16	127
24 / 23	.1																	1	1	9	121
2 / 21		.1	.1															2	2	1	81
/ 19																				1	49
/ 17																					19
1 / 15																					11

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

2

1 721 | PATUXENT RIVER, MARYLAND | 73-02 | NOV

STATION | STATION NAME | YEARS | MONTH

PAGE 2

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
[illegible] 13																					12
1[illegible] 11																					4
[illegible] 9																					2
TOTAL	4.6	20.4	23.7	21.6	15.0	8.8	3.5	1.5	.8	.1	.1								2400		2399
																		2399		2399	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	11334707	162823	67.9	18.079	2399							
Dry Bulb	6283508	120450	50.2	9.969	2400		19.8	42.3	8.7	.8		720.0
Wet Bulb	5110606	108316	45.2	9.580	2399		63.3	4.5				720.0
Dew Point	4013526	93714	39.1	12.127	2399		239.8	.9				720.0

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PSYCHROMETRIC SUMMARY

17721	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

PAGE 1

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
[illegible] 73				•0		•1												3	3		
[illegible] 71				•1														2	2		
[illegible] 69			•[illegible]	•1	•0	•0	•0											11	11		
[illegible] 67			•[illegible]	•[illegible]	•3		•0											14	14	2	
67 65			•4	•3		•0	•[illegible]		•1									29	28	10	
[illegible] 63		•	•[illegible]	•2		•[illegible]	•1	•1										18	18	3	10
[illegible] 61		•[illegible]	•[illegible]	•1	•0	•1	•[illegible]	•0										19	19	17	9
[illegible] 59	•	•2	•3	•4	•2	•1		•0										32	32	25	12
[illegible] 57		•[illegible]	•4	•2	•2	•[illegible]	•2	•1	•0									42	42	18	19
[illegible] 55	•[illegible]	1•[illegible]	•[illegible]	•3	•1	•[illegible]	•2	•1	•0									72	72	31	26
[illegible] 53	•1	•9	•6	•3	•4	•5	•2	•[illegible]										76	76	56	28
[illegible] 51	•[illegible]	1•3	•6	•2	•7	•[illegible]	•2	•1										88	88	60	53
[illegible] 49	•[illegible]	1•2	•7	•6	•7	•4	•2											103	103	73	55
[illegible] 47	•2	1•[illegible]	•[illegible]	•9	•[illegible]	1•[illegible]	•2											140	140	66	6[illegible]
[illegible] 45	•[illegible]	1•7	1•9	1•7	1•2	•6	•1											183	183	110	7[illegible]
[illegible] 43	•[illegible]	2•5	1•7	1•3	1•4	•3												193	183	177	56
[illegible] 41	•4	1•[illegible]	2•[illegible]	1•7	1•[illegible]	•3												208	208	167	79
[illegible] 39	•[illegible]	2•4	2•[illegible]	2•7	1•3	•2												230	231	193	104
[illegible] 37	•[illegible]	2•1	2•1	3•6	1•1	•[illegible]												236	236	238	135
[illegible] 35	•1	2•[illegible]	2•[illegible]	2•1	•7													177	177	201	117
[illegible] 33	•2	1•7	2•[illegible]	1•7	•[illegible]													146	146	237	184
[illegible] 31	•[illegible]	1•[illegible]	1•7	1•7	•[illegible]													123	123	200	164
[illegible] [illegible]	•1	1•[illegible]	1•[illegible]	1•1	•1													102	102	165	140
[illegible] 27	•[illegible]	•[illegible]	1•4	•7														74	74	125	126
[illegible] 25	•	•7	1•4	•2														59	59	101	143
[illegible] 23		•6	•9	•1														41	41	91	147
[illegible] 21		•6	•6															32	32	60	159
[illegible] 19		•4	•[illegible]															17	17	38	111
[illegible] 17		•1	•2															7	7	26	97
1 / 1		•1	•2															8	8	10	86
[illegible] 13		•[illegible]	•0															2	2	6	92
1 / 11		•[illegible]																1	1	4	60
[illegible] [illegible]																				2	51
[illegible] 7																					27

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

1721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PAGE 2 (HOURS LST)

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
[illegible]																					21
[illegible]																					12
[illegible]																					9
[illegible]																					4
[illegible]																					3
[illegible]																					1
[illegible]																					2
TOTAL	3.3	26.3	28.9	22.3	11.3	5.0	1.6	.5	.2										2478		2477
																		2477		2477	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11788357	165111	66.7	17.776	2477							
Dry Bulb	4414570	101604	41.0	10.017	2478		139.9	9.0	.9			744.0
Wet Bulb	3578051	91081	36.8	9.615	2477		248.7	.6				744.0
Dew Point	2598247	73997	29.9	12.513	2477	3.0	439.7					744.0

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PSYCHROMETRIC SUMMARY

2

17721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
73-82 — YEARS
ALL — 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 / 101											.0							1	1			
1 / 99											.0							1	1			
9 / 97									.0	.0	.0							4	4			
4 / 95								.0	.0	.0								12	12			
1 / 93						.0	.0	.0	.0	.0		.0						36	36			
1 / 91					.0	.0	.1	.1	.1	.0	.0							72	72			
1 / 89					.0	.1	.1	.2	.1	.0	.0	.0	.0					140	140			
5 / 87			.1	.1	.1	.2	.3	.1	.1	.0	.0							226	226			
5 / 85			.1	.2	.3	.4	.2	.2	.1	.1	.0	.0	.0		.0			380	380			
4 / 83		.1	.3	.2	.4	.4	.3	.2	.1	.1	.0	.0	.0					501	501	4	1	
1 / 81		.2	.2	.5	.6	.4	.3	.2	.1	.1	.0	.0	.0					720	720	28	1	
1 / 79		.0	.4	.7	.6	.5	.3	.2	.1	.1	.0	.0	.0					916	916	142	14	
7 / 77	.1	.3	.7	.9	.7	.4	.3	.2	.2	.1	.0							1069	1069	405	95	
74 / 75	.1	.6	1.0	.9	.6	.4	.4	.2	.1	.0	.0		.0					1263	1263	817	348	
74 / 73	.1	.6	1.0	.9	.5	.4	.3	.2	.1	.0	.0		.0					1349	1349	1249	759	
72 / 71	.2	.9	1.0	.8	.5	.3	.3	.2	.1	.1	.0							1299	1299	1410	1118	
70 / 69	.3	.7	1.0	.7	.6	.4	.3	.2	.1	.1	.0							1212	1213	1369	1356	
68 / 67	.3	.5	1.2	.7	.5	.4	.2	.1	.1	.0	.0							1166	1167	1261	1136	
67 / 65	.2	.7	1.1	.7	.5	.4	.2	.1	.1	.0								1195	1195	1261	1130	
66 / 63	.2	.5	.7	.7	.4	.3	.2	.2	.1	.0	.0							1064	1064	1333	1137	
64 / 61	.2	.4	.7	.6	.5	.3	.2	.2	.0	.0								973	973	1256	1169	
62 / 59	.2	.6	.7	.5	.4	.4	.3	.1	.0	.0								952	952	1079	1099	
60 / 57	.2	.5	.7	.6	.4	.4	.3	.1	.0									951	951	1039	1051	
58 / 55	.1	.6	.7	.5	.4	.5	.3	.1	.0									941	941	952	959	
56 / 53	.1	.6	.8	.6	.5	.5	.3	.1	.0									1027	1027	960	908	
54 / 51	.1	.7	.8	.5	.6	.4	.2	.0										977	977	943	914	
52 / 49	.2	.7	.8	.6	.6	.5	.1	.0										1037	1037	1058	917	
50 / 47	.1	.9	.6	.7	.7	.4	.1											1026	1026	1094	905	
48 / 45	.1	.8	.8	.8	.4	.2	.1											988	989	1133	911	
46 / 43	.2	.8	.7	.7	.5	.2	.0											929	929	1098	859	
44 / 41	.3	.6	.9	.6	.6	.1												917	917	1105	863	
42 / 39	.3	.7	.7	.9	.4	.1	.0											869	870	1090	935	
40 / 37	.2	.8	.7	.9	.3	.0												869	869	1067	879	
38 / 35	.1	.7	.9	.7	.3	.0												775	775	975	934	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME PATUXENT RIVER, MARYLAND YEARS [illegible] MONTH ALL

PAGE 2 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.. W B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] 33	.1	.5	.9	.7	.2	.0												681	681	939	1015
32 / 31	.1	.3	.6	.5	.1													551	552	824	933
[illegible] / 29	.1	.5	.7	.4	.0													509	511	704	807
[illegible] / 27	.1	.4	.6	.3	.0													427	427	623	841
[illegible] / 25	.1	.4	.6	.2														343	343	494	826
24 / 23	.0	.3	.5	.1														256	256	428	746
22 / 21	.0	.3	.3	.0														184	184	353	653
20 / 19	.0	.2	.2	.0														128	128	255	504
18 / 17	.0	.1	.2	.0														81	81	143	490
16 / 15	.0	.1	.1															65	65	113	384
[illegible] / 13	.0	.1	.1															47	47	61	362
12 / 11	.0	.1	.0															25	25	59	333
[illegible] / 9		.1	.0															21	21	29	260
8 / 7		.0	.0															11	11	21	185
[illegible] / 5		.0	.0															9	9	11	139
4 / 3	.0	.0																2	2	12	93
[illegible] / 1		.0																2	2	1	77
[illegible] / -1	.0																	2	2	4	33
-2 / -3	.0																	2	2	2	42
-4 / -5																					24
-6 / -7																					23
-8 / -9																					14
-10 / -11																					9
-12 / -13																					6
-14 / -15																					5
-16 / -17																					4
-18 / -19																					3
-20 / -21																					2
-22 / -27																					1
TOTAL	.3	.3	23.5	19.2	13.4	9.0	5.7	3.2	1.7	.8	.2	.1	.0		.0				29210		29203
																		29203		29203	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	144272581	1998867	68.4	17.994	29203							
Dry Bulb	103990076	1667666	57.1	17.336	29210	1.2	798.9	3111.0	2007.2	759.4	16.2	8760.0
Wet Bulb	85160703	1504991	51.5	16.132	29203	1.8	1239.7	2006.0	793.7	25.5		8760.0
Dew Point	71790978	1340378	45.9	18.753	29203	49.1	2336.5	1448.8	530.9	4.8		8760.0

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2

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	32.3	33.8	43.0	51.5	60.0	68.1	72.9	72.7	67.2	55.0	47.5	39.0	53.7
	S. D.	10.161	10.341	9.199	8.071	6.898	5.665	4.428	4.615	5.850	8.138	9.151	9.758	16.171
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	31.5	32.8	41.6	49.9	58.7	66.8	71.7	71.6	66.0	54.0	46.4	38.2	52.5
	S. D.	10.307	10.731	9.215	8.070	6.936	5.685	4.505	4.489	5.971	8.161	9.141	9.834	16.120
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	31.0	31.8	41.6	52.0	61.5	70.2	74.3	73.5	67.0	54.0	45.7	37.5	53.4
	S. D.	10.648	10.771	9.222	7.831	6.657	5.078	4.179	4.271	5.792	8.101	9.359	10.252	17.211
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	35.4	38.3	48.4	58.9	67.2	75.5	80.2	79.8	73.6	61.5	52.7	42.6	59.6
	S. D.	10.137	11.204	10.051	9.434	7.781	5.981	5.146	5.276	6.540	7.858	9.141	9.425	17.507
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	38.7	41.9	51.5	61.7	70.1	78.3	83.1	82.9	76.7	64.9	56.3	45.9	62.8
	S. D.	10.369	11.697	10.502	9.623	7.992	6.311	5.513	5.837	6.782	8.452	9.922	9.877	17.552
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	38.5	41.8	51.4	61.5	69.7	78.0	83.0	82.3	75.8	63.7	54.8	44.7	62.2
	S. D.	10.258	11.354	9.586	9.356	7.920	6.384	5.350	5.464	6.341	8.052	9.336	9.178	17.394
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	34.5	36.9	46.8	56.4	65.3	74.0	78.8	77.2	70.3	57.9	49.7	40.6	57.5
	S. D.	10.027	10.131	8.670	8.334	6.972	5.618	4.648	4.899	5.825	7.699	8.822	9.103	17.012
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	33.2	35.2	44.7	53.4	61.9	69.8	74.6	74.2	68.3	56.1	48.8	39.5	55.1
	S. D.	10.003	10.379	9.030	8.224	7.014	5.628	4.434	4.635	5.724	7.981	9.327	9.381	16.319
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	34.4	36.6	46.1	55.7	64.3	72.6	77.3	76.8	70.6	58.4	50.2	41.0	57.1
	S. D.	10.600	11.419	10.174	9.666	8.369	7.146	6.394	6.470	7.269	9.046	9.969	10.017	17.337
	TOTAL OBS	2478	2256	2480	2399	2480	2400	2479	2480	2400	2480	2400	2478	29210

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2

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.6	30.6	38.8	46.2	55.9	63.9	68.8	69.1	63.5	51.4	43.7	35.6	49.9
	S. D.	10.072	9.720	8.689	7.781	7.060	6.125	4.716	4.901	6.450	8.494	9.399	9.761	15.983
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
04	MEAN	28.9	29.9	38.0	45.3	55.1	63.1	68.1	68.5	62.8	50.8	43.0	35.0	49.1
	S. D.	10.277	10.122	8.959	7.968	7.408	6.103	4.898	4.906	6.656	8.640	9.489	9.824	16.070
	TOTAL OBS	308	282	310	300	310	300	310	310	299	310	300	310	3649
07	MEAN	28.5	29.2	38.1	47.0	57.2	65.3	69.8	69.8	63.8	50.9	42.6	34.4	49.8
	S. D.	10.584	10.313	9.085	7.858	7.295	5.705	4.715	4.886	6.527	8.541	9.635	10.173	16.836
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
10	MEAN	31.7	33.5	42.2	49.9	59.5	67.2	71.8	72.1	66.3	54.8	46.8	38.0	52.9
	S. D.	9.938	10.251	9.152	8.219	7.369	5.720	4.789	5.008	6.425	8.202	9.266	9.401	16.154
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
13	MEAN	33.6	35.5	43.8	51.2	60.8	68.0	72.7	72.8	67.3	56.1	48.5	39.8	54.3
	S. D.	9.567	9.806	8.783	7.994	7.171	5.852	4.922	5.097	6.351	8.136	9.344	9.238	15.715
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	299	310	3650
16	MEAN	33.5	35.5	43.7	51.1	60.6	67.9	72.5	72.5	66.9	55.7	47.7	38.9	54.0
	S. D.	9.539	9.555	8.059	7.630	7.099	5.862	4.928	4.923	6.188	7.999	9.076	8.736	15.614
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	31.0	32.8	41.2	48.7	58.6	66.2	70.9	70.7	64.7	52.9	44.9	36.6	51.7
	S. D.	9.821	9.327	8.048	7.524	6.954	5.812	4.651	5.010	6.295	8.217	9.177	9.114	15.915
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	30.1	31.6	40.1	47.3	57.2	64.6	69.6	69.7	64.0	51.9	44.1	35.9	50.6
	S. D.	9.842	9.467	8.533	7.679	7.067	6.024	4.738	4.931	6.324	8.353	9.515	9.331	15.901
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	30.9	32.3	40.7	48.3	58.1	65.8	70.5	70.7	64.9	53.1	45.2	36.8	51.5
	S. D.	10.109	10.071	8.940	8.101	7.437	6.141	5.051	5.181	6.884	8.563	9.580	9.616	16.133
	TOTAL OBS	2476	2255	2480	2399	2480	2400	2479	2480	2398	2480	2399	2477	29203

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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	23.3	24.1	32.7	40.1	52.5	61.1	66.6	67.2	61.1	47.9	38.8	29.7	45.5
	S. D.	13.134	12.314	11.227	10.237	8.922	7.550	5.794	5.857	7.854	10.186	11.808	12.536	18.492
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
04	MEAN	23.0	23.7	32.3	40.0	51.9	60.8	66.2	66.8	60.8	47.6	38.6	29.3	45.2
	S. D.	13.403	12.558	11.506	10.174	9.318	7.275	6.033	5.910	8.016	10.304	11.728	12.466	18.524
	TOTAL OBS	308	282	310	300	310	300	310	310	299	310	300	310	3649
07	MEAN	22.7	23.2	32.6	41.4	53.7	62.3	67.4	67.8	61.7	47.7	38.3	28.9	45.8
	S. D.	13.485	12.749	11.728	10.345	9.559	7.269	6.159	6.028	7.934	10.261	11.705	12.573	19.094
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
10	MEAN	23.9	24.6	33.9	40.4	53.6	62.3	67.7	68.3	62.0	48.9	40.0	30.9	46.5
	S. D.	13.585	13.378	12.264	11.505	10.216	7.588	6.334	6.385	8.208	10.924	12.265	12.595	18.958
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
13	MEAN	24.1	24.5	33.8	40.3	53.8	61.9	67.6	67.8	61.7	48.4	39.6	30.7	46.3
	S. D.	13.330	13.173	12.124	11.752	10.420	8.296	6.856	6.738	8.481	11.186	12.741	12.833	18.976
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	299	310	3650
16	MEAN	24.0	24.8	33.7	40.3	53.6	61.9	67.3	67.7	61.5	48.5	39.6	30.1	46.2
	S. D.	13.479	12.763	11.742	11.461	10.412	8.258	6.980	6.662	8.531	11.068	12.654	12.564	18.871
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	23.8	24.8	33.4	40.2	53.3	61.4	66.9	67.2	61.2	48.2	38.9	29.7	45.8
	S. D.	13.261	12.533	11.226	11.007	9.808	8.077	6.423	6.567	7.939	10.439	12.064	12.304	18.586
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	23.4	24.5	33.5	40.3	53.5	61.3	66.9	67.4	61.2	47.9	38.7	29.8	45.8
	S. D.	13.059	12.090	11.297	10.593	8.846	7.544	6.008	6.138	7.832	10.287	12.052	12.247	18.495
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	23.5	24.3	33.3	40.4	53.2	61.6	67.1	67.5	61.4	48.1	39.1	29.9	45.9
	S. D.	13.332	12.692	11.643	10.892	9.713	7.749	6.345	6.301	8.100	10.582	12.128	12.513	18.753
	TOTAL OBS	2476	2255	2480	2399	2480	2400	2479	2480	2398	2480	2399	2477	29203

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.7	99.0	87.4	69.9	50.2	31.4	12.3	70.7	309
	04	100.0	99.7	99.7	98.7	88.6	72.1	52.6	37.3	15.3	72.2	308
	07	100.0	100.0	99.7	98.4	89.3	71.8	53.4	37.2	17.2	72.6	309
	10	100.0	100.0	99.4	94.8	71.6	49.7	37.1	26.8	10.6	64.8	310
	13	100.0	100.0	97.1	80.0	59.0	37.1	28.7	16.8	7.7	58.3	310
	16	100.0	100.0	95.5	78.7	57.7	41.3	31.0	19.7	6.1	58.6	310
	19	100.0	100.0	99.4	95.5	78.7	57.7	42.6	25.5	9.0	66.5	310
	22	100.0	100.0	99.4	96.8	85.2	64.5	46.5	28.4	11.3	69.0	310
TOTALS		100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	96.8	84.8	68.4	51.4	29.1	9.2	69.2	282
	04	100.0	100.0	100.0	97.9	88.3	70.9	54.3	33.0	8.2	70.6	282
	07	100.0	100.0	99.6	98.6	92.2	74.8	53.9	36.5	8.5	71.8	282
	10	100.0	100.0	98.2	85.8	64.5	41.1	29.8	20.2	6.7	60.0	282
	13	100.0	98.6	89.0	65.5	45.9	32.0	21.4	16.0	4.6	53.3	281
	16	100.0	99.3	91.1	69.5	48.9	32.6	23.8	18.1	5.7	54.4	282
	19	100.0	100.0	98.2	90.8	73.0	52.5	37.6	21.6	7.1	63.6	282
	22	100.0	100.0	100.0	93.6	80.1	63.5	43.6	26.2	6.0	66.8	282
TOTALS		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255

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RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 MAR

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	99.7	96.1	83.2	64.5	50.0	27.4	12.9	69.1	310
	04	100.0	100.0	100.0	98.1	86.8	67.4	53.5	33.5	13.5	71.2	310
	07	100.0	100.0	100.0	97.4	89.0	69.4	52.6	37.7	13.5	72.2	310
	10	100.0	100.0	97.4	85.5	56.8	43.5	29.7	21.3	8.1	60.1	310
	13	100.0	99.4	90.0	71.0	48.7	33.2	25.5	17.1	6.5	54.6	310
	16	100.0	99.0	89.7	69.7	49.0	36.1	26.5	16.5	6.1	54.7	310
	19	100.0	99.7	98.1	85.8	67.7	51.0	34.5	21.9	7.4	62.2	310
	22	100.0	100.0	99.7	93.5	75.5	61.0	45.8	28.1	11.0	67.0	310
TOTALS		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.0	95.3	82.0	66.7	43.3	21.7	6.0	67.0	300
	04	100.0	100.0	100.0	99.0	88.0	72.0	52.7	26.3	7.3	70.2	300
	07	100.0	100.0	99.7	98.3	85.7	63.7	48.3	24.3	6.3	68.7	300
	10	100.0	100.0	93.0	70.7	47.3	30.3	18.3	10.0	1.7	52.8	300
	13	100.0	99.7	83.0	60.0	38.3	25.3	15.3	8.3	1.7	48.6	300
	16	100.0	97.7	82.0	61.3	40.3	26.3	17.3	7.0	2.3	49.1	300
	19	100.0	99.7	94.0	80.3	56.0	42.3	27.0	12.7	2.7	57.5	300
	22	100.0	100.0	98.0	91.0	71.9	56.2	38.5	17.4	4.0	63.6	299
TOTALS		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399

NAVWEASERVCOM

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	99.7	98.7	96.1	85.5	69.0	47.4	19.0	77.6	310
	04	100.0	100.0	100.0	100.0	95.8	88.4	73.9	55.8	22.3	79.4	310
	07	100.0	100.0	100.0	99.4	94.5	83.5	67.7	44.8	19.4	77.0	310
	10	100.0	100.0	98.1	90.3	73.2	54.5	36.5	21.9	7.4	64.0	310
	13	100.0	99.7	94.5	83.2	61.3	45.5	30.3	16.5	4.8	59.2	310
	16	100.0	100.0	93.5	80.3	63.5	47.4	29.0	17.7	7.1	59.6	310
	19	100.0	100.0	99.4	93.9	77.4	63.2	46.1	27.4	10.6	67.6	310
	22	100.0	100.0	100.0	99.4	94.2	81.9	65.2	39.4	13.9	75.4	310
TOTALS		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT PIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.0	94.0	76.3	47.3	16.3	79.1	300
	04	100.0	100.0	100.0	100.0	99.7	96.3	84.7	55.3	19.0	81.6	300
	07	100.0	100.0	100.0	100.0	99.3	91.7	70.0	40.7	11.7	76.8	300
	10	100.0	100.0	100.0	97.3	86.7	59.7	34.7	15.0	3.3	65.0	300
	13	100.0	100.0	99.3	89.7	68.7	42.7	24.3	8.0	2.3	59.0	300
	16	100.0	100.0	99.3	88.0	71.3	43.3	25.7	11.3	2.3	59.6	300
	19	100.0	100.0	100.0	96.7	83.3	62.7	40.3	20.7	5.0	66.3	300
	22	100.0	100.0	100.0	100.0	98.0	89.0	65.3	35.7	8.7	75.3	300
TOTALS		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) JUL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	99.7	95.8	80.6	56.5	21.9	81.3	310
	04	100.0	100.0	100.0	99.7	99.0	96.8	88.1	65.2	24.5	83.6	310
	07	100.0	100.0	100.0	99.7	98.7	92.3	80.3	54.8	17.1	80.0	310
	10	100.0	100.0	100.0	99.4	89.4	67.4	38.7	13.5	2.6	66.9	310
	13	100.0	100.0	99.7	95.2	76.1	50.6	21.6	8.7	2.6	61.0	310
	16	100.0	100.0	100.0	93.9	72.9	48.4	23.2	9.4	1.9	60.7	310
	19	100.0	100.0	100.0	100.0	89.3	69.9	45.0	19.1	4.9	68.2	309
	22	100.0	100.0	100.0	100.0	99.4	93.2	72.6	43.9	13.9	77.7	310
TOTALS		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	99.7	97.7	90.6	65.8	21.6	83.4	310
	04	100.0	100.0	100.0	99.7	99.4	98.4	92.3	74.8	25.8	85.3	310
	07	100.0	100.0	100.0	100.0	99.4	98.4	89.4	63.9	23.2	83.1	310
	10	100.0	100.0	100.0	99.4	95.5	73.5	43.2	16.1	3.2	68.9	310
	13	100.0	100.0	100.0	97.1	77.7	51.9	25.5	6.8	1.0	61.6	310
	16	100.0	100.0	100.0	96.1	80.3	55.2	30.0	7.7	1.6	62.5	310
	19	100.0	100.0	100.0	99.4	95.8	82.3	56.1	28.1	7.4	72.3	310
	22	100.0	100.0	100.0	99.7	99.0	95.2	83.5	48.4	13.5	80.0	310
TOTALS		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2480

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 SEP

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	98.0	93.6	83.9	57.9	22.1	81.6	299
	04	100.0	100.0	100.0	100.0	99.7	95.3	88.6	68.9	26.4	84.1	299
	07	100.0	100.0	100.0	100.0	100.0	94.7	87.0	64.7	27.7	83.8	300
	10	100.0	100.0	100.0	99.7	90.3	70.0	43.7	18.0	6.0	68.3	300
	13	100.0	100.0	99.7	95.3	73.0	49.0	25.0	11.7	4.3	61.6	300
	16	100.0	100.0	99.7	93.3	78.7	52.3	28.0	14.3	5.7	62.8	300
	19	100.0	100.0	100.0	99.7	96.0	85.7	61.0	30.7	9.3	73.7	300
	22	100.0	100.0	100.0	100.0	97.7	92.0	78.0	49.3	15.0	78.8	300
TOTALS		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	99.0	91.3	71.6	43.9	14.8	77.8	310
	04	100.0	100.0	100.0	100.0	98.4	90.6	74.5	52.9	18.7	79.8	310
	07	100.0	100.0	100.0	100.0	98.7	91.3	75.2	54.5	21.9	80.3	310
	10	100.0	100.0	100.0	96.8	78.4	57.1	35.5	20.0	6.8	65.0	310
	13	100.0	100.0	98.4	83.9	59.4	36.8	20.6	13.5	2.6	57.2	310
	16	100.0	100.0	99.0	89.4	65.2	41.9	29.4	14.5	4.8	59.8	310
	19	100.0	100.0	100.0	99.7	91.6	75.2	50.0	27.7	10.0	71.2	310
	22	100.0	100.0	100.0	99.7	96.8	82.6	59.4	34.8	14.2	75.0	310
TOTALS		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.0	92.3	74.0	56.7	36.0	14.7	73.2	300
	04	100.0	100.0	100.0	99.3	94.3	81.0	63.3	41.7	16.0	75.5	300
	07	100.0	100.0	100.0	99.7	96.0	84.7	63.0	42.0	16.0	76.4	300
	10	100.0	100.0	100.0	96.3	73.3	48.7	35.3	20.7	8.7	64.0	300
	13	100.0	100.0	97.7	75.3	50.2	37.1	23.7	15.1	7.0	56.2	299
	16	100.0	100.0	98.7	81.0	59.0	42.0	30.7	19.3	6.0	59.2	300
	19	100.0	100.0	100.0	96.7	84.7	63.3	44.3	26.3	10.0	68.1	300
	22	100.0	100.0	99.7	99.0	86.0	69.0	50.3	31.0	10.0	70.3	300
TOTALS		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-82 DEC

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	98.1	86.5	67.1	51.9	30.3	9.4	70.5	310
	04	100.0	100.0	100.0	99.7	91.6	72.6	52.3	34.8	10.6	71.6	310
	07	100.0	100.0	100.0	99.0	93.2	74.5	56.1	32.3	10.0	72.2	310
	10	100.0	100.0	100.0	94.8	75.4	52.8	37.5	24.3	10.4	65.1	309
	13	100.0	100.0	96.8	80.0	56.8	38.4	28.7	17.4	7.1	58.0	310
	16	100.0	100.0	96.5	81.6	59.0	41.6	30.6	20.0	6.5	59.3	310
	19	100.0	100.0	99.4	95.1	78.0	63.1	42.1	26.5	6.8	66.8	309
	22	100.0	100.0	100.0	98.4	83.8	67.6	50.2	29.8	9.1	69.7	309
TOTALS		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477

NAVWEASERVCOM

2

RELATIVE HUMIDITY

13721	PATUXENT RIVER, MARYLAND	73-82	ALL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476
FEB		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255
MAR		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480
APR		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399
MAY		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480
JUN		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400
JUL		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479
AUG		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2480
SEP		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398
OCT		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480
NOV		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399
DEC		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477
TOTALS		100.0	99.9	98.5	93.1	81.0	65.5	48.6	29.9	10.3	68.4	29203

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[redacted] PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 JANUARY ALL
STATION YEARS MONTH HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						60.0	40.0			5	.2
67 TO 71					16.7	50.0	33.3			6	.2
62 TO 66	12.5				25.0	50.0	12.5			8	.3
57 TO 61		5.1	2.6	5.3	36.8	21.1	13.4	10.5		39	1.5
52 TO 56	6.2	4.9	1.2	6.2	17.3	30.9	22.2	3.6	2.5	81	3.3
47 TO 51	13.3	5.3	3.3	10.0	18.7	14.3	23.3	8.3	4.3	150	6.1
42 TO 46	16.4	9.2	6.7	10.7	13.7	9.2	11.7	14.4	8.4	299	12.1
37 TO 41	19.3	8.6	5.1	3.2	9.3	8.4	12.6	17.3	11.4	426	17.3
32 TO 36	19.3	11.0	7.5	6.3	6.7	7.1	8.9	20.9	12.2	537	21.7
27 TO 31	26.2	4.1	8.2	3.1	9.4	4.1	12.1	20.3	12.3	413	16.7
22 TO 26	30.0	11.4	2.9	2.3	6.8	4.6	8.5	26.1	7.5	307	12.4
17 TO 21	27.9	3.3	3.3	.8	6.6	2.5	23.0	23.8	9.3	122	4.9
12 TO 16	41.5		1.5		1.5	4.6	15.4	23.1	12.3	65	2.6
7 TO 11	15.6		3.1		6.3	3.1	31.3	37.5	3.1	32	1.3
2 TO 6	20.0						30.0	40.0	10.0	10	.4
-3 TO 1	16.7						16.7	66.7		6	.2
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LOWER											
TOTALS	21.2	7.7	5.5	5.7	9.9	8.1	13.2	19.1	9.6	2475	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) FEBRUARY (MONTH) ALL (HOURS OBSVD.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						33.3	66.7			3	.1
72 TO 76					12.5	37.5	50.0			8	.4
67 TO 71				11.1	11.1	66.7	11.1			9	.4
62 TO 66	8.6			5.7	11.4	42.9	31.4			35	1.6
57 TO 61	2.9		1.5	4.4	17.6	42.6	25.0	4.4	1.5	68	3.0
52 TO 56	6.9	3.4	3.4	12.9	19.8	27.6	15.5	6.9	4.3	116	5.1
47 TO 51	10.1	9.1	3.4	16.3	18.5	12.9	13.5	12.4	3.9	178	7.9
42 TO 46	15.7	8.2	6.0	15.4	18.7	10.1	7.9	13.1	4.9	267	11.8
37 TO 41	19.9	10.5	8.6	8.6	10.8	9.1	7.2	17.5	7.8	361	16.0
32 TO 36	24.6	14.5	7.5	6.7	8.7	4.6	3.4	20.5	9.6	415	18.4
27 TO 31	23.1	14.3	6.1	5.3	9.0	3.2	4.0	22.5	12.5	377	16.7
22 TO 26	28.9	8.4	4.4	2.8	3.6	4.4	5.6	28.5	13.3	249	11.0
17 TO 21	31.3	10.7	1.8	5.4	2.7	1.8	1.8	35.7	8.9	112	5.0
12 TO 16	44.2	4.7	2.3			9.3		30.2	9.3	43	1.9
7 TO 11	42.9	28.6						21.4	7.1	14	.6
2 TO 6		100.0								1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	20.6	10.4	5.6	8.1	10.9	9.6	7.5	19.0	8.4	2256	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 MARCH ALL
STATION STATION NAME YEARS MONTH HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100.0			1	.0
77 TO 81						81.8	18.2			11	.4
72 TO 76					15.8	47.4	36.8			19	.8
67 TO 71			2.1	8.5	14.9	46.8	23.4	4.3		47	1.9
62 TO 66	6.8	3.9	3.9	5.8	15.5	35.9	17.5	10.7		103	4.2
57 TO 61	9.2	5.2	2.3	14.5	21.4	20.2	16.8	8.7	1.7	173	7.0
52 TO 56	10.8	10.5	6.7	16.7	20.2	12.0	7.9	12.3	2.9	342	13.8
47 TO 51	14.4	8.2	6.6	15.4	22.6	5.6	6.0	13.6	7.6	500	20.2
42 TO 46	15.6	13.0	8.8	10.5	16.3	3.7	5.3	17.5	9.3	486	19.6
37 TO 41	19.8	10.3	9.5	7.1	8.7	5.5	6.6	21.1	11.3	379	15.3
32 TO 36	26.4	7.2	6.4	2.4	6.4	3.6	10.4	28.4	8.8	250	10.1
27 TO 31	34.9	7.1	7.9	3.2	4.8	4.0	6.3	18.3	13.5	126	5.1
22 TO 26	52.0				4.0	8.0	12.0	16.0	8.0	25	1.0
17 TO 21	35.7	42.9						21.4		14	.6
12 TO 16	100.0									4	.2
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.7	9.1	6.9	10.4	15.3	9.5	8.6	16.3	7.3	2480	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (MONTH) ALL (HOURS)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33.3	66.7			3	.1
82 TO 86	3.8			15.4		26.9	34.6	19.2		26	1.1
77 TO 81		2.4		7.3	7.3	36.6	26.8	17.1	2.4	41	1.7
72 TO 76	5.1	1.3	1.3	10.0	17.5	36.3	25.0	3.8		80	3.3
67 TO 71	8.1	7.5	3.1	18.8	12.5	26.3	12.5	9.4	1.9	160	6.7
62 TO 66	6.4	4.3	4.6	12.9	26.1	22.1	9.3	11.4	2.9	280	11.7
57 TO 61	9.6	8.2	5.3	14.2	21.6	11.8	10.7	13.3	5.3	450	18.8
52 TO 56	14.9	9.3	7.5	9.3	19.7	5.6	7.9	16.8	8.9	517	21.6
47 TO 51	16.0	7.8	8.0	11.8	12.4	4.7	9.3	21.7	8.4	451	18.8
42 TO 46	17.4	7.5	7.9	4.3	11.9	4.3	10.7	28.1	7.9	253	10.5
37 TO 41	30.2	3.1	1.0	1.0	2.1	3.1	5.2	34.4	19.8	96	4.0
32 TO 36	24.3			2.7		2.7		51.4	18.9	37	1.5
27 TO 31	40.0							60.0		5	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	7.0	5.8	10.8	16.5	11.4	10.5	18.0	6.9	2399	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	MAY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							33.3	66.7		3	.1
82 TO 86		2.2		13.0	17.4	32.6	19.6	13.0	2.2	46	1.9
77 TO 81	7.1	8.4	3.2	20.6	19.4	13.5	18.1	9.0	.6	155	6.3
72 TO 76	6.6	10.4	2.4	13.8	26.6	19.7	8.7	9.0	2.8	289	11.7
67 TO 71	8.8	8.4	3.8	17.0	24.3	15.1	8.4	7.3	6.9	477	19.2
62 TO 66	10.6	9.5	8.8	14.9	22.2	8.6	8.5	9.3	7.6	603	24.3
57 TO 61	15.2	10.9	10.5	11.2	17.9	8.7	6.7	10.7	8.3	448	18.1
52 TO 56	17.1	9.7	8.4	8.7	11.4	7.0	8.1	18.5	11.1	299	12.0
47 TO 51	22.0	7.6	11.4	4.5	5.3	7.6	9.8	18.2	13.6	132	5.3
42 TO 46	25.0	3.6				3.6	10.7	39.3	17.9	28	1.1
37 TO 41	100.0									1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.8	9.3	6.9	13.3	19.6	11.6	9.0	11.2	7.3	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

18721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	JUNE	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		8.3		8.3	8.3	33.3	33.3	8.3		12	.5
87 TO 91	4.5			6.8	18.2	31.8	34.1	4.5		44	1.8
82 TO 86	7.6	3.8	1.4	16.6	20.9	19.4	20.4	7.1	2.8	211	8.8
77 TO 81	6.5	5.8	4.7	18.4	27.4	12.1	12.4	10.1	2.5	445	18.5
72 TO 76	7.8	6.2	5.7	10.8	23.3	21.6	10.6	9.0	4.9	630	26.3
67 TO 71	9.4	7.8	7.5	7.6	23.1	14.8	9.5	12.7	7.6	576	24.0
62 TO 66	13.0	13.6	9.9	6.8	14.6	10.2	8.4	12.7	10.8	323	13.5
57 TO 61	19.7	11.0	5.5	4.7	6.3	7.1	10.2	20.5	15.0	127	5.3
52 TO 56	18.8	21.9	15.6				12.5	15.6	15.6	32	1.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	7.7	6.1	10.9	21.3	15.7	11.8	11.0	6.3	2400	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JULY (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				20.0	40.0		40.0			5	.2
92 TO 96	5.7	2.9	2.9	11.4	14.3	11.4	40.0	8.6	2.9	35	1.4
87 TO 91	9.6	3.6	4.8	16.8	18.6	12.6	16.8	15.6	1.8	167	6.7
82 TO 86	8.7	9.2	3.4	18.6	22.9	15.2	10.1	8.4	3.6	415	16.7
77 TO 81	7.1	8.6	4.4	12.9	20.4	19.0	10.7	10.4	6.5	675	27.2
72 TO 76	9.2	8.2	5.9	7.1	16.6	15.1	14.9	10.6	12.4	743	30.0
67 TO 71	10.7	9.3	7.0	4.6	10.7	15.7	13.3	13.9	15.1	345	13.9
62 TO 66	12.5	10.2	4.5	1.1	4.5	13.6	14.8	18.2	20.5	88	3.5
57 TO 61	16.7					16.7	33.3	16.7	16.7	6	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	8.2	5.0	10.8	17.5	15.9	13.3	11.2	9.1	2479	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) AUGUST (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			1	.0
92 TO 96	6.5			6.5	9.7	16.1	32.3	29.0		31	1.3
87 TO 91	5.9	3.3	4.6	17.6	19.0	15.7	16.3	16.3	1.3	153	6.2
82 TO 86	8.0	10.2	6.7	16.7	21.6	14.7	13.2	6.5	2.5	402	16.2
77 TO 81	9.4	6.6	7.3	11.3	19.0	20.6	11.5	8.4	5.8	617	24.9
72 TO 76	8.8	6.9	6.9	6.9	15.8	19.6	12.4	10.4	12.3	797	32.1
67 TO 71	16.0	11.5	16.6	1.1	10.1	9.6	11.0	9.8	14.3	356	14.4
62 TO 66	20.2	15.2	11.1	1.0	8.1	8.1	7.1	12.1	17.2	99	4.0
57 TO 61	40.9	4.5	4.5		4.5	4.5	4.5	13.6	22.7	22	.9
52 TO 56				50.0	50.0					2	.1
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.4	8.0	8.3	9.2	16.5	16.7	12.3	9.9	8.8	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) SEPTEMBER (MONTH) ALL (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					66.7			33.3		3	.1
87 TO 91	8.6	2.9	2.9	14.3	22.9	20.0	22.9	5.7		35	1.5
82 TO 86	6.1	5.3	4.5	15.9	29.5	13.6	18.2	6.8		132	5.5
77 TO 81	7.2	9.0	5.1	18.8	22.1	18.2	9.3	7.8	2.7	335	14.0
72 TO 76	8.5	7.3	8.3	13.2	22.4	16.5	9.4	8.2	6.1	575	24.0
67 TO 71	10.0	13.2	15.8	8.2	11.3	10.4	9.0	10.8	11.4	613	25.5
62 TO 66	13.4	19.1	16.9	3.1	6.4	5.9	7.5	12.9	14.9	456	19.0
57 TO 61	13.8	14.3	7.4	2.1	3.2	10.1	11.1	21.7	16.4	189	7.9
52 TO 56	17.5	10.5	5.3		1.8	7.0	12.3	22.8	22.8	57	2.4
47 TO 51		60.0					40.0			5	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.1	11.8	11.0	9.7	14.9	12.3	9.8	11.0	9.4	2400	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	OCTOBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	6.7				6.7	53.3	26.7	6.7		15	.6
77 TO 81	9.5	2.4		9.5	26.2	28.6	16.7	4.8	2.4	42	1.7
72 TO 76	8.5	.8	5.4	11.5	27.7	19.2	17.7	6.9	2.3	130	5.2
67 TO 71	10.4	8.9	8.6	14.1	18.2	14.9	11.9	7.4	5.6	269	10.8
62 TO 66	12.0	10.1	8.1	9.3	16.1	12.2	12.8	11.6	7.9	484	19.5
57 TO 61	16.9	13.1	7.8	7.0	12.5	11.9	7.2	16.3	7.2	497	20.0
52 TO 56	19.8	12.9	8.8	1.8	8.1	9.6	9.4	20.8	9.8	457	18.4
47 TO 51	20.2	12.6	10.1	1.4	5.3	8.1	11.8	17.1	13.4	357	14.4
42 TO 46	23.3	3.8	6.9		.6	11.3	16.4	23.3	14.5	159	6.4
37 TO 41	27.9	9.8			1.6	13.1	24.6	8.2	14.8	61	2.5
32 TO 36	33.3					22.2		22.2	22.2	9	.4
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.2	10.3	7.9	6.0	11.9	12.3	11.7	14.9	8.9	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOUR (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					7.1	42.9	42.9	7.1		14	.6
72 TO 76	4.2	4.2		12.5	20.8	16.7	25.0	16.7		24	1.0
67 TO 71	1.0	4.9	5.8	7.8	26.2	32.0	17.5	4.9		103	4.3
62 TO 66	5.1	7.5	7.9	18.7	23.4	14.0	13.1	5.1	5.1	214	8.9
57 TO 61	9.5	7.4	4.6	11.6	18.2	20.0	10.9	10.5	7.4	285	11.9
52 TO 56	17.7	8.2	6.3	9.8	11.1	10.9	13.6	11.7	10.9	368	15.3
47 TO 51	24.5	12.1	4.9	4.1	9.7	9.9	10.9	15.8	8.0	486	20.3
42 TO 46	26.4	12.4	2.6	1.7	5.9	8.1	16.4	18.3	8.3	421	17.5
37 TO 41	25.9	7.5	6.1	1.0	4.1	7.5	13.0	24.9	9.9	293	12.2
32 TO 36	25.0	3.4	6.8		1.4	6.8	15.5	27.7	13.5	148	6.2
27 TO 31	16.2					2.7	27.0	27.0	27.0	37	1.5
22 TO 26	57.1						42.9			7	.3
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.1	8.8	5.1	6.3	10.9	11.9	14.0	15.5	8.5	2400	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	DECEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						50.0	50.0			4	.2
67 TO 71	3.9				11.5	61.5	23.1			26	1.0
62 TO 66	1.9	1.9		1.9	18.5	40.7	33.3		1.9	54	2.2
57 TO 61	2.4	3.5	1.2	1.2	21.2	38.8	22.4	5.9	3.5	85	3.4
52 TO 56	7.1	3.1	4.6	6.1	25.0	28.1	11.7	8.7	5.6	196	7.9
47 TO 51	13.4	8.1	4.9	9.5	12.4	13.8	12.0	16.6	9.2	283	11.4
42 TO 46	16.6	10.1	9.0	8.6	9.9	9.7	9.2	15.5	11.4	465	18.8
37 TO 41	20.7	13.7	7.5	4.5	8.0	8.0	9.9	18.6	9.2	576	23.2
32 TO 36	22.5	11.5	5.2	1.8	10.5	11.0	9.9	19.1	8.4	382	15.4
27 TO 31	25.4	5.8	5.8	2.9	6.3	7.9	6.7	23.8	13.3	240	9.7
22 TO 26	28.0	1.7	5.9	.8	3.4	4.2	14.4	23.7	17.8	119	4.8
17 TO 21	42.1	2.6	2.6		5.3	2.6	10.5	13.2	21.1	38	1.5
12 TO 16	70.0	10.0						10.0	10.0	10	.4
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.4	8.9	6.1	4.9	11.0	13.1	11.2	16.6	9.8	2479	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721	PATUXENT RIVER, MARYLAND	JANUARY 1973-DECEMBER 1982	ALL	ALL
STATION	STATION NAME	YEARS	MONTH	HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				16.7	33.3		50.0			6	.0
92 TO 96	4.9	2.5	1.2	8.6	13.6	16.0	34.6	17.3	1.2	81	.3
87 TO 91	7.4	3.0	4.0	15.6	18.8	16.5	19.5	14.1	1.2	405	1.4
82 TO 86	7.5	7.6	4.0	16.8	22.0	16.9	14.8	7.8	2.6	1248	4.3
77 TO 81	7.4	7.3	5.3	14.6	21.2	18.6	12.2	9.3	4.4	2339	8.0
72 TO 76	8.2	7.3	6.0	9.6	20.0	19.1	12.7	9.3	8.1	3304	11.3
67 TO 71	9.8	9.3	9.2	9.2	16.7	15.6	10.9	10.0	9.0	2987	10.2
62 TO 66	10.6	10.7	9.1	9.4	16.6	13.1	10.8	10.7	8.8	2747	9.4
57 TO 61	12.7	9.5	6.4	9.3	16.2	14.4	10.6	13.3	7.6	2398	8.2
52 TO 56	14.5	9.3	7.0	8.4	15.0	11.8	10.3	15.1	8.5	2466	8.4
47 TO 51	17.3	9.4	6.6	9.1	13.3	8.6	10.8	16.1	8.7	2542	8.7
42 TO 46	18.6	10.3	6.9	7.7	11.4	7.6	10.5	18.1	9.2	2378	8.1
37 TO 41	21.5	10.2	6.9	5.6	7.9	7.7	10.0	19.8	10.5	2196	7.5
32 TO 36	22.9	10.5	6.6	4.2	7.3	6.8	8.4	22.7	10.6	1748	6.0
27 TO 31	25.7	7.8	6.8	3.7	8.3	4.5	8.3	21.9	13.1	1198	4.1
22 TO 26	30.3	8.2	3.8	2.1	5.0	4.5	8.9	25.9	11.2	706	2.4
17 TO 21	31.5	8.1	2.4	2.4	4.5	2.1	11.9	26.9	10.1	286	1.0
12 TO 16	46.7	2.5	1.6		.8	5.7	8.2	23.8	10.7	122	.4
7 TO 11	23.4	8.5	2.1		4.3	2.1	21.3	31.9	6.4	47	.2
2 TO 6	18.2	9.1					27.3	36.4	9.1	11	.0
-3 TO 1	16.7						16.7	66.7		6	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.6	8.9	6.7	8.8	14.7	12.4	11.1	14.4	8.4	29210	100.0

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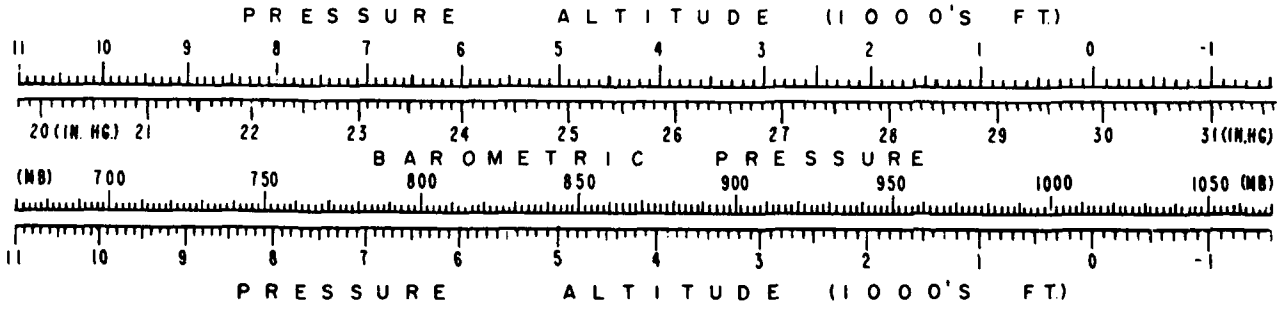
PART F PRESSURE SUMMARY

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 to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

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



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2

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-92 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1018.2	1018.7	1017.0	1016.1	1014.7	1015.5	1015.8	1017.4	1017.6	1018.8	1019.2	1018.9	1017.3
	S. D.	9.349	9.195	8.262	7.553	5.273	5.399	4.332	3.720	4.808	6.727	7.386	9.143	7.155
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	1018.2	1018.4	1016.6	1015.9	1014.5	1015.2	1015.6	1017.1	1017.3	1018.6	1019.1	1019.0	1017.1
	S. D.	9.418	9.143	8.275	7.859	5.373	5.472	4.372	3.792	4.855	6.839	7.488	9.109	7.230
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	1018.9	1019.4	1017.7	1017.1	1015.7	1016.2	1016.6	1018.1	1018.3	1019.4	1019.9	1019.6	1018.1
	S. D.	9.448	9.161	8.527	8.274	5.419	5.551	4.391	3.892	4.955	7.042	7.527	9.285	7.330
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1019.9	1020.1	1018.0	1017.1	1015.9	1016.4	1016.9	1018.4	1018.8	1019.9	1020.6	1020.5	1018.5
	S. D.	9.603	9.255	9.101	8.527	5.506	5.657	4.430	3.925	5.031	7.368	7.604	9.314	7.538
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1017.8	1018.6	1016.6	1015.9	1015.0	1015.7	1016.2	1017.7	1017.8	1018.5	1018.8	1018.6	1017.3
	S. D.	9.617	9.263	9.193	8.322	5.510	5.698	4.490	3.879	5.043	7.384	7.578	9.221	7.459
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1017.3	1017.5	1015.2	1014.6	1013.9	1014.7	1015.1	1016.6	1016.6	1017.7	1018.2	1018.2	1016.3
	S. D.	9.577	9.124	8.896	7.965	5.417	5.661	4.550	3.863	4.988	7.232	7.460	9.020	7.364
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	1018.3	1018.4	1016.0	1015.1	1014.1	1014.9	1015.2	1016.8	1017.0	1018.5	1019.1	1018.9	1016.8
	S. D.	9.436	9.064	8.563	7.663	5.212	5.419	4.391	3.662	4.861	7.045	7.198	9.065	7.252
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	1018.6	1018.8	1016.8	1016.1	1014.9	1015.7	1016.0	1017.6	1017.7	1019.1	1019.5	1019.1	1017.5
	S. D.	9.359	9.033	8.288	7.488	5.178	5.350	4.352	3.597	4.807	6.902	7.173	9.198	7.136
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	1018.4	1018.7	1016.7	1016.0	1014.8	1015.5	1015.9	1017.5	1017.6	1018.8	1019.3	1019.1	1017.4
	S. D.	9.490	9.168	8.673	7.993	5.396	5.547	4.447	3.834	4.956	7.089	7.447	9.180	7.337
	TOTAL OBS	2478	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29212

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	30.022	30.037	29.987	29.963	29.920	29.942	29.951	29.997	30.005	30.040	30.053	30.042	29.996
	S. D.	.277	.272	.244	.224	.156	.159	.128	.110	.141	.199	.218	.271	.212
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	30.022	30.030	29.974	29.954	29.914	29.934	29.945	29.990	29.996	30.034	30.049	30.044	29.990
	S. D.	.278	.271	.244	.233	.159	.161	.129	.112	.144	.202	.221	.269	.214
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	30.042	30.057	30.007	29.988	29.948	29.963	29.976	30.019	30.027	30.059	30.073	30.064	30.018
	S. D.	.279	.271	.252	.244	.160	.164	.130	.115	.146	.209	.222	.274	.217
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	30.071	30.078	30.017	29.990	29.954	29.968	29.983	30.029	30.039	30.073	30.091	30.091	30.032
	S. D.	.284	.274	.268	.252	.162	.167	.131	.116	.149	.218	.225	.275	.223
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	30.010	30.034	29.975	29.954	29.928	29.950	29.965	30.008	30.009	30.031	30.040	30.035	29.995
	S. D.	.284	.274	.272	.246	.163	.168	.133	.115	.149	.218	.224	.273	.221
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.996	30.002	29.935	29.917	29.894	29.919	29.932	29.975	29.975	30.008	30.012	30.022	29.965
	S. D.	.283	.270	.263	.236	.160	.166	.135	.114	.147	.214	.293	.266	.224
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	30.025	30.028	29.957	29.931	29.900	29.924	29.935	29.981	29.986	30.032	30.050	30.044	29.982
	S. D.	.279	.268	.252	.227	.154	.160	.130	.108	.144	.209	.213	.268	.214
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	30.034	30.041	29.982	29.961	29.925	29.949	29.957	30.004	30.007	30.049	30.059	30.048	30.001
	S. D.	.277	.267	.244	.222	.153	.158	.129	.106	.142	.204	.212	.272	.211
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.028	30.039	29.979	29.957	29.923	29.944	29.955	30.001	30.006	30.041	30.054	30.049	29.998
	S. D.	.281	.271	.256	.237	.159	.164	.132	.113	.146	.210	.231	.271	.218
	TOTAL OBS	2478	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29212

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