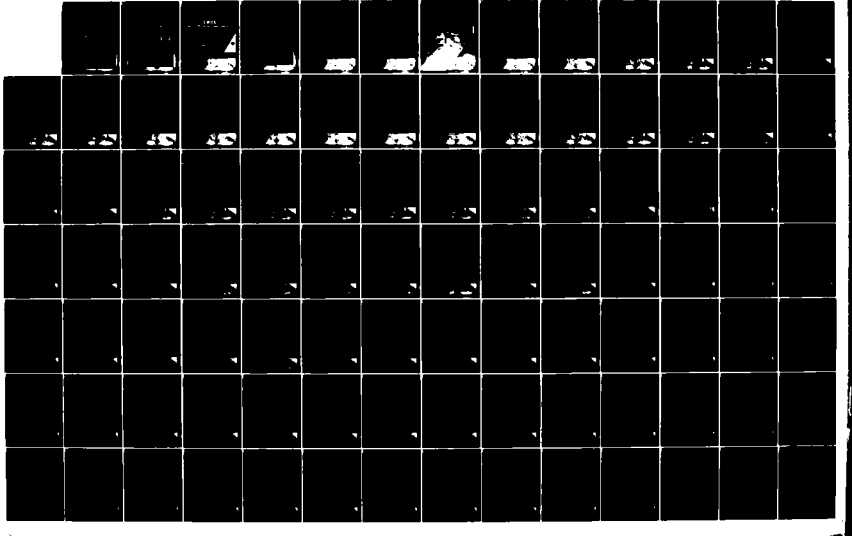
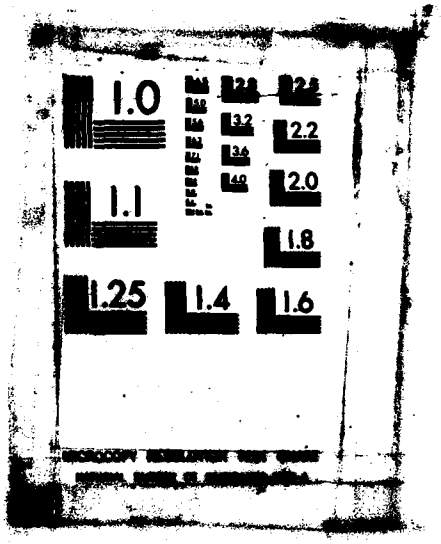
AD A150 445 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
QUANTICO VIRGINIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

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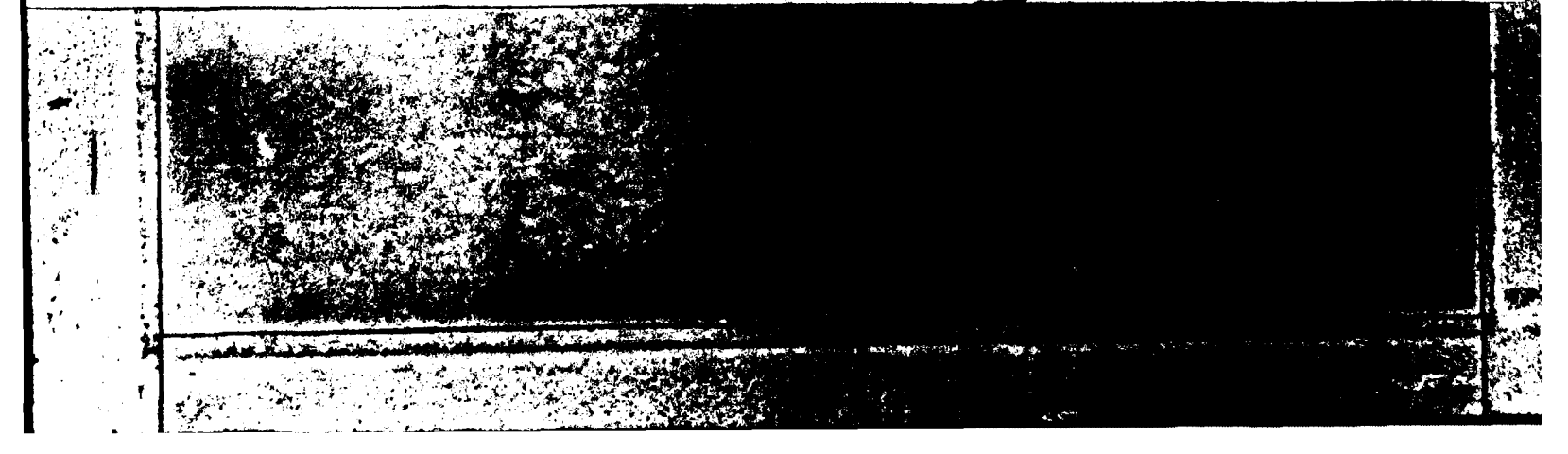
STATION: #13773 Quantico, VA

PERIOD: HOURLY 1/69-9/78
DAILY 2/45-12/82

JOB NO. 72006 DATE September 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

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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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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.

STATION NO. ON SUMMARY:	STATION NAME	LATITUDE:	LONGITUDE:	STATION ELEV. (FT.)	CALL SIGN:	WMO NUMBER
13773	Quantico, Virginia	38°30'N	77°18'W	11	KNYG	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather office, southeast corner hangar #2105	MCAS	1948	1969	38°30'N	77°18'W	14		

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.	Installed	Atop control tower	UMQ-5		59.6'	1. Barometer, aneroid 2. Barograph (ML-3) 3. Semi-auto met sta (AN/GMQ-14) 4. Cloud height set (AN/GMQ-13B) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10C)
2.	1958	500' west of runway 02/20	"	RD-108	14.0'	

NOCD, Federal Building
Asheville, N. C.

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.

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.

PART A ATMOSPHERIC PHENOMENA

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

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

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

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

17773	QUANTICO, VA	45-76, 78	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	39.8	3.0	18.1		46.8	42.9	31.3	1.9		57.3	900
FEB		1.1	42.3	4.3	18.5	.6	47.4	39.8	32.9	1.1		54.7	836
MAR		4.1	51.8	.7	10.1	.2	51.6	40.1	32.3	.3		55.2	902
APR		7.5	53.9	.1	1.1	.4	48.5	33.4	25.9		.1	43.9	909
MAY		16.0	55.4			.3	49.9	43.5	38.8			59.5	919
JUN		20.2	50.0			.3	48.4	42.7	48.7		.1	61.0	885
JUL		25.4	54.1			.5	48.9	45.5	56.9		.1	66.3	886
AUG		19.0	45.1				41.1	53.4	63.5			74.2	925
SEP		9.3	40.7				36.6	50.4	50.1			65.8	889
OCT		2.6	35.6		.2	.1	32.7	51.2	43.8		.1	63.2	957
NOV		1.4	42.8	.2	5.1	.1	39.4	41.7	36.6	.2		55.4	909
DEC		.3	40.6	2.3	14.2	.2	43.5	41.8	35.0	.6		56.5	929
TOTALS		9.0	46.0	.9	8.6	.2	44.2	43.9	41.3	.3	.0	59.1	10646

WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		12.1		2.0		13.7	21.8	2.4	.8		24.2	248
	04		7.7	.4	2.0		10.1	23.0	2.0	.4		24.6	248
	07		11.6	.4	1.5		13.4	28.0	1.5			29.1	268
	10		10.7	1.0	3.8		14.9	20.1	7.3			26.3	269
	13		7.6	1.0	5.5		13.6	13.5	4.2			17.6	289
	16		7.6	.4	3.3		10.2	11.6	3.3			14.5	275
	19		10.3	.4	1.6		12.3	16.2	1.6			17.4	253
	22		8.5		1.2		9.7	18.1	1.6			19.8	243
TOTALS			9.6	.5	2.6		12.3	19.0	3.0	.2		21.7	2119

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WEATHER CONDITIONS

17273	QUANTICO, VA	69-78	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		9.7	.9	1.3		11.5	13.0	1.5			15.9	224
	04		9.3	.4	2.7		12.4	22.6	2.2			24.3	226
	07		9.6	.4	3.1		13.1	21.8	4.4			25.3	229
	10		8.4	.9	3.4		12.6	14.9	7.3			22.1	262
	13		9.1	.4	3.4		12.9	12.5	6.1	.4		18.9	264
	16	.4	10.2		2.8		13.0	12.6	3.3			15.9	248
	19		12.1		3.0		15.2	16.9	4.8			21.2	231
	22		10.2		3.5		12.8	16.4	2.7			18.6	226
TOTALS		.1	9.8	.4	2.9		12.9	17.1	4.1	.1		20.8	1917

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WEATHER CONDITIONS

17273	QUANTICO, VA	69-78	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		11.8		1.2		13.0	17.1	2.8			18.7	246
	04		11.7		1.2		12.5	19.8	2.4			21.4	248
	07	.4	13.2		1.2		14.4	25.2	4.8			25.8	250
	10	.3	10.7		3.1		13.4	17.2	7.2			24.1	291
	13	.7	11.3	.3	2.4		13.4	14.7	5.1			19.9	292
	16		9.2	.4	1.8		11.1	10.3	3.3			13.3	271
	19	.4	9.6		.8		10.0	10.4	4.0			14.3	251
	22		9.7		.8		10.5	14.9	3.6			18.1	248
TOTALS		.2	10.9	.1	1.6		12.3	16.2	4.2			19.8	2097

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WEATHER CONDITIONS

13773	QUANTICO, VA	49-78	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	.4	10.1				10.1	11.3	2.1			13.4	238
	04	.4	7.1				7.1	16.7	2.5			18.8	239
	07	.4	8.1				8.1	17.0	6.5			22.7	247
	10	.4	8.7		.4		9.1	10.9	4.3			15.2	276
	13	.7	8.2		.4		8.2	4.3	4.3			8.6	279
	16	.4	6.6				6.6	4.2	3.1			6.9	259
	19	1.2	5.0	.4			5.4	5.0	2.9			7.9	241
	22		7.1		.4		7.1	7.6	2.1			9.7	238
TOTALS		.5	7.6	.1	.2		7.7	9.6	3.5			12.9	2917

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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	1.3	11.7				11.7	28.7	10.8			32.0	231
	04		11.0				11.0	35.8	10.2			42.3	246
	07		10.0				10.0	26.8	15.7			39.1	241
	10		10.7				10.7	13.4	18.6			30.3	290
	13		7.3				7.3	7.3	14.2			21.2	268
	16	2.4	11.9				11.9	5.9	13.4			19.4	253
	19	2.1	9.3				9.3	8.0	12.2			19.8	237
	22	3.0	12.6				12.6	19.0	10.8			27.7	231
TOTALS		1.1	10.6				10.4	17.9	13.2			29.0	2057

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WEATHER CONDITIONS

13773	QUANTICO, VA	69-78	JUN
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.
JUN	01	1.4	6.2				6.2	32.4	18.6			44.3	210
	04	.8	5.9				5.9	38.5	18.4			48.1	239
	07		5.0				5.0	31.3	28.5			50.9	241
	10		2.6				2.8	6.7	34.8			38.7	252
	13	1.4	5.6				5.6	4.6	29.9			33.5	284
	16	2.4	4.9				4.9	4.0	25.1			28.7	247
	19	3.1	6.6				6.6	8.0	23.0			30.1	226
	22	7.1	9.0				9.0	25.0	22.2			41.0	212
TOTALS		2.0	5.6				5.8	18.8	25.1			39.4	1981

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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	1.4	6.4				6.4	35.3	30.7			59.6	218
	04	.8	4.1				4.1	48.2	32.2			68.2	245
	07	.7	4.3				4.3	32.6	35.6			56.7	242
	10	.3	3.5				3.5	6.3	43.7			47.9	286
	13	1.4	4.2				4.2	3.2	40.7			43.5	285
	16	4.4	7.2				7.2	2.0	38.6			40.6	249
	19	5.2	9.5				9.5	5.6	33.3			38.5	231
	22	2.7	8.6				8.6	24.8	34.7			54.5	222
TOTALS		2.1	6.0				6.0	19.8	36.2			51.2	2018

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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	1.8	6.0				6.0	46.5	30.4			64.5	217
	04		4.5				4.5	54.3	29.6			68.8	247
	07		3.1				3.1	42.9	32.8			63.4	287
	10		3.8				3.8	10.3	45.2			52.7	292
	13		3.1				3.1	2.4	43.7			45.7	293
	16	2.4	4.3				4.3	3.5	35.4			38.2	254
	19	5.1	8.9				8.9	6.8	36.7			42.6	237
	22	2.7	8.1				8.1	30.3	38.4			54.3	221
TOTALS		1.5	5.2				5.2	24.6	36.8			53.8	2048

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	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	.5	4.3				4.3	37.1	25.7			53.3	210
	04	1.0	7.6				7.6	42.4	23.8			55.7	210
	07	.4	7.2				7.2	37.8	23.0			50.7	278
	10	.4	7.2				7.2	11.1	30.5			39.1	279
	13		5.4				5.4	3.9	25.1			28.7	279
	16	2.5	5.1				5.1	4.6	19.8			24.5	237
	19	2.3	5.5				5.5	10.9	21.8			31.4	220
	22	1.0	4.8				4.8	25.2	24.3			41.9	210
TOTALS		1.8	5.9				5.9	21.4	24.3			40.7	1923

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WEATHER CONDITIONS

13773 QUANTICO, VA 69-77 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	.5	9.2				9.2	36.9	12.4			43.3	217
	04		8.8				8.8	42.3	8.4			46.4	239
	07		10.5				10.5	42.0	10.9			45.9	257
	10	.4	8.5		.4		8.5	21.2	17.8			35.9	259
	13	.8	6.5				6.5	9.2	15.0			21.9	260
	16		3.4				3.4	6.8	11.0			16.5	237
	19		5.8				5.8	12.8	12.9			21.0	224
	22		9.2				9.2	24.9	12.0			31.8	217
TOTALS		.2	7.7		.1		7.7	24.8	12.6			32.8	1910

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-77 (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		8.2				8.2	18.7	3.8			21.2	208
	04		8.7		.5		9.1	28.8	3.8			31.2	208
	07		7.8		.9		8.2	32.5	4.3			35.1	231
	10		10.1		.8		10.9	18.6	11.7			28.3	247
	13	.4	10.4		.8		11.2	9.6	9.2			18.9	240
	16	.9	7.8		.4		7.8	5.2	6.0			11.2	232
	19	.5	6.6				6.6	10.4	4.7			13.3	211
	22		7.7				7.7	18.7	5.8			21.6	208
TOTALS		.2	8.4		.4		8.7	17.8	6.2			22.6	1794

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-77 (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		9.2		1.8		10.6	24.0	2.8	.5		25.8	217
	04		11.1		2.8		12.9	25.3	1.8			26.3	217
	07		12.7		2.1		14.3	25.7	3.8			28.7	237
	10		12.0		1.9		13.5	19.3	6.6			25.5	259
	13		10.5		2.7		13.2	17.1	3.9	.4		20.9	258
	16		13.7		1.7		15.4	17.8	3.7	.4		21.2	241
	19		14.3		1.8		16.1	18.6	2.2	.4		21.1	223
	22		10.1		1.8		12.0	21.2	2.8	.9		24.0	217
TOTALS			11.7		2.1		13.5	21.2	3.6	.3		24.2	1869

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WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (YEARS) ALL (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	.5	2.6		12.3	19.0	3.0	2		21.7	2118
FEB		.1	9.8	.4	2.9		12.9	17.1	4.1	.1		20.8	1910
MAR		.2	10.9	.1	1.6		12.3	16.2	4.2			19.8	2097
APR		.5	7.6	.1	.2		7.7	9.6	3.5			12.9	2017
MAY		1.1	10.6				10.6	17.9	13.2			29.0	2057
JUN		2.0	5.6				5.8	18.8	25.1			39.4	1981
JUL		2.1	6.0				6.0	19.8	36.2			51.2	2018
AUG		1.5	5.2				5.2	24.6	36.0			53.8	2044
SEP		1.0	5.9				5.9	21.6	29.3			40.7	1923
OCT		.2	7.7		.1		7.7	24.5	12.6			32.8	1910
NOV		.2	8.4		.4		8.7	17.8	6.2			22.6	1794
DEC			11.7		2.1		13.5	21.2	3.5	.3		24.2	1869
TOTALS		.7	8.3	.1	.8		9.0	19.0	14.3	.0		30.7	23742

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) JANUARY (MONTH) 8 (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	15.2		3.4	.7	1.4	8.8			19.6	6.1	2.0	.7		66.2
NNE	12.2		2.0	4.1		6.1			24.5	2.0	6.1			65.3
NE	9.7				6.5	6.5			16.1	3.2	9.7			64.5
ENE	11.1					3.7			18.5	3.7	11.1			70.4
E	5.9		2.9	2.9					8.8	2.9	5.9			73.5
ESE	4.0		4.0	4.0					20.0	8.0	8.0			64.0
SE	6.5	2.2				2.2			6.5	6.5	6.5			76.1
SSE	4.2				2.8	4.2			4.2	2.8	5.6			80.3
S	10.9		1.1	1.1	1.1	2.3			12.1	5.2	5.2			69.0
SSW	3.8			1.3	1.3	1.3			10.1	2.5	2.5			81.0
SW	7.1		2.4						9.5					90.5
WSW	2.4					2.4			4.8		2.4			90.5
W	.8		1.6						3.3	7.4		.8		87.7
WNW	3.4	1.1	1.1			1.1			5.7	.6	1.7			89.7
NW	5.3					1.6			7.4	6.3	2.6			80.5
NNW	4.4	.5	1.9			2.4			8.3	4.4	2.4	.5		84.0
VARIABLE														
CALM	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	134	4	30	10	10	47			210	127	65	3		1401
% TOTAL	7.2	.2	1.6	.5	.5	2.5			11.2	6.8	3.5	.2		75.0

TOTAL NUMBER OF OBSERVATIONS 1,869

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1 773	QUANTICO, VA	JANUARY 1969-SEPTEMBER 197	FEBRUARY	8
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	8.8		2.4	.6	1.6	5.6			15.2	4.0	9.6			67.2
NNE	18.9	1.9	11.3	1.9		13.2			34.0	3.8	5.7			43.4
NE	8.6		15.5	5.2	3.4	3.4			19.0	12.1	6.9			53.4
ENE	15.9	2.3	6.8			4.5			22.7	9.1	6.8			54.5
E	14.3		2.9		2.9	2.9			17.1	2.9	2.9			71.4
ESE	3.7					3.7			7.4	3.7	7.4			81.5
SE	6.7								6.7	3.3	3.3			83.3
SSE	6.1		1.5			3.0			13.6		3.0			80.3
S	5.4	2.4							5.5	7.1	4.2			78.0
SSW	2.2	1.1	1.1					1.1	8.6	1.1	2.2			87.1
SW	5.0	2.5	2.5						12.5	2.5	2.5			80.0
WSW	3.0								6.1	3.0				87.9
W	4.5		1.3						8.1	.9	.9			88.3
WNW	4.5		.6			.6			5.8	4.5	4.5	.6		83.1
NW	2.4	1.0	1.0	.5		2.9			7.3	6.8	1.5			83.4
NNW	5.1		1.1	.6		2.8			10.2	4.5	1.7			80.2
VARIABLE														
CALM	4.9	.8	4.2		.4	.8			12.0	4.6	4.6			68.7
TOTAL	103	12	43	7	6	36		1	198	83	69	1		1277
% TOTAL	8.1	.7	2.6	.4	.4	2.1		.1	11.8	4.9	4.1	.1		76.1

TOTAL NUMBER OF OBSERVATIONS 1,67

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197[illegible] (YEARS) MARCH (MONTH)

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	13.[illegible]	1.7	1.7	.9		9.4			23.9	5.1	2.6			65.[illegible]
NNE	14.[illegible]	1.5	16.4	1.5	1.5	4.5			41.8	4.5	7.5			40.[illegible]
NE	11.[illegible]	3.4	18.2			5.7			37.5	9.1	12.5			37.5
ENE	11.[illegible]	3.3	8.2			3.3			31.1	4.9	4.9			52.[illegible]
E	12.[illegible]		12.5						30.0	5.0	2.5			65.[illegible]
ESE	17.[illegible]		7.9			1.[illegible]			23.8	6.3	3.2			61.9
SE	2.4		3.6						6.0	3.6	2.4			85.5
SSE	7.3	2.1	3.1		1.0	2.1		1.0	12.5	5.2	5.2			71.9
S	5.6	.5	.5			1.[illegible]			[illegible].6	3.6	5.6			81.1
SSW	6.3										2.1			91.7
SW	5.6									2.[illegible]	2.8			91.7
WSW	2.[illegible]	2.5	2.5							2.5	5.0			92.5
W	[illegible].2	3.2				1.1		1.1	1.1	4.3				90.4
WNW	1.[illegible]	.6	.6						2.6	3.2	.6			92.2
NW	[illegible].[illegible]	1.4	1.4						5.8	3.8	1.9			86.5
NNW	[illegible].6	2.3	2.3			2.3		.5	9.4	3.3	3.8			80.8
VARIABLE														
CALM	[illegible].[illegible]	[illegible].4	[illegible].[illegible]						15.9	[illegible].6	[illegible].7			67.6
TOTAL	11[illegible]	30	69	2	2	32		3	237	90	74			1395
% TOTAL	[illegible].2	1.6	3.7	.1	.1	1.7		.2	12.8	4.9	4.0			75.4

TOTAL NUMBER OF OBSERVATIONS 1,849

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) APRIL (MONTH) 8 (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	[illegible].5	1.1	2.2					1.1	14.3					[illegible].[illegible]
NNE	14.[illegible]	2.1	4.2						10.7	8.3	2.1			66.7
NE	13.3	5.3	3.5					1.9	22.8	5.3	5.3			64.9
ENE	8.9								8.9	5.4	7.1			76.8
E	5.6		2.8						11.1	2.[illegible]				83.3
ESE	8.7	6.7							11.1		2.2			70.0
SE	9.1	2.6	2.6			1.3			10.4	3.9	9.1			71.4
SSE	3.1		1.0						4.1	2.0	9.2			82.7
S	2.7	4.5	1.8					.5	3.6	4.5	4.1			83.3
SSW	2.4	6.1							6.1	1.2				86.6
SW									2.4					97.6
WSW	6.[illegible]	9.1	2.3							2.3				79.5
W	[illegible]	2.0						3.0	2.0	2.0				91.0
WNW	1.1	.6	.6			.6		.6	1.7	1.7	2.3			92.5
NW	2.0	1.2	.8						2.8	2.4	2.0			91.6
NNW	4.2	4.2	1.8			.8			7.2	1.2	.6			86.1
VARIABLE														
CALM	[illegible]	1.1	1.1						6.5	5.[illegible]	7.6			70.4
TOTAL	70	48	23			3		7	111	52	58			1499
% TOTAL	3.9	2.5	1.3			.2		.4	6.2	2.9	3.3			84.4

TOTAL NUMBER OF OBSERVATIONS 1,777

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) MAY (MONTH) 8 (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[illegible]	2.2	3.3					1.1	15.2	7.6	13.0			60.9
NNE	2[illegible].3	7.0	4.7						23.3	7.0	18.6			46.5
NE	11.[illegible]	1.4	1.4					2.9	17.1	8.6	10.0			62.9
ENE	14.5	1.8	9.1						21.8	12.7	20.0			45.5
E	10.[illegible]	10.8	1.5					3.1	13.8	10.8	21.5			46.2
ESE	9.8	3.3							13.1	3.3	13.1			67.2
SE	8.2	2.7	.9					.9	8.2	8.2	20.0			60.9
SSE	4.4	3.8						1.3	5.7	7.0	15.8			71.5
S	4.3	1.2							4.7	4.3	17.5			72.0
SSW	8.[illegible]	5.0						2.0	2.0	9.0	8.0			77.0
SW	3.3									3.3	6.7			86.7
WSW	3.[illegible]									17.9	14.3			67.9
W	7.4	9.2						4.6	2.3	17.2	11.5			63.2
WNW	[illegible]	4.1						2.1	1.4	15.1	13.7			71.2
NW	2.[illegible]								5.0	12.7	6.1			76.8
NNW	3.[illegible]	2.6	.9					1.8	3.5	7.0	7.0			78.9
VARIABLE														
CALM	2.[illegible]	2.[illegible]	.5					.5	4.[illegible]	15.[illegible]	15.[illegible]			67.[illegible]
TOTAL	1[illegible]	56	15					20	123	178	247			1233
% TOTAL	5.[illegible]	3.1	.8					1.1	6.8	9.8	13.7			69.2

TOTAL NUMBER OF OBSERVATIONS 1,809

NAVWEASERVCOM



4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17773 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) JUNE (MONTH) 8 (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	4.4	8.8						2.9	16.2	5.9	22.1			52.9
NNE	2.8	2.8	2.8					2.8	11.1	2.8	16.7			69.4
NE	2.3	4.7	7.0					4.7	16.3	9.3	30.2			46.5
ENE	5.2	1.7	3.4						15.5	5.2	34.5			44.8
E	1.6	3.3	3.3					3.3	9.8	9.8	32.8			49.2
ESE								2.1	4.3	2.1	27.7			68.1
SE		1.3						2.6	2.6	1.3	19.2			74.4
SSE	.8	1.9						1.9	3.8	3.8	34.8			58.9
S	1.8	2.3						2.0	3.2	6.6	29.9			59.2
SSW	1.7	4.2						1.7	2.5	9.2	19.3			68.1
SW	1.9	1.9								9.4	18.9			69.8
WSW		5.3						5.3	7.9	18.4	21.1			55.3
W	3.2	1.9							1.9	9.6	26.9			61.5
WNW		4.7						2.8	1.9	15.9	19.6			63.6
NW		2.0						.7	2.0	22.8	18.1			61.7
NNW	1.6	2.9						1.0	2.9	15.5	20.4			64.1
VARIABLE														
CALM		2.7	.8					1.5	9.7	38.5	24.0			59.8
TOTAL	23	50	9					32	84	212	443			1022
% TOTAL	1.3	2.9	.5					1.8	4.8	12.2	25.4			58.7

TOTAL NUMBER OF OBSERVATIONS 1,741

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773	QUANTICO, VA	JANUARY 1969-SEPTEMBER 197	JULY	8
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

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	[illegible]	3.6						1.7	6.8	10.2	28.8			52.5
NNE		4.2								8.3	33.3			58.3
NE								2.9		5.7	37.1			57.1
ENE	[illegible]	2.3	2.3						16.3	4.7	32.6			46.5
E	1.7	1.7							11.7	10.0	36.7			46.7
ESE	2.[illegible]	7.5						5.0	5.0	7.5	45.0			45.[illegible]
SE	2.7	2.7						1.3	1.3	4.0	45.3			48.[illegible]
SSE		2.0	.7					1.3	1.3	2.0	44.7			51.3
S	1.4	3.4						2.0	1.7	4.4	40.3			53.6
SSW	1.5	8.1						2.2	2.2	11.9	26.7			57.5
SW		2.5						2.5	7.5	12.5	22.5			60.0
WSW		14.6						8.3		22.9	27.1			39.6
W		13.6						10.2	1.1	9.1	30.7			50.0
WNW	.[illegible]	3.2						3.2	3.2	25.6	30.4			49.6
NW	.[illegible]	1.[illegible]						.5	2.5	21.6	33.3			47.1
NNW	2.[illegible]	1.7							1.7	17.5	28.3			55.[illegible]
VARIABLE														
CALM	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	26	67	2					37	59	256	614			866
% TOTAL	1.[illegible]	3.8	.1					2.1	3.3	14.5	34.7			48.9

TOTAL NUMBER OF OBSERVATIONS 1,77[illegible]

NAVWEASERVCOM

4431-84321

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

1[illegible]3 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197[illegible] (YEARS) AUGUST (MONTH) 6 (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	3.0	3.0							11.9	3.[illegible]	7.5			76.1
NNE	6.4	10.6	2.1					6.4	2.1	14.9	17.0			55.3
NE	3.[illegible]	5.8							7.7	3.8	38.5			50.0
ENE	3.[illegible]	3.7	1.9					1.9	3.7	11.1	37.0			48.1
E	2.1	2.1						2.1	2.1	6.4	38.3			53.2
ESE									3.6	3.6	39.3			53.6
SE	1.[illegible]									5.8	51.3			41.3
SSE	1.[illegible]	1.5						1.[illegible]	1.5	3.8	47.5			45.[illegible]
S	.[illegible]	3.2						1.[illegible]	2.8	7.8	43.6			44.5
SSW	.[illegible]	5.7							4.7	13.2	35.8			46.2
SW		2.3							2.3	16.3	46.5			44.2
WSW		12.2						4.[illegible]	7.3	14.6	39.0			36.6
W	1.3	2.7							2.[illegible]	12.0	40.0			46.7
WNW	.[illegible]	4.2						2.4	4.2	31.0	27.5			41.5
NW	.[illegible]	3.5						1.8	2.2	34.5	30.5			40.7
NNW		2.7	.7					.7	4.7	27.5	26.2			54.4
VARIABLE														
CALM	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	31	63	3					27	77	342	643			804
% TOTAL	1.7	3.5	.2					1.5	4.3	19.0	35.7			44.7

TOTAL NUMBER OF OBSERVATIONS 1,799

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197[illegible] (YEARS) SEPTEMBER (MONTH) 8 (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	6.3	1.3						6.3	7.5	18.8			63.8
NNE	30.4	6.1							10.2	8.2	20.4			53.1
NE	9.4	1.9	1.9						5.7	5.7	9.4			75.5
ENE	10.3	1.7							12.1	5.2	20.7			58.6
E	5.[illegible]	1.5							5.9	10.3	25.0			63.2
ESE			4.3							8.7	30.4			60.9
SE	1.6	1.6							1.6		25.8			71.0
SSE	.8	.8	.8						3.1	3.9	30.5			64.8
S	.4	2.2	.4					.4	3.5	3.9	28.4			62.4
SSW		1.1						2.2	3.3	18.2	40.2			41.3
SW	3.7								3.7	7.4	25.9			63.0
WSW	4.5	4.5						13.6	4.5	18.2	18.2			54.5
W	4.[illegible]	4.0						4.0	4.0	16.0	14.0			66.0
WNW	1.9	1.0						1.0	1.9	26.0	19.2			55.8
NW		1.7						.4	3.0	29.2	20.8			58.5
NNW	4.4	4.4	.8					3.1	4.4	11.3	11.9			68.6
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	[illegible]	79	7					17	72	250	402			997
% TOTAL	[illegible]	2.3	.4					1.0	4.3	14.9	23.9			59.2

TOTAL NUMBER OF OBSERVATIONS 1,683

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773	QUANTICO, VA	JANUARY 1969-SEPTEMBER 197	OCTOBER	8
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	5.7	2.1	2.1						13.5	11.5	16.7			62.5
NNE	11.5	4.7	9.3						24.6	7.0	20.9			48.2
NE	13.8	1.1	4.3						23.4	16.0	28.5			39.4
ENE	11.[illegible]	1.4	4.1						16.4	9.6	26.0			47.9
E	11.[illegible]		3.5						14.0	15.8	19.3			52.6
ESE	3.8								3.8	7.7	7.7			80.8
SE	10.2	4.1	2.0						12.2	16.3	16.3			59.2
SSE	6.9	2.8							8.3	9.7	19.4			66.7
S	2.4	.6	.6						5.4	10.8	19.2			67.1
SSW		1.7							6.3	11.7	16.7			65.0
SW	3.7								3.7	7.4	3.7			81.5
WSW	11.1	11.1								11.1				72.2
W	5.6								2.8	5.6	5.6			86.1
WNW	3.[illegible]	.9							2.6	12.2	.9			82.6
NW	1.[illegible]		.7						6.8	22.3	8.1			66.2
NNW	6.7	1.7	1.7					1.1	6.7	10.6	5.0			77.8
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	[illegible]	19	24					3	158	259	225			1062
% TOTAL	5.1	1.1	1.4					.2	9.5	15.6	13.5			63.9

TOTAL NUMBER OF OBSERVATIONS 1,662

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1**773** (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) NOVEMBER (MONTH) 8 (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	[illegible]	4.2	2.1			1.1		1.1	8.4	3.2	1.1			93.2
NNE	3.3		3.0						27.3	6.1				51.5
NE	14.3		5.7						28.6		14.3			57.1
ENE	9.1					4.5			9.1	9.1	13.6			63.6
E	4.3	4.8	14.3					4.8	33.3	14.3	14.3			38.1
ESE	11.1									11.1	11.1			77.8
SE	16.7								22.2	8.3	16.7			52.8
SSE	7.7	3.8							11.5	11.5	15.4			65.4
S	3.1	3.1							6.7	4.7	8.8			76.2
SSW	1.4								1.4	6.8	4.1			89.2
SW	6.3	2.3							2.3	2.3	6.8			86.4
WSW	2.3	7.0						2.3	4.7	7.0	2.3			79.1
W	3.3	3.3							4.9	1.6	1.6			86.9
WNW	4.1	.7	1.3					.7	4.6	11.8	5.2			79.1
NW	1.4	.4	.4						5.9	7.6	3.0			82.7
NNW	1.7	1.6			.5	1.1			4.2	8.3	5.3			79.4
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	96	25	12		1	5		4	124	141	96			1168
% TOTAL	5.5	1.6	.8		.1	.3		.3	8.0	9.1	6.2			75.2

TOTAL NUMBER OF OBSERVATIONS 1,554

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

1[illegible]73 (STATION) | QUANTICO, VA (STATION NAME) | JANUARY 1969-SEPTEMBER 197[illegible] (YEARS) | DECEMBER (MONTH) | 8 (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	[illegible].7		7.1		1.8	4.4			15.9	4.4	3.5			69.9
NNE	12.9		7.7			12.8			30.8	7.7	5.1	2.6		48.7
NE	27.1		6.3			4.2			33.3	4.2	6.3			47.9
ENE	17.1		2.9						25.7	2.9	8.6			57.1
E	23.7								26.0	4.2	8.3			54.2
ESE	15.4	15.4							7.7	7.7	7.7			69.2
SE	11.1	3.7							11.1	3.7				77.8
SSE	6.[illegible]		2.0						22.0	8.0				68.[illegible]
S	6.4	2.3	2.3			.6			10.5	7.0	4.7			73.7
SSW	7.2	1.2	1.2						6.0	3.6	2.4			83.1
SW	2.9	8.8	2.9						5.9	2.9				79.4
WSW	3.3								3.3					96.7
W	8.8		1.8						5.3	1.8	1.8			87.7
WNW	5.[illegible]	.7				.7			6.6	6.6	3.7	.7		81.6
NW	4.3		.8		.4	1.6			7.0	7.8	1.9	1.2		82.1
NNW	3.[illegible]	.5	.9		1.4	4.2			9.4	2.8	3.8	.5		80.7
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	12[illegible]	14	28		7	29			199	101	63	6		1204
% TOTAL	7.9	.9	1.7		.4	1.8			12.3	6.2	3.9	.4		74.3

TOTAL NUMBER OF OBSERVATIONS 1,621

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) ALL (MONTH) 8 (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	2.3	2.4	.3	.5	3.2		.5	14.8	5.6	8.9	.1		67.6
NNE	14.9	3.4	6.0	.8	.2	3.4		.8	22.2	6.6	11.9	.2		52.7
NE	10.[illegible]	2.1	6.2	.5	.6	1.7		.9	20.5	8.0	16.7			52.9
ENE	11.[illegible]	1.7	3.6			1.0		.2	16.9	7.2	19.6			54.9
E	7.8	2.4	2.9	.2	.2	.2		1.1	12.6	8.6	20.3			57.1
ESE	6.7	2.4	1.7	.2		.5		.7	10.1	5.0	16.6			66.6
SE	5.4	1.7	.9			.3		.5	6.4	5.6	20.6			65.5
SSE	3.4	1.7	.7		.2	.6		.8	6.0	4.6	23.6			65.2
S	3.4	2.2	.5	.1	.1	.3		.7	5.1	5.7	19.7			67.1
SSW	2.[illegible]	3.4	.2	.1	.1	.1		.9	4.5	7.7	15.1			70.6
SW	2.3	1.8	.7					.[illegible]	4.2	5.7	11.8			77.2
WSW	2.[illegible]	5.9	.5			.2		2.8	3.3	9.6	11.5			70.5
W	4.1	3.4	.5			.1		2.0	3.3	7.0	10.0	.1		76.5
WNW	2.4	1.7	.4			.3		1.0	3.6	11.8	9.9	.1		75.1
NW	[illegible]	1.0	.5	.0	.0	.5		.3	4.9	14.9	10.5	.1		71.7
NNW	[illegible]	2.0	1.1	.1	.2	1.4		.6	6.8	8.6	8.3	.1		75.7
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	[illegible]	423	265	19	26	152		151	1682	2091	2999	10		13928
% TOTAL	4.[illegible]	2.0	1.3	.1	.1	.7		.7	7.9	10.0	14.4	.0		66.9

TOTAL NUMBER OF OBSERVATIONS 20,812

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PRECIPITATION

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.



DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] | 45-76
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	[illegible]	11.[illegible]	1.6	5.7	5.4	[illegible].5	6.[illegible]	4.6	.7					34.	930	2.79	5.[illegible]1	.3[illegible]
FEB	[illegible].[illegible]	12.4	1.[illegible]	[illegible].3	4.5	7.[illegible]	[illegible].4	5.3	1.[illegible]					30.7	848	2.63	6.[illegible]	.3[illegible]
MAR	[illegible]	12.6	[illegible].7	[illegible].4	4.6	7.6	6.5	6.[illegible]	1.2					34.[illegible]	992	3.24	6.[illegible]	.[illegible]0
APR	[illegible].[illegible]	14.	[illegible].[illegible]	7.3	5.6	6.7	[illegible].4	4.8	2.[illegible]					34.6	900	3.01	7.46	.[illegible]
MAY	[illegible].4	14.	[illegible].3	[illegible].6	[illegible].2	[illegible].6	6.[illegible]	5.6	1.9					35.6	899	[illegible].29	9.23	.3[illegible]
JUN	[illegible].[illegible]	1[illegible].[illegible]	[illegible].[illegible]	[illegible].0	[illegible].3	6.8	[illegible].4	4.[illegible]	2.[illegible]	.3	.1			30.[illegible]	960	3.27	[illegible]0.1[illegible]	.[illegible]7
JUL	[illegible].[illegible]	1[illegible].[illegible]	[illegible].1	5.8	[illegible].[illegible]	6.9	[illegible].[illegible]	4.6	2.[illegible]	.3				32.6	[illegible]71	3.66	9.74	1.[illegible]
AUG	[illegible].[illegible]	11.1	1.2	[illegible].5	3.[illegible]	5.8	[illegible].4	4.5	3.1	.6				3[illegible].1	930	4.29	11.77	.5[illegible]
SEP	[illegible].[illegible]	9.7	1.[illegible]	[illegible].5	[illegible].8	4.0	4.[illegible]	4.1	2.3	.4				26.7	93[illegible]	[illegible].31	13.52	.1[illegible]
OCT	6[illegible].7	11.2	1.4	3.5	2.6	4.6	[illegible].9	3.[illegible]	1.[illegible]	.2				21.1	930	2.47	5.16	.[illegible]
NOV	[illegible].[illegible]	10.4	1.7	[illegible].1	3.[illegible]	6.7	[illegible].[illegible]	3.9	2.4					23.6	900	2.99	8.[illegible]9	.[illegible]4
DEC	[illegible].[illegible]	12.	[illegible].7	5.5	3.7	5.5	[illegible].[illegible]	4.4	2.[illegible]					29.7	961	3.27	7.77	.[illegible]7
ANNUAL	[illegible].[illegible]	1[illegible].2	[illegible].[illegible]	5.6	4.4	6.6	[illegible].5	4.6	2.[illegible]	.1	.0			30.[illegible]	11141	[illegible].32		

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DAILY AMOUNTS

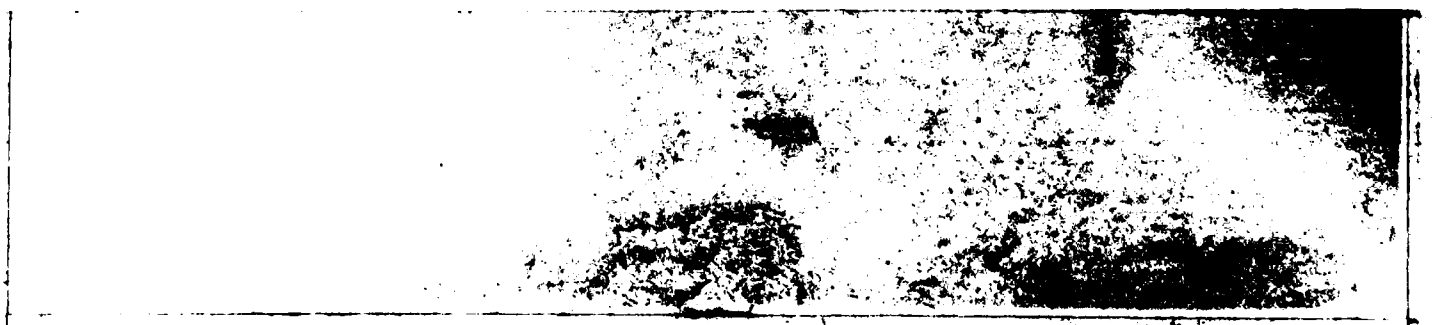
PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

[illegible] | QUANTICO, VA | 45-76

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]	2.1	3.2	[illegible]	.3	.9	.3	[illegible]					7.8	[illegible]	4.2	26.4	[illegible]
FEB	[illegible]	10.1	1.[illegible]	2.2	1.3	.7	.2	.6	.2	.1				7.3	819	4.2	16.	.
MAR	.1	[illegible].6	.[illegible]	.8	[illegible]	.3	[illegible]	.4	.6					3.3	8[illegible]9	3.2	27.	.
APR	.	.9	.1	.2			.[illegible]							.5	[illegible]70	.2	4.	.
MAY	[illegible]														[illegible]77	.[illegible]	.	.
JUN	[illegible]														[illegible]0	.[illegible]	.	.
JUL	[illegible]														[illegible]	.[illegible]	.	.
AUG	[illegible]														8[illegible]9	.[illegible]	.	.
SEP	[illegible]														[illegible]0	.[illegible]	.	.
OCT	[illegible]	.[illegible]													[illegible]0	TRACE	TRACE	.
NOV	[illegible]	.3	.4		.[illegible]	.1		.1			.1			1.	[illegible]47	[illegible].1	16.	.
DEC	[illegible].7	[illegible]	.6	1.2	[illegible]	.[illegible]	[illegible]	.3	.4					[illegible].8	[illegible]70	3.8	17.	[illegible]
ANNUAL	[illegible]	[illegible].2	.5	.6	[illegible]	.2	.1	.1	.1	.	.[illegible]			2.	10[illegible]22	1[illegible].3		

NAVWEASERVCOM



DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]TICO, VA	45-76

	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]	4.1	2.2	2.[illegible]	1.7	1.[illegible]	.2						11.[illegible]	806			
FEB	.[illegible]	[illegible].1	2.1	1.8	1.4	2.2	2.2	.5		.1				10.[illegible]	763			
MAR	[illegible]	1.4	.2	.5	.4	1.1	.4							2.5	837			
APR	[illegible]	[illegible]													810			
MAY	[illegible]														775			
JUN	[illegible]														840			
JUL	[illegible]														837			
AUG	[illegible]														816			
SEP	[illegible]														810			
OCT	[illegible]														806			
NOV	[illegible]	[illegible]	[illegible]	.1	.1	.1								.7	750			
DEC	8 [illegible]	4.[illegible]	2.[illegible]	1.2	.7	[illegible].0		.2	.1					6.5	899			
ANNUAL	[illegible]	1.[illegible]	.7	.5	.[illegible]	.6	.[illegible]	.1	.[illegible]	.[illegible]				2.7	[illegible]739			

NAVWEASERVCOM



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] STATION | [illegible]CO, VA STATION NAME | 65-76, 78, 82 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]			.21	2.74		1.39	1.37	.50	1.01	.48	.78	1.42	
4[illegible]	.39	.46	.55	1.32	.97	.53	1.14		.82	.66	.75	1.13	
47	.53	.48	.24		.57	1.07	.74	1.61	.99	.83	1.24	.64	
	1.47	.46	1.07	1.35	1.37	1.08	1.43	2.89	.86	1.40	.53	1.42	2.89
[illegible]	1.24	.42	.68	.73	1.49	.87	1.56	1.93	.75	.57	.50	.45	1.93
0	.67		.81	.72	.93	.26		1.39	3.15	.84	.80	1.79	
1	.43	1.28	2.07	.71	.60	2.65	.85		.93	.75	1.65	.94	
2	.91	.65	.73	1.09		.30	1.38	1.82	.84	.26	2.08	.63	
3	1.29	.83	1.15	2.40	1.16	2.66	1.20	.62	.95	3.44	2.30	.87	3.44
4	.64	.83	.81	1.00	.75	.25	2.40	1.38	.40	1.21	.37	1.45	2.40
5	.1[illegible]	.93	.84	1.46	.70	2.11	2.20	4.39	.28	1.26	.66	.14	4.39
5[illegible]	.67	.97	1.17	1.32	.83	1.29	1.90	1.15	1.98	1.07	1.47	.64	1.98
7[illegible]	.83	1.14	.62	.40	.13	1.59	.46	3.52	.83	2.74	.93	1.72	3.52
[illegible]	1.82	1.[illegible]3	1.91	1.17	.90	1.12	1.41	4.70	.89	1.35	1.05	1.76	4.70
[illegible]	.77	.52	.75	1.39		2.85	1.96	1.82	1.84		.83	1.22	
0	.98	1.06	.71	1.25	1.99	2.43	.84	1.56	2.14	1.08	.13	.47	2.43
1	.73	1.88	.87	.88	.79	.81	1.72	1.44	.38	1.57	.41	.75	1.88
2	1.07	1.05	.89	.70	1.39	.69	1.09	.79	1.36	.26	1.[illegible]8	1.17	1.38
3	.64	.46	1.36	.40		2.31	.43	.16	1.41	.05	2.44	.87	
4	1.[illegible]0	.70	.69	.70	.35	1.33	.64	.72	1.41	.93	.51	1.12	1.41
5	.57	1.[illegible]0	1.04	.34	.79	1.03	.85	1.52	.67	1.79	.22	.16	1.79
6	.94	.99	1.05	.76	.61	.39	.42	.38	3.16	2.00	.33	.87	3.16
6[illegible]	1.[illegible]3	.[illegible]1	.69	.21	.56	.42	1.29	.74	.10	.45	.60	.77	1.29
6[illegible]	.55	.23	1.34	.35	.93	1.20	2.76	2.42	2.19	.91	1.47	.72	2.76
6[illegible]	.00	1.01	.68	.49	.63	.47	2.24	1.38	.46	.78	.69	1.59	2.24
[illegible]0	.64	.97	.64	1.84	.90	.43	1.21	.72	1.30	1.47	2.41	.95	2.41
[illegible]1	.71	1.40	1.21	1.73	1.65	.81	.83	4.37	.75	1.87	1.48	1.29	4.37
[illegible]2	.60	1.11	.57	1.33	1.13	5.01	.79	.66	.99	1.53	1.60	1.20	5.01
[illegible]3	.63	1.54	.57	1.34	.79	.94	2.93	2.52	1.81	1.29	.40	1.61	2.93
[illegible]4	1.[illegible]5	.23	1.12	1.39	1.33	1.43	1.23	1.67	2.14	.42	.78	2.40	2.40
MEAN													
S.D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.69	.75	.91	.79	.67	.70	3.67	.79	4.55	.98		1.55	
76		.43	.99		1.19	.94	.84	.37					
77													
MEAN	.53	.86	.91	1.06	.93	1.20	1.39	1.67	1.32	1.18	1.03	1.00	2.76
S.D.	.360	.377	.398	.559	.402	1.012	.784	1.220	.982	.730	.658	.515	1.091
TOTAL OBS.	930	848	992	900	868	963	961	935	931	930	900	961	11110

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1273 — STATION
[illegible] MATICO, VA — STATION NAME
45-76, 78, 82 — YEARS

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

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		.91 24			1.83 30								PRECIP DAYS
46								1.90 [illegible]					PRECIP DAYS
47				.91 29									PRECIP DAYS
[illegible]		.64 24					1.86 29						PRECIP DAYS
[illegible]								.69 [illegible]					PRECIP DAYS
[illegible]					1.24 [illegible]					.94 30			PRECIP DAYS
[illegible]					.14 30								PRECIP DAYS
[illegible]											1.12 27		PRECIP DAYS
76	1.29 30			.86 28					2.54 29	3.73 26	.83 21	1.26 21	PRECIP DAYS
77									.00 1				PRECIP DAYS
2		TRACE 17	.39 23	1.59 21	.24 20	.01 22	.67 21	.45 19	TRACE 21	1.26 2[illegible]	.65 17	TRACE 22	PRECIP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

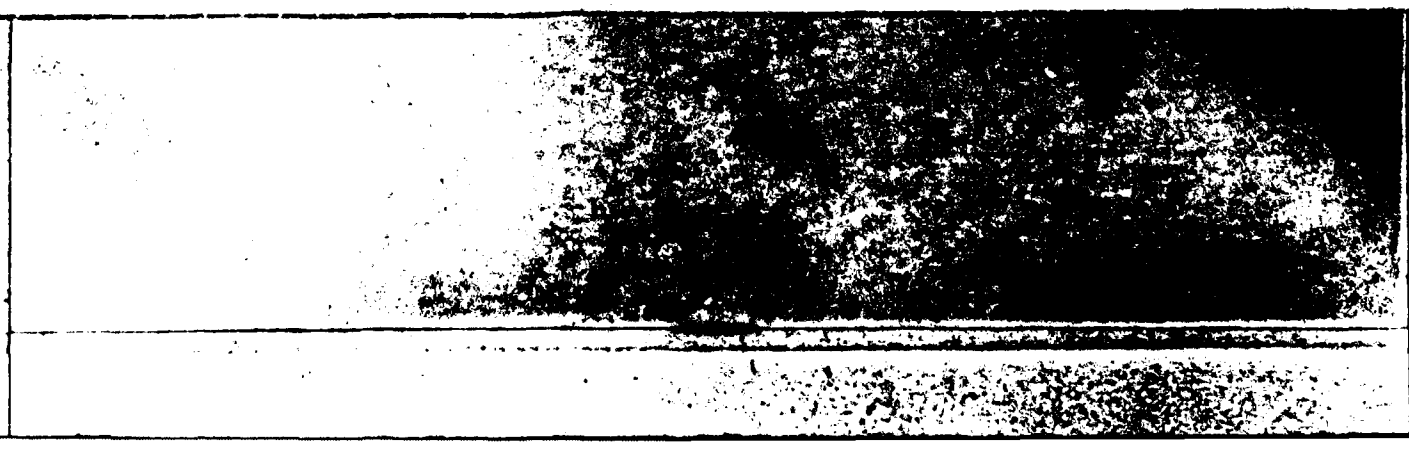
SNOWFALL
(FROM DAILY OBSERVATIONS)

13773 — STATION
QUANTICO, VA — STATION NAME
65-76, 78, 82 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
65								.0		.0	TRACE		
66	.7	.3		.1			.0		.0	.0	.0	3.5	
67		5.3	2.3		.1	.0	.0	.0	.0	.0	.0	2.2	
68			.1	.0	.0	.0	.0	.0	.1	.0	.0	.5	
69	.4	.2		.3	.3	.0	.0		.3	.0		TRACE	
70	TRACE		2.0	.0	.2	.0		.0	.0	.0	3.0	4.2	
71	.6	2.0	TRACE	.2	.2	.0	.2		.0	.0	TRACE	5.1	
72	TRACE	TRACE	TRACE	.1		.0	.0	.0	.1	.0	TRACE	TRACE	
73	.4	.1	.9	TRACE	.2	.0	.0	.0	.0	.0	16.7	TRACE	16.7
74	4.1	.3	TRACE	TRACE	.2	.0	.0	.0	.0	TRACE	TRACE	TRACE	4.0
75	1.1	2.4	.1	.0	.2	.0	.0	.0	.0	.0	TRACE	TRACE	2.4
76	.7	TRACE	.7	.2	.0	.0	.2	.0	.0	.0		TRACE	
77	3.2	1.1	.3	.5	.1	.0	.0	.0	.0	.0	.0	6.8	6.8
78	.2	9.9	6.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5	9.9
79	1.8	TRACE	TRACE	4.8		.0	.0	.0	.0		TRACE	TRACE	
80	TRACE	3.8	7.1	.2	.2	.0	.0	.0	.0	.0	TRACE	4.2	7.1
1	6.9	11.5	TRACE	.8	.0	.0	.2	.0	.0	.0	1.6	2.2	11.5
2	2.1	2.7	4.2	.0	.3	.0	.0	.0	.1	.0	TRACE	6.5	6.5
3	.8	2.8	.8	.0		.0	.0	.0	.0	.0	TRACE	8.7	
4	4.2	6.1	3.2	.3	.1	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
5	4.7	3.1	1.5	.2	.1	.0	.0	.0	.0	.0	.0	.4	8.7
6	9.4	5.1	TRACE	.0	.3	.0	.0	.0	.0	.0	TRACE	8.7	9.4
67	1.5	8.0	TRACE	.0	.3	.0	.0	.0	.0	.0	4.0	3.0	8.0
68	5.2	2.0	TRACE	.0	.3	.0	.0	.0	.3	.0	TRACE	TRACE	5.2
69	TRACE	1.6	5.7	.0	.3	.0	.0	.0	.0	.0	TRACE	.6	5.7
70	4.2	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3	4.4
71	4.7	1.1	4.7	1.0	.5	.0	.0	.0	.0	.0	TRACE	TRACE	4.7
72	TRACE	3.1	.0	TRACE	.1	.2	.0	.0	.0	TRACE	.2	TRACE	3.0
73	TRACE	TRACE	TRACE	TRACE	.3	.0	.0	.0	.0	.0	.0	3.5	3.5
74	TRACE	2.9	TRACE	.2	.3	.0	.0	.0	.0	.0	.0	TRACE	2.9
MEAN													
S.D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	1.8	4.5	TRACE	.7	.0	.0	.0	.0	.0	.0		TRACE	
76		TRACE	TRACE		.7	.0	.0	.0					
77													
[illegible]													
MEAN	2.[illegible]	2.79	1.64	.21	.00	.00	.00	.00	.00	TRACE	.98	2.15	6.45
S.D.	2.426	3.012	2.634	.760	.000	.000	.000	.000	.000	.000	3.330	2.752	3.521
TOTAL OBS.	868	819	899	870	837	930	930	868	900	930	840	930	10622

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

1[illegible]73 STATION | C[illegible]TICO, V[illegible] STATION NAME | 45-76, 78, 82 YEARS

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

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]		1.4 24					.0 30		.0 27			3.[illegible] 27	SNOFALL DAYS
46			.[illegible] 22		.[illegible] 24	.0 29		.0 30					SNOFALL DAYS
47	2.6 30			.[illegible] 29									SNOFALL DAYS
48	4.[illegible] 30	2.0 27											SNOFALL DAYS
49			TRACE 29					.0 26			TRACE 29		SNOFALL DAYS
[illegible]0		3.1 24					.[illegible] 29						SNOFALL DAYS
[illegible]1								.[illegible] [illegible]					SNOFALL DAYS
5[illegible]											TRACE 29		SNOFALL DAYS
[illegible]3					.[illegible] [illegible]0					.0 30			SNOFALL DAYS
[illegible]4					.[illegible] [illegible]0								SNOFALL DAYS
[illegible]5											TRACE 27		SNOFALL DAYS
[illegible]6	TRACE 30			.[illegible] 28					.0 29	.0 26	TRACE 21	1.0 21	SNOFALL DAYS
[illegible]7									.[illegible] 1				SNOFALL DAYS
[illegible]		.[illegible] 14	.0 23	TRACE 21	.[illegible] 20	.0 22	.0 21	.0 19	.0 21	.0 20	.0 17	TRACE 22	SNOFALL DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13773 — STATION
QUANTICO, VA — STATION NAME
45-76, 78, 82 — YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46				1			2						
47													
48													
49	1	2		1	0	0	0			0		1	
50			1		0	0		0			3	3	
51	1	1	0	0	0	0	0				0	1	
52		TRACE	TRACE	1	0	0	0	0	0	0	TRACE	1	
53	TRACE	2	3	0	0	0	0	0	0	0	5	TRACE	5
54	4	1	1	TRACE	1	0	0	0	0	0	0	2	4
55	1	3	1	0	0	0	0	0	0	0	0	1	2
56	TRACE	1	1	0	0	0	0	0	0	0	0	TRACE	
57	6	TRACE	1	0	0	0	0	0	0	0	0	4	6
58	TRACE	40	TRACE	1	0	0	0	0	0	0	3	1	40
59	TRACE	1	1	TRACE	0	0	0	0	0	0	0	5	7
60	1	15	6	1	0	0	0	0	0	0	2	TRACE	15
61	3	1	1	0	0	0	0	0	0	0	0	5	5
62	3	TRACE	TRACE	0	0	0	0	0	0	0	0	4	
63	1	6	1	TRACE	1	0	0	0	0	0	TRACE	TRACE	7
64	0	1	TRACE	1	0	0	0	0	0	0	0	TRACE	1
65	22	20	3	0	0	0	0	0	0	0	0	6	22
66	1	1	10	0	0	0	0	0	0	0	TRACE	4	10
67	0	TRACE	1	0	0	0	0	0	0	0	0	1	1
68	0	1	0	0	0	0	0	0	0	0	0	1	1
69	1	1	0	TRACE	0	0	0	0	0	0	0	TRACE	1
70	TRACE	2	0	0	0	0	0	0	0	0	0	0	2
71	1	1	1	0	0	0	0	0	0	0	0	5	6
72													3
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

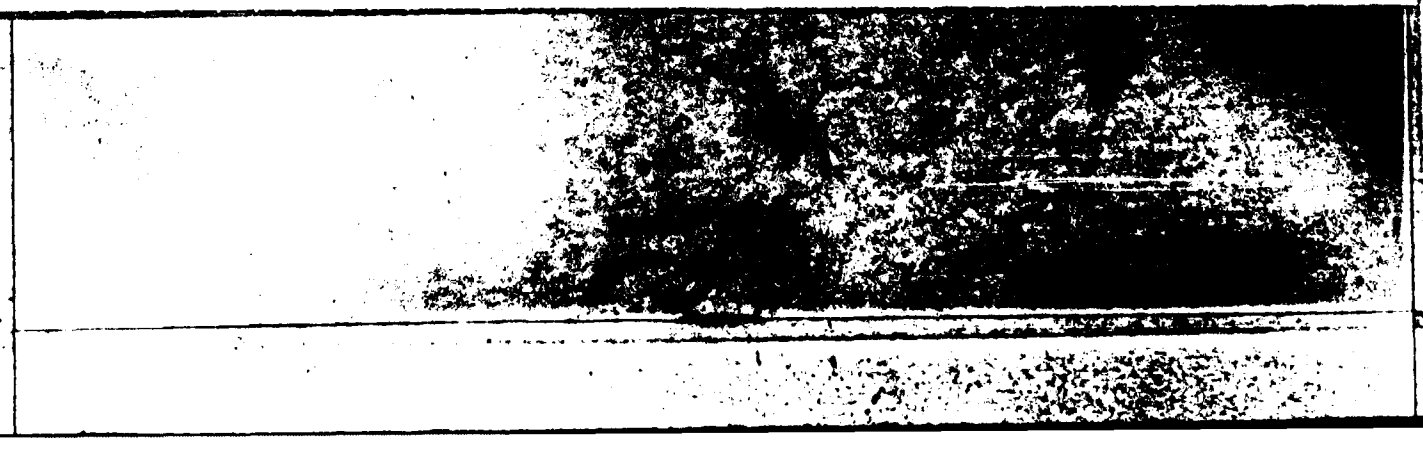
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13773 — STATION
QUANTICO, VA — STATION NAME
45-76, 78, 8? — YEARS

DAILY SNOW DEPTH IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	3	T	T	T	0	0	0	0	0	0	T	T	
76		TRACE	TRACE			0	0	0					
77													
MEAN	3.?	4.2	1.4	TRACE	.?	.0	.?	.0	.?	.0	.4	2.?	?.4
S.D.	4.893	4.598	2.462	.000	.000	.000	.000	.000	.000	.000	1.193	6.164	9.053
TOTAL OBS.	806	763	837	81?	775	840	837	836	810	806	750	899	9739

SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1[illegible]73 | [illegible]RTICO, VA | 45-76, 78, 8[illegible]
STATION | STATION NAME | 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]		5			0	0	1		0				SNO DPTH DAYS
45			1			29			0	0			SNO DPTH DAYS
47			0		0		0		0	0	1		SNO DPTH DAYS
48	3				0	0	0						SNO DPTH DAYS
[illegible]			RACE 29								TRACE 28		SNO DPTH DAYS
		2[illegible]		27			29			30			SNO DPTH DAYS
1								30	29				SNO DPTH DAYS
[illegible]	RAC 27												SNO DPTH DAYS
5[illegible]											29		SNO DPTH DAYS
[illegible]					29					3[illegible]			SNO DPTH DAYS
3					30								SNO DPTH DAYS
75											27		SNO DPTH DAYS
76	30			28					29	26	21	21	SNO DPTH DAYS
7[illegible]									1				SNO DPTH DAYS
7		1[illegible]	RACE 23	21	20	22	21	19	21	28	17	22	SNO DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13773 — STATION
SANTOS, VA — STATION NAME
1948-1976 1983-1983 — YEARS

JANUARY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	23	1948	4.0	102	1971
2	0.35	9	1972	T	T	1968*
3	[illegible]	22	1960	T	T	1970*
4	[illegible]	18	1971	T	T	1952*
5	1.24	31	1969	T	T	1957*
6	[illegible]	27	1962	1.5	38	1968
7	[illegible]	14	1976	1.9	48	1975
8	[illegible]	12	1953	T	T	1976*
9	[illegible]	25	1964	2.2	56	1957
10	[illegible]	23	1952	2.0	51	1962
11	[illegible]	7	1974*	1.2	30	1954
12	[illegible]	17	1950	4.0	102	1964
13	[illegible]	27	1948	3.0	76	1964
14	[illegible]	46	1958	1.8	46	1957
15	[illegible]	20	1961	5.0	127	1969
16	[illegible]	15	1959	2.5	64	1965
17	[illegible]	16	1970	1.0	25	1971
18	[illegible]	8	1969	T	T	1965*
19	[illegible]	15	1975	5.4	137	1961
20	[illegible]	15	1947	4.4	112	1970
21	1.54	39	1949	0.3	8	1.46
22	[illegible]	16	1954	4.0	102	1954
23	[illegible]	[illegible]	1965	0.3	8	1968
24	[illegible]	33	1953	4.0	102	1968
25	[illegible]	23	1958	T	T	1969*
26	[illegible]	32	1976	9.4	239	1966
27	[illegible]	27	1976	1.0	25	1959
28	[illegible]	22	1952	0.2	5	1946
29	[illegible]	22	1966	8.7	221	1966
30	[illegible]	20	1966	7.7	196	1966
31	[illegible]	15	1949	0.8	20	1963
Monthly	1.82	46	1958	9.4	239	1966

FEBRUARY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.74	19	1957	1.4	36	1962
2	1.54	39	1973	2.2	56	1975
3	0.99	25	1972	0.5	13	1971
4	0.49	12	1956	4.5	114	1975
5	0.84	21	1960	1.0	25	1948
6	0.92	23	1955	1.0	25	1949
7	1.40	36	1971	5.3	135	1967
8	1.88	48	1961	11.5	292	1961
9	0.97	25	1970	2.7	69	1962
10	0.60	15	1970	1.1	28	1968
11	0.60	15	1964	6.0	152	1964
12	0.55	14	1975	3.9	99	1961
13	1.11	28	19[illegible]	3.8	97	196[illegible]
14	0.90	23	1983	9.0	229	1983
15	1.[illegible]2	26	1958	9.9	251	1 59
16	0.65	17	1952	2.2	56	1962
17	0.80	20	1967	8.[illegible]	203	1967
18	1.06	27	1960	1.0	25	1967
19	0.77	20	1972	1.6	41	1972
20	0.48	12	1947	5.0	127	1947
21	0.82	21	1954	0.5	13	1960
22	1.16	29	1971	2.0	51	1948
23	1.[illegible]1	26	1969	2.4	61	1972
24	[illegible]	25	1966	5.1	130	1966
26	0.82	21	1960	3.1	79	1950
26	1.14	29	1957	0.9	23	1950
27	0.75	19	1962	T	T	1973
28	0.56	14	1966	3.0	76	1964
29	0.23	6	1968	2.0	51	1968
30						
31						
Monthly	1.88	48	1961	11.5	292	1961

* 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, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
[illegible]	QUANTICO, VA	1945-1976 1982-1983

MARCH (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.55	17	1954	5.7	145	1969
2	.59	15	1948	2.6	66	1969
3	1.21	31	1971	7.1	180	1960
4	.79	31	1945	T	T	1971*
5	1.02	26	1965	4.2	107	1962
6	1.01	26	1963	2.2	56	1962
7	1.00	25	1948	4.7	119	1969
8	.64	16	1954	2.3	58	1947
9	.99	25	1976	7.8	198	1954
10	1.40	18	1949	2.9	74	1960
11	1.38	35	1963	0.8	20	1963
12	1.34	34	1968	T	T	1968
13	2.09	53	1951	3.9	97	1958
14	1.11	28	1956	T	T	1970*
15	1.01	21	1953	T	T	1970*
16	.63	16	1956	8.0	203	1958
17	.57	14	1972	0.2	5	1965
18	.69	17	1949	0.7	18	1956
19	1.61	49	1958	8.0	203	1958
20	1.09	28	1958	8.1	206	1958
21	1.28	33	1983	0.2	5	1963*
22	1.07	27	1961	T	T	1964
23	1.19	30	1952	T	T	1967
24	1.15	29	1955	T	T	1965*
25	.70	18	1953	T	T	1957*
26	.65	17	1965	4.7	119	1971
27	.54	14	1958	0.5	13	1947
28	1.14	29	1983	T	T	1959
29	.81	21	1974	T	T	1970
30	1.99	25	1974	3.2	81	1964
31	0.96	24	1976	T	T	1964
Monthly	2.09	53	1951	8.1	206	1958

APRIL (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.38	34	1948	0.3	8	1964
2	1.84	47	1970			
3	1.25	32	1960			
4	0.70	10	1973	T	T	1954
5	1.04	26	1960			
6	2.40	61	1953	1.0	25	1971
7	0.91	23	1972	T	T	1972*
8	1.39	35	1974	T	T	1972
9	0.37	9	1982	T	T	1982
10	0.63	16	1958			
11	1.85	46	1983	T	T	1973
12	0.91	23	1959	4.8	102	1959
13	1.00	25	1953	0.5	13	1957
14	1.44	47	1970			
15	0.87	22	1983			
16	1.50	38	1953			
17	2.34	59	1945			
18	0.41	10	1960			
19	1.55	39	1982			
20	0.62	16	1970	T	T	1953
21	0.59	15	1958	T	T	1973
22	1.33	34	1972			
23	0.71	18	1970			
24	0.72	18	1955			
25	1.66	42	1983			
26	0.65	17	1982			
27	1.34	34	1973			
28	0.70	18	1955			
29	0.70	18	1964			
30	0.84	21	1953			
31						
Monthly	2.40	61	1953	4.8	102	1959

* 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, NORTH CAROLINA

DAILY EXTREME AMOUNTS

[illegible] | C ANTICO, VA | 1 [illegible]-1976 1982-198[illegible]
STATION | STATION NAME | YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1[illegible]	3[illegible]	1976			
2	1.4[illegible]	[illegible]8	1949			
3	0.7[illegible]	20	1972			
4	.9[illegible]	23	1958			
5	.2[illegible]	6	1958			
6	.5[illegible]	14	1953			
7	1.[illegible]2	3[illegible]	1949			
8	1.[illegible]9	51	196[illegible]			
9	.77	[illegible]	1974			
10	0.2[illegible]	7	1945*			
11	.[illegible]5	1[illegible]	1961			
12	1.3[illegible]	34	197[illegible]			
13	1.[illegible]5	42	1971			
14	0.[illegible]3	21	1946			
15	0.[illegible]2	24	1950			
16	1.[illegible]8	47	1943			
17	1.1[illegible]	29	1945			
18	.6[illegible]	17	1946			
19	1.1[illegible]	29	1953			
20	1.22	31	1971			
21	.[illegible]1	21	195[illegible]			
22	.4[illegible]	12	196[illegible]			
23	.60	15	1951			
24	.[illegible]0	23	1973			
25	.[illegible]7	7	1947			
26	1.[illegible]	35	1962			
27	.[illegible]7	22	1968			
28	.12	28	1960			
29	1.[illegible]4	39	1971			
30	1.41	36	1971			
31	1.00	25	1971			
Monthly	1.[illegible]9	[illegible]1	1967			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.[illegible]9	15	1958			
2	2.[illegible]5	72	1960			
3	2.31	5[illegible]	1963			
4	0.3[illegible]	[illegible]	1946			
5	1.21	31	1957			
6	0.62	16	1972			
7	[illegible].[illegible]5	24	1963			
8	0.85	22	1951			
9	0.93	24	1951			
10	1.[illegible]9	3[illegible]	1945			
11	[illegible].11	54	1955			
12	1.20	3[illegible]	1968			
13	1.68	43	196[illegible]			
14	2.43	62	196[illegible]			
15	1.[illegible]8	27	1948			
16	0.51	13	1948			
17	0.80	20	1949			
18	0.[illegible]4	24	1976			
19	0.[illegible]5	17	1948			
20	1.12	28	1958			
21	5.01	127	19[illegible]			
22	2.65	67	1951			
23	1.43	36	1974			
24	1.[illegible]3	34	1964			
25	0.25	7	1957			
26	0.[illegible]2	13	1975			
27	0.[illegible]4	24	1973			
28	2.[illegible]6	68	1953			
29	0.[illegible]7	22	1949			
30	0.[illegible]5	14	1951			
31						
Monthly	5.01	127	1972			

* 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, NORTH CAROLINA

DAILY EXTREME AMOUNTS

: 77: | QUANTICO, VA | 1[illegible]-1976 1982-1983
STATION | STATION NAME | YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	[illegible]	1973			
2	[illegible]	70	1968			
3	[illegible]	10	1965			
4	[illegible]	43	1956			
5	[illegible]	34	1945			
6	[illegible]	26	1971			
7	[illegible]	21	1976			
8	[illegible]	35	1952			
9	[illegible]	31	1970			
10	[illegible]	13	1959			
11	[illegible]	32	1975*			
12	[illegible]	50	1959			
13	[illegible]	93	1975			
14	[illegible]	33	1967			
15	[illegible]	50	1950			
16	[illegible]	20	1952			
17	[illegible]	32	1956			
18	[illegible]	61	1954			
19	[illegible]	17	1947			
20	[illegible]	38	1950			
21	[illegible]	29	1957			
22	[illegible]	32	1956			
23	[illegible]	36	1948			
24	[illegible]	56	1955			
25	[illegible]	13	1961			
26	[illegible]	31	1974			
27	[illegible]	15	1960			
28	[illegible]	57	1969			
29	[illegible]	44	1959			
30	[illegible]	21	1965			
31	[illegible]	33	1948			
Monthly	[illegible]	93	1975			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	47	1948			
2	[illegible]	47	1977			
3	[illegible]	35	1960			
4	[illegible]	54	1971			
5	[illegible]	35	1954			
6	[illegible]	46	1946			
7	[illegible]	20	1962			
8	[illegible]	46	1959			
9	[illegible]	13	1959			
10	[illegible]	15	1954			
11	[illegible]	51	1948			
12	[illegible]	112	1955			
13	[illegible]	40	1960			
14	[illegible]	28	1974			
15	[illegible]	22	196[illegible]			
16	[illegible]	24	1952			
17	[illegible]	18	1974			
18	[illegible]	49	1949			
19	[illegible]	73	1949			
20	[illegible]	41	1947			
21	[illegible]	64	1973			
22	[illegible]	31	1946			
23	[illegible]	37	1961			
24	[illegible]	119	1958			
25	[illegible]	89	1957			
26	[illegible]	29	1961			
27	[illegible]	111	1971			
28	[illegible]	17	1949			
29	[illegible]	23	195[illegible]			
30	[illegible]	18	1975			
31	[illegible]	46	1952			
Monthly	[illegible]	119	1958			

* 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, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
13737	QUANTICO, VA	1948-1976 1978-1978 9999-9999

SEPTEMBER
MONTH

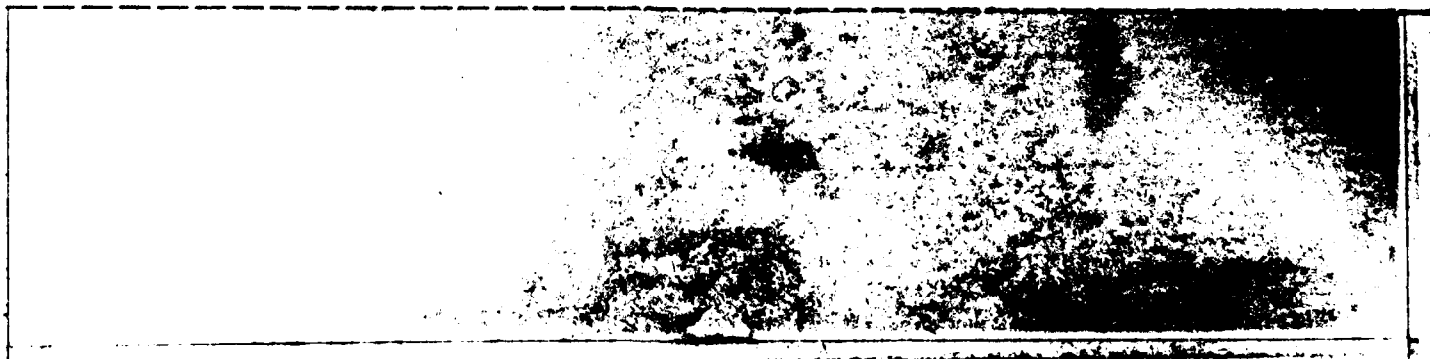
DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	47	1959			
2	0.90	23	1951			
3	1.87	47	1974			
4	0.35	9	1962			
5	0.92	24	1953			
6	2.14	54	1974			
7	0.37	9	1948			
8	0.04	1	1969			
9	2.15	40	1957			
10	2.13	56	1968			
11	1.70	43	1967			
12	2.14	54	1967			
13	1.13	29	1983			
14	2.16	55	1966			
15	0.90	23	1963			
16	2.64	65	1976			
17	0.97	25	1945			
18	1.04	26	1975			
19	0.81	21	1960			
20	0.82	21	1946			
21	1.07	27	1966			
22	0.94	31	1952			
23	1.91	49	1975			
24	0.96	24	1975			
25	2.74	70	1975			
26	4.59	116	1975			
27	1.98	50	1956			
28	0.51	13	1959			
29	1.41	36	1964*			
30	1.76	42	1959			
31						
Monthly	4.59	116	1975			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.90	23	1958			
2	1.29	33	1973			
3	0.66	17	1976			
4	0.61	15	1956			
5	1.40	36	1949			
6	2.74	70	1959			
7	1.79	45	1965			
8	1.23	31	1955			
9	0.89	23	1976			
10	1.87	47	1971			
11	0.30	8	1951			
12	1.00	25	1983			
13	1.19	30	1983			
14	1.26	32	1955			
15	1.47	37	1970			
16	0.93	24	1964			
17	0.98	25	1975			
18	0.61	15	1966			
19	2.00	51	1966	T	T	1972*
20	3.03	77	1976			
21	1.57	40	1961			
22	1.35	34	1958			
23	1.10	28	1971			
24	2.37	60	1983			
25	1.26	32	1982			
26	0.46	12	1946			
27	0.18	5	1956			
28	1.53	39	1972			
29	3.44	87	1953			
30	0.83	21	1954			
31	0.25	6	1949			
Monthly	3.44	87	1953	T	T	1972*

* 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, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
1773	QUANTICO, VA	1945-1976 1978-1978 9999-9999

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.71	33	1956			
2	1.55	42	1951			
3	1.[illegible]	27	1962	T	T	1951
4	1.[illegible]	38	1970	T	T	1970
5	[illegible]	17	1962	T	T	1962
6	2.44	62	1963	16.7	424	1953
7	1.42	41	1951	0.1	3	1953
8	1.14	29	1972			
9	1.0[illegible]	27	1962			
10	[illegible]	19	1968	T	T	1968
11	2.41	61	1970			
12	1.47	37	1963	T	T	1974
13	[illegible]	10	1940	T	T	1975
14	1.[illegible]	41	1972	T	T	1969
15	1.[illegible]	41	1983	T	T	1976*
16	[illegible]	5	1983			
17	1.47	37	1956	T	T	1967
18	[illegible]	15	1962			
19	1.[illegible]	34	1972	0.4	10	1961
20	[illegible]	53	1952	1.6	41	1961
21	1.[illegible]	26	1952	T	T	1967
22	[illegible]	16	1945	0.2	5	1972
23	[illegible]	23	1963	T	T	1954*
24	1.[illegible]	37	1971	T	T	1971*
25	1.68	48	1983	3.[illegible]	76	1950
26	[illegible]	13	1951	T	T	1956*
27	[illegible]	7	1948	T	T	1953
28	[illegible]	21	1949	1.5	38	1950
29	1.34	34	1963	T	T	1976*
30	[illegible]	18	1972	6.[illegible]	152	1967
31						
Monthly	2.44	62	1963	16.7	424	1953

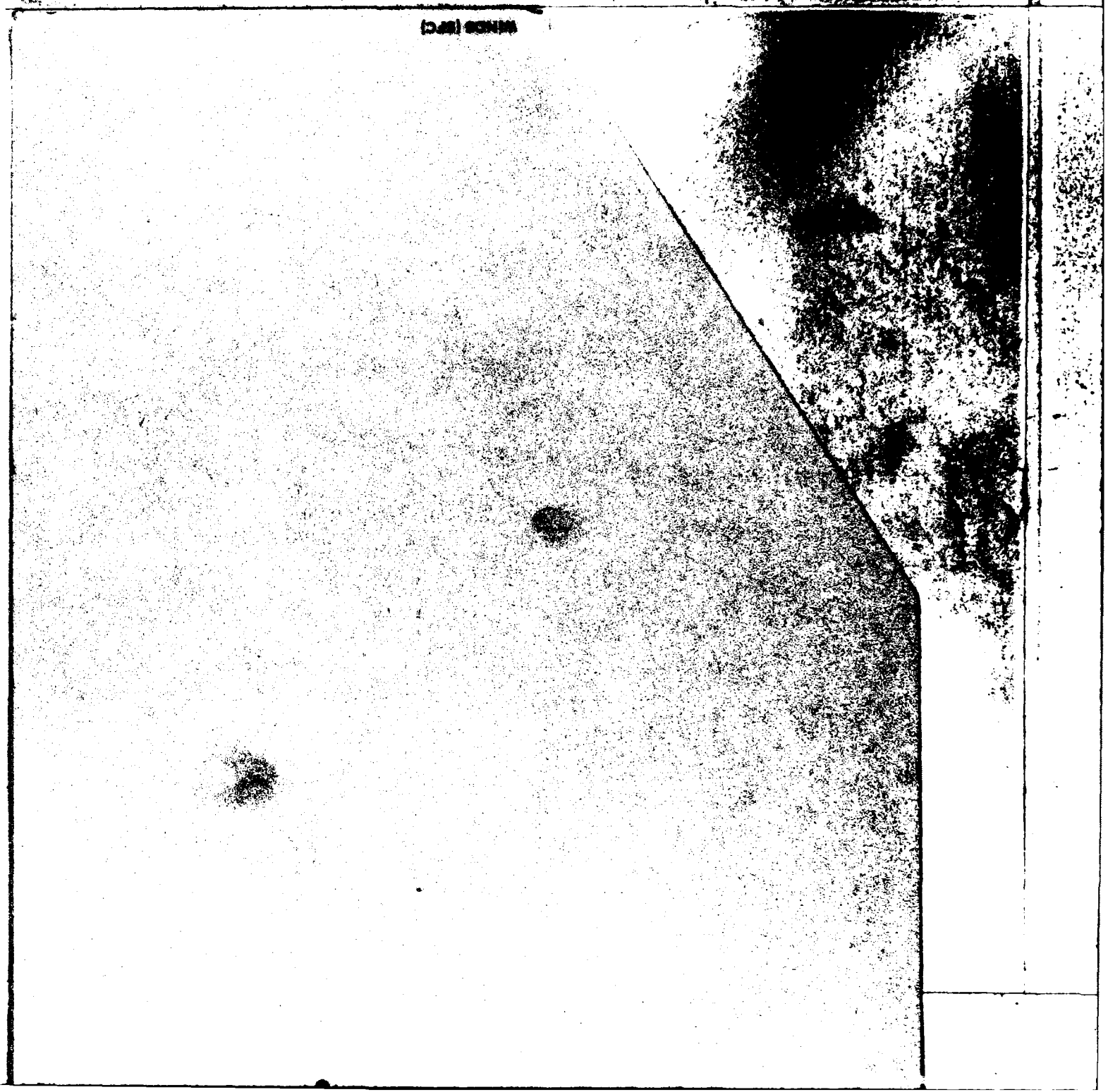
DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.40	61	1974	T	T	1956*
2	0.17	4	1968	T	T	1955*
3	1.42	36	1948	T	T	1969*
4	1.79	45	1950	6.8	173	1957
5	1.15	29	1973	T	T	1958*
6	0.91	23	1962	T	T	1962
7	1.29	33	1971	T	T	1975*
8	1.20	30	1972	T	T	1976*
9	1.15	29	1973	0.6	15	1961
10	1.59	40	1969	4.0	102	1950
11	0.42	11	1967	4.2	107	1960
12	1.22	31	1959	2.2	56	1967
13	1.23	31	1958	4.2	107	1966
14	0.88	22	1951	4.6	117	1951
15	1.02	26	1948	T	T	1973*
16	1.45	37	1974	3.3	84	1973
17	0.50	13	1973	3.5	89	1973
18	0.94	24	1951	5.1	130	1951
19	0.23	6	1945	3.5	89	1945
20	1.72	44	1957	1.7	43	1966
21	1.61	41	1973	4.9	124	1962
22	1.42	36	1969	0.3	8	1969*
23	0.87	22	1963	8.7	221	1963
24	0.87	22	1966	8.7	221	1966
25	1.42	36	1945	6.9	175	1962
26	1.17	30	1957	2.2	56	1947
27	1.12	28	1964	T	T	1968*
28	0.49	12	1967	1.9	48	1966
29	1.76	45	1958	1.8	46	1962
30	1.00	25	1969	T	T	1959
31	1.55	39	1975	3.3	84	1970
Monthly	2.40	61	1974	8.7	221	1966*

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

DIRNAVOCEANMET–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, NORTH CAROLINA

EXTREME VALUES

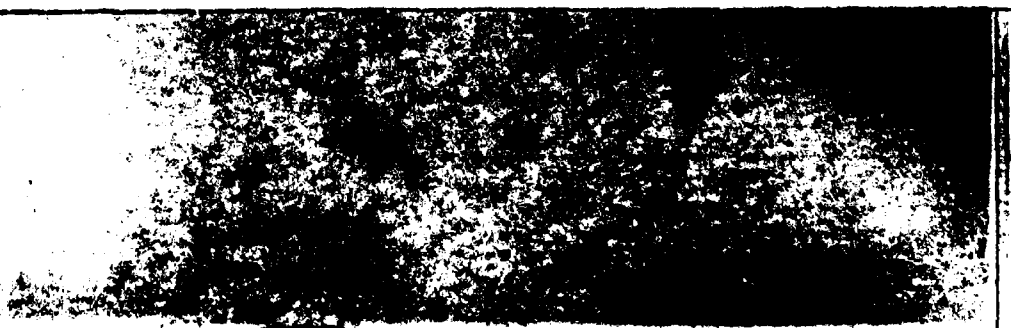
SURFACE WINDS
(FROM DAILY OBSERVATIONS)

13773 — STATION
[illegible], VA — STATION NAME
45-76, 78, 8? — YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45					44 W SW 38			NNW 39	NE 32	NW 29	W 36	NW	
46	32 NW	47 SW	40 NW 38	SE 41	SW 41	NW 43	W 37	NW	30 NW	36 NW	32	NW 45	47
47	SW 43	NW 38	W 56 W	38			SSW 48	NE 31	NW	31 E 32	W 41	NW 34	
	39 W	45 SW	44 NW	42 NW	40	NW 41	W 49	NE 34	37	NW 32	W 44	NW 46	49
	W 45	S 42	NW 50	S 45	49	E 36	NW 39	SE 66	NE 39	SW 27	NW 37		66
	W 43	38	NW 47	N 38	NW 32	30	W 40	NW 33		ESE 44	SE 51		
1			SW 44	NW	W 32		NW 63	NW 37	NW 30	NW 25	W 36	NW 34	
2		N 41	NW 47	W 36		N 35	W 40	SW 39	ESE 48	NW 47	E 52	NW 39	
3	NW 47	W 38	SW 44	SW 41	N 45	SW 43	S 46	SE 37	NW 38	NW 34	N 32	SW 46	47
4	W 42	NW 42	S 43	SW 37	W 31				NW 44	SE 62	W 39	NW 38	
5	W 37	NW 36	S 44			E 34	NE 38	N 40	NW 28		N	34	
56				N 42	NW 35	SW 29	N 29	W 32	NNE 36	NE 26	SSW 34	NW 34	
57	NW 45	NW 30	W 34	NW 42	NNW 28	S 38	W 36	NNE 22	W 24	NNW 33	S 34	S 36	44
58	NE 33	NW 39	NNW 29	SSE 38	NNW 65	SW 41	W 35	NW 37	NNW 31	NNW 34	NW 36	NNE 29	65
59	E 33	NW 39	W 33	N 33	SW 27	NNW 27	S 30	NNW 26	N 24	SW 19	NW 27	NW 26	43
60	NW 25	NW 39	N 34	NW 26	NW 32	SSW 21	NNW 17	SSW 30	N 33	NW 32	NW 34	NW 41	NW 43
61	NW 53	NW 43	NW 39	SSE 33	NW 33	NW 27	NW 28	NW 24	NE 27	NW 28	NW 41	NW 32	NW
62	NE 33	NW 33	NE 38	W 30	NW 33	NW 25	NW 40	NW 27	NW 31	W 33	S 42	W 36	
63	NW 34	N 31	S 31	NW 40	NW 38	NW 32	NW 25	NW 33	NW 26	NW 36	NW 36	NW 38	NW
64	W 33	NW 41	SW 50	SW 32	W 28	NW 27	NW 28	NW 22	W 28	NW 28	NW 32	NW 35	S
65	N 40	S 43	NW 33	NW 33	NW 27	NE 46	NW 32	NW 42	S 28	W 36	W 36	NW 37	NE 44
66	NW 39	NW 30	W 37	NW 29	N 33	W 42	NNE 34	NW 28	NW 25	N 39	NW 34	SSW 29	W 42
67	NW 39	NW 40	NW 44	N 36	NW 38	N 26	NW 41	N 28	N 32	NW 31	NW 35	NW 32	W 44
68	E 37	NW 40	NW 47	SW 30	E 27	S 44	N 28	N 32			S 43		
69	N 31	NW 37	NW 32	NW 32	S 27	S 40	NW 41	NW 39		N 29	NW 35	NW 30	
70	N 34	N 35	W 40	SW 38	NW 29	NW 29	NW 33	SSW 24	NW 32	NW 26	NW 27	NW 37	W 40
71	E 41	16 27	30 37	32 34	04 24	27 41	31 36	21 34	16 24	14 24	30 42	33 51	43 50
72	35 37	27 43	1 35	27 34	09 33	29 38	30 30	16 20	30 29	27 29	27 34	25 32	27 43
73	27 32	29 40	18 42	25 30	31 30	16 25	06 37	18 29	16 25	35 27	30 35	01 32	18 42
74	34 28	22 39	33 35	31 32	34 41	31 29	35 23	33 37	32 29	33 28	32 30	08 37	34 41
MEAN													
S.D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

13873	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	34 46	33 27	31 29	38 64	28 39	21 55						22 37	
76	31 29												
77													
78													
MEAN	37.5	37.3	39.3	37.7	35.1	35.1	36.0	33.1	31.2	31.7	36.3	36.5	46.3
S.D.	4.517	5.513	6.808	7.005	8.422	7.993	9.207	8.758	6.173	6.240	5.400	6.673	7.993
TOTAL OBS.	162	779	861	861	857	835	859	889	798	832	836	969	10218

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1773 — STATION
QUANTICO, VA — STATION NAME
45-76, 78, 80 — YEARS

DAILY PEAK GUSTS IN KNOTS
(BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH)

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		CAL					NNW 33						WINDS
				0			18						DAYS
47					NW 37	SE 17							WINDS
					31	5							DAYS
[illegible]									[illegible] 36	36			WINDS
									26	26			DAYS
51	3[illegible]	[illegible] E 39				SSW 45							WINDS
	27	23	18			27							DAYS
52	[illegible] 33												WINDS
	26												DAYS
54						NW 32	NW 48	N 50					WINDS
						24	19	25					DAYS
55				N 39	WSW 48					NE 14	NW 29		WINDS
				21	26					1	7		DAYS
56	[illegible] 45	NW 54	NW 40										WINDS
	25	22	26										DAYS
57										0	0		WINDS
													DAYS
58									[illegible] 10				WINDS
									1				DAYS
59							1[illegible] 35	25 29					WINDS
							5	1	0	0	0		DAYS
60		31 39					23 29	34 23		36 27	29 28	32 30	WINDS
		7	0	0	0	0	12	27	0	3	21	21	DAYS
78									07 10				WINDS
									1				DAYS
[illegible]		3[illegible] 31	25 28	33 45	35 23	35 23	29 30	08 34	22 19	36 37	33 35	35 26	WINDS
		19	23	20	20	21	21	16	21	20	17	22	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)

[illegible] | [illegible], VA | 6[illegible]-71,73-76 | JA[illegible]
STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	[illegible].1	2.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].4
NNE	.	.	.									1.[illegible]	[illegible].[illegible]
NE		.										.[illegible]	[illegible].[illegible]
ENE		.										.	[illegible].[illegible]
E		.										.[illegible]	[illegible].5
ESE													
SE	.[illegible]	.[illegible]										1.4	4.3
SSE	.	1.4	.[illegible]									[illegible].[illegible]	5.2
S	1.[illegible]	4.1	1.4	.5								7.8	[illegible].5
SSW	.[illegible]	2.3	.[illegible]	.9								5.1	6.9
SW	.[illegible]	.[illegible]										1.[illegible]	3.5
WSW	.[illegible]	.[illegible]										1.	3.[illegible]
W	4.[illegible]	.[illegible]	.[illegible]	.5								[illegible].[illegible]	[illegible].7
WNW	[illegible].1	1.[illegible]	1.[illegible]	1.4								[illegible].[illegible]	[illegible].[illegible]
NW	.5	[illegible].[illegible]	1.[illegible]	.5								1[illegible].4	[illegible].2
NNW	1.	[illegible].[illegible]	[illegible].1	.9	.5							1[illegible].4	6.5
VARBL													
CALM												23.[illegible]	
	2[illegible].[illegible]	1.[illegible]	1[illegible].[illegible]	5.5	.5							1 0.[illegible]	[illegible].1

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible], VA — 6[illegible]-71, 73-76 — JAN

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — [illegible] GMT

CLASS — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	4.1	4.1	.[illegible]								9.[illegible]	6.[illegible]
NNE	1.[illegible]		.[illegible]									[illegible].3	5.[illegible]
NE		.	.[illegible]									.[illegible]	[illegible].[illegible]
ENE		.	.[illegible]									.	[illegible].5
E	.[illegible]	.										1.[illegible]	3.7
ESE													
SE		.[illegible]	.[illegible]									.[illegible]	[illegible].5
SSE			.									.5	[illegible].[illegible]
S	.[illegible]	2.3	2.7									6.[illegible]	4.9
SSW	.	1.[illegible]	.[illegible]									[illegible].[illegible]	5.5
SW	.[illegible]	.	.[illegible]									1.[illegible]	[illegible].3
WSW		.[illegible]	.									1.[illegible]	[illegible].[illegible]
W	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]									.[illegible]	[illegible].6
WNW	[illegible].[illegible]	4.1	1.4	.[illegible]								[illegible].[illegible]	.4
NW	[illegible].5	6.[illegible]	.[illegible]	.[illegible]								14.[illegible]	[illegible].4
NNW	[illegible].[illegible]	1.[illegible]	2.3	.[illegible]	.[illegible]							[illegible]1.1	5.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	3[illegible].4	27.[illegible]	17.1	3.[illegible]	.5							1[illegible].[illegible]	[illegible].-

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) | [illegible]VILLE, VA (STATION NAME) | 6[illegible]-71,73-77 (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.[illegible]	[illegible]	1.3	.4								[illegible]	.1
NNE	.[illegible]	.[illegible]	.[illegible]									2.1	4.6
NE		.[illegible]	.[illegible]									1.3	.[illegible]
ENE		.[illegible]	.[illegible]									1.3	.7
E	.[illegible]	.[illegible]										1.[illegible]	4.[illegible]
ESE	.[illegible]	.[illegible]										.[illegible]	.[illegible]
SE		.[illegible]										.[illegible]	.[illegible]
SSE	.[illegible]											.4	3.[illegible]
S	[illegible]	2.1	.[illegible]									[illegible]	4.3
SSW	.[illegible]	2.1	.[illegible]									[illegible].4	[illegible]
SW	.[illegible]		.[illegible]									1.[illegible]	5.[illegible]
WSW	.[illegible]	.[illegible]	.4									[illegible]	.3
W	[illegible]	[illegible]	.[illegible]	.4								[illegible]	4.[illegible]
WNW	[illegible]	[illegible]	.[illegible]	.[illegible]								[illegible]	4.5
NW	.[illegible]	[illegible]	2.1	.4								14.[illegible]	4.3
NNW	[illegible]	[illegible]	[illegible]	.4	.4							11.[illegible]	.6
VARBL													
CALM												[illegible].2	
	[illegible]	[illegible].2	13.[illegible]	2.[illegible]	.4							1[illegible].[illegible]	[illegible].7

TOTAL NUMBER OF OBSERVATIONS [illegible]

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]73	[illegible], VA	67-71,73-75	JAN

CLASS: ALL WEATHER

HOURS (L.S.T.): 1[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		3.[illegible]	1.[illegible]	1.4								[illegible].4	[illegible].7
NNE	.[illegible]	1.[illegible]	1.2									[illegible].1	6.[illegible]
NE	.[illegible]	1.[illegible]	.[illegible]									[illegible].7	4.7
ENE	.2											1.2	2.[illegible]
E	.2	1.2										[illegible].3	3.[illegible]
ESE	.[illegible]	1.[illegible]										[illegible].[illegible]	3.9
SE	.[illegible]	2.[illegible]										3.[illegible]	4.4
SSE	1.[illegible]	.[illegible]	1.2									[illegible].[illegible]	[illegible].[illegible]
S	3.[illegible]	4.7	4.3									12.[illegible]	5.5
SSW	1.[illegible]	2.[illegible]										4.7	[illegible].8
SW			.[illegible]	.4								[illegible].3	1.[illegible]
WSW	.[illegible]	.[illegible]	1.2	.4								2.[illegible]	7.[illegible]
W	1.[illegible]	1.[illegible]	[illegible].1	.8								7.[illegible]	[illegible].[illegible]
WNW	1.[illegible]	.[illegible]	1.2	.4	.4							4.3	[illegible].6
NW	1.[illegible]	2.[illegible]	2.7	.8								[illegible].1	[illegible].2
NNW	3.[illegible]	[illegible].[illegible]	[illegible].1	2.3	.4							13.[illegible]	6.[illegible]
VARBL													
CALM												[illegible].7	
	[illegible].[illegible]	3[illegible].[illegible]	22.1	6.6	.8							1[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible], VA — [illegible]-71,73-78 — JAN

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 1?

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]	?.3	?.1	1.[illegible]								?.?	[illegible].2
NNE	1.[illegible]	.[illegible]	.	.[illegible]								3.[illegible]	[illegible].4
NE		.	.[illegible]									1.2	[illegible].3
ENE	1.2	1.	.[illegible]									[illegible].[illegible]	4.1
E	1.[illegible]	1.2		.4								[illegible].1	4.4
ESE		.										.[illegible]	6.[illegible]
SE	1.2	1.	1.[illegible]									4.?	[illegible].1
SSE	1.[illegible]	[illegible].1	.4	.4								7.8	4.5
S	.[illegible]	[illegible].2	2.?									15.2	4.3
SSW		[illegible].2	1.[illegible]	.4								3.1	6.[illegible]
SW		1.	.4		.4							2.?	?.1
WSW		1.	.[illegible]	.4								2.?	?.4
W		?.3	?.1	.4								5.[illegible]	?.1
WNW	.[illegible]	4.?	[illegible].?	3.[illegible]		.4						14.[illegible]	[illegible].4
NW	1.2	1.[illegible]	1.[illegible]	2.3								?.[illegible]	[illegible].2
NNW		?.[illegible]	2.3	1.[illegible]								?.[illegible]	[illegible].[illegible]
VARBL													
CALM												[illegible].?	
	1.[illegible]	37.[illegible]	2[illegible].?	11.7	.4	.4						1[illegible].[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] STATION NAME: [illegible] YEARS: 71,73-75 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	.	.	[illegible]	1.2								.	.
NNE	.	2.										.	[illegible].1
NE	1.	3.	.									4.1	4.7
ENE	.2	1.2										2.	[illegible].3
E		.	.									1.	[illegible].3
ESE	1.											1.	2.3
SE	1.	1.	.									3.	4.
SSE	.	2.	1.									[illegible].1	4.
S	[illegible]	[illegible]	[illegible]	.6								11.	4.
SSW	.	2.	1.									4.	[illegible].
SW	.	.	2.									[illegible].5	7.1
WSW	.	.	.									1.	.5
W	.	2.	2.	.4								4.	[illegible].3
WNW	.	[illegible]	[illegible].3	2.5	.4							[illegible].	[illegible].
NW	.	1.	2.5	.3								5.	7.
NNW	.	1.	[illegible].1	1.2								[illegible].	7.
VARBL													
CALM												[illegible].	
	[illegible]	[illegible]	27.	5.6	.4							[illegible].	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]2-4

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS (LST) 1

CONDITION _____

SPEED (KNTS) DIR.	1 - 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.	.								.	.
NNE		1.										1.	.
NE		.										1.	.
ENE													
E	.	1.	.									.	.
ESE	1.	1.	.									.	.
SE	.	1.										.	.
SSE		.	.									.	.
S	.	2.	1.									.	.
SSW	.	2.	1.									.	.
SW	.		.									.	.
WSW	.	1.	1.									.	.
W	.	1.		.								.	.
WNW	1.	2.	1.	.								.	.
NW	.	2.	1.	.								.	.
NNW	.	3.	.									2.	.
VARBL													
CALM												.	
	1.	32.	14.	2.								.	.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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	.											.	
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

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]	[illegible]	65-71,73-78	JAN

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	.	[illegible]	[illegible]	1.[illegible]								7.	.7
NNE	.	1.[illegible]	.[illegible]	.1								[illegible]	5.1
NE	.	1.1	.[illegible]									1.[illegible]	[illegible]
ENE	.	.[illegible]	.[illegible]									1.	4.1
E	.[illegible]	1.	.[illegible]	.1								1.	4.[illegible]
ESE	.	.[illegible]	.1									1.[illegible]	[illegible]
SE	.[illegible]	1.[illegible]	.[illegible]									2.	4.7
SSE	1.1	1.	.[illegible]	.1								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	.[illegible]								[illegible]	4.[illegible]
SSW	.	[illegible]	.[illegible]	.[illegible]								[illegible]	[illegible]
SW	.	.[illegible]	1.1	.1	.1							.[illegible]	.7
WSW	.	1.[illegible]	.[illegible]	.1								[illegible]	[illegible]
W	[illegible]	[illegible]	1.[illegible]	.4								[illegible]	.[illegible]
WNW	[illegible]	[illegible]	[illegible]	1.4	.1	.1						[illegible]	.7
NW	.	[illegible]	1.	1.[illegible]								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	1.1	.[illegible]							[illegible]	.[illegible]
VARBL													
CALM												1.	
	[illegible]	[illegible]	[illegible]	[illegible].6	.4	.1						[illegible]	[illegible].4

TOTAL NUMBER OF OBSERVATIONS [illegible]9

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / [illegible], VA / [illegible]-71,73-76 / [illegible]
STATION / STATION NAME / YEARS / MONTH

ALL WEATHER / [illegible]
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]	[illegible]	1.[illegible]	1.[illegible]								[illegible]	[illegible]
NNE		[illegible]	2.[illegible]									[illegible]	[illegible]
NE	1.[illegible]	[illegible]	[illegible]									[illegible]	4.4
ENE	[illegible]	1.[illegible]										1.[illegible]	4.3
E		[illegible]	[illegible]									[illegible]	.5
ESE	[illegible]											1.[illegible]	2.3
SE	[illegible]	1.[illegible]										1.[illegible]	4.[illegible]
SSE		[illegible]		[illegible]								1.5	[illegible]
S	[illegible]	1.5	1.[illegible]									[illegible].6	4.[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible].3
SW	[illegible]	1.[illegible]	[illegible]									2.[illegible]	4.4
WSW		[illegible]										1.[illegible]	[illegible]
W	4.[illegible]	2.[illegible]	1.[illegible]	.5	.5							[illegible].1	[illegible].1
WNW	[illegible].1	1.[illegible]	1.[illegible]	.5	.5							[illegible]	4.5
NW	.[illegible]	1.[illegible]	4.1	1.[illegible]	.5							11.2	[illegible]
NNW	1.[illegible]	4.[illegible]	3.[illegible]	1.[illegible]								[illegible]	[illegible].4
VARBL													
CALM												27.[illegible]	
	2.4	23.[illegible]	1[illegible].9	5.6	1.5							1 0.[illegible]	4.3

TOTAL NUMBER OF OBSERVATIONS 1[illegible]7

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | 67-71,73-76 | FEB
STATION | STATION NAME | YEARS | MONTH

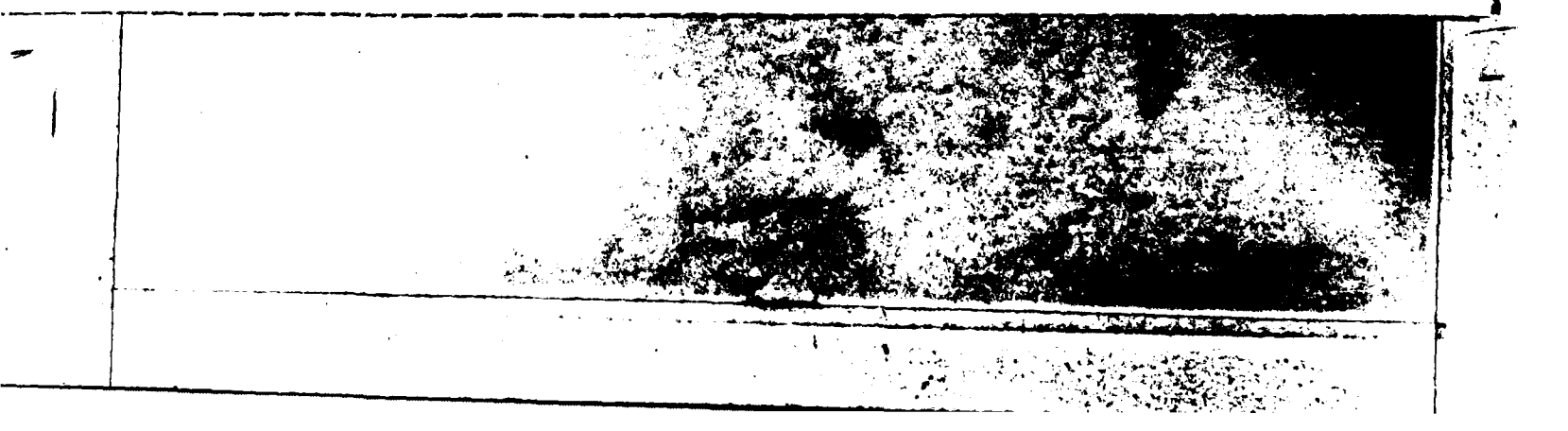
ALL WEATHER | 01
CLASS | HOURS (L.S.T.)

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]	[illegible]		[illegible]								[illegible]	[illegible]
NNE		[illegible]	[illegible]									[illegible]	[illegible]
NE	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE		[illegible]	[illegible]									[illegible]	[illegible]
SE													
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW		[illegible]	[illegible]									[illegible]	[illegible]
WSW	[illegible]	[illegible]										[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) [illegible], VA (STATION NAME) 65-71, 73-77 (YEARS) FEB (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	1.0	3.5	1.0	.5								7.0	[illegible]
NNE		1.0	1.0	.5								2.5	[illegible]
NE		.0	.0									2.0	5.6
ENE	1.0	1.5	.5									3.0	3.9
E	1.0	.5										1.0	3.0
ESE	.0		.0									1.0	3.5
SE													
SSE	1.0											1.0	2.7
S	3.0	1.5	.5									5.5	3.5
SSW	.5	3.0	2.0	.5								7.0	4.7
SW		1.0										1.0	3.5
WSW		.0	1.0									2.0	5.2
W	1.0	1.0	.5	1.5								5.5	6.5
WNW	1.0	2.0	2.0	1.0								6.0	5.7
NW	.5	5.0	2.0	1.5	.5							15.5	5.4
NNW	3.0	5.5	3.5	1.5								14.0	6.2
VARBL													
CALM												11.0	
	22.0	30.5	16.0	7.0	.5							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2[illegible]

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]73	[illegible]TICO, VA	60-71,73-78	FEB

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 10

SPEED (KNTS) DIR.	1 - 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].4	[illegible].[illegible]	1.7		.4						[illegible].9	[illegible].[illegible]
NNE		[illegible].[illegible]	1.[illegible]									[illegible].[illegible]	5.6
NE	.	1.[illegible]	[illegible].1									4.[illegible]	6.1
ENE	.[illegible]	[illegible].[illegible]										[illegible].4	4.5
E	[illegible].4	1.7	.[illegible]									5.6	[illegible].3
ESE	.[illegible]	.[illegible]										1.[illegible]	[illegible].3
SE	.[illegible]	2.[illegible]										[illegible].4	[illegible].9
SSE	1.[illegible]	[illegible].	1.[illegible]	.4								6.[illegible]	[illegible].6
S	[illegible].	[illegible].[illegible]	[illegible].	.4								11.2	5.7
SSW	.	1.[illegible]	.[illegible]									[illegible].[illegible]	4.7
SW	.[illegible]	1.[illegible]	2.1									[illegible].	[illegible].2
WSW		.	.[illegible]									1.[illegible]	[illegible].5
W	.[illegible]	[illegible].[illegible]	.[illegible]	1.3								[illegible].	[illegible].3
WNW	1.[illegible]	.4	[illegible].[illegible]	1.7	.4	.[illegible]						[illegible].	10.[illegible]
NW	1.[illegible]	1.[illegible]	5.[illegible]	[illegible].4	.4							11.6	9.3
NNW	.[illegible]	[illegible].[illegible]	[illegible].4	[illegible].								[illegible].	[illegible].
VARBL													
CALM												[illegible].7	
	1[illegible].7	[illegible]2.6	[illegible].	12.[illegible]	.[illegible]	.[illegible]						1[illegible].	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]2[illegible]3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 (STATION) [illegible]RICO, VA (STATION NAME) 68-71,73-76 (YEARS) [illegible] (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	.4	.	3.4	1.3	.4							[illegible]	7.1
NNE	.	3.	.									4.3	4.9
NE	.	2.4	1.3									4.3	5.7
ENE	.	1.3	1.7									3.4	6.1
E	.	3.4										3.	4.8
ESE	.	1.3										2.1	3.4
SE	1.	1.3	.									3.4	5.0
SSE	.	2.1	2.1	.4								5.5	6.2
S	.4	1.2	3.	1.3								17.3	5.4
SSW	.	1.3	1.	.9								4.3	7.7
SW		.		.								1.3	8.3
WSW	.		1.3	.9								3.0	5.4
W	.	2.1	3.	.4	.4							6.4	8.3
WNW		2.	3.	3.0	1.3							9.6	10.3
NW	.	2.6	2.6	3.0	1.7							10.2	10.2
NNW	.	3.	4.3	.4								8.1	7.1
VARBL													
CALM												4.3	
	11.1	32.3	29.4	12.3	3.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 233

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) | QUANTICO, VA (STATION NAME) | [illegible]-71,73-79 (YEARS) | [illegible] (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]	1.[illegible]	4.[illegible]									6.[illegible]	6.[illegible]
NNE	[illegible]	2.[illegible]	1.[illegible]									4.1	[illegible].4
NE	[illegible]	1.[illegible]	2.[illegible]									4.[illegible]	6.9
ENE		[illegible]	1.[illegible]									2.[illegible]	[illegible].1
E		[illegible]	[illegible]									[illegible]	[illegible].[illegible]
ESE		1.[illegible]	[illegible]									2.[illegible]	5.7
SE	[illegible]	[illegible]	[illegible]									1.4	5.7
SSE	[illegible].[illegible]	[illegible].[illegible]	[illegible]									6.[illegible]	4.3
S	[illegible].[illegible]	[illegible].[illegible]	4.1									13.4	5.2
SSW		[illegible]	4.1	1.4								7.8	[illegible].[illegible]
SW		[illegible]	1.4	[illegible]								3.[illegible]	[illegible].1
WSW		[illegible]	[illegible]									1.	7.[illegible]
W	1.[illegible]	1.	2.3	.9	.5							6.[illegible]	7.8
WNW		[illegible]	[illegible].[illegible]	2.[illegible]								[illegible].[illegible]	[illegible].8
NW	[illegible]	[illegible].[illegible]	5.1	3.[illegible]	.9							12.4	[illegible].3
NNW		[illegible]	[illegible]	2.[illegible]								[illegible].[illegible]	9.[illegible]
VARBL													
CALM												5.[illegible]	
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	12.[illegible]	1.4							1 0.[illegible]	[illegible].1

TOTAL NUMBER OF OBSERVATIONS [illegible]17

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) [illegible], VA (STATION NAME) 69-71,73-78 (YEARS) [illegible] (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	.	[illegible]	1.3	1.5								[illegible]	7.2
NNE		.		.5								2.[illegible]	7.4
NE	.	1.[illegible]										[illegible]	4.3
ENE		1.[illegible]	1.5									[illegible]	6.5
E		.										.[illegible]	[illegible]
ESE	.		.[illegible]									1.[illegible]	[illegible]
SE	.	1.[illegible]	1.[illegible]									3.[illegible]	5.6
SSE	.	1.5	.5									4.[illegible]	3.[illegible]
S	.	4.5	7.[illegible]									11.4	4.5
SSW	.	2.5	1.	.5								5.[illegible]	5.2
SW	.	2.[illegible]	.[illegible]	1.[illegible]								4.5	6.2
WSW	1.											1.[illegible]	2.[illegible]
W	.	.[illegible]	.5	1.5								3.5	[illegible].1
WNW	2.[illegible]	3.	.[illegible]	1.5								7.4	5.9
NW	.	1.[illegible]	2.5	2.5								6.[illegible]	9.3
NNW	3.[illegible]	6.4	2.[illegible]	1.5								14.4	6.2
VARBL													
CALM												[illegible]2.3	
	[illegible].[illegible]	31.2	15.[illegible]	10.4								1[illegible]0.0	4.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible]TIC[illegible], VA | [illegible]-71,73-76 | FEB
STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.[illegible]	4.1	.[illegible]	1.[illegible]								7.1	5.[illegible]
NNE	1.[illegible]		.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].[illegible]
NE		[illegible].	1.[illegible]									4.[illegible]	5.4
ENE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	5.3
E		1.[illegible]										1.[illegible]	4.[illegible]
ESE	.[illegible]	1.										1.[illegible]	4.3
SE		1.										1.[illegible]	[illegible].5
SSE	.[illegible]	1.	1.[illegible]	.5								3.[illegible]	7.4
S	1.	4.1	2.[illegible]									7.[illegible]	[illegible].3
SSW		[illegible].	2.[illegible]									[illegible].6	[illegible].2
SW			.[illegible]									.5	[illegible].0
WSW		1.	.[illegible]									1.	[illegible].3
W	[illegible].	4.[illegible]	1.[illegible]	.5	.5							[illegible].[illegible]	[illegible].1
WNW	[illegible].	3.[illegible]	1.[illegible]	1.[illegible]								7.[illegible]	[illegible].8
NW	[illegible].6	4.1	3.[illegible]	1.[illegible]								[illegible].2	[illegible].4
NNW	1.[illegible]	[illegible].	4.[illegible]	2.[illegible]								11.2	[illegible].5
VARBL													
CALM												[illegible].[illegible]	
	1[illegible].5	[illegible].[illegible]	1[illegible].3	[illegible].6	.5							1[illegible].[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible].7

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / STATION — [illegible]ICO, VA / STATION NAME — [illegible]-71,73-78 / 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	[illegible]0	[illegible]	2.1	1.[illegible]	.1	.1						7.4	[illegible]
NNE	.[illegible]	1.6	1.1	.2								[illegible].2	6.2
NE	.[illegible]	1.[illegible]	1.1	.1								3.[illegible]	5.7
ENE	.[illegible]	1.[illegible]	.									[illegible].	5.4
E	.[illegible]	1.2	.[illegible]									[illegible].1	4.1
ESE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.4
SE	.[illegible]	1.	.[illegible]									1.[illegible]	4.9
SSE	1.2	1.[illegible]	.[illegible]	.2								3.[illegible]	5.[illegible]
S	[illegible].[illegible]	4.5	3.3	.[illegible]								10.[illegible]	5.2
SSW	.	2.2	1.	.[illegible]								5.[illegible]	[illegible].
SW	.[illegible]	1.	.[illegible]	.4								2.4	[illegible].
WSW	.[illegible]	.	.[illegible]	.1								[illegible].[illegible]	5.7
W	1.	2.[illegible]	1.3	.[illegible]	.2							6.[illegible]	[illegible].
WNW	[illegible].[illegible]	2.2	2.4	1.7	.3	.1						[illegible].[illegible]	7.2
NW	[illegible].	2.	3.[illegible]	2.3	.6							12.[illegible]	[illegible].
NNW	1.[illegible]	3.[illegible]	4.[illegible]	1.6								10.	7.3
VARBL													
CALM												15.4	
	1[illegible].7	31.[illegible]	23.[illegible]	[illegible].2	1.2	.1						[illegible]0.[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]67[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-76 | [illegible]
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | [illegible]
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]	[illegible]	.								6.	[illegible]
NNE	.		[illegible]									[illegible]	[illegible]
NE		[illegible]	.									[illegible]	[illegible]
ENE		[illegible]	.									[illegible]	[illegible]
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE	[illegible]	[illegible]										[illegible]	[illegible]
SE	.	.										.	[illegible]
SSE	.	[illegible]										[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	.								6.	[illegible]
SSW		.	[illegible]									[illegible]	.
SW	[illegible]	.	[illegible]	.								[illegible]	[illegible]
WSW	.	.										.	[illegible]
W	[illegible]	.	.									[illegible]	[illegible]
WNW	[illegible]	.	[illegible]	.								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	.								11.	[illegible]
NNW	.	[illegible]	[illegible]	[illegible]								[illegible]	.
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.	1.									4.	.
NNE	1.	1.	2.									.	.
NE	.	.	1.	1.								6.	.
ENE		.	.	.								.	.
E		.	.									1.	.
ESE	.	.	.	.								2.	.
SE	1.											1.	.
SSE	.	.	.									2.	1.
S	.	.	.	1.								.	.
SSW		.	.									.	.
SW	.	.	.									.	.
WSW	1.	.										1.	2.
W	.	.	.									.	.
WNW	.	.	.	.								.	.
NW	.	.	.	.								.	.
NNW	.	.	.	.								1.	.
VARBL													
CALM												14.	
	21.	3.	10.	.								.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS: ALL WEATHER | HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1 - 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	•4	•4							5•	7.9
NNE	•	1•	1•									4•	
NE	1•	2•	1•										•1
ENE	1•1	2•3										3•4	
E	•	2•3	•									3•	
ESE	1•1	•	•									2•3	4•3
SE	•1	3•1	2•3	•4								6•5	
SSE	3•3	1•	3•									8•	•6
S	3•	3•4	3•1	1•5								11•	•3
SSW			•	•3	•4							1•	12•4
SW		1•1	•	•4								2•3	3•7
WSW			•3									3•3	•7
W	•	3•3	3•4	1•5								7•7	7•9
WNW		3•1	5•4	2•3	•3							11•7	10•2
NW		1•	3•4	2•3	•4							7•5	
NNW		1•	3•3	3•4								8•	
VARBL													
CALM												4•	
	1••	2 •	37•3	13•3	1•3							10•3	3•3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] STATION | [illegible] STATION NAME | [illegible]-71,73-78 YEARS | [illegible] MONTH

ALL WEATHER CLASS | 1[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	1.2	.	1.2	.4								2.8	5.1
NNE	.	1.2	.	.4								2.0	5.0
NE	.	1.[illegible]	3.[illegible]									[illegible].0	6.3
ENE	.	.	1.2									1.6	5.4
E	.	1.7	.[illegible]									2.[illegible]	5.[illegible]
ESE	.[illegible]	2.1	1.2									[illegible].0	4.1
SE	.	.[illegible]	2.1									6.2	[illegible].[illegible]
SSE	.	.[illegible]	1.[illegible]									7.[illegible]	[illegible].3
S	.[illegible]	4.[illegible]	4.[illegible]	.4								12.[illegible]	5.7
SSW	.	1.2	1.2	.4								2.3	[illegible].4
SW		.	1.2									2.1	[illegible].8
WSW		.	1.2	.4								2.[illegible]	.3
W	.[illegible]	.4	2.[illegible]	.8								[illegible].7	7.[illegible]
WNW		.1	4.[illegible]	2.[illegible]	.4							[illegible].4	.7
NW	.	1.2	2.[illegible]	2.[illegible]								7.0	[illegible].6
NNW		.	[illegible].0	4.4								12.[illegible]	.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	1.[illegible]	[illegible].4	35.7	12.[illegible]	.4							1[illegible].[illegible]	6.

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-75 | [illegible]
STATION | STATION NAME | YEARS | MONTH

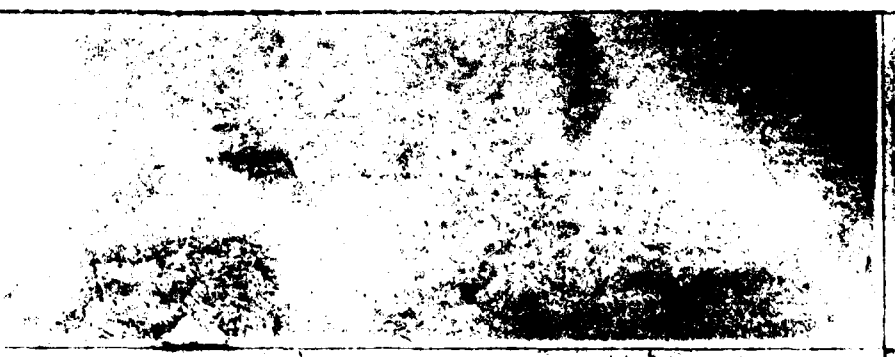
ALL WEATHER | 19
CLASS | HOURS (L.S.T.)

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]	[illegible]	4.1	.[illegible]								[illegible]	[illegible].5
NNE		[illegible]										2.3	4.[illegible]
NE	1.[illegible]	.[illegible]	.[illegible]									2.7	4.7
ENE	.[illegible]	1.[illegible]	.[illegible]									3.3	4.4
E	.[illegible]	1.[illegible]										1.[illegible]	4.[illegible]
ESE	1.[illegible]	1.[illegible]	1.[illegible]	.5								5.[illegible]	5.6
SE	1.[illegible]	2.[illegible]	1.4									5.[illegible]	4.7
SSE	.[illegible]	1.[illegible]	.[illegible]									3.2	5.[illegible]
S	.4	4.5	1.[illegible]									17.[illegible]	4.3
SSW	.	1.[illegible]										1.[illegible]	[illegible].[illegible]
SW	.	1.[illegible]	.[illegible]									2.3	5.[illegible]
WSW	.[illegible]	.[illegible]										1.4	2.7
W	1.[illegible]	.[illegible]	2.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].[illegible]
WNW		1.[illegible]	.[illegible]									2.[illegible]	6.3
NW	1.[illegible]	1.[illegible]	[illegible].5	.[illegible]								3.1	6.[illegible]
NNW	1.[illegible]	4.1	[illegible].[illegible]	2.3	.[illegible]							12.[illegible]	[illegible].[illegible]
VARBL													
CALM												1.[illegible]	
	.[illegible]	30.[illegible]	25.[illegible]	4.5	.5							1 0.[illegible]	4.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) | [illegible], VA (STATION NAME) | 65-71, 73-76 (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	1.[illegible]	2.3	2.	1.4								7.8	7.[illegible]
NNE	.[illegible]	2.2	.[illegible]									[illegible].[illegible]	4.[illegible]
NE	1.	2.[illegible]										4.	3.[illegible]
ENE		.	.[illegible]									1.[illegible]	7.
E	.[illegible]	.										1.[illegible]	4.[illegible]
ESE	.3	1.4										3.[illegible]	[illegible].3
SE	1.	1.		.[illegible]								4.1	4.[illegible]
SSE	1.[illegible]	3.2	.[illegible]									5.[illegible]	4.7
S	1.	[illegible].1	1.4	.5								[illegible].[illegible]	5.[illegible]
SSW	1.[illegible]		.[illegible]									1.[illegible]	4.5
SW		.		.[illegible]								1.4	[illegible].[illegible]
WSW	.	.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
W	[illegible].	.[illegible]	1.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].1
WNW	.2	[illegible].7	1.[illegible]	.9								[illegible].[illegible]	[illegible].[illegible]
NW	[illegible].1	4.1	6.									1[illegible].3	5.[illegible]
NNW	.[illegible]	[illegible].[illegible]	2.[illegible]	.[illegible]								7.[illegible]	6.[illegible]
VARBL													
CALM												1[illegible].[illegible]	
	2[illegible].[illegible]	3[illegible].[illegible]	1[illegible].[illegible]	5.1								1[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]17

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]	QUANTICO, VA	65-71,73-78	MAY

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	.4	2.0	2.3	.6	.1							5.3	6.7
NNE	.3	1.7	1.7	.2								3.	5.8
NE	.3	2.2	1.5	.2								4.	5.9
ENE	.5	1.5	1.2	.1								3.3	5.5
E	.3	1.2	.7									2.2	4.5
ESE	1.3	1.4	.6	.1								3.4	4.6
SE	1.	1.9	.5	.1								4.5	4.8
SSE	1.2	2.	1.4									5.2	5.1
S	3.	4.5	2.9	.6								10.	5.3
SSW	.3	1.	.5	.3	.1							2.6	7.4
SW	.3	.4	.9	.2								1.9	4.6
WSW	.3	.4	1.	.1								2.2	4.7
W	1.4	1.1	2.1	.5								5.1	5.
WNW	2.2	1.	2.3	1.7	.2							8.3	7.2
NW	2.	2.	4.1	1.6	.1							11.2	7.2
NNW	1.2	3.	4.	2.4	.1							11.	7.8
VARBL													
CALM												13.3	
	17.9	31.7	27.9	8.6	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1[illegible]9

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]3 (STATION) [illegible]TICO, VA (STATION NAME) [illegible]-71,73-76 (YEARS) APR (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.[illegible]	1.	2.4									[illegible].3	[illegible].
NNE	[illegible].	1.[illegible]										1.[illegible]	[illegible].
NE	.	1.[illegible]	1.4	.5								3.[illegible]	6.3
ENE		[illegible].										1.[illegible]	4.5
E			[illegible].									1.[illegible]	7.[illegible]
ESE	.[illegible]											.[illegible]	2.[illegible]
SE		1.[illegible]	.[illegible]									1.[illegible]	5.[illegible]
SSE		3.	1.									3.4	6.[illegible]
S	1.	3.[illegible]	1.[illegible]	1.4								[illegible].1	[illegible].7
SSW	1.	2.	1.	.5								[illegible].3	[illegible].[illegible]
SW	.[illegible]	.[illegible]	1.4	.[illegible]								2.[illegible]	.7
WSW	.		.[illegible]	.[illegible]								1.4	[illegible].
W	1.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	4.4
WNW	[illegible].	6.7	1.[illegible]									12.	4.4
NW	.[illegible]	[illegible].7	2.9	1.[illegible]								[illegible].[illegible]	[illegible].1
NNW	2.[illegible]	2.4	4.3	1.[illegible]								11.[illegible]	6.[illegible]
VARBL													
CALM												17.[illegible]	
	20.[illegible]	[illegible]5.1	20.[illegible]	6.2								[illegible]0.0	4.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: 72-71, 73-76 | MONTH: APR

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

CONDITION:

SPEED (KNTS) DIR.	1 - 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.[illegible]	1.[illegible]	1.4								[illegible].7	[illegible].6
NNE	.[illegible]	1.[illegible]	1.4									3.3	6.6
NE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.7
ENE	.	2.4		.[illegible]								[illegible].3	5.7
E		1.[illegible]										1.[illegible]	[illegible].5
ESE		.[illegible]										.[illegible]	6.[illegible]
SE	.[illegible]	.[illegible]										1.0	7.[illegible]
SSE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.7
S	[illegible].[illegible]	1.4	1.[illegible]	.[illegible]								[illegible].7	5.5
SSW	[illegible].[illegible]	.[illegible]	2.4									4.[illegible]	[illegible].3
SW	.[illegible]	.[illegible]	1.[illegible]									1.[illegible]	[illegible].5
WSW		.[illegible]		.[illegible]								1.[illegible]	10.[illegible]
W	3.	1.[illegible]	.[illegible]									[illegible].	3.5
WNW	[illegible].[illegible]	5.[illegible]	1.[illegible]									17.[illegible]	3.9
NW	4.[illegible]	6.[illegible]	2.[illegible]	.[illegible]	.3							14.	5.5
NNW	1.[illegible]	4.	1.4	1.4								[illegible].[illegible]	6.[illegible]
VARBL													
CALM												[illegible].1	
	[illegible].[illegible]	31.1	11.3	4.[illegible]	.[illegible]							1 0.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]3 [illegible], VA 5-71,73-78 APR.
STATION STATION NAME YEARS MONTH

ALL WEATHER 17
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]	1.[illegible]	2.[illegible]									4.[illegible]	6.[illegible]
NNE	.[illegible]	.[illegible]	.[illegible]	.[illegible]								1.[illegible]	[illegible].[illegible]
NE		1.[illegible]	1.[illegible]									[illegible].[illegible]	[illegible].4
ENE			1.[illegible]									1.4	[illegible].3
E	.[illegible]	.[illegible]										.[illegible]	[illegible].[illegible]
ESE	.[illegible]	1.4	.[illegible]									2.[illegible]	[illegible].[illegible]
SE	.[illegible]	.[illegible]										1.4	[illegible].7
SSE	1.[illegible]	.[illegible]										1.[illegible]	3.[illegible]
S	1.[illegible]	4.[illegible]	1.[illegible]	.9								[illegible].[illegible]	[illegible].[illegible]
SSW		1.[illegible]	1.[illegible]									3.7	6.[illegible]
SW	.[illegible]		.[illegible]	.[illegible]								1.[illegible]	[illegible].[illegible]
WSW	.[illegible]	.[illegible]	.[illegible]									2.3	5.[illegible]
W	[illegible].[illegible]	1.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].4
WNW	[illegible].2	6.5	1.[illegible]									[illegible]1.1	4.5
NW	[illegible].[illegible]	12.[illegible]	[illegible].[illegible]	2.3								[illegible]5.[illegible]	4.[illegible]
NNW	.[illegible]	[illegible].1	3.7	.9	.5							10.1	[illegible].3
VARBL													
CALM												12.[illegible]	
	2[illegible].5	3[illegible].[illegible]	18.4	5.1	.5							[illegible]0.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 [illegible] 3 — STATION
[illegible] NORFOLK, VA — STATION NAME
[illegible]-71,73-76 — YEARS
[illegible] — MONTH

ALL WEATHER — CLASS
1[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		•	2.[illegible]	2.[illegible]	.4							5.[illegible]	13.[illegible]
NNE	.[illegible]	2.	1.[illegible]	.4	.4							4.[illegible]	7.7
NE	•	2.[illegible]	1.[illegible]	.4								[illegible].3	[illegible].1
ENE	.[illegible]	[illegible].[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
E	.[illegible]	1.2	1.7									3.3	6.
ESE	•	.[illegible]	.4									1.[illegible]	4.[illegible]
SE	2.4	4.	1.[illegible]									[illegible].[illegible]	4.4
SSE	1.[illegible]	6.[illegible]	.4									[illegible].9	4.3
S	[illegible].[illegible]	5.7	[illegible].3	.[illegible]								17.4	5.8
SSW		[illegible].7	1.[illegible]	1.2								[illegible].1	[illegible].9
SW		.[illegible]	•									1.[illegible]	[illegible].[illegible]
WSW		.[illegible]	1.[illegible]	.4								2.4	[illegible].6
W	.[illegible]	2.	1.[illegible]	.8								5.[illegible]	7.1
WNW		2.	[illegible].[illegible]	1.2								[illegible].	7.[illegible]
NW		.[illegible]	5.[illegible]	2.4	.4	.4						[illegible]0.[illegible]	10.6
NNW	•	.4	[illegible].[illegible]	2.[illegible]								[illegible]0.[illegible]	[illegible].[illegible]
VARBL													
CALM												2.[illegible]	
	[illegible]7.2	3[illegible].2	3[illegible].[illegible]	12.[illegible]	[illegible].2	.4						[illegible]0.[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]

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]73	[illegible]TIC[illegible], VA	[illegible]-71,73-75	APR

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 1[illegible]

SPEED (KNTS) DIR.	1 - 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]	.4							[illegible].9	.9
NNE		.[illegible]	2.		.4							3.[illegible]	[illegible].[illegible]
NE	.[illegible]	1.2	2.									3.	8.7
ENE	.	.[illegible]	1.[illegible]	.[illegible]								3.[illegible]	.[illegible]
E	.[illegible]	1.2	.									2.[illegible]	6.[illegible]
ESE	.2	1.[illegible]										2.[illegible]	4.1
SE	.	[illegible].2	1.2									7.2	[illegible].3
SSE	.	[illegible].6	1.2	.4								7.2	[illegible].[illegible]
S	1.	2.	3.	2.4								15.[illegible]	5.6
SSW			[illegible].2	.[illegible]								4.	[illegible].3
SW		1.	1.[illegible]		.4							3.[illegible]	5.3
WSW		.[illegible]	1.[illegible]	.4	.[illegible]							3.[illegible]	[illegible].6
W		2.[illegible]	3.[illegible]	.8	.4							7.[illegible]	[illegible].9
WNW		[illegible].[illegible]	[illegible].[illegible]	1.2								[illegible].4	7.[illegible]
NW		1.2	4.4	3.6	.4							[illegible].[illegible]	11.[illegible]
NNW	.[illegible]	.	3.[illegible]	4.[illegible]		.[illegible]						[illegible].[illegible]	10.[illegible]
VARBL													
CALM												2.	
	[illegible].6	25.1	31.[illegible]	15.3	2.4	.4						1[illegible]0.[illegible]	7.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]4[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: [illegible]-71,73-7[illegible] | MONTH: AP[illegible]

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 1[illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.4	.[illegible]	.4							5.[illegible]	1[illegible].1
NNE	.[illegible]		.									1.[illegible]	[illegible].[illegible]
NE	.	.	1.[illegible]	.4								3.[illegible]	4.[illegible]
ENE	[illegible].[illegible]	2.[illegible]	1.[illegible]									[illegible].[illegible]	.
E	.[illegible]	1.[illegible]	.[illegible]									2.	[illegible].
ESE	.[illegible]	1.[illegible]	[illegible].[illegible]	.4								[illegible].[illegible]	[illegible].[illegible]
SE	.	[illegible].[illegible]	1.[illegible]									[illegible].[illegible]	[illegible].1
SSE	[illegible].	[illegible].1	2.[illegible]									7.[illegible]	4.[illegible]
S	.4	5.[illegible]	[illegible].	1.[illegible]								[illegible].[illegible]	[illegible].
SSW	.	.[illegible]	2.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].
SW		.	1.[illegible]	.4								2.	[illegible].
WSW		[illegible].		.[illegible]	.4							[illegible].[illegible]	[illegible].
W	.[illegible]	1.[illegible]	[illegible].1	3.1								7.	[illegible].
WNW	.[illegible]	1.[illegible]	[illegible].[illegible]	2.[illegible]								7.	.
NW	.	[illegible].[illegible]	.1	[illegible].1	.[illegible]							[illegible].[illegible]	.4
NNW	.	1.[illegible]	[illegible].[illegible]	.[illegible]	.[illegible]							[illegible].	.[illegible]
VARBL													
CALM												1.[illegible]	
	1.[illegible]	27.[illegible]	[illegible].[illegible]	1[illegible].4	[illegible].6							1 0.[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.	2.	1.	.5	.5								.7
NNE	1.	1.											
NE		1.	.										
ENE		.	.										
E	1.	1.	.										
ESE		1.	.										
SE	.	2.	1.										.6
SSE	1.			.									
S				.									
SSW	.	1.	1.										.
SW	1.	1.											
WSW	1.		1.										
W	1.	1.	.										
WNW	1.	.	2.	.5									
NW	.	1.	1.	2.	.5								17.
NNW		.			.								.4
VARBL													
CALM													
		33.	27.1		1.4								

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS (L S T) _____

CONDITION _____

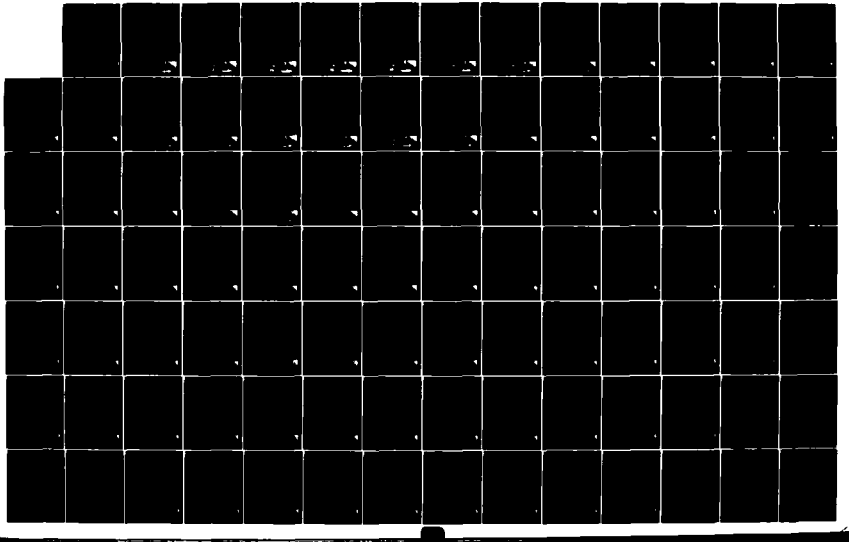
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

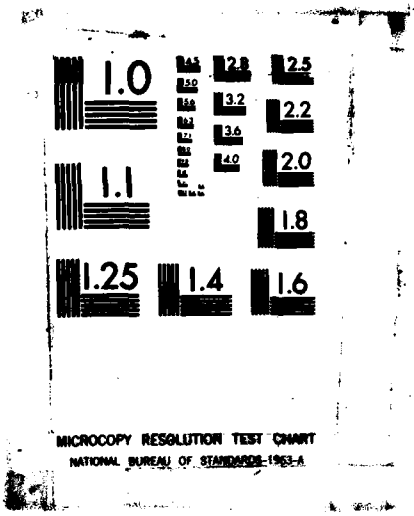
TOTAL NUMBER OF OBSERVATIONS _____

SMOS

AD-A150 445 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/1
QUANTICO VIRGINIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




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
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)

7 73	QUANTICO, VA	69-71,73-78	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	.5	1.2	2.3	.8	.2							5.1	5.1
NNE	.7	1.7	1.6	.1	.1							2.7	6.7
NE	.9	1.4	1.2	.2								3.8	6.2
ENE	.9	1.4	1.	.2								3.2	5.4
E	.7	1.	.6									2.	5.1
ESE	.5	1.	1.2	.1								2.9	6.1
SE	1.3	2.5	.8									4.3	5.1
SSE	1.4	3.2	.9	.1								5.5	4.9
S	2.7	5.7	3.1	1.2								12.5	6.1
SSW	.7	1.5	2.	.9								4.1	6.9
SW	.3	.7	.8	.2	.1							2.3	7.1
WSW	.4	.5	.8	.3	.1							2.1	7.4
W	1.7	1.9	1.5	.6	.1							5.6	6.1
WNW	2.2	3.9	2.3	.7								9.9	5.6
NW	2.8	4.6	3.2	2.3	.4	.1						14.2	7.2
NNW	1.5	2.3	3.5	2.1	.2	.1						9.7	8.4
VARBL													
CALM												10.1	
	17.8	34.2	28.9	9.2	1.2	.1						100.2	5.9

TOTAL NUMBER OF OBSERVATIONS 1777

5MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) 69-71,73-76 (YEARS) MAY (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.[illegible]	2.[illegible]										4.0	3.[illegible]
NNE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	6.[illegible]
NE		[illegible]	.[illegible]									2.[illegible]	5.2
ENE		1.[illegible]	1.[illegible]	.5								2.[illegible]	7.4
E	.[illegible]	1.[illegible]										1.[illegible]	4.[illegible]
ESE	[illegible]	1.[illegible]										2.0	3.8
SE	1.[illegible]	1.[illegible]	1.[illegible]									3.0	5.3
SSE		[illegible]	1.[illegible]	.5								5.[illegible]	6.8
S	1.[illegible]	4.5	4.[illegible]	2.[illegible]								12.[illegible]	7.2
SSW	1.[illegible]	2.[illegible]	3.[illegible]									6.5	5.9
SW	.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	5.[illegible]
WSW	1.[illegible]											1.[illegible]	2.[illegible]
W	[illegible]	2.[illegible]	1.[illegible]									5.[illegible]	4.1
WNW	4.5	6.5	.[illegible]									11.[illegible]	4.1
NW	[illegible]	7.[illegible]	2.[illegible]									14.5	4.5
NNW	[illegible]	3.[illegible]	1.[illegible]	.[illegible]								7.0	5.4
VARBL													
CALM												18.[illegible]	
	22.[illegible]	[illegible].0	17.[illegible]	3.5								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS [illegible]0

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13773 (STATION) QUANTICO, VA (STATION NAME) 69-71,73-76 (YEARS) MAY (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	.5	.5	1.4									2.3	6.5
NNE			.9									.5	10.0
NE		.5	.5	1.4								2.3	9.8
ENE			.9									.9	8.0
E	.5	1.4										1.9	3.6
ESE	.5	.9										1.4	3.5
SE	.5	.9	.5									1.9	5.4
SSE		.5	1.4									1.9	7.0
S	1.4	4.7	3.3									9.3	5.6
SSW		3.7	2.3									6.0	6.2
SW		.5										.9	5.0
WSW	.5	.5										1.4	4.0
W	.1	1.9	.9									3.7	3.2
WNW	.5	6.5	.5									13.0	3.5
NW	5.4	8.4	2.8									19.5	4.2
NNW	.9	2.8	2.3									6.0	6.0
VARBL													
CALM												20.9	
	20.6	34.9	17.2	1.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 215

5605

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) 68-71,73-78 (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.[illegible]	2.	2.[illegible]									5.6	5.4
NNE	.4	1.6	1.?									3.2	6.0
NE	1.2	1.2	1.2									3.6	5.0
ENE	1.2	2.4	.4									4.0	4.6
E	1.2	2.4	.4									4.0	4.4
ESE	.8											.8	2.5
SE	.4	1.6	.4									2.4	4.8
SSE	.[illegible]	.4	1.6	.4								3.2	6.4
S	2.4	4.[illegible]	4.4	.4								11.2	5.9
SSW	[illegible].[illegible]	1.6	3.6									8.0	5.8
SW	.[illegible]		.4									.[illegible]	4.5
WSW	.[illegible]	.8	.4									2.0	4.4
W	1.[illegible]	2.[illegible]	1.2									4.[illegible]	4.8
WNW	2.[illegible]	6.4	1.2	.8								10.[illegible]	5.0
NW	4.[illegible]	4.4	1.2	.6								10.4	4.8
NNW	[illegible].[illegible]	5.?	2.[illegible]									9.2	[illegible].0
VARBL													
CALM												16.0	
	24.0	36.0	21.6	2.4								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2[illegible]0

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17773 (STATION) QUANTICO, VA (STATION NAME) 69-71,73-78 (YEARS) MAY (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		3.6	3.1	1.2								7.7	7.9
NNE	.4	1.5	1.9	.4								4.2	7.2
NE	1.2	3.1	2.3									6.6	5.8
ENE	1.2	2.7										3.9	4.1
E	1.5	.8	1.5									3.9	5.5
ESE	.4	1.9										2.3	4.3
SE	1.6	4.6	1.9									8.1	5.4
SSE	3.9	5.4	3.1									12.0	5.4
S	4.2	7.3	7.7	.4								21.2	5.5
SSW	.8	1.5	2.3	.8								5.0	7.5
SW		.4	1.2									1.6	6.8
WSW			.4			.4						.8	17.5
W	.4	1.5										1.9	4.6
WNW	.4	.4	1.9	.8								3.5	6.3
NW		1.2	4.2	.8	.4							6.6	9.6
NNW	1.2	3.1	1.9	.8								6.9	6.2
VARBL													
CALM												3.5	
	14.2	41.3	33.2	5.0	.4	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 759

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
1[illegible]73	QUANTICO, VA	69-71,73-78	MAY

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	.[illegible]	1.2	2.[illegible]	.4								[illegible].1	7.[illegible]
NNE	.4	.[illegible]	1.2	.8								[illegible].1	7.6
NE	.[illegible]	1.9	1.6									4.3	5.9
ENE		3.[illegible]	1.7									4.[illegible]	5.8
E	1.2	2.[illegible]	.4									4.3	4.6
ESE	.[illegible]	2.[illegible]	1.2									4.[illegible]	5.3
SE	1.2	4.[illegible]	[illegible].1	.8								9.3	5.6
SSE	3.1	[illegible].2	6.7	1.2								18.[illegible]	6.[illegible]
S	3.[illegible]	7.4	5.4									16.3	5.6
SSW	.4		2.3									2.[illegible]	8.4
SW		1.2	.4	.8								1.[illegible]	7.6
WSW	.4	.4	1.6									2.3	[illegible].5
W	1.2	2.3	.4									[illegible].9	4.6
WNW		1.[illegible]	1.7		.4							4.3	[illegible].0
NW		2.[illegible]	3.[illegible]	.8								7.[illegible]	7.9
NNW	.4	.[illegible]	3.1	1.2								[illegible].4	8.8
VARBL													
CALM												1.[illegible]	
	14.[illegible]	42.4	36.2	5.1	.4							1[illegible].[illegible]	6.2

TOTAL NUMBER OF OBSERVATIONS [illegible]57

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17773 (STATION) QUANTICO, VA (STATION NAME) 69-71,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

18 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.8	1.4									3.6	5.5
NNE	.5	.5	2.3									3.2	7.1
NE	.5	4.1	.5									5.1	5.2
ENE	.5	2.3	1.4									4.5	5.4
E	.5	1.8	1.4	.5								4.5	6.2
ESE	1.4	.5	2.7									5.0	5.7
SE	2.3	3.6	.5	.9								7.2	5.3
SSE	1.8	6.8	4.1	.5								13.1	5.9
S	2.7	5.0	6.8									15.4	6.2
SSW	.5	2.3	2.7	.9								6.3	7.3
SW		1.4	.5									2.3	7.4
WSW		.5										.5	5.0
W	2.7	.5	3.6									6.8	6.1
WNW	.5	2.3	2.3	.9								6.3	7.0
NW	.5	5.0	.9	1.8								8.1	7.1
NNW	.5	.5	2.3	.5								4.1	7.3
VARBL													
CALM												3.2	
	15.7	40.3	33.9	5.9								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 221

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73 (STATION) QUANTICO, VA (STATION NAME) 69-71,73-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

18 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 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]	1.5	.5								[illegible].[illegible]	5.7
NNE	.[illegible]	1.[illegible]										1.5	4.7
NE	1.[illegible]	1.[illegible]	1.[illegible]	.5								3.5	6.1
ENE		.5	.5									1.[illegible]	[illegible].[illegible]
E	1.[illegible]	2.[illegible]										3.[illegible]	[illegible].8
ESE		4.[illegible]	1.[illegible]	.5								7.3	6.[illegible]
SE	1.[illegible]	[illegible].3	3.4									9.[illegible]	[illegible].6
SSE	1.[illegible]	3.[illegible]	1.[illegible]									6.[illegible]	4.5
S	[illegible].[illegible]	5.3	[illegible].[illegible]	.5								15.[illegible]	5.[illegible]
SSW	1.[illegible]	1.[illegible]	1.[illegible]									4.4	4.4
SW	1.[illegible]											1.[illegible]	2.5
WSW	2.[illegible]	.5										2.[illegible]	2.2
W	[illegible].[illegible]	2.4										4.[illegible]	3.5
WNW	1.[illegible]	1.[illegible]	.5									4.4	[illegible].9
NW	1.[illegible]	1.[illegible]	.5	1.[illegible]								5.[illegible]	5.3
NNW	1.[illegible]	2.4	1.5									5.[illegible]	5.[illegible]
VARBL													
CALM												17.[illegible]	
	24.[illegible]	38.8	16.5	2.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2[illegible]6

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73 (STATION) | QUANTICO, VA (STATION NAME) | 60-71,73-76 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 12 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	1.0									5.0	5.0
NNE	.5		.5									1.0	4.5
NE		.5		.5								1.0	7.5
ENE		1.0	.5	.5								2.0	7.5
E	2.0	1.5	.5									4.0	4.3
ESE	.5	2.5										3.0	4.7
SE	.5	4.5	1.5									6.5	5.8
SSE	1.5	4.5	2.5	.5								7.5	6.2
S	.5	6.0	3.5	1.5								11.5	7.2
SSW	1.5	3.0	.5	.5								5.5	4.7
SW	.5	1.5	.5									2.5	5.4
WSW	.5	.5	.5									1.5	4.7
W	1.0	2.5										3.5	3.4
WNW	3.5	5.5	1.5									10.5	3.7
NW	3.5	3.5	.5									7.5	3.6
NNW	1.5	3.5	1.5									6.5	3.3
VARBL													
CALM												17.5	
	21.0	41.5	14.5	3.5								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73	C[illegible]RLICO, VA	6[illegible]-71,73-78	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	.?	2.2	1.7	.3								[illegible].1	[illegible].1
NNE	.4	.[illegible]	1.1	.2								2.[illegible]	6.7
NE	.7	1.[illegible]	1.1	.3								3.[illegible]	6.0
ENE	.4	1.[illegible]	.[illegible]	.1								[illegible].[illegible]	[illegible].6
E	1.2	1.[illegible]	.[illegible]	.1								3.[illegible]	4.7
ESE	.[illegible]	1.0	.?	.1								3.4	5.1
SE	1.1	3.3	1.[illegible]	.2								6.1	[illegible].5
SSE	1.[illegible]	4.1	2.7	.4								8.[illegible]	[illegible].[illegible]
S	[illegible].[illegible]	6.[illegible]	4.9	.6								14.2	5.9
SSW	1.[illegible]	2.[illegible]	2.3	.3								[illegible].5	[illegible].[illegible]
SW	.?	.[illegible]	.[illegible]	.1								1.[illegible]	[illegible].9
WSW	.?	.4	.4			.1						1.[illegible]	[illegible].1
W	[illegible].[illegible]	1.[illegible]	.[illegible]									4.[illegible]	4.3
WNW	2.[illegible]	3.8	1.?	.3	.1							8.1	4.9
NW	[illegible].0	4.1	2.1	.7	.1							[illegible]0.0	5.5
NNW	1.2	2.?	2.[illegible]	.4								[illegible].3	[illegible].[illegible]
VARBL													
CALM												11.?	
	2[illegible].3	3[illegible].3	24.5	[illegible].8	.1	.1						1[illegible]0.0	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible]ATTICO, VA | 6[illegible]-71,73-75 | [illegible]
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	.1	1.1										2.	[illegible]
NNE		.										.	4.[illegible]
NE	1.1	1.[illegible]	1.1									3.[illegible]	[illegible]
ENE	.		1.1									1.[illegible]	[illegible]
E		[illegible]										2.[illegible]	4.[illegible]
ESE													
SE		.										.[illegible]	4.[illegible]
SSE	.[illegible]	1.[illegible]	1.1	.6								3.[illegible]	6.7
S	[illegible].3	2.	4.4	1.7								1[illegible].2	[illegible].6
SSW	1.1	[illegible].9	1.7									11.[illegible]	4.[illegible]
SW	[illegible].1	2.2	1.1									4.4	4.[illegible]
WSW	[illegible].1	.[illegible]		.6								[illegible].[illegible]	4.3
W	[illegible].	.[illegible]										[illegible].[illegible]	2.7
WNW	.[illegible]	[illegible].										1[illegible].	[illegible].2
NW	[illegible].	[illegible].1	1.1									1[illegible].2	4.[illegible]
NNW	.[illegible]	.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
VARBL													
CALM												2[illegible].6	
	[illegible].[illegible]	34.4	12.2	2.[illegible]								1[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 (STATION) [illegible]ATTICO, VA (STATION NAME) 71,73-76 (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.										1.7	[illegible]
NNE		.	1.									1.4	7.3
NE		.	1.									1.4	[illegible]
ENE		1.	2.4									[illegible]	7.3
E	.	.										1.0	4.5
ESE													
SE			.									.	7.
SSE	.	1.										1.4	5.
S	2.	4.	2.4	.								5.4	6
SSW	1.	4.	1.									[illegible]	1
SW	1.	1.4	1.									[illegible]	4.
WSW	.											[illegible]	2.
W	2.	1.										4.3	2.
WNW	5.	4.	1.									11.	3.
NW	7.7	9.	1.									17.7	3.
NNW	1.	4.	1.									7.7	4
VARBL													
CALM												24.4	
	2.	34.	1.	.								1 0.0	3.

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) | QUANTICO, VA (STATION NAME) | [illegible]-71,73-78 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 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]	2.[illegible]	1.2								[illegible].[illegible]	[illegible].1
NNE	.[illegible]	2.[illegible]	2.[illegible]									[illegible].[illegible]	6.4
NE	.[illegible]	1.6	.[illegible]									2.[illegible]	5.6
ENE	.[illegible]	.[illegible]	1.[illegible]									3.[illegible]	6.3
E	1.[illegible]	3.[illegible]	1.2									6.3	4.[illegible]
ESE	2.[illegible]	.										3.2	2.8
SE	[illegible].[illegible]	2.4	.[illegible]									5.2	4.3
SSE	3.6	[illegible].[illegible]	2.[illegible]									1[illegible].[illegible]	4.6
S	[illegible].[illegible]	1[illegible].[illegible]	6.7	.8								[illegible]6.6	5.4
SSW	.	1.2	1.[illegible]	.8								4.[illegible]	7.8
SW	1.[illegible]		.[illegible]									2.[illegible]	4.5
WSW		.										.[illegible]	[illegible].5
W		1.[illegible]	.4									2.[illegible]	5.6
WNW	[illegible].2	1.2	.[illegible]									3.2	4.[illegible]
NW	1.[illegible]	3.[illegible]	1.2									6.3	4.[illegible]
NNW		1.	[illegible].2									4.[illegible]	7.[illegible]
VARBL													
CALM												3.[illegible]	
	[illegible]1.[illegible]	46.4	25.	2.8								1[illegible]0.[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS [illegible]2

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73	[illegible]ANTIC[illegible], VA	[illegible]-71,73-78	J[illegible]
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1[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	.[illegible]	1.[illegible]	2.[illegible]	.4								4.3	6.[illegible]
NNE	.[illegible]	.	2.[illegible]									3.[illegible]	7.0
NE		.	1.2	.4								2.[illegible]	[illegible].6
ENE	.	3.[illegible]	.[illegible]									4.[illegible]	5.1
E	1.2	3.1	.[illegible]									5.1	4.7
ESE	1.2	2.										3.1	3.[illegible]
SE	2.[illegible]	5.[illegible]	1.[illegible]									9.4	4.7
SSE	3.[illegible]	9.4	3.[illegible]									16.[illegible]	5.[illegible]
S	3.[illegible]	14.6	8.[illegible]	.4								26.[illegible]	6.[illegible]
SSW	.[illegible]	1.[illegible]	1.6									3.[illegible]	5.8
SW	.[illegible]	1.2	.4	.[illegible]								2.	7.1
WSW		.[illegible]	.[illegible]									1.2	[illegible].3
W	.	1.[illegible]	1.2									2.[illegible]	5.6
WNW	[illegible].[illegible]	.4	.[illegible]									3.1	4.[illegible]
NW	.[illegible]	1.2	.[illegible]	.4								2.[illegible]	7.6
NNW	.[illegible]	2.4	3.1	.8								[illegible].7	7.[illegible]
VARBL													
CALM												2.[illegible]	
	1[illegible].[illegible]	49.2	2[illegible].7	3.1								1[illegible]0.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2[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
[illegible]	[illegible], VA	6[illegible]-71,73-78	JUN

CLASS: ALL WEATHER

HOURS (L.S.T.): 16

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	2.[illegible]									[illegible].[illegible]	[illegible].[illegible]
NNE		1.[illegible]	.5									1.[illegible]	[illegible].3
NE	.5	1.4	1.4									3.[illegible]	6.6
ENE	1.4	1.4	.5									3.[illegible]	4.[illegible]
E	1.[illegible]	2.[illegible]	.[illegible]									[illegible].[illegible]	4.[illegible]
ESE	.[illegible]	2.[illegible]	.[illegible]	.5								[illegible].1	[illegible].4
SE	1.[illegible]	3.2	1.4									[illegible].[illegible]	4.[illegible]
SSE	1.[illegible]	6.[illegible]	1.4	.5	.5							10.1	[illegible].3
S	[illegible].8	13.[illegible]	7.4	.5								2[illegible].	[illegible].3
SSW	.[illegible]	[illegible].2	1.4									[illegible].[illegible]	[illegible].6
SW		.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
WSW		1.[illegible]										1.[illegible]	4.[illegible]
W	1.[illegible]	2.[illegible]										4.1	[illegible].7
WNW	.[illegible]	.[illegible]	.[illegible]									2.3	4.4
NW	1.4	.[illegible]	1.[illegible]									4.1	6.4
NNW	.[illegible]	2.[illegible]	2.[illegible]									[illegible].[illegible]	6.2
VARBL													
CALM												[illegible].[illegible]	
	21.[illegible]	48.[illegible]	24.4	1.4	.5							1[illegible].[illegible]	[illegible].2

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 (STATION) | [illegible]NTICO, VA (STATION NAME) | 69-71,73-78 (YEARS) | JUN (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	.[illegible]	1.[illegible]	1.[illegible]									[illegible].[illegible]	5.4
NNE	.[illegible]	.[illegible]		.[illegible]								1.[illegible]	6.[illegible]
NE	1.[illegible]	1.5	.[illegible]									[illegible].1	4.2
ENE	1.[illegible]	1.5	2.[illegible]									4.[illegible]	5.9
E	.[illegible]	2.[illegible]	.[illegible]									3.[illegible]	5.1
ESE	1.[illegible]	4.1	1.[illegible]									6.6	5.3
SE	1.[illegible]	3.1	3.1									7.1	6.2
SSE	[illegible].[illegible]	[illegible].1	3.1	.[illegible]								10.7	5.7
S	[illegible].1	[illegible].1	[illegible].1	.[illegible]								15.[illegible]	5.7
SSW	2.[illegible]	7.1	.[illegible]									10.2	4.3
SW	.[illegible]	1.[illegible]										[illegible].[illegible]	[illegible].[illegible]
WSW	[illegible].[illegible]	1.[illegible]										[illegible].1	2.8
W	[illegible].[illegible]											[illegible].[illegible]	2.3
WNW	[illegible].6	1.[illegible]	.[illegible]									7.1	3.1
NW	1.[illegible]	.[illegible]										[illegible].[illegible]	2.3
NNW	1.[illegible]	3.1	1.[illegible]	1.[illegible]								[illegible].6	[illegible].4
VARBL													
CALM												11.2	
	[illegible].[illegible]	[illegible].[illegible]	19.[illegible]	2.6								[illegible].[illegible]	4.5

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 (STATION) | QUANTICO, VA (STATION NAME) | 69-71,73-76 (YEARS) | JUN (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]2										2.2	5.0
NNE	.[illegible]	.[illegible]										1.1	4.2
NE	.[illegible]	.5	1.1									2.2	6.3
ENE	1.[illegible]	1.6	.5									3.[illegible]	4.7
E		1.[illegible]	.5									2.2	5.[illegible]
ESE		1.1	.[illegible]									1.6	7.0
SE		2.[illegible]	1.1									3.[illegible]	6.0
SSE	.[illegible]	3.3	3.3	.5								7.7	6.4
S	1.1	12.[illegible]	4.4	1.6								19.[illegible]	6.4
SSW	1.1	4.[illegible]	.5									6.6	4.7
SW	1.[illegible]	2.7										4.4	3.[illegible]
WSW	2.[illegible]	.[illegible]										3.3	2.[illegible]
W	1.1											1.1	1.5
WNW	3.[illegible]	4.4										8.[illegible]	3.3
NW	1.6	4.[illegible]										6.6	3.8
NNW		1.[illegible]										1.[illegible]	4.3
VARBL													
CALM												23.[illegible]	
	17.5	45.6	12.1	2.2								1[illegible].[illegible]	3.[illegible]

TOTAL NUMBER OF OBSERVATIONS 1[illegible]2

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13173 (STATION) ATLANTIC CITY, NJ (STATION NAME) 69-71,73-78 (YEARS) JUN (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	.6	1.3	1.2	.2								3.3	6.1
NNE	.3	.6	.0	.1								2.1	4.4
NE	.4	.6	1.1	.1								2.2	6.4
ENE	.7	1.4	1.2									3.3	5.7
E	.6	2.2	.3									3.1	4.8
ESE	.3	1.3	.4	.1								2.1	4.7
SE	1.0	2.4	1.0									4.5	5.0
SSE	1.3	5.1	2.0	.2	.1							9.1	5.4
S	3.0	17.1	5.5	.9								20.0	5.2
SSW	1.4	4.0	1.3	.1								6.8	5.1
SW	1.0	1.3	.7	.1								3.0	5.0
WSW	1.2	.6	.2	.1								2.2	3.6
W	1.0	1.3	.2									3.0	3.6
WNW	1.3	2.3	.5									6.1	3.6
NW	1.4	4.1	1.0	.1								6.6	4.2
NNW	1.2	2.6	1.9	.2								5.8	5.8
VARBL													
CALM												12.9	
	22.6	42.5	19.6	2.1	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1741

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17773 (STATION) QUANTICO, VA (STATION NAME) 64-71,73-76 (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		1.	.[illegible]									2.1	5.[illegible]
NNE													
NE	.											.[illegible]	2.0
ENE													
E		1.	.[illegible]									2.1	1.
ESE		1.1										1.1	4.5
SE		.										.[illegible]	5.[illegible]
SSE		1.1	.[illegible]									1.[illegible]	5.3
S	.	5.3	2.7	.5								9.1	[illegible].5
SSW	1.1	.4	2.7	.5								10.7	5.9
SW	1.	1.[illegible]	1.1									4.3	4.5
WSW	2.7	1.[illegible]	1.1									[illegible].7	4.7
W	1.3	1.5										5.	3.1
WNW	2.7	4.[illegible]	.5									8.0	4.1
NW	3.6	14.4										24.1	3.7
NNW	3.7	2.7										5.3	3.[illegible]
VARBL													
CALM												19.7	
	25.7	48.4	9.6	1.1								1 0.[illegible]	3.7

TOTAL NUMBER OF OBSERVATIONS 1[illegible]7

ENCS



NAVAL WEATHER SERVICE
DETACHMENT
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SURFACE WINDS

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

[illegible] (STATION) QUANTICO, VA (STATION NAME) 60-71,73-76 (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		1.[illegible]										1.[illegible]	4.3
NNE		.[illegible]										.[illegible]	4.[illegible]
NE													
ENE		1.[illegible]										1.[illegible]	4.5
E	1.[illegible]	.[illegible]										2.3	2.4
ESE	.[illegible]											.[illegible]	2.[illegible]
SE	.[illegible]	.[illegible]										.[illegible]	3.5
SSE		.[illegible]	.[illegible]									.[illegible]	6.5
S	1.[illegible]	3.3	1.[illegible]									6.[illegible]	4.9
SSW	1.[illegible]	5.1	2.3									8.9	5.3
SW	.3											.3	2.6
WSW	.[illegible]		1.[illegible]									2.3	.2
W	1.[illegible]		.[illegible]									1.[illegible]	3.[illegible]
WNW	.1	.6	1.[illegible]									13.1	3.[illegible]
NW	7.[illegible]	10.3	2.3									20.[illegible]	4.0
NNW	1.[illegible]	6.1	.[illegible]									8.[illegible]	4.5
VARBL													
CALM												17.1	
	27.1	35.5	10.[illegible]									100.0	[illegible].1

TOTAL NUMBER OF OBSERVATIONS 214

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13173 (STATION) | QUANTICO, VA (STATION NAME) | 60-71,73-76 (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	1.2	3.	.									4.	4.8
NNE	.		.									.	4.5
NE		.	.									.	7.0
ENE	.	.	.4									1.	4.5
E	.4	.	.8									1.	4.6
ESE	.4	.8										.	7.0
SE		.	.4									.	7.0
SSE		.										.4	5.0
S	2.4	7.	2.4									12.	5.1
SSW	4.	4.4	1.6									10.	4.1
SW	.	.	.8									2.	5.2
WSW	1.	1.2										2.	3.1
W	2.	1.2										3.	2.8
WNW	4.	4.4	.8									10.0	3.6
NW	5.4	9.2	2.4									19.9	4.3
NNW	3.	6.4	1.6									11.	4.5
VARBL													
CALM												16.3	
	31.	3.4	12.4									100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2?1

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NAVAL WEATHER SERVICE
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SURFACE WINDS

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

1 73 (STATION) | QUANTICO, VA (STATION NAME) | 6 -71, 73-78 (YEARS) | JUL (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	.e2	3.5	2.	.4								7.1	.e1
NNE	.e	1.6	.4	.4								2.7	5.6
NE	.e2	1.4	1.6									4.7	5.5
ENE	.e	1.5	1.2									2.1	5.6
E	2.7	3.6										6.4	3.6
ESE	.e2	1.6	.4									2.1	4.1
SE	.e1	3.5	1.2									7.8	4.2
SSE	4.3	7.	2.7									15.4	4.4
S	.e1	.	4.3									18.4	5.0
SSW		1.	1.4									2.1	6.6
SW	.e2	1.2										2.4	3.7
WSW	.e2	1.4										2.7	3.6
W	.e	1.4	.4									2.7	4.2
WNW	.e2	1.2	.4									2.7	4.3
NW		2.1	2.7	.4								5.5	6.8
NNW	.	3.5	2.4									5.8	5.4
VARBL													
CALM												4.7	
	21.4	49.6	19.6	1.2								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 255

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]	O[illegible]TICO, VA	[illegible]-71,73-78	JUL

CLASS: ALL WEATHER

HOURS (L.S.T.): 17

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	.[illegible]									.1	5.6
NNE	.[illegible]	.[illegible]										.2	4.7
NE	.[illegible]	1.[illegible]	.[illegible]	.4								2.1	5.6
ENE	.[illegible]	2.4	2.4									[illegible].2	[illegible].2
E	1.[illegible]	3.[illegible]	.[illegible]									5.	4.5
ESE	1.[illegible]	1.2										2.	3.4
SE	2.[illegible]	5.	.4									8.[illegible]	4.5
SSE	2.	8.7	7.9									18.4	5.3
S	[illegible].3	16.[illegible]	5.5	.8								27.6	5.4
SSW	.[illegible]	.[illegible]	2.[illegible]									3.[illegible]	3.7
SW	.[illegible]											.[illegible]	2.[illegible]
WSW	.	1.2	.[illegible]									2.[illegible]	[illegible].[illegible]
W	.	2.[illegible]	.									3.[illegible]	[illegible].3
WNW	1.[illegible]	2.4	1.6	.4								5.[illegible]	[illegible].5
NW	.[illegible]	4.3	.[illegible]									[illegible].5	5.3
NNW	.4	2.[illegible]	2.[illegible]									4.[illegible]	6.4
VARBL													
CALM												1.[illegible]	
	1.1	[illegible].5	2[illegible].[illegible]	1.[illegible]								1[illegible].0	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS: 2[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
[illegible]	[illegible], VA	[illegible]-71,73-78	JUL

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	.	.	.	.								2.	5.
NNE		1.	1.									2.	6.
NE	1.4	.	.	.								3.	6.
ENE	.	1.4	.									.	4.
E	.	1.	.									.	5.
ESE	.	1.		.								2.	5.
SE	.	1.										2.3	3.
SSE	.	3.	4.1									17.	4.9
S	.	14.	5.	1.4								25.	5.7
SSW	.	3.1	.									4.	4.
SW	.	.	.									1.	.
WSW	.											.	2.
W	1.	2.	.									.	.4
WNW	.3	.	.									3.	3.
NW	1.4	2.	.	.5								4.	5.
NNW	.	3.5	.									4.	5.
VARBL													
CALM												1.	
	24.3	41.1	21.	3.2								100.	5.2

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible], VA	[illegible]-71,73-76	JUL

CLASS: ALL WEATHER

HOURS (L.S.T.): 1[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		[illegible]	[illegible]									[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NE	[illegible]	1[illegible]		[illegible]								[illegible]	[illegible]
ENE	[illegible]	1[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	1[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	1[illegible]	4[illegible]									[illegible]	[illegible]
SE	1[illegible]	[illegible]	2[illegible]									[illegible]	[illegible]
SSE	[illegible]	4[illegible]	1[illegible]	[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	1[illegible]									[illegible]	[illegible]
SW	1[illegible]	1[illegible]										[illegible]	[illegible]
WSW	1[illegible]		[illegible]									[illegible]	[illegible]
W	[illegible]	2[illegible]	[illegible]	[illegible]								10[illegible]	[illegible]
WNW	2[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NW	[illegible]	1[illegible]										[illegible]	[illegible]
NNW	[illegible]	1[illegible]										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	31[illegible]	1[illegible]	2[illegible]								1[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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]	[illegible], VA	67-71, 73-76	JUL

CLASS: ALL WEATHER

HOURS (L.S.T.): 12

CONDITION:

SPEED (KNTS) DIR.	1 - 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]								2.	5.6
NNE			[illegible]									[illegible]	[illegible]
NE	[illegible]											[illegible]	2.2
ENE	[illegible]	1.										1.	3.3
E	[illegible]	[illegible]	[illegible]									2.1	4.
ESE	[illegible]	[illegible]										1.[illegible]	3.[illegible]
SE	[illegible]	1.[illegible]	[illegible]									2.[illegible]	4.8
SSE	[illegible]	2.[illegible]	[illegible]	[illegible]								7.[illegible]	6.[illegible]
S	1.	5.	4.[illegible]	1.								12.[illegible]	[illegible].[illegible]
SSW	1.	[illegible].[illegible]	1.[illegible]									[illegible].4	4.[illegible]
SW	[illegible]	[illegible].[illegible]										2.[illegible]	4.5
WSW	[illegible].1	1.	[illegible]									[illegible].[illegible]	[illegible].[illegible]
W	[illegible].	[illegible]										[illegible].4	2.1
WNW	[illegible].[illegible]	[illegible].7	1.									10.	4.1
NW	[illegible].[illegible]	[illegible].[illegible]	[illegible]									[illegible].[illegible]	[illegible].6
NNW	[illegible].	[illegible].1	[illegible]									[illegible].[illegible]	[illegible].7
VARBL													
CALM												[illegible].5	
	[illegible].[illegible]	[illegible].1	[illegible].	2.1								1[illegible].[illegible]	5.

TOTAL NUMBER OF OBSERVATIONS: [illegible]1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) [illegible] (STATION NAME) [illegible]-71,73-78 (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	.	1.3	.7	.2								7.2	5.5
NNE	.	.4	.6	.1								1.3	6.2
NE	.4	.7	.7	.2								2.0	5.6
ENE	.4	1.2	.4									2.0	5.3
E	1.2	1.	.4									2.4	4.4
ESE	.7	1.	.5	.1								2.3	4.6
SE	1.1	2.3	.4									4.2	4.6
SSE	1.4	4.4	3.1	.1								8.2	5.2
S	7.2	.2	4.3	.5								16.7	5.6
SSW	1.	3.1	1.9	.1								7.6	5.1
SW	1.1	.	.7									2.3	4.2
WSW	1.	.	.4									2.1	4.1
W	.9	1.3	.3	.1								2.6	3.9
WNW	.2	3.	.2	.1								7.1	4.1
NW	4.1	6.2	1.2	.1								11.6	4.3
NNW	.9	3.2	1.1									6.	4.7
VARBL													
CALM												17.4	
	24.3	47.2	15.4	1.4								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1171

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]73	[illegible] ATTICO, VA	6[illegible]-71,73-75	A[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	.[illegible]	1.1		.[illegible]								[illegible].2	[illegible].2
NNE	.[illegible]	.[illegible]		.[illegible]								1.[illegible]	[illegible].7
NE		[illegible].1										1.1	[illegible].5
ENE		[illegible].1										1.1	[illegible].[illegible]
E	.[illegible]	.[illegible]										1.1	3.5
ESE	.											.[illegible]	2.[illegible]
SE		.	.									1.1	6.5
SSE	.	.[illegible]										1.1	3.5
S	.	2.[illegible]	.[illegible]	.[illegible]								3.[illegible]	6.[illegible]
SSW	[illegible].	[illegible].[illegible]										[illegible].7	3.[illegible]
SW	.	2.[illegible]										[illegible].[illegible]	4.4
WSW	.[illegible]	1.1										[illegible].[illegible]	2.[illegible]
W	.[illegible]	1.1										[illegible].[illegible]	[illegible].[illegible]
WNW	.[illegible]	7.[illegible]	1.1									1[illegible].1	3.[illegible]
NW	[illegible].[illegible]	1[illegible].[illegible]	1.1									1[illegible].[illegible]	4.[illegible]
NNW	1.1	.4	1.1									[illegible].[illegible]	4.[illegible]
VARBL													
CALM												2[illegible].[illegible]	
	2[illegible].[illegible]	3[illegible].[illegible]	[illegible].[illegible]	1.6								1 0.[illegible]	[illegible].1

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1[illegible]73 (STATION) | C[illegible]RTICO, VA (STATION NAME) | 6[illegible]-71, 73-76 (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	.[illegible]	1.4	1.[illegible]	.5								[illegible].[illegible]	7.2
NNE		.[illegible]										.[illegible]	[illegible].[illegible]
NE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	[illegible].3
ENE		.[illegible]										.[illegible]	[illegible].[illegible]
E		1.[illegible]										1.[illegible]	5.3
ESE													
SE	.[illegible]	.[illegible]										.[illegible]	2.5
SSE													
S	.[illegible]	2.3	1.[illegible]									[illegible].1	[illegible].[illegible]
SSW	[illegible].[illegible]	5.6										[illegible].3	[illegible].[illegible]
SW	.[illegible]	1.[illegible]										[illegible].[illegible]	4.7
WSW	.[illegible]	.[illegible]										1.[illegible]	3.7
W	1.[illegible]	1.4										[illegible].[illegible]	3.1
WNW	6.[illegible]	6.[illegible]	.[illegible]									14.4	[illegible].8
NW	[illegible].8	12.[illegible]	1.4									[illegible]2.2	4.[illegible]
NNW	[illegible].2	4.[illegible]		.[illegible]								7.[illegible]	[illegible].1
VARBL													
CALM												[illegible]3.[illegible]	
	2[illegible].[illegible]	40.7	[illegible].[illegible]	.9								1 0.[illegible]	3.3

TOTAL NUMBER OF OBSERVATIONS [illegible]1[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) | [illegible]TICO, VA (STATION NAME) | 6[illegible]-71,73-78 (YEARS) | A[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	.	.	.									[illegible]	5.[illegible]
NNE				.								.	14.
NE			.2									1.2	[illegible]
ENE		.										.	.
E	.	.	.[illegible]									1.[illegible]	4.
ESE		.										.[illegible]	4.[illegible]
SE	.	.[illegible]										.[illegible]	[illegible]
SSE		.	.[illegible]									.[illegible]	[illegible]
S	.	4.3	.[illegible]									7.C	4.3
SSW	[illegible].7	8.7	1.[illegible]									[illegible].[illegible]	[illegible]
SW	.2		.[illegible]									1.	3.[illegible]
WSW	1.	1.2										2.[illegible]	[illegible].4
W	2.	.										5.[illegible]	[illegible]
WNW	4.[illegible]	[illegible].[illegible]										10.[illegible]	[illegible]
NW	1[illegible].[illegible]	1[illegible].[illegible]	2.	.4								24.[illegible]	4.1
NNW	[illegible].1	7.	2.7									14.	4.4
VARBL													
CALM												14.[illegible]	
	31.	37.9	1C.2	.[illegible]								1[illegible].[illegible]	3.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]5[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 [illegible]CO, VA 65-71,73-78 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER 17
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].4	[illegible].1	1.1								[illegible].7	[illegible].6
NNE	.[illegible]	3.1	1.[illegible]	.4								[illegible].1	[illegible].5
NE	.[illegible]	[illegible].[illegible]	1.1									[illegible].4	5.6
ENE		[illegible].4	1.1									4.[illegible]	[illegible].[illegible]
E	.[illegible]	1.1	.4									[illegible].3	4.[illegible]
ESE													
SE	[illegible].4	3.[illegible]										[illegible].[illegible]	3.6
SSE	[illegible].4	6.[illegible]	1.[illegible]									11.[illegible]	4.4
S	.[illegible]	13.	2.3									19.[illegible]	4.6
SSW	.	.[illegible]	2.[illegible]									[illegible].4	7.1
SW	.	1.1	.4									[illegible].3	4.[illegible]
WSW	.	1.[illegible]										2.[illegible]	4.3
W	.[illegible]	1.[illegible]	1.1									3.1	5.[illegible]
WNW	.	1.[illegible]										2.[illegible]	[illegible].9
NW	.[illegible]	[illegible].4										[illegible].[illegible]	4.8
NNW	[illegible].3	5.4	2.3	.4								10.3	5.1
VARBL													
CALM												6.[illegible]	
	1.[illegible]3	54.[illegible]	17.6	1.9								[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]3 (STATION) | [illegible]ICO, VA (STATION NAME) | [illegible]=71,73-78 (YEARS) | [illegible] (MONTH)

ALL WEATHER (CLASS)

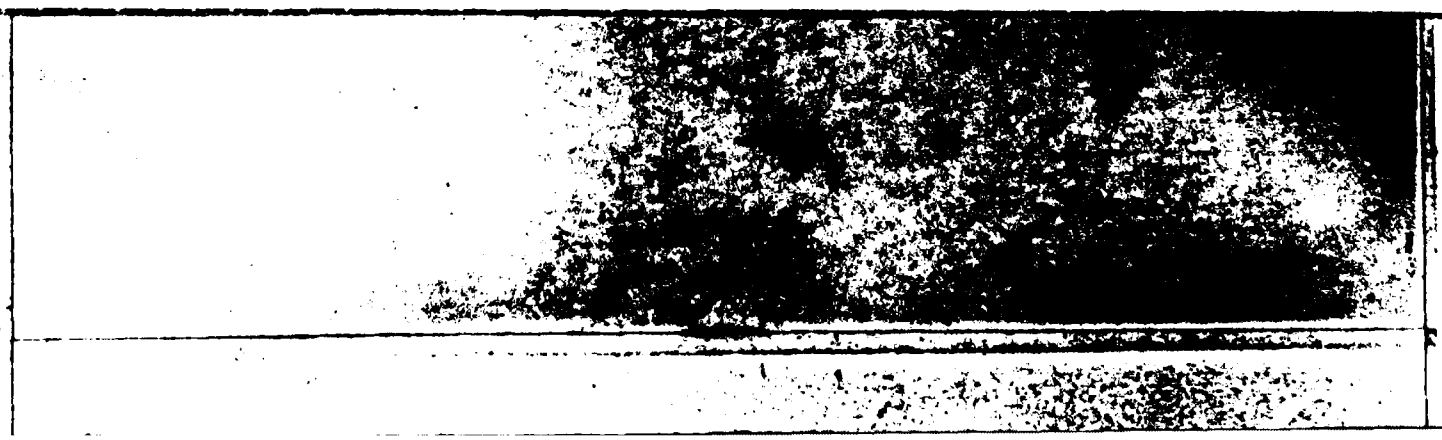
17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.	.4	.4								4.	5.2
NNE	.1	1.3	1.									4.	5.9
NE	.	2.3	2.7									[illegible]	5.9
ENE	.	2.7	2.3									5.[illegible]	[illegible].7
E	.	2.7	.[illegible]									[illegible].4	[illegible]
ESE	1.1	1.										[illegible].1	3.6
SE	.3	5.7	.9									[illegible].9	4.2
SSE	.[illegible]	1[illegible].[illegible]	2.[illegible]									10.[illegible]	4.6
S	.[illegible]	11.[illegible]	5.7	.4								19.8	5.4
SSW	.	1.1	1.1									2.7	5.7
SW		.	.4									.	[illegible].[illegible]
WSW		.1										1.1	4.7
W	1.	.1	.4	.4								[illegible].	4.6
WNW	.[illegible]	1.[illegible]	.9									2.[illegible]	5.9
NW	.	2.[illegible]	1.1	.4								[illegible].[illegible]	[illegible].8
NNW	.[illegible]	2.3	.[illegible]	.9								4.2	6.9
VARBL													
CALM												[illegible].9	
	1[illegible].	54.2	27.[illegible]	2.3								1 0.0	5.2

TOTAL NUMBER OF OBSERVATIONS [illegible]42

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | 6?-71,73-78 | APR
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]7	1.3									3.[illegible]	5.9
NNE	.4	.	1.3									2.7	5.5
NE		1.	1.[illegible]	.4								[illegible].[illegible]	7.1
ENE		[illegible].1	2.[illegible]									[illegible].[illegible]	6.5
E	[illegible].1	3.1	.4									6.7	[illegible].9
ESE	.	1.[illegible]										1.[illegible]	[illegible].5
SE	.	3.[illegible]										4.5	4.7
SSE	[illegible].	[illegible].[illegible]	1.	.4								13.[illegible]	4.[illegible]
S	.4	12.[illegible]	4.	.4								[illegible]2.4	5.2
SSW	.	2.[illegible]	.									[illegible].[illegible]	[illegible].1
SW	1.[illegible]	.	.4									2.[illegible]	4.3
WSW	1.[illegible]	.										[illegible].2	3.2
W	.	[illegible].[illegible]										4.5	[illegible].
WNW	1.[illegible]	2.[illegible]										[illegible].[illegible]	[illegible].[illegible]
NW	1.3	1.	2.7									5.[illegible]	[illegible].4
NNW	.	[illegible].1	2.[illegible]	.4								7.2	[illegible].6
VARBL													
CALM												[illegible].4	
	[illegible]2.[illegible]	51.1	19.7	1.[illegible]								1[illegible]0.[illegible]	[illegible].1

TOTAL NUMBER OF OBSERVATIONS 23

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 (STATION) [illegible] VA (STATION NAME) [illegible]-71,73-78 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS)

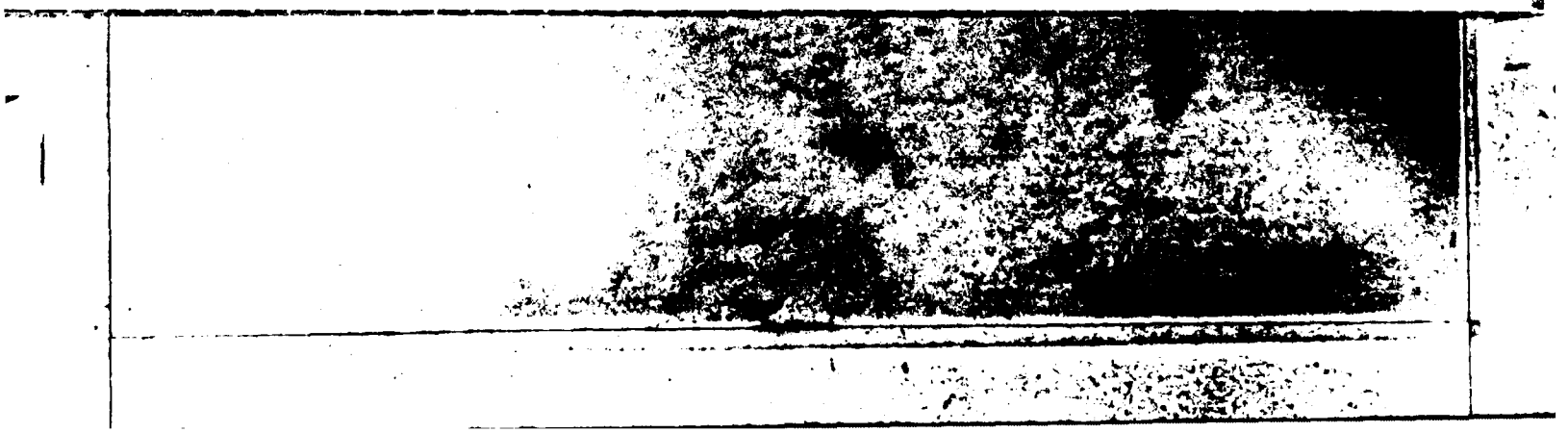
(HOURS (L.S.T.))

(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	1.0	1.0										[illegible]	4.0
NNE	.0		1.0									1.0	6.0
NE		.0		.0								1.0	[illegible].5
ENE		1.0	1.0									[illegible].4	6.3
E	1.0	1.0	.0									[illegible].4	4.4
ESE		4.0	1.0									5.0	[illegible].2
SE	1.0	4.0	2.0									[illegible].7	5.7
SSE	.0	1.0	2.0									[illegible].3	[illegible].5
S	.0	2.0	1.0									[illegible].2	[illegible].5
SSW	1.0	2.0	1.0									[illegible].3	[illegible].0
SW	2.0	1.0										[illegible].4	2.0
WSW	1.0	.0										2.4	2.4
W	.0	2.0										[illegible].8	[illegible].2
WNW	6.0	1.0										[illegible].8	2.3
NW	2.0	2.4	.0									[illegible].7	3.7
NNW	1.0	1.6	1.0									4.4	[illegible].6
VARBL													
CALM												[illegible].2	
	[illegible].2	31.1	14.1	.0								100.0	[illegible].2

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 (STATION) [illegible] TICO, VA (STATION NAME) 6[illegible]-71, 73-76 (YEARS) AUG (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]								1.1	[illegible]
NNE		[illegible].1	[illegible]									1.[illegible]	5.7
NE	[illegible]	[illegible]	1.1									[illegible].1	[illegible]
ENE		[illegible].1										1.1	4.[illegible]
E	[illegible]											[illegible]	[illegible]
ESE		[illegible]	[illegible]									1.1	[illegible]
SE	[illegible].1	1.1										[illegible].1	3.[illegible]
SSE	[illegible]	1.1	1.1									[illegible]	[illegible]
S	[illegible].1	4.2	[illegible]	[illegible]								11.1	6.[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	4.6
SW		[illegible]	1.1									[illegible]	[illegible]
WSW	[illegible]	1.1	[illegible]									[illegible]	[illegible]
W	1.[illegible]	1.1										[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NW	[illegible]	[illegible]	1.1									[illegible]	[illegible]
NNW	[illegible]	[illegible]	1.1									[illegible]	[illegible].1
VARBL													
CALM												[illegible]	
	[illegible].4	[illegible]	[illegible]	1.1								1[illegible].[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMO8



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-79 | [illegible]
STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.[illegible]	1.[illegible]	1.[illegible]	.4								[illegible].[illegible]	[illegible].[illegible]
NNE	.	1.1	.[illegible]	.[illegible]								[illegible].[illegible]	[illegible].[illegible]
NE	.[illegible]	1.4	1.1	.1								[illegible].[illegible]	[illegible].[illegible]
ENE	.1	1.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
E	.	1.[illegible]	.[illegible]									[illegible].[illegible]	[illegible].[illegible]
ESE	.	1.1	.[illegible]									1.[illegible]	4.4
SE	1.[illegible]	2.[illegible]	.[illegible]									4.4	4.4
SSE	1.[illegible]	4.[illegible]	1.[illegible]	.1								[illegible].[illegible]	4.[illegible]
S	[illegible].3	6.	2.[illegible]	.[illegible]								1[illegible].1	5.3
SSW	[illegible].	[illegible].1	1.1									5.	4.[illegible]
SW	.	1.[illegible]	.[illegible]									2.	4.4
WSW	.[illegible]	1.1	.1									[illegible].3	3.[illegible]
W	[illegible].	1.	.[illegible]	.1								4.[illegible]	[illegible].[illegible]
WNW	[illegible].[illegible]	[illegible].	.3									[illegible].	[illegible].[illegible]
NW	4.	[illegible].[illegible]	1.[illegible]	.1								12.	4.[illegible]
NNW	2.[illegible]	4.1	1.[illegible]	.3								.[illegible]	4.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	24.	43.[illegible]	14.1	1.4								1[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 17[illegible]9

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 73 — STATION
[illegible]TICO, VA — STATION NAME
[illegible]-71,73-75 — YEARS
[illegible] — MONTH

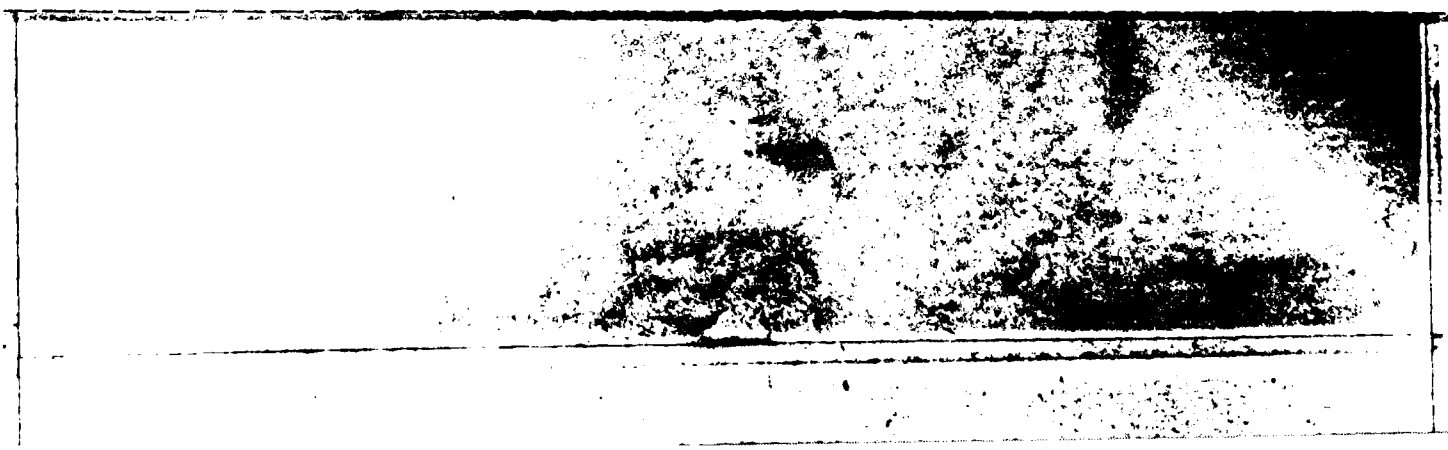
ALL [illegible]EATHE[illegible] — CLASS
[illegible]1 — HOURS (L.S.T.)

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	[illegible]	1[illegible]	[illegible]									[illegible]	5.4
NNE		1[illegible]										1[illegible]	[illegible].3
NE		[illegible]										[illegible]	[illegible]
ENE		[illegible]	[illegible]									1.1	[illegible]
E	[illegible].1	1.1										[illegible]	[illegible].6
ESE	[illegible]	[illegible]	[illegible]									1[illegible]	[illegible]
SE	[illegible]	[illegible]										1.1	4.5
SSE		.2										[illegible]	[illegible].5
S	[illegible]	[illegible].3	[illegible]									[illegible].6	[illegible]
SSW	[illegible]	2.	1.1									[illegible].8	[illegible]
SW	[illegible]	1[illegible]	[illegible]									[illegible]	[illegible]
WSW		[illegible]										[illegible]	[illegible]
W	[illegible].2											[illegible].2	2[illegible]
WNW	[illegible].4	[illegible]										[illegible]	[illegible]
NW	[illegible].1	1[illegible]	1[illegible]									2.	4[illegible]
NNW	[illegible].7	4.4	[illegible]									11[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	2.[illegible]	41.7	[illegible].4									1[illegible].[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 [illegible], VA [illegible] -71,73-75 [illegible]
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]	[illegible]	[illegible]								[illegible]	[illegible]
NNE		[illegible]	[illegible]									[illegible]	[illegible]
NE		.	[illegible]									[illegible]	[illegible]
ENE	.	1.1										[illegible]	[illegible]
E	.1	.										[illegible]	[illegible]
ESE	.		[illegible]									[illegible]	.
SE			.									.	[illegible]
SSE		.										[illegible]	[illegible]
S	1.1	1.	[illegible]									[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	.1
SW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WSW	[illegible]											[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	.	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NW	11.1	14.4	[illegible]									[illegible]	[illegible]
NNW	1.1	[illegible]	1.[illegible]									[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	1.1								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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]73	[illegible], VA	[illegible]-71,73-79	[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	[illegible]	1[illegible]	1[illegible]									[illegible]	[illegible]
NNE		[illegible]	[illegible]									2[illegible]	[illegible]
NE	[illegible]	1[illegible]	[illegible]									2[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									2[illegible]	[illegible]
E	[illegible]	2[illegible]										2[illegible]	[illegible]
ESE													
SE		[illegible]										[illegible]	[illegible]
SSE		[illegible]										[illegible]	[illegible]
S	[illegible]	[illegible]	1[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SW	[illegible]	1[illegible]										1[illegible]	[illegible]
WSW													
W	[illegible]	[illegible]										[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NW	1[illegible]	11[illegible]	[illegible]									[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
VARBL													
CALM												1[illegible]	
	[illegible]	[illegible]	1[illegible]	[illegible]								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

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]73	[illegible]ICO, VA	[illegible]-71,73-78	[illegible]

CLASS: ALL [illegible]

HOURS (L.S.T.): 1[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]									[illegible]	[illegible]
NNE	.	[illegible]	1.[illegible]	.4								[illegible]	[illegible]
NE	.	[illegible]	1.[illegible]									[illegible]	[illegible]
ENE	.	1.[illegible]	1.[illegible]									[illegible]	[illegible]
E	.	[illegible]										[illegible]	[illegible]
ESE		.										[illegible]	[illegible]
SE	[illegible]	[illegible]	.[illegible]									[illegible]	[illegible]
SSE	[illegible]	11.[illegible]	1.[illegible]									16.[illegible]	[illegible]
S	.	15.[illegible]	[illegible]									21.[illegible]	[illegible]
SSW	.	1.[illegible]	2.									[illegible]	[illegible]
SW	.		.									1.2	[illegible]
WSW		.	.									2.	[illegible]
W	.	.										1.[illegible]	[illegible]
WNW		.										.	[illegible]
NW	.	[illegible]	[illegible]									[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	.[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	17.[illegible]	[illegible]	22.[illegible]	1.2								10.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 (STATION) [illegible]TICO, VA (STATION NAME) 5[illegible]-71,73-78 (YEARS) [illegible] (MONTH)

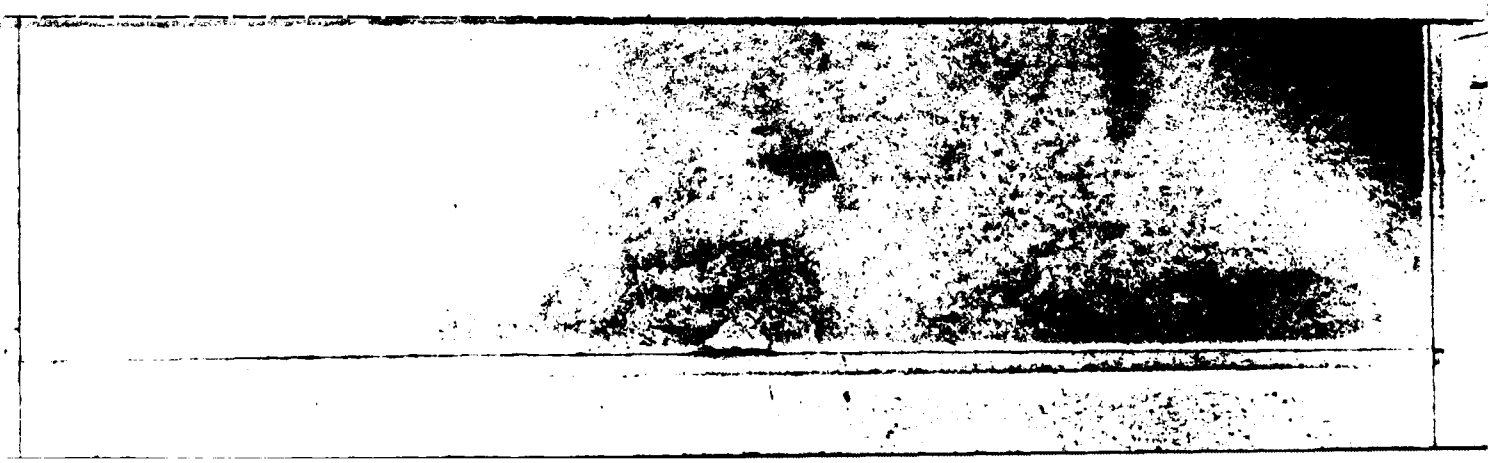
ALL WEATHER (CLASS) 1[illegible] (HOURS (L.S.T.))

(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	.	.4	2.4									6.3	[illegible].3
NNE	.	.	2.									[illegible]	[illegible].6
NE	1.	1.4	1.	.5								4.	5.5
ENE	2.4	3.	1.	.5								[illegible].7	[illegible].1
E	1.	1.4	.5									3.[illegible]	3.6
ESE	1.	1.4										2.4	4.4
SE	1.4	1.	1.4									4.[illegible]	5.0
SSE	.4	5.	1.9									11.1	4.7
S	.7	16.[illegible]		.5								27.1	4.1
SSW	1.	2.4										3.5	3.5
SW	.	.										1.[illegible]	3.5
WSW	1.	1.4										2.[illegible]	3.4
W	2.[illegible]	1.										[illegible].4	2.7
WNW	1.[illegible]	1.	1.4									3.	[illegible]
NW	.		.[illegible]									1.0	4.5
NNW		2.	2.[illegible]	.5								5.	6.7
VARBL													
CALM												6.[illegible]	
	30.0	45.	15.5	1.0								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS [illegible]7

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] STATION | [illegible] STATION NAME | [illegible]-73-78 YEARS | [illegible] MONTH

LL [illegible] CLASS | 1[illegible] HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.1	1.1									[illegible]	[illegible]
NNE		.	.[illegible]	.[illegible]								1.[illegible]	[illegible]
NE		.[illegible]	1.1									1.[illegible]	7.3
ENE		1.1	.[illegible]									1.	[illegible]
E	1.[illegible]	3.[illegible]	1.[illegible]									.[illegible]	[illegible]
ESE	.	1.[illegible]	.[illegible]									2.[illegible]	[illegible]
SE	.	[illegible]	1.1									[illegible]	[illegible]
SSE	.	[illegible]	1.[illegible]									6.[illegible]	.[illegible]
S	.[illegible]	2.1	.[illegible]	1.1								[illegible].9	[illegible]
SSW	[illegible].1	3.[illegible]	.[illegible]									4.[illegible]	[illegible]
SW	.	.[illegible]										1.1	3.[illegible]
WSW	[illegible].1											2.1	1.
W	[illegible].[illegible]	1.[illegible]										[illegible].	2.6
WNW	[illegible].4	.[illegible]										7.[illegible]	2.[illegible]
NW	[illegible].[illegible]	[illegible].[illegible]		.[illegible]								6.	[illegible].1
NNW	[illegible].1	2.[illegible]	1.[illegible]	.5								6.	.[illegible]
VARBL													
CALM												[illegible]6.	
	[illegible]0.0	[illegible]0.[illegible]	10.[illegible]	2.6								1[illegible].0	[illegible].3

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 (STATION) [illegible] ATLIC[illegible], VA (STATION NAME) 6[illegible]-71,73-75 (YEARS) [illegible] (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.										1.7	5.3
NNE			.									.[illegible]	8.[illegible]
NE		.	.[illegible]	.6								1.[illegible]	9.3
ENE			.									.[illegible]	10.0
E	1.1	1.[illegible]	.[illegible]									[illegible].3	4.8
ESE	[illegible].1	.[illegible]										1.[illegible]	3.3
SE	.	2.2	.6									3.3	4.8
SSE	1.[illegible]	1.1	1.1									3.[illegible]	4.9
S	1.1	3.	2.[illegible]	1.1								[illegible].9	7.2
SSW	2.2	2.	1.[illegible]									[illegible].7	[illegible].3
SW			.1									1.1	[illegible].5
WSW		[illegible].1										1.1	4.[illegible]
W	1.[illegible]	1.[illegible]	.[illegible]									3.[illegible]	[illegible].7
WNW	[illegible].[illegible]	3.3	.6									[illegible].	3.5
NW	1[illegible].2	[illegible].2	1.1	.6								[illegible].1	3.4
NNW	[illegible].2	4.4	1.1	.6								[illegible]	5.1
VARBL													
CALM												[illegible].[illegible]	
	[illegible]2.2	32.[illegible]	12.[illegible]	2.8								1[illegible]0.[illegible]	3.[illegible]

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

1 [illegible] 73 — STATION
[illegible] VA — STATION NAME
5 -71,73-78 — YEARS
[illegible] — 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.[illegible]	2.2	.1	.1							4.[illegible]	[illegible]
NNE	.[illegible]	1.2	1.[illegible]	.1								[illegible]	5.7
NE	.[illegible]	1.4	1.[illegible]	.1								[illegible].1	[illegible]
ENE	.[illegible]	1.[illegible]	.[illegible]	.1								[illegible].4	[illegible]
E	1.[illegible]	2.3	.4									4.[illegible]	[illegible]
ESE	.[illegible]	.[illegible]	.2									1.[illegible]	4.1
SE	.1	2.1	.[illegible]									3.[illegible]	4.6
SSE	2.[illegible]	4.[illegible]	.[illegible]	.1								7.6	4.6
S	[illegible].[illegible]	[illegible].6	1.8	.4								13.[illegible]	4.7
SSW	1.[illegible]	2.[illegible]	1.1									[illegible].[illegible]	[illegible].8
SW	.[illegible]	.[illegible]	.[illegible]	.1								1.[illegible]	.1
WSW	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	[illegible].[illegible]
W	[illegible].1	.[illegible]	.1									[illegible].[illegible]	[illegible].[illegible]
WNW	[illegible].3	2.[illegible]	.[illegible]	.1								[illegible].[illegible]	[illegible].[illegible]
NW	[illegible].5	6.[illegible]	1.1	.1								14.[illegible]	[illegible].9
NNW	1.[illegible]	4.[illegible]	2.[illegible]	.4								[illegible].[illegible]	[illegible].7
VARBL													
CALM												14.4	
	[illegible].4	41.[illegible]	[illegible].[illegible]	1.[illegible]	.1							[illegible].[illegible]	[illegible].1

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 (STATION) | QUANTICO, VA (STATION NAME) | 69-71,73-75 (YEARS) | OCT (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		[illegible]	1.1									[illegible]	[illegible]
NNE		[illegible]	[illegible]	[illegible]								3.[illegible]	6.6
NE	.1	1.1	[illegible]	[illegible]								[illegible]	[illegible]
ENE		1.[illegible]	1.[illegible]									[illegible]	[illegible]
E		[illegible]	[illegible]									[illegible]	5.4
ESE	.			[illegible]								1.1	[illegible]
SE		.1	.5									1.[illegible]	5.7
SSE		.										[illegible]	4.0
S	.	2.[illegible]	1.1									4.[illegible]	5.4
SSW	1.	1.[illegible]	1.1									4.[illegible]	4.8
SW		.	1.[illegible]									2.[illegible]	[illegible]
WSW		.1										1.1	.
W	[illegible]	[illegible]										1.1	3.5
WNW	[illegible]	3.	1.1									[illegible]	[illegible]
NW	11.[illegible]	1[illegible]	1.1									1.[illegible]	[illegible]
NNW	[illegible]	5.	1.[illegible]	1.1								10.	[illegible]
VARBL													
CALM												[illegible]	
	20.[illegible]	46.[illegible]	12.4	2.7								[illegible]	4.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

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]	[illegible], VA	65-71,73-76	OCT

CLASS: ALL WEATHER

HOURS (L.S.T.): 04

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.	2.5									5.	[illegible].3
NNE		.	1.4									1.[illegible]	[illegible].3
NE		1.	2.4									4.3	7.3
ENE	1.[illegible]	1.[illegible]	1.[illegible]									3.	[illegible].4
E	1.[illegible]	1.	.[illegible]									2.	4.[illegible]
ESE		.										.[illegible]	0.0
SE		.										.[illegible]	4.[illegible]
SSE	.[illegible]		.[illegible]	.[illegible]								1.4	7.[illegible]
S	1.[illegible]	1.										2.4	3.[illegible]
SSW	1.4	1.										1.4	3.6
SW	.	1.	.[illegible]									1.[illegible]	[illegible].
WSW		.										.[illegible]	[illegible].
W	1.	1.4										[illegible].4	3.[illegible]
WNW	[illegible].3	5.[illegible]	.[illegible]									11.	3.7
NW	1[illegible].	14.[illegible]	2.[illegible]									[illegible].6	4.2
NNW	2.[illegible]	3.	[illegible].4	1.								10.	5.[illegible]
VARBL													
CALM												16.[illegible]	
	2[illegible].[illegible]	30.4	15.4	1.4								1 0.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

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] 73	[illegible]TICO, VA	6[illegible]-71,73-77	[illegible]

CLASS: ALL WEATHER[illegible]

HOURS (L.S.T.): [illegible]7

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.3	4.	.4								.	7.4
NNE		.										.	4.1
NE	.	1.	1.2	.2								4.	7.5
ENE	.	1.3	.4	.4								.1	5.2
E	.	.2	.2									.3	4.6
ESE													
SE		.	.4	.2								1.	9.3
SSE		.										.	4.5
S	.	1.	.2									3.1	7.3
SSW	.	2.7	.2									.2	.2
SW	.	.4										.	.2
WSW	.		.2									1.	4.2
W			.									.	12.2
WNW	.2	4.4	1.7									.4	6.5
NW	12.2	15.3	4.									73.	6.1
NNW	2.	2.1	3.1	1.3								11.7	5.9
VARBL													
CALM												1.7	
	24.1	3.5	18.1	4.0								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 224

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: [illegible]-71,73-77 | MONTH: [illegible]

CLASS: ALL WEATHER | HOURS (L.S.T.): 1[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	.	2.	2.	1.3								7.	7.
NNE	.	2.1	1.	.4								5.	6.1
NE	1.	2.	2.	1.7								5.	7.
ENE	.	2.	1.									4.	6.
E	.	2.	.									3.	6.7
ESE	.	.										.	5.
SE	1.	1.	.									4.1	3.7
SSE	.	4.4	.									7.	4.4
S	4.	3.7	2.	.4								15.	5.
SSW	.	1.3	.									2.	5.
SW													
WSW	.4	.										1.	4.7
W		1.	.									1.	.
WNW	1.3	.	1.7									3.	5.
NW	1.	3.	1.7	.4								7.	5.
NNW	1.	3.1	4.4	4.								13.	5.
VARBL													
CALM												.	
	21.1	3 .	21.	.								1 0.	5.

TOTAL NUMBER OF OBSERVATIONS 2

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

73 — STATION
[illegible]ICO, VA — STATION NAME
[illegible]-71,73-77 — YEARS
[illegible] — MONTH
LL WEATHER — CLASS
1[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	[illegible]	MEAN WIND SPEED
N	1[illegible]	[illegible]	1[illegible]	2[illegible]								[illegible]	[illegible]
NNE	[illegible]	[illegible]	1[illegible]	[illegible]								[illegible]	[illegible]
NE	[illegible]	1[illegible]	1[illegible]	1[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE	[illegible]	1[illegible]	[illegible]		[illegible]							[illegible]	[illegible]
SE	[illegible]	[illegible]										3[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]									10[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]									17[illegible]	[illegible]
SSW	[illegible]	[illegible]	1[illegible]									3[illegible]	[illegible]
SW		[illegible]	[illegible]									1[illegible]	[illegible]
WSW		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
W		[illegible]	1[illegible]									[illegible]	[illegible]
WNW		1[illegible]	1[illegible]	[illegible]								3[illegible]	[illegible]
NW	[illegible]	2[illegible]	[illegible]	1[illegible]								[illegible]	[illegible]
NNW	[illegible]	1[illegible]	2[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												5[illegible]	
	1[illegible]	[illegible]	24[illegible]	[illegible]	[illegible]							1[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] STATION NAME: [illegible], VA YEARS: 6[illegible]-71,73-77 MONTH: [illegible]

CLASS: ALL WEATHER HOURS (L.S.T.): 1[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		[illegible]	[illegible]	1.[illegible]								[illegible]	.[illegible]
NNE		.[illegible]	1.	1.[illegible]								2.[illegible]	.[illegible]
NE	1.	4.[illegible]	1.									6.	[illegible].[illegible]
ENE	1.[illegible]	[illegible].	1.[illegible]	.5								[illegible].[illegible]	[illegible].[illegible]
E	1.	2.[illegible]										[illegible].	[illegible].[illegible]
ESE	.[illegible]	1.[illegible]	.[illegible]									1.[illegible]	[illegible].3
SE	.	[illegible].4		.[illegible]								4.4	[illegible].4
SSE	1.	2.[illegible]	1.									5.	[illegible].5
S	1.[illegible]	1.[illegible]	2.			.[illegible]						23.[illegible]	4.5
SSW	1.[illegible]	2.4	1.									[illegible].	4.[illegible]
SW	.	1.	1.									2.[illegible]	6.6
WSW	.	.[illegible]										1.[illegible]	[illegible].5
W		[illegible].	1.									1.[illegible]	[illegible].5
WNW	.	2.[illegible]	.[illegible]									[illegible].	4.[illegible]
NW	.	1.	.[illegible]	1.[illegible]								2.[illegible]	[illegible].5
NNW	.[illegible]	1.[illegible]	[illegible].[illegible]	1.								[illegible].[illegible]	[illegible].
VARBL													
CALM												[illegible].	
	[illegible].[illegible]	4[illegible].	[illegible].3	[illegible].[illegible]		.[illegible]						[illegible] 0.[illegible]	[illegible].2

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

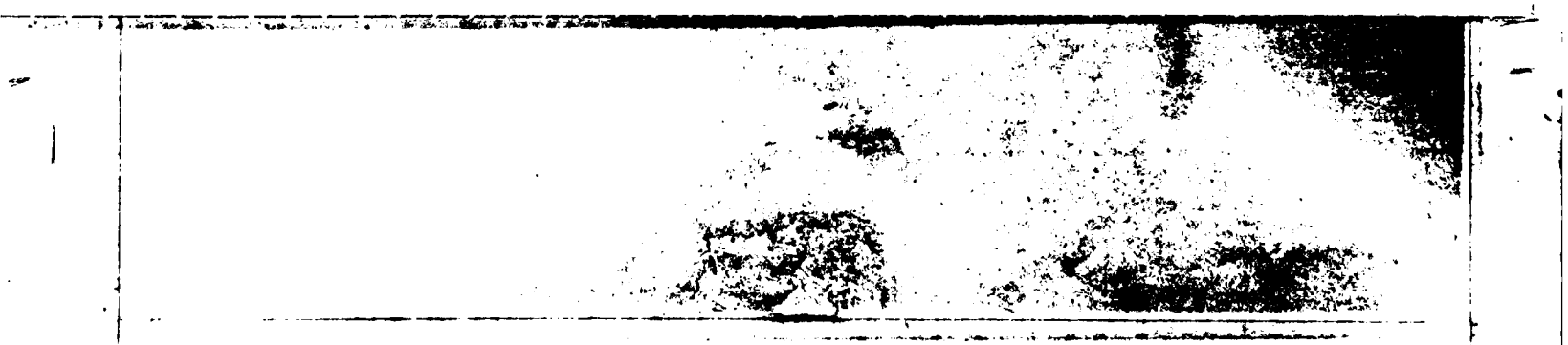
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] 73 — STATION
[illegible] C, VA — STATION NAME
-71,73-77 — YEARS
[illegible] — MONTH
LL WEATHER — CLASS
1[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]•1	[illegible]•5
NNE		•	1•									2•1	[illegible]•[illegible]
NE		•	2•	•[illegible]								[illegible]•1	[illegible]•[illegible]
ENE	•		1•									1•	[illegible]•[illegible]
E	•	1•	1•									2•[illegible]	[illegible]•[illegible]
ESE	•	1•	•[illegible]	•[illegible]								2•[illegible]	[illegible]•5
SE		•1	1•[illegible]									4•[illegible]	[illegible]•[illegible]
SSE	1•	1•	•[illegible]									[illegible]•1	[illegible]•5
S	•1	[illegible]•1	•[illegible]									•7	[illegible]•[illegible]
SSW	•	1•	1•									2•	[illegible]•[illegible]
SW	•	[illegible]•1										[illegible]•	[illegible]•[illegible]
WSW	•	•										1•	[illegible]•[illegible]
W	•1	•										3•	2•3
WNW	•1	2•										•7	[illegible]•[illegible]
NW	[illegible]•[illegible]	[illegible]•[illegible]	1•[illegible]									11•	[illegible]•[illegible]
NNW	•1	3•1	2•[illegible]	1•								[illegible]•[illegible]	•[illegible]
VARBL													
CALM												2•1	
	21•	[illegible]•[illegible]	1[illegible]•[illegible]	2•1								1 0•[illegible]	[illegible]•3

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] STATION NAME: [illegible], VA YEARS: [illegible]-71, 73-77 MONTH: [illegible]

CLASS: ALL EA[illegible] 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	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNE	[illegible]	1.2	[illegible]	[illegible]								[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]	.1								[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	.1	.1							[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]	.1								[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	.1		[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	.1								[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]	.1								[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	.1								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	.4								[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	.1	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 73 | [illegible]IC[illegible], VA | [illegible]-71, 73-75 | N[illegible]
STATION | STATION NAME | YEARS | MONTH

ALL [illegible]
CLASS

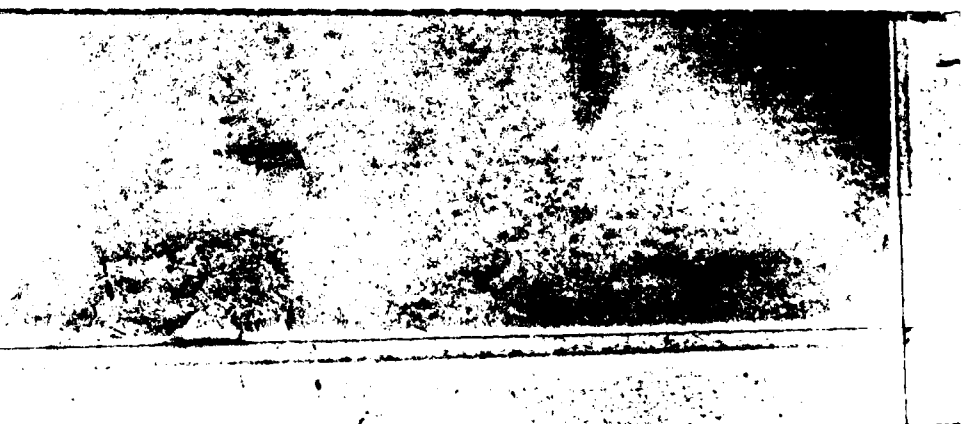
[illegible]
HOURS (L.S.T.)

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	[illegible]	[illegible]	[illegible]	1.1								[illegible].7	6.
NNE	[illegible].1	1.1										[illegible].2	[illegible].
NE		[illegible]										[illegible]	6.[illegible]
ENE	[illegible]	[illegible]										1.1	[illegible].
E	[illegible].[illegible]	[illegible]										2.[illegible]	2.
ESE		[illegible]	[illegible]									1.1	[illegible].
SE	[illegible].[illegible]	[illegible]	[illegible]									2.	3.[illegible]
SSE													
S	1.[illegible]	[illegible].	1.[illegible]									[illegible].2	[illegible].1
SSW	[illegible].	[illegible].4	[illegible]	[illegible]								[illegible].2	[illegible].3
SW		[illegible].1	1.1									[illegible].2	[illegible].5
WSW		[illegible]	[illegible]									1.1	[illegible].[illegible]
W	[illegible]	[illegible]										[illegible].	2.[illegible]
WNW	.4	[illegible].[illegible]	[illegible]	[illegible]	.6							12.[illegible]	5.3
NW	11.2	[illegible]	[illegible].4	1.1								[illegible].[illegible]	4.3
NNW	[illegible].1	[illegible].4	[illegible]	2.[illegible]								[illegible]	[illegible].4
VARBL													
CALM												1[illegible].	
	[illegible].1	34.	1[illegible].	[illegible].6	.6							1 0.[illegible]	[illegible].2

TOTAL NUMBER OF OBSERVATIONS [illegible]7

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]73	[illegible]ORFOLK, VA	[illegible]-71,73-75	N[illegible]

CLASS: ALL WEATHER

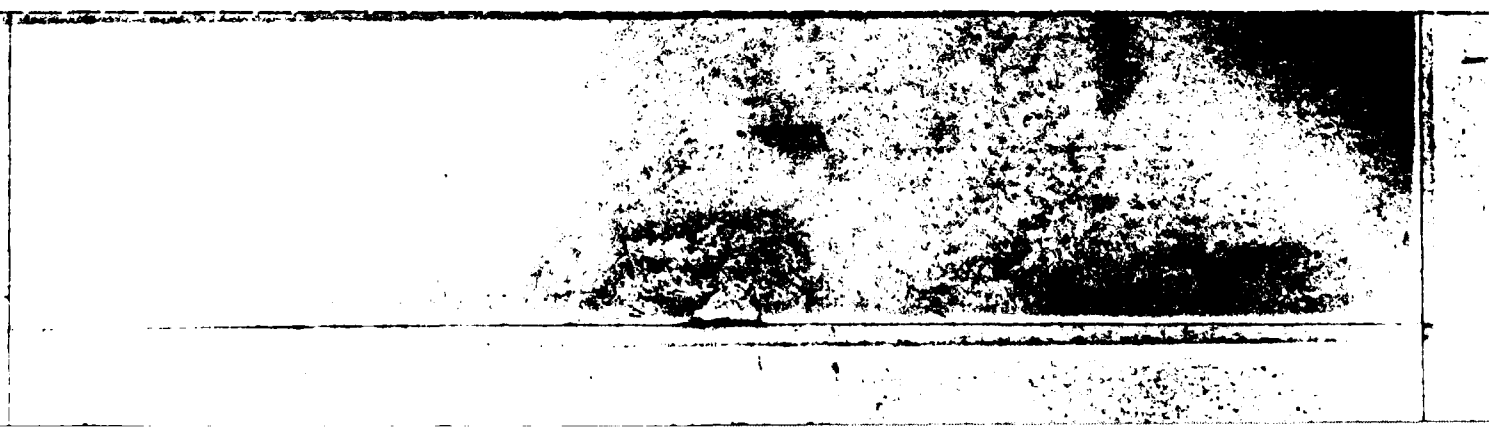
HOURS (L.S.T.): [illegible]6

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	.6								[illegible].6	7.[illegible]
NNE	.											.	[illegible].[illegible]
NE		.										.	[illegible].[illegible]
ENE	.	.[illegible]										1.1	4.5
E		.										.	[illegible].[illegible]
ESE													
SE		1.1										1.1	[illegible].[illegible]
SSE		.										.	[illegible].[illegible]
S		.	1.[illegible]	1.1								[illegible].6	7.6
SSW	.	[illegible].[illegible]										[illegible].4	4.[illegible]
SW	.	1.[illegible]										[illegible].[illegible]	4.[illegible]
WSW	1.1	1.[illegible]		.[illegible]								[illegible].4	[illegible].[illegible]
W	1.[illegible]	[illegible].[illegible]										4.5	3.[illegible]
WNW	[illegible].[illegible]	[illegible].[illegible]	.6	.6								[illegible].[illegible]	4.[illegible]
NW	.[illegible]	7.[illegible]	[illegible].4	.6								1.[illegible]	4.5
NNW	[illegible].[illegible]	[illegible].[illegible]	[illegible].4	.6								[illegible].2	5.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	1[illegible].[illegible]	3[illegible].[illegible]	11.[illegible]	3.[illegible]								1[illegible].[illegible]	3.7

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / STATION | [illegible] VA / STATION NAME | [illegible]-71,72-77 / YEARS | NOV / 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	.	2.	1.	.								.	[illegible]
NNE	[illegible]	.										1.	3.7
NE		.	1.									1.	5.7
ENE		.										.	[illegible]
E		[illegible]		.								1.	7.7
ESE													
SE		.	.									1.	[illegible]
SSE	.	.	.									1.	[illegible]
S	[illegible]	2.	.	1.								.5	[illegible]
SSW	.	1.	[illegible]									[illegible]	[illegible]
SW		.	.									1.	[illegible]
WSW	.	1.	.									.	5.3
W	[illegible]	[illegible]		.								[illegible]	[illegible]
WNW	.	[illegible]	1.		.5							14.	4.2
NW	[illegible]	12.	2.									[illegible]	4.4
NNW	1.	7.	4.	3.								14.	6.
VARBL													
CALM												[illegible]	
	21.	[illegible]	14.	4.5	.							100.	4.3

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-77 | N[illegible]
STATION | STATION NAME | YEARS | MONTH

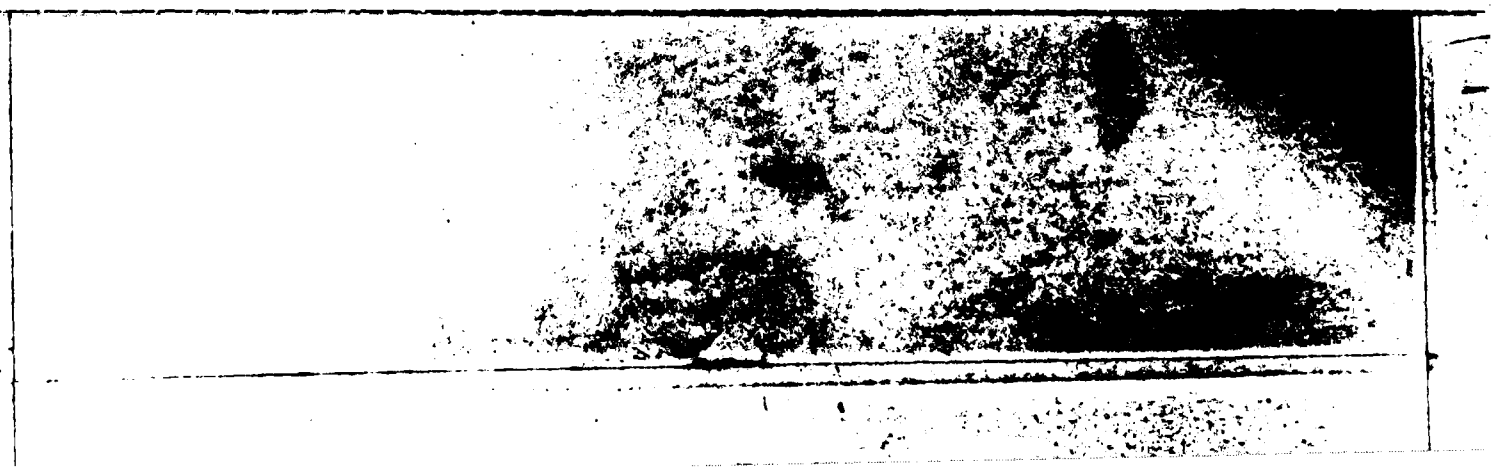
ALL WEATHER | 1[illegible]
CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.	[illegible]	1.4								5.	[illegible]
NNE	.3	.5	1.[illegible]									4.	[illegible]
NE	1.	2.	.[illegible]									[illegible].1	4.5
ENE	.	1.[illegible]	.[illegible]									[illegible].3	4.6
E	.	.[illegible]										1.	3.3
ESE	.	.	.[illegible]									1.[illegible]	4.[illegible]
SE	.	.										1.[illegible]	2.7
SSE	1.	4.[illegible]										[illegible].[illegible]	4.1
S	[illegible].[illegible]	1[illegible].1	[illegible].2	.[illegible]								1[illegible].9	5.1
SSW	.		.[illegible]	.[illegible]								1.[illegible]	7.3
SW	.[illegible]	.	1.[illegible]	.[illegible]								[illegible].2	6.[illegible]
WSW		[illegible].7	.	.[illegible]								3.[illegible]	6.5
W	1.[illegible]	.	1.[illegible]	.5								4.[illegible]	6.7
WNW	.	1.[illegible]	3.2		.[illegible]							6.[illegible]	7.9
NW	1.	[illegible].[illegible]	3.2	.[illegible]								[illegible].[illegible]	6.9
NNW	.	2.3	7.4	1.4	.5							12.[illegible]	.[illegible]
VARBL													
CALM												[illegible].1	
	1[illegible].9	3[illegible].0	2[illegible].6	6.0	1.4							[illegible].[illegible]	5.7

TOTAL NUMBER OF OBSERVATIONS [illegible]17

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-77 | [illegible]
STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.[illegible]	2.[illegible]	.[illegible]								5.[illegible]	7.8
NNE	.[illegible]	.[illegible]	2.3	.5								4.[illegible]	6.[illegible]
NE	.	1.4	.[illegible]									2.[illegible]	5.2
ENE		.	.									1.4	6.[illegible]
E	.[illegible]	.	.[illegible]									1.	4.[illegible]
ESE		.[illegible]		.[illegible]								.[illegible]	[illegible]
SE	1.[illegible]	2.[illegible]										3.[illegible]	4.[illegible]
SSE	[illegible]	3.[illegible]	.9									[illegible]	[illegible]
S	[illegible]	1.[illegible]	7.8	1.8								23.[illegible]	6.1
SSW		1.	2.3									[illegible]	[illegible]
SW		.	2.[illegible]	.5								3.[illegible]	[illegible]
WSW		[illegible]	.[illegible]									[illegible]	5.[illegible]
W		.	[illegible]	.[illegible]								4.1	.[illegible]
WNW		1.	2.[illegible]	[illegible]	.5							[illegible]	[illegible]
NW	.	[illegible]	[illegible]	4.6		.[illegible]						11.[illegible]	9.7
NNW	.	2.3	1.	2.3								6.	[illegible]
VARBL													
CALM												.[illegible]	
	1.[illegible]	35.6	31.1	14.6	.5	.						1 0.[illegible]	[illegible].7

TOTAL NUMBER OF OBSERVATIONS 1

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | 68-71,73-77 | N[illegible]
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

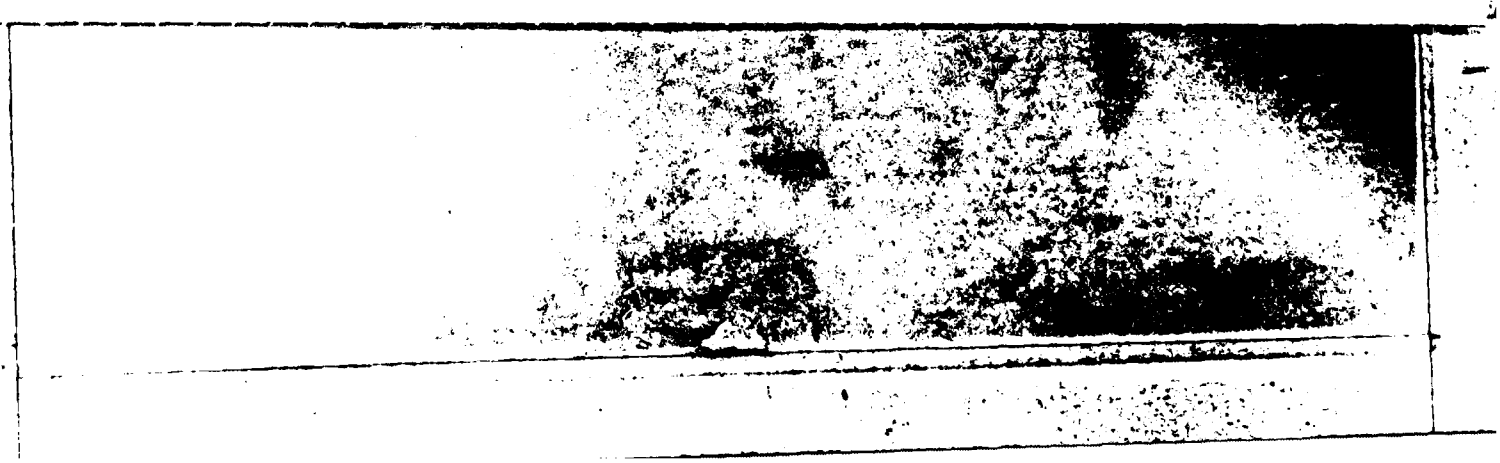
[illegible]
HOURS (L.S.T.)

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	.	[illegible]	[illegible]	[illegible]								[illegible]	6.4
NNE		[illegible]	1.									2.	[illegible]
NE	.	2.	1.									3.	5.4
ENE	.	1.	.									[illegible]	4.5
E	.											.	2.
ESE	1.	.	.	.								[illegible]	5.[illegible]
SE	.	2.	1.									3.	5.6
SSE	[illegible]	1.	1.									[illegible]	4.5
S	.4	6.	[illegible]	.								[illegible]	5.[illegible]
SSW	[illegible]	2.	1.									[illegible]	[illegible]
SW	.	[illegible]	.	.								[illegible]	0.1
WSW	.	1.	1.	.								4.	6.9
W		2.	.	.								3.	6.6
WNW	1.	2.	[illegible]	1.								[illegible]	[illegible]
NW	1.	[illegible]	[illegible]	1.	.							[illegible]	[illegible]
NNW	.	1.	[illegible]	[illegible]								12.	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	29.7	9.9	.							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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] 73	[illegible] VA	[illegible]-71,73-77	N[illegible]

CLASS: ALL WEATHER

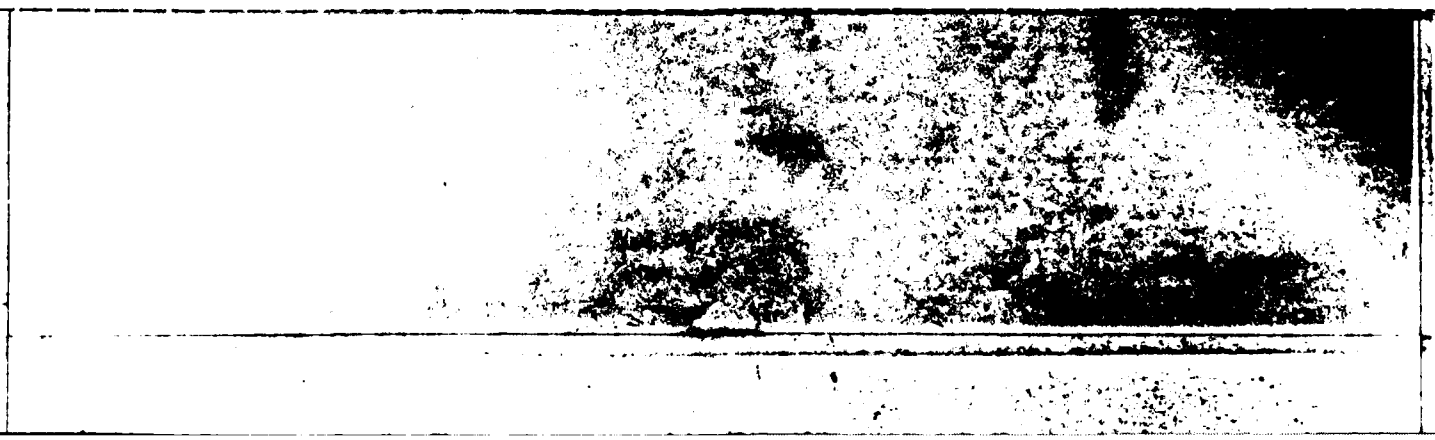
CONDITION:

HOURS (L S T.): 1[illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	1.1									[illegible].5	[illegible].9
NNE		.[illegible]										.[illegible]	[illegible].[illegible]
NE		.[illegible]	.[illegible]									1.1	[illegible].[illegible]
ENE	.[illegible]	1.1										1.[illegible]	[illegible].7
E	[illegible].1											1.1	1.[illegible]
ESE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	[illegible].[illegible]
SE	.	.[illegible]	1.1									[illegible].2	[illegible].5
SSE		.1	.[illegible]									1.7	[illegible].[illegible]
S	[illegible].3	[illegible].	1.[illegible]									[illegible].8	[illegible].4
SSW	[illegible].2	[illegible].	2.2	.6								[illegible].8	[illegible].5
SW		.[illegible]	1.1									[illegible].3	5.8
WSW	.	.[illegible]										1.1	3.5
W	[illegible].	.[illegible]		.[illegible]								3.[illegible]	[illegible].1
WNW	.4	[illegible].	1.1	.6								[illegible].6	4.[illegible]
NW	[illegible].[illegible]	5.[illegible]	2.2	1.1								1.[illegible]2	5.[illegible]
NNW	1.[illegible]	5.[illegible]	5.[illegible]	1.1	.6							13.	[illegible].[illegible]
VARBL													
CALM												23.	
	2[illegible].[illegible]	32.[illegible]	17.7	[illegible].[illegible]	.6							1 0.0	[illegible].2

TOTAL NUMBER OF OBSERVATIONS [illegible]1

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]73	[illegible]SVILLE, VA	[illegible]-71,73-77	NOV

CLASS: ALL WEATHER

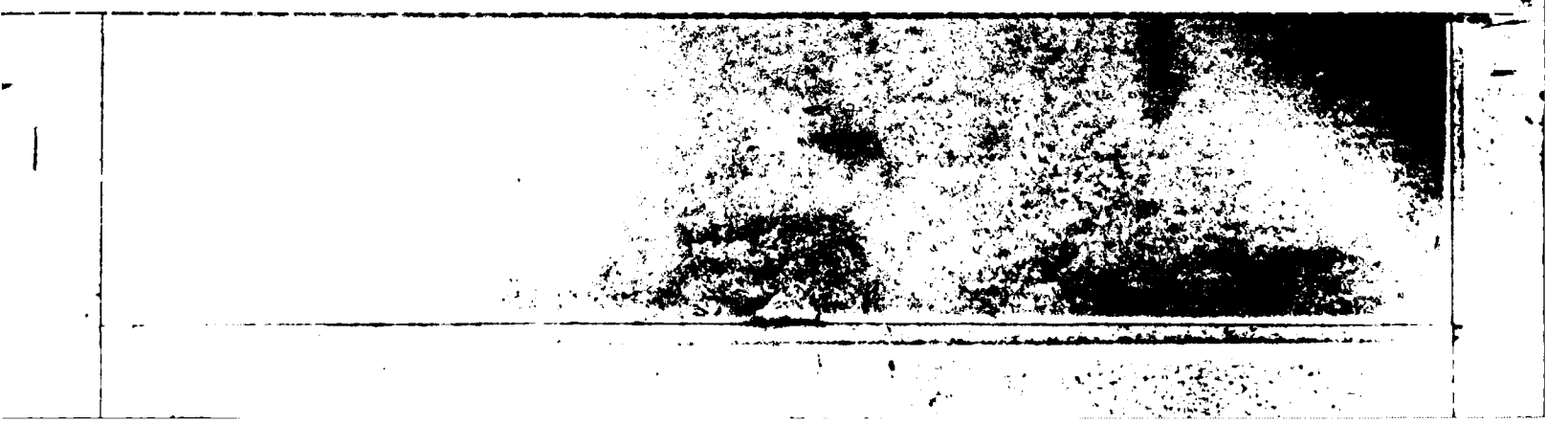
CONDITION:

HOURS (L.S.T.): 1[illegible]

SPEED (KNTS) DIR.	1 - 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]	1.1									[illegible].5	[illegible].9
NNE		[illegible]										[illegible]	[illegible]
NE		[illegible]	[illegible]									1.1	[illegible]
ENE	[illegible]	1.1										1.[illegible]	3.7
E	[illegible].1											1.1	1.9
ESE	[illegible]	[illegible]	[illegible]									1.[illegible]	[illegible]
SE	[illegible]	[illegible]	1.1									[illegible].2	[illegible].9
SSE		[illegible].1	[illegible]									1.7	[illegible].3
S	[illegible].3	[illegible]	1.[illegible]									[illegible].8	[illegible].4
SSW	[illegible].[illegible]	[illegible]	[illegible].[illegible]	[illegible]								[illegible].8	[illegible].5
SW		[illegible].[illegible]	1.1									[illegible].3	5.8
WSW	[illegible]	[illegible]										1.1	3.5
W	[illegible]	[illegible]		[illegible]								[illegible]	[illegible].1
WNW	[illegible].4	[illegible]	1.1	[illegible]								[illegible].8	[illegible]
NW	[illegible]	[illegible]	[illegible].[illegible]	1.1								1[illegible].2	[illegible].5
NNW	[illegible]	[illegible]	[illegible].[illegible]	1.1	[illegible]							13.	[illegible].[illegible]
VARBL													
CALM												[illegible]3.	
	[illegible]1.	32.[illegible]	17.[illegible]	[illegible].[illegible]	.6							1[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible]73 [illegible]ICO, VA [illegible]-71,73-75 N.
STATION STATION NAME YEARS MONTH

ALL WEATHER 12
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].	1.1									[illegible].5	[illegible].6
NNE													
NE	.[illegible]	.[illegible]	1.1									[illegible].[illegible]	[illegible].[illegible]
ENE			.1									1.1	[illegible].[illegible]
E		.	.[illegible]									1.1	[illegible].[illegible]
ESE	.[illegible]											.	2.2
SE		.[illegible]	.6									2.	5.[illegible]
SSE	.[illegible]	.[illegible]	1.1									[illegible].2	[illegible].3
S	.[illegible]	[illegible].4	[illegible].4									[illegible].[illegible]	[illegible].4
SSW	.	[illegible].	1.1									[illegible].5	4.4
SW	.	1.[illegible]		.[illegible]								2.	[illegible].
WSW	.	2.[illegible]										[illegible].4	4.[illegible]
W	.	.[illegible]	.[illegible]									1.[illegible]	[illegible].[illegible]
WNW	[illegible].4	6.7	1.1	.6								11.	[illegible].3
NW	[illegible].[illegible]	[illegible].4	1.[illegible]	2.[illegible]								0.2	5.0
NNW	[illegible].4	5.6	[illegible].4	2.2								14.[illegible]	[illegible].[illegible]
VARBL													
CALM												17.[illegible]	
	20.[illegible]	[illegible].[illegible]	16.	6.2								10.[illegible]	4.5

TOTAL NUMBER OF OBSERVATIONS 17

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

CONDITION

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.	.	.6								.	6.
NNE	.	.	.	.1								.1	6.
NE	.	1.2	.									.3	5.
ENE	.2	.	.2									1.	4.
E	.	.	.1	.1								1.	4.
ESE	.	.	.	.1								1.2	5.
SE	.	1.2	.									.3	5.
SSE	.2	1.	.									.	4.4
S	.	.	.	.								12.	5.6
SSW	.	2.2	1.4	.2								4.	.6
SW	.	1.4	.	.3								.	.
WSW	.	1.7	.	.2								2.	.
W	1.	1.	.	.3								.	.
WNW	.1	3.	1.7	.9	.2							.	.
NW	.4	6.2	2.	1.6	.1	.1						1.	5.7
NNW	1.	4.1	4.4	2.	.1							12.2	5.4
VARBL													
CALM												1.	
	1.2	35.	21.	7.0	.	.1						1 0.	.

TOTAL NUMBER OF OBSERVATIONS 1 54

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | [illegible]-71,73-75 | DEC
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

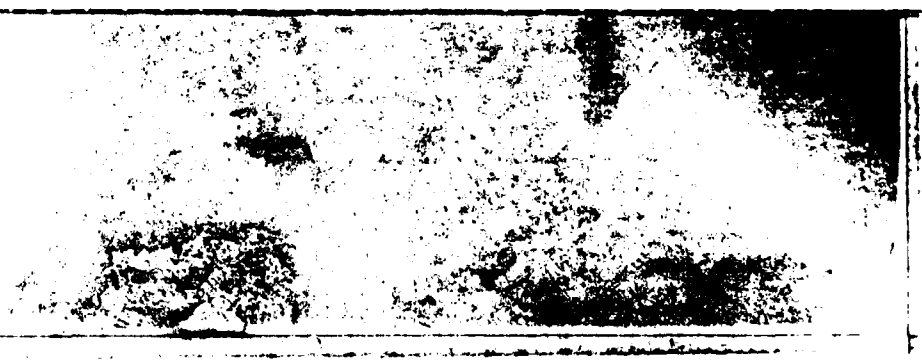
HOURS (L.S.T.)

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	.1	[illegible]	1.1	.[illegible]								[illegible]	[illegible]
NNE	.1	.[illegible]	1.1	.[illegible]								[illegible]	6.[illegible]
NE		.1										1.1	[illegible]
ENE		.1										1.1	4.
E	.	.[illegible]										1.1	3.
ESE		.	.									1.1	.
SE	.	1.1										1.[illegible]	[illegible].3
SSE			.1									1.1	1[illegible]
S		[illegible]	[illegible]									4.	[illegible]
SSW	.	[illegible].2	1.1		.[illegible]							[illegible]	7.[illegible]
SW	.	2.[illegible]	1.[illegible]									[illegible]	6.[illegible]
WSW	.1	1.1	.[illegible]									[illegible]	[illegible]
W	.1	1.[illegible]	.[illegible]									.2	[illegible].5
WNW	.[illegible]	4.[illegible]	.[illegible]									.[illegible]	[illegible].1
NW	.1	1.[illegible]	[illegible].[illegible]	.[illegible]	.[illegible]							[illegible].4	4.
NNW	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.1								[illegible].6	[illegible].[illegible]
VARBL													
CALM												1.[illegible]	
	22.0	[illegible].7	16.1	2.7	1.1							[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)

[illegible] | [illegible], VA | [illegible]-71,73-75 | [illegible]
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | [illegible]
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]	[illegible]	1.1									[illegible]	[illegible]
NNE			.	1.1								1.[illegible]	1[illegible].7
NE	1.		.	.[illegible]								[illegible]	[illegible].4
ENE		.1										1.1	.[illegible]
E													
ESE	.											.	.
SE	.1	.[illegible]										1.[illegible]	2.[illegible]
SSE	.	1.1										1.[illegible]	4.
S	.[illegible]	2.[illegible]	.[illegible]									[illegible].4	[illegible].3
SSW	.[illegible]	[illegible].[illegible]	[illegible].[illegible]		.[illegible]							[illegible].[illegible]	.1
SW		.										.	[illegible]
WSW			.1									1.1	1 .[illegible]
W	.	1.1										[illegible].[illegible]	.
WNW	.	[illegible].[illegible]	1.[illegible]	1.1								10.	[illegible].
NW	.[illegible]	11.[illegible]	[illegible].[illegible]	.[illegible]	.[illegible]							22.	4.[illegible]
NNW	.[illegible]	4.[illegible]	[illegible].[illegible]	2.[illegible]								13.4	5.
VARBL													
CALM												[illegible].[illegible]	
	.[illegible]	[illegible].[illegible]	12.[illegible]	[illegible].[illegible]	1.1							1 0.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

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]	[illegible]TIC, VA	[illegible]-71,73-77	DEC

CLASS: ALL WEATHER

HOURS (L.S.T.): 1[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	.4	.	.1	2.[illegible]								[illegible]	[illegible]
NNE	.	1.	.[illegible]									[illegible].1	[illegible].6
NE	.	2.[illegible]	.[illegible]									[illegible]	[illegible].6
ENE	.[illegible]	1.			.[illegible]							.[illegible]	[illegible].3
E	.	1.										[illegible]	[illegible]
ESE	1.											1.[illegible]	1.[illegible]
SE		.	.									1.[illegible]	[illegible]
SSE	1.	4.	[illegible].[illegible]									7.	[illegible].1
S	.6	[illegible].[illegible]	[illegible].	1.[illegible]								[illegible].[illegible]	[illegible]
SSW	.[illegible]	[illegible].[illegible]		.4								[illegible].1	[illegible].1
SW		.	1.[illegible]	.4								3.1	7.
WSW		.	1.[illegible]	.4								[illegible].[illegible]	.
W	.	1.[illegible]	.	.4								3.1	[illegible]
WNW		1.	1.[illegible]	2.[illegible]								[illegible].[illegible]	[illegible].3
NW	1.	[illegible].[illegible]	[illegible].	4.	.4							11.[illegible]	[illegible].9
NNW		[illegible].[illegible]	4.	[illegible].	.4							11.[illegible]	.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	[illegible].0	[illegible]3.[illegible]	24.[illegible]	15.[illegible]	1.[illegible]							[illegible]0.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible], VA -71,73-77 DEC

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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.	2.[illegible]	.[illegible]								[illegible]	[illegible]
NNE	.	1.[illegible]										1.	4.5
NE	3.4	2.	1.	1.[illegible]								[illegible].1	[illegible].4
ENE	1.4	1.	.[illegible]									[illegible].	4.[illegible]
E	.											.	[illegible].
ESE	.											.	2.[illegible]
SE	[illegible].	1.[illegible]	.[illegible]	.[illegible]								2.[illegible]	5.[illegible]
SSE	[illegible].	.[illegible]	1.	.5								3.[illegible]	[illegible].1
S	[illegible].[illegible]	[illegible].1	2.[illegible]	.[illegible]								17.1	4.[illegible]
SSW	.	1.	1.[illegible]	.[illegible]								4.[illegible]	[illegible].7
SW		[illegible].	.[illegible]									1.[illegible]	6.3
WSW	.	2.										[illegible].[illegible]	4.[illegible]
W	1.	1.[illegible]	1.[illegible]	.[illegible]								5.[illegible]	[illegible].[illegible]
WNW	.	2.[illegible]	2.[illegible]	.[illegible]								[illegible].1	.
NW		.[illegible]	[illegible].[illegible]	3.3	.5							10.[illegible]	.[illegible]
NNW	[illegible].	2.[illegible]	[illegible].	1.[illegible]								[illegible].	.[illegible]
VARBL													
CALM												1[illegible].[illegible]	
	2[illegible].	34.3	21.[illegible]	9.[illegible]	.[illegible]							1[illegible].0	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible], VA | -71, 73-77 | D[illegible]C
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	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NNE		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
NE	[illegible]		[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]										[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ESE	[illegible]	[illegible]										[illegible]	[illegible]
SE		[illegible]										[illegible]	[illegible]
SSE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WSW		[illegible]										[illegible]	[illegible]
W	[illegible]	[illegible]										[illegible]	[illegible]
WNW	[illegible]		[illegible]	[illegible]								[illegible]	[illegible]
NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: 6[illegible]-71, 73-75 | MONTH: DEC

CLASS: ALL WEATHER | HOURS (L.S.T.): [illegible]2

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	[illegible]	[illegible]								[illegible]	[illegible]
NNE	1.[illegible]	1.1			[illegible]							[illegible]	[illegible]
NE	[illegible]	1.[illegible]	[illegible]	[illegible]								[illegible]	6.3
ENE			[illegible]									[illegible]	7.[illegible]
E	[illegible]	[illegible]	1.1									[illegible].2	[illegible]
ESE	[illegible]	[illegible]										1.1	4.5
SE	[illegible].1	1.[illegible]										2.[illegible]	4.2
SSE		1.[illegible]										1.[illegible]	[illegible]
S	1.1	[illegible]										[illegible]	3.9
SSW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SW		[illegible]	1.1	[illegible]								[illegible]	[illegible]
WSW	[illegible]	[illegible]		[illegible]								1.[illegible]	[illegible].7
W	[illegible]	1.[illegible]										[illegible]	[illegible].7
WNW	[illegible].[illegible]	1.[illegible]	1.[illegible]									[illegible]	4.1
NW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]2.	5.4
NNW	[illegible]	[illegible]	[illegible]	1.6								10.	6.[illegible]
VARBL													
CALM												[illegible]	
	[illegible].3	[illegible]	16.7	7.0	[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)

STATION	STATION NAME	YEARS	MONTH
73	[illegible], VA	6[illegible]-71,73-77	D[illegible]

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]	2.	2.	.[illegible]	.1							[illegible]	[illegible]
NNE	.	1.2	.[illegible]	.2	.1							2.[illegible]	6.2
NE	.	1.[illegible]	.[illegible]	.2	.1							[illegible]	5.6
ENE	1.[illegible]	.	.[illegible]	.1	.1							.[illegible]	4.[illegible]
E	.	.[illegible]	.[illegible]			.						1.[illegible]	[illegible].7
ESE	.	.[illegible]	.1									.[illegible]	7.3
SE	.	.	.[illegible]	.1								1.[illegible]	4.3
SSE	.[illegible]	1.2	.	.1								[illegible].1	5.[illegible]
S	.	[illegible].	2.3	.3								10.[illegible]	5.1
SSW	.	2.[illegible]	1.[illegible]	.1	.1							[illegible].1	[illegible].1
SW	.	1.1	.[illegible]	.1								[illegible].1	.4
WSW	.[illegible]	1.	.[illegible]	.1								1.[illegible]	5.7
W	1.[illegible]	1.[illegible]	.[illegible]	.2								3.[illegible]	4.8
WNW	3.	2.3	1.[illegible]	.[illegible]	.1							[illegible].4	5.5
NW	[illegible].4	6.[illegible]	2.	2.[illegible]	.4							15.[illegible]	6.2
NNW	.3	4.[illegible]	3.[illegible]	2.7	.3							1.[illegible]	[illegible].5
VARBL													
CALM												11.[illegible]	
	22.1	32.	17.9	[illegible].[illegible]	1.2	.1						100.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 1 21

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]73	[illegible]TICO, VA	6[illegible]-71,73-78	ALL

CLASS: ALL [illegible]EATHER

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	.[illegible]	2.3	1.[illegible]	.6	.[illegible]	.[illegible]						[illegible].3	6.[illegible]
NNE	.[illegible]	1.1	.	.1	.[illegible]							2.[illegible]	6.2
NE	.[illegible]	1.4	1.[illegible]	.2	.[illegible]							3.[illegible]	6.[illegible]
ENE	.[illegible]	1.[illegible]	.	.1	.							2.[illegible]	5.5
E	.	1.[illegible]	.3	.[illegible]		.						2.[illegible]	4.5
ESE	.	.[illegible]	.	.[illegible]	.[illegible]							2.[illegible]	4.[illegible]
SE	1.[illegible]	2.[illegible]	.[illegible]	.[illegible]								3.[illegible]	4.9
SSE	1.[illegible]	[illegible].1	1.2	.1	.							[illegible].[illegible]	[illegible].1
S	.	6.1	3.1	.[illegible]		.						12.[illegible]	5.4
SSW	.1	2.4	1.4	.2	.							[illegible].1	[illegible].6
SW	.	.	.[illegible]	.1	.[illegible]							2.2	5.[illegible]
WSW	.[illegible]	.[illegible]	.[illegible]	.1	.[illegible]	.[illegible]						.1	5.3
W	1.[illegible]	1.[illegible]	.8	.2	.[illegible]							4.5	[illegible].[illegible]
WNW	[illegible].[illegible]	3.[illegible]	1.4	.[illegible]	.1	.						.1	[illegible].3
NW	.1	[illegible].1	2.[illegible]	1.[illegible]	.1	.						1.[illegible]	5.5
NNW	1.[illegible]	3.[illegible]	[illegible].	1.2	.1	.						.[illegible]	6.7
VARBL													
CALM												14.[illegible]	
	21.[illegible]	37.[illegible]	20.[illegible]	[illegible].2	.4	.[illegible]						1[illegible].[illegible]	[illegible].

TOTAL NUMBER OF OBSERVATIONS [illegible]11

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

73	[illegible] VA	[illegible]-71,73-78	ALL
STATION	STATION NAME	YEARS	MONTH

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

CIG [illegible] TO 1400 FT AND/OR VSBY 1/2 MI TO [illegible]

AND/OR VSBY 1/2 TO 2-1/2 MI AND/OR CIG 200 FT TO 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]	2.[illegible]	1.	.							.[illegible]	6.[illegible]
NNE	.	2.[illegible]	2.1	.[illegible]	.1							.3	[illegible].7
NE	.	[illegible].2	2.	.6	.[illegible]							[illegible].[illegible]	[illegible].7
ENE	.1	2.[illegible]	1.[illegible]	.3	.[illegible]							5.[illegible]	6.
E	1.	2.1	.[illegible]	.1		.						4.[illegible]	[illegible].1
ESE	.	1.1	.[illegible]	.1								2.4	4.
SE	.1	1.	.[illegible]	.[illegible]								3.[illegible]	[illegible].1
SSE	1.	2.[illegible]	1.1	.1								[illegible].[illegible]	[illegible].[illegible]
S	[illegible].	[illegible].[illegible]	2.1	.[illegible]								3.7	[illegible].3
SSW	1.	1.	.[illegible]	.1								[illegible].4	[illegible].
SW	.	.[illegible]	.[illegible]	.								.	.[illegible]
WSW	.	.	.[illegible]	.								1.	4.4
W	1.	.[illegible]	.[illegible]									2.[illegible]	3.
WNW	1.[illegible]	1.	.	.[illegible]	.1							[illegible].[illegible]	[illegible].[illegible]
NW	[illegible].	[illegible].4	1.1	.[illegible]	.[illegible]							[illegible].[illegible]	[illegible].[illegible]
NNW	1.	[illegible].[illegible]	2.[illegible]	1.[illegible]	.[illegible]							[illegible].[illegible]	[illegible].[illegible]
VARBL													
CALM												[illegible].[illegible]	
	[illegible].[illegible]	[illegible].[illegible]	20.3	5.[illegible]	.[illegible]	.[illegible]						1 0.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]-30

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.



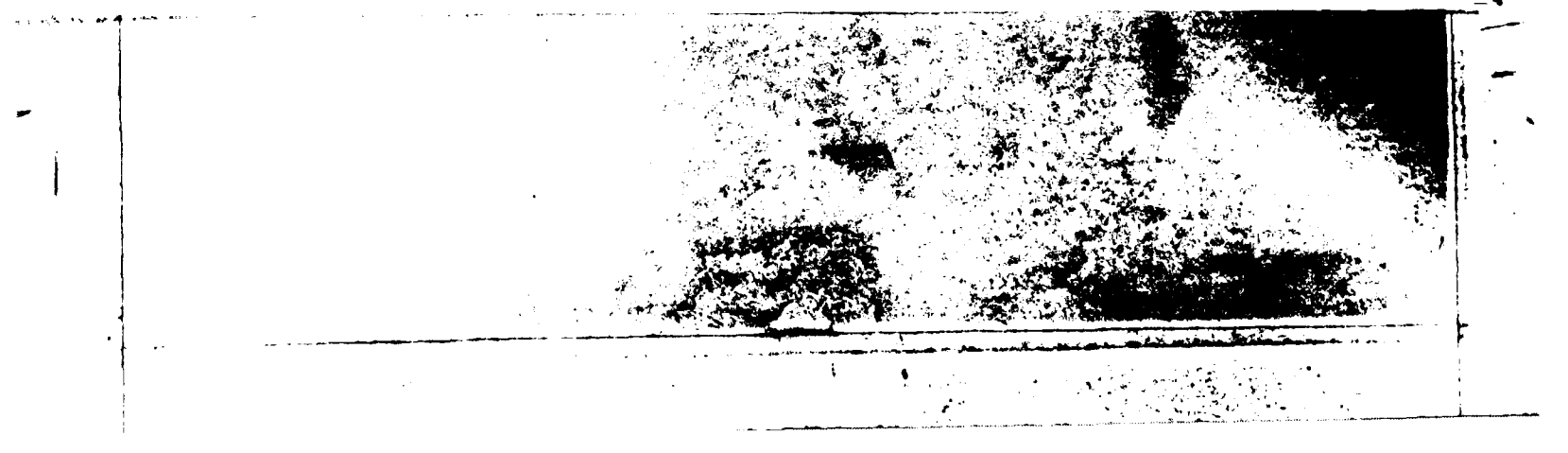
EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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%.



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.



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 the 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



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																
≥ 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

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																
≥ 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

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																
≥ 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

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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 1000																
≥ 900																
≥ 800																
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≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

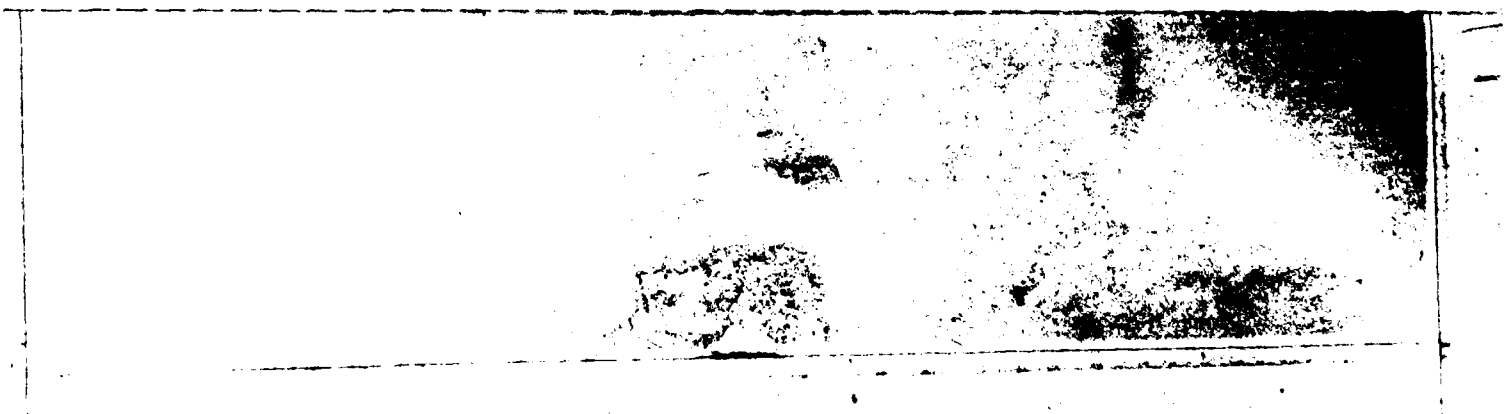
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 3000																
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≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

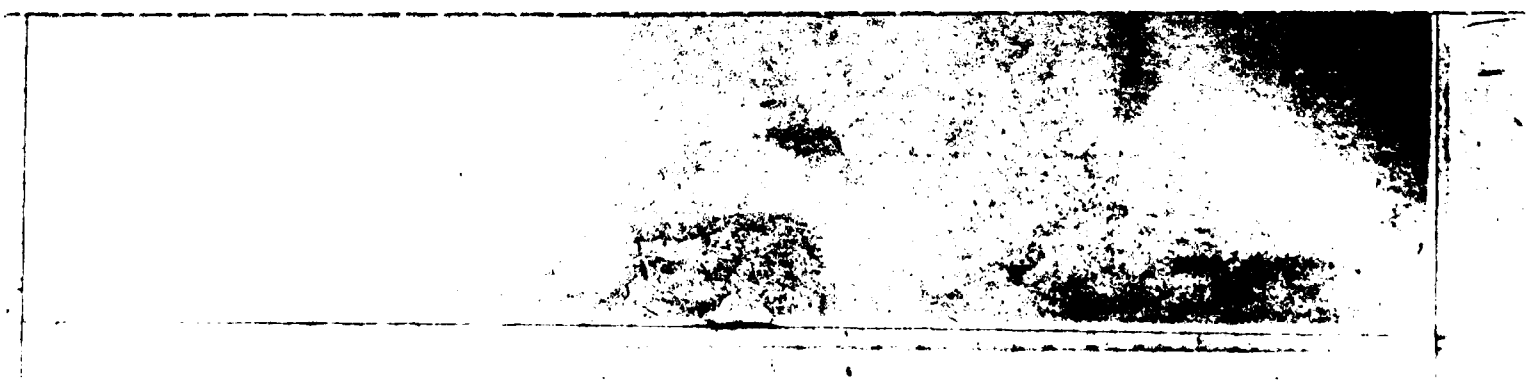
HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 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 _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 1117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

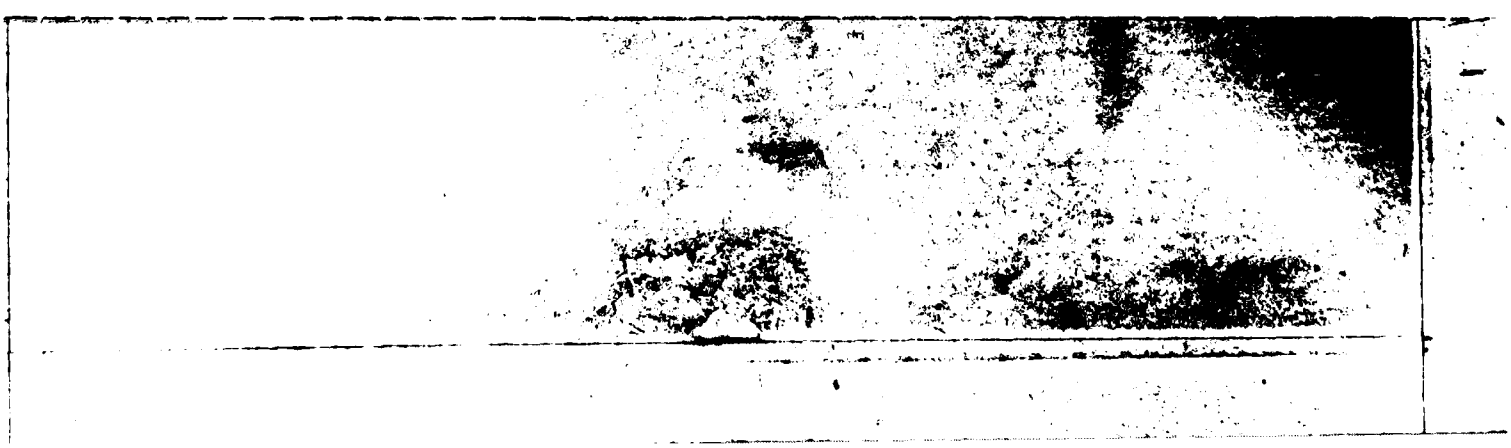
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 300																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

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																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

HOURS (L S T) 7

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																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 300																
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≥ 100																
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TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVI 18000																
AVI 16000																
AVI 14000																
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AVI 400																
AVI 300																
AVI 200																
AVI 100																
AVI 0																

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
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TOTAL NUMBER OF OBSERVATIONS _____

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)

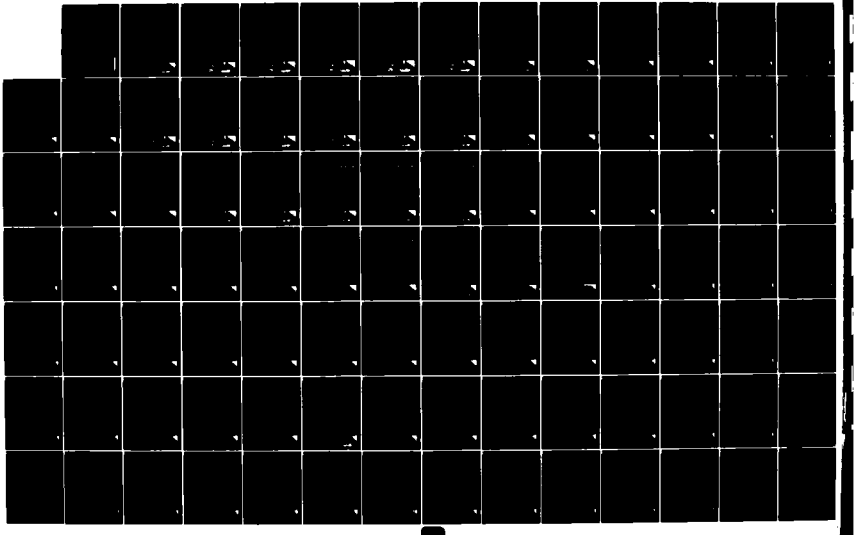
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
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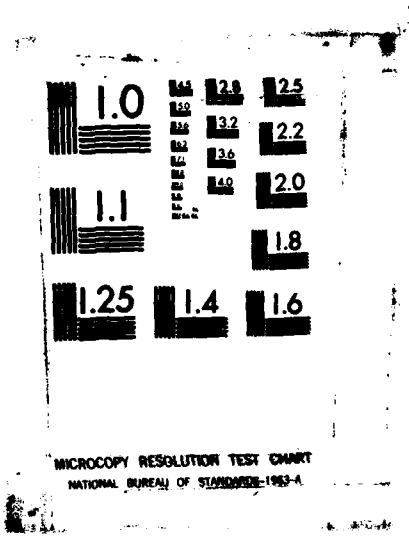
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD A150 445 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
QUANTICO VIRGINIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
2.5
2.2
2.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: [illegible]-76 | MONTH: FEB

HOURS (LST): 02

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	[illegible]	[illegible]	[illegible]	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	[illegible]	56.9	59.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
AVAI 18000	[illegible]	56.9	59.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
AVAI 16000	[illegible]	56.9	59.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
AVAI 14000	[illegible]	56.9	59.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
AVAI 12000	[illegible]	[illegible]	60.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
AVAI 10000	[illegible]	[illegible]	65.9	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
AVAI 9000	[illegible]	65.0	66.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
AVAI 8000	[illegible]	[illegible]	69.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
AVAI 7000	[illegible]	[illegible]	70.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
AVAI 6000	[illegible]	[illegible]	71.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
AVAI 5000	[illegible]	72.1	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
AVAI 4500	[illegible]	72.1	73.9	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
AVAI 4000	[illegible]	73.5	75.7	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
AVAI 3500	[illegible]	[illegible]	77.0	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
AVAI 3000	[illegible]	77.0	79.7	81.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
AVAI 2500	[illegible]	[illegible]	81.4	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AVAI 2000	[illegible]	78.[illegible]	81.4	83.6	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
AVAI 1800	[illegible]	[illegible]	81.9	84.1	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.3	86.3	86.3
AVAI 1500	[illegible]	79.2	83.2	85.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6	87.6	87.6
AVAI 1200	[illegible]	79.2	83.2	85.8	87.2	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.5	88.5	88.5	88.5
AVAI 1000	[illegible]	80.1	84.1	86.7	88.9	90.3	90.3	91.2	91.2	91.2	91.2	91.2	91.6	91.6	91.6	91.6
AVAI 900	[illegible]	80.1	84.5	87.2	89.8	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.5	92.5	92.5	92.5
AVAI 800	[illegible]	80.1	84.5	87.2	90.7	92.5	92.5	93.4	93.4	93.4	93.4	93.8	94.3	94.3	94.3	94.3
AVAI 700	[illegible]	80.1	84.5	87.2	90.7	92.5	92.5	93.8	93.8	93.8	95.1	95.1	95.6	95.6	95.6	95.6
AVAI 600	[illegible]	80.1	85.0	88.1	91.6	93.4	93.4	94.7	94.7	95.6	96.0	96.0	96.5	96.5	96.5	96.5
AVAI 500	[illegible]	80.1	85.0	88.1	91.6	93.4	93.4	94.7	94.7	95.6	96.5	96.5	96.9	96.9	96.9	96.9
AVAI 400	[illegible]	80.1	85.4	88.5	92.0	93.8	93.8	95.1	95.1	96.0	96.9	96.9	97.4	97.4	97.4	97.4
AVAI 300	[illegible]	80.1	85.4	88.5	92.5	94.3	94.3	95.6	95.6	96.5	97.4	97.4	98.2	98.7	98.7	98.7
AVAI 200	[illegible]	80.1	85.4	88.5	92.5	94.3	94.3	95.6	95.6	96.9	97.8	97.8	98.7	99.1	99.1	99.1
AVAI 100	[illegible]	80.1	85.4	88.5	92.5	94.3	94.3	95.6	95.6	96.9	97.8	97.8	98.7	99.1	99.1	99.6
AVAI 0	[illegible]	80.1	85.4	88.5	92.5	94.3	94.3	95.6	95.6	96.9	97.8	97.8	98.7	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 226

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) PLANTICO, VA (STATION NAME) 69-78 (YEARS) FEB (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	≥ ¼	≥ 5/16	≥ 0
NO CEILING	[illegible]	46.[illegible]	47.9	49.5	49.9	49.0	49.0	49.0	49.[illegible]	49.[illegible]	49.[illegible]	49.0	49.0	49.[illegible]	49.[illegible]
≥ 20000	1.1	54.2	55.6	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	1.1	54.3	55.7	56.3	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.1	54.3	55.7	56.3	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	[illegible]	54.[illegible]	56.2	56.8	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	[illegible]	56.[illegible]	58.3	59.[illegible]	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	23.1	61.7	63.3	64.0	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	23.1	61.8	63.4	64.1	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	24.2	65.8	67.4	68.2	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000	24.8	66.6	68.4	69.3	69.7	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	24.[illegible]	67.[illegible]	69.4	70.3	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	25.[illegible]	69.8	71.9	72.9	73.4	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9
≥ 4500	25.7	70.6	72.8	73.7	74.[illegible]	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8
≥ 4000	26.1	72.3	74.6	75.6	76.4	76.5	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	26.3	73.6	75.9	77.0	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	27.2	76.3	79.1	80.3	81.4	81.5	81.8	81.9	81.9	82.0	82.1	82.1	82.2	82.2	82.2
≥ 2500	27.2	77.3	80.2	81.5	82.8	82.9	83.3	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7
≥ 2000	27.2	77.6	80.8	82.5	83.9	84.1	84.7	84.9	84.9	85.0	85.1	85.1	85.2	85.2	85.2
≥ 1800	27.2	77.6	80.9	82.5	83.9	84.2	84.8	85.0	85.0	85.1	85.1	85.1	85.3	85.3	85.3
≥ 1500	27.3	78.4	82.0	83.7	85.2	85.7	86.3	86.7	86.7	86.8	86.9	87.0	87.2	87.2	87.2
≥ 1200	27.3	78.7	82.4	84.1	85.8	86.3	87.1	87.5	87.5	87.6	87.8	87.8	88.0	88.1	88.1
≥ 1000	27.3	79.4	83.0	85.1	87.1	88.0	89.0	89.5	89.5	89.7	89.8	90.0	90.2	90.2	90.3
≥ 900	27.3	79.5	83.3	85.4	87.4	88.3	89.4	90.0	90.0	90.2	90.4	90.5	90.7	90.7	90.8
≥ 800	27.3	79.8	83.8	86.1	88.5	89.5	90.9	91.5	91.6	91.9	92.2	92.3	92.5	92.6	92.7
≥ 700	27.3	79.9	84.1	86.5	89.0	90.2	91.8	92.9	92.5	93.1	93.5	93.6	93.8	93.9	94.0
≥ 600	27.3	79.9	84.2	86.7	89.3	90.5	92.4	93.2	93.2	93.8	94.4	94.6	94.9	95.0	95.1
≥ 500	27.3	80.0	84.4	86.9	89.5	90.7	92.7	93.8	93.9	94.9	95.5	95.7	96.0	96.2	96.3
≥ 400	27.3	80.0	84.4	86.9	89.5	90.8	92.8	94.1	94.1	95.4	96.0	96.3	96.7	96.9	97.0
≥ 300	27.3	80.0	84.5	87.0	89.6	91.2	93.3	94.6	94.7	96.0	96.6	97.1	97.7	98.1	98.3
≥ 200	27.3	80.0	84.5	87.0	89.8	91.2	93.3	94.8	94.8	96.3	97.2	97.6	98.2	98.6	99.0
≥ 100	27.3	80.0	84.5	87.0	89.8	91.2	93.3	94.8	94.8	96.3	97.2	97.6	98.2	98.7	99.1
0	27.3	80.0	84.5	87.0	89.8	91.2	93.3	94.8	94.8	96.3	97.2	97.6	98.2	98.7	99.2

TOTAL NUMBER OF OBSERVATIONS 1910

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible], VA | 67-76 | MAR

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	48.8	49.[illegible]	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	[illegible]
≥ 20000	11.[illegible]	54.[illegible]	55.7	55.7	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.[illegible]
M 18000	11.[illegible]	55.3	56.1	56.1	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.[illegible]
M 16000	11.[illegible]	55.3	56.1	56.1	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.[illegible]
M 14000	12.2	56.1	56.9	56.9	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.[illegible]
M 12000	12.2	57.7	58.5	58.5	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.8
M 10000	12.2	63.9	64.6	64.6	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9
M 9000	13.0	64.6	65.5	65.5	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7
M 8000	13.0	66.7	67.5	67.5	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7
M 7000	13.4	68.3	69.1	69.1	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.[illegible]
M 6000	13.4	69.1	69.9	69.9	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.1
M 5000	14.2	73.2	74.[illegible]	74.[illegible]	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	76.[illegible]
M 4500	14.[illegible]	74.8	75.[illegible]	76.[illegible]	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.5
M 4000	14.[illegible]	76.8	78.9	74.9	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.3
M 3500	14.[illegible]	76.8	78.9	79.3	81.[illegible]	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.7
M 3000	14.6	78.5	80.5	81.[illegible]	82.1	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.7
M 2500	14.6	78.9	80.9	81.3	82.5	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.[illegible]
M 2000	15.[illegible]	79.3	81.7	82.1	83.7	84.6	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.8
M 1800	15.[illegible]	79.7	82.1	82.5	84.6	85.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.6
M 1500	15.[illegible]	80.1	82.5	82.9	86.2	87.0	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.2
M 1200	15.[illegible]	80.1	82.5	82.9	86.6	87.4	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.[illegible]
M 1000	15.[illegible]	80.5	83.3	84.2	87.8	88.6	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.1
M 900	15.[illegible]	80.5	83.7	84.6	88.2	89.0	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.9
M 800	15.[illegible]	80.5	83.7	84.6	89.0	89.8	91.9	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.5
M 700	15.[illegible]	80.5	84.6	85.4	89.8	90.7	92.7	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	94.3
M 600	15.[illegible]	80.5	84.6	85.4	89.8	90.7	92.7	93.5	93.9	94.3	94.7	94.7	94.7	94.7	94.7	95.1
M 500	15.[illegible]	80.9	85.0	85.8	90.7	91.5	93.5	94.7	95.1	95.5	95.9	95.9	95.9	95.9	95.9	96.3
M 400	15.[illegible]	80.9	85.0	85.8	90.7	91.5	94.3	95.5	95.9	96.3	96.8	96.8	96.8	96.8	96.6	97.2
M 300	15.[illegible]	80.9	85.0	85.8	91.1	91.9	94.7	95.9	96.3	96.8	97.6	97.6	97.6	97.6	97.6	98.[illegible]
M 200	15.[illegible]	81.3	85.4	86.2	91.5	92.3	95.1	96.3	96.8	97.2	98.0	98.0	98.0	98.0	98.0	98.4
M 100	15.[illegible]	81.3	85.4	86.2	91.5	92.3	95.5	97.2	97.6	98.0	98.8	98.8	98.8	98.8	98.8	99.2
M 0	15.[illegible]	81.3	85.4	86.2	91.5	92.3	95.5	97.2	97.6	98.0	98.8	98.8	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 246

DIRNAVOCEANMET SMOS



4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible]	QUANTICO, VA	69-78	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

34 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]	48.8	49.5	49.8	49.2	49.2	49.2	49.2	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	[illegible]	54.4	55.7	56.8	56.9	56.9	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	[illegible]	54.8	54.1	56.9	57.3	57.3	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	[illegible]	54.8	54.1	56.9	57.3	57.3	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	[illegible]	55.2	56.5	57.3	57.7	57.7	58.1	58.1	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 12000	[illegible]	55.7	56.9	57.7	58.1	58.1	58.5	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	[illegible]	59.7	61.7	62.5	62.9	62.9	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000	[illegible]	60.1	62.1	62.9	63.3	63.3	63.7	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 8000	[illegible]	64.9	66.9	67.7	68.2	68.2	68.6	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	[illegible]	65.7	67.7	69.0	69.4	69.4	69.8	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	[illegible]	66.5	68.6	69.8	70.2	70.2	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	[illegible]	69.8	72.2	73.4	74.2	74.2	74.6	74.6	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	[illegible]	72.6	75.0	76.2	77.0	77.0	77.4	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4000	[illegible]	74.6	77.4	79.8	80.7	80.7	81.1	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3500	[illegible]	75.0	77.8	80.2	81.1	81.1	81.5	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	[illegible]	76.2	79.0	81.5	82.3	82.3	82.7	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	[illegible]	76.6	79.4	83.1	83.9	83.9	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	[illegible]	77.0	80.2	83.9	85.1	85.1	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	[illegible]	77.0	80.2	83.9	85.1	85.1	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	[illegible]	77.0	80.2	83.9	85.1	85.1	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	[illegible]	77.4	80.7	84.3	85.5	85.5	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	[illegible]	77.8	81.1	85.9	87.5	87.5	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	[illegible]	77.8	81.1	85.9	87.5	87.5	88.7	89.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	[illegible]	78.2	81.5	86.3	89.1	89.1	90.7	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	[illegible]	78.2	81.5	86.3	89.1	89.1	90.7	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	[illegible]	78.2	81.5	86.3	89.5	89.9	91.9	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	[illegible]	78.6	82.3	87.1	90.3	90.7	92.7	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.4	94.4
≥ 400	[illegible]	78.6	82.3	87.1	91.1	91.9	94.4	95.2	95.2	95.6	95.6	95.6	96.0	96.0	96.4	96.4
≥ 300	[illegible]	78.6	82.3	87.5	91.5	92.7	95.2	96.0	96.0	96.8	97.2	97.2	97.6	97.6	97.6	97.6
≥ 200	[illegible]	78.6	82.3	87.5	91.5	92.7	95.2	96.0	96.0	96.8	97.2	97.2	97.6	97.6	97.6	97.6
≥ 100	[illegible]	78.6	82.3	87.5	91.5	92.7	95.2	96.0	96.0	96.8	97.2	97.2	97.6	98.4	98.4	98.8
0	[illegible]	78.6	82.3	87.5	91.5	92.7	95.2	96.0	96.0	96.8	97.2	97.2	97.6	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 246

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773 (STATION) QUANTICO, VA (STATION NAME) 68-78 (YEARS) AUG (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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.2	33.0	41.8	49.7	55.1	56.9	56.2	57.2	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	7.0	38.4	46.9	56.2	61.6	63.7	63.7	64.0	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	7.0	38.7	47.3	56.5	62.0	64.0	64.0	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	7.0	38.7	47.3	56.5	62.0	64.0	64.0	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	7.0	39.0	47.6	56.9	62.3	64.4	64.4	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	7.0	40.4	49.3	58.9	64.9	66.9	66.9	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	7.0	44.9	54.8	65.4	71.6	73.6	73.6	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	7.0	44.9	54.8	65.4	71.6	73.6	73.6	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	7.0	46.9	57.2	68.2	75.0	77.4	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	7.0	47.3	57.5	68.5	75.3	77.7	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000	7.0	47.3	57.5	68.5	75.7	78.1	78.1	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	7.0	47.6	57.9	68.8	76.0	78.4	78.4	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	7.0	47.6	57.9	68.8	76.0	78.4	78.4	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	8.6	48.6	59.3	70.9	78.1	80.5	80.5	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	8.6	48.6	59.6	71.6	78.8	81.2	81.2	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	8.6	49.7	61.0	73.0	81.2	83.6	83.6	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	8.6	51.4	63.4	75.3	83.9	86.3	86.3	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	8.6	52.7	64.7	77.1	86.6	89.0	89.0	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	8.6	53.1	65.1	77.4	87.0	89.4	89.4	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	8.6	54.5	67.1	79.5	89.4	92.1	92.1	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	8.6	54.5	67.1	79.8	89.7	92.5	92.8	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	8.6	54.6	67.5	80.1	90.4	93.8	94.5	95.2	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	8.6	55.1	67.8	80.8	91.1	94.5	95.2	95.9	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	8.6	55.1	67.8	80.8	91.1	94.9	95.9	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	8.6	55.5	68.2	81.2	91.4	95.2	96.2	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	8.6	55.5	68.2	81.5	91.8	95.6	96.9	97.6	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	8.6	55.9	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.6	55.8	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.6	55.8	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.6	55.8	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.6	55.8	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8.6	55.8	68.5	81.9	92.1	96.2	98.0	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2-2

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) [illegible]TICO, VA (STATION NAME) 61-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	38.5	41.0	47.1	49.5	50.2	51.[illegible]	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	[illegible].2
≥ 20000	[illegible].3	41.6	48.5	56.[illegible]	59.4	60.1	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	[illegible].7	42.[illegible]	49.8	56.3	59.7	60.4	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	10.7	42.[illegible]	49.8	56.3	59.7	60.4	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	10.[illegible]	42.7	49.8	57.3	60.8	61.4	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	12.[illegible]	44.0	51.2	59.0	62.8	63.5	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000	12.[illegible]	47.8	56.3	65.5	69.6	70.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	12.6	48.1	56.7	65.9	70.0	71.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	12.[illegible]	50.[illegible]	60.1	70.3	74.8	75.4	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000	12.[illegible]	50.[illegible]	60.1	70.3	74.4	75.4	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	13.[illegible]	51.2	61.8	71.0	75.1	76.1	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	13.[illegible]	52.[illegible]	62.8	73.0	77.1	78.2	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	13.[illegible]	52.[illegible]	62.8	73.[illegible]	77.1	78.2	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	13.7	54.[illegible]	65.5	75.8	79.9	80.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	13.7	56.7	67.6	77.8	82.3	83.6	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	13.7	59.7	71.3	81.9	86.4	87.7	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	14.3	61.9	73.4	84.0	88.7	90.4	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	14.3	64.2	75.8	86.7	91.5	93.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	14.3	64.2	75.8	86.7	91.5	93.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	14.3	64.[illegible]	76.5	88.1	92.8	94.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	14.3	65.2	77.1	88.7	93.5	95.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	14.3	65.2	77.1	88.7	93.5	95.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	14.3	66.2	78.2	89.8	94.5	96.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0	14.3	66.6	78.5	90.1	94.9	96.9	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 293

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) | [illegible] (STATION NAME) | 69-78 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible] (HOURS (LST))

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]	44.5	52.4	54.3	57.5	8.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	[illegible]
≥ 20000	[illegible]	58.0	56.3	63.8	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	[illegible]	58.3	58.3	63.8	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	[illegible]	58.3	58.3	63.8	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	[illegible]	58.0	58.3	63.8	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	[illegible]	51.2	52.5	65.0	66.9	67.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	[illegible]	56.7	65.4	71.7	74.8	75.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000	[illegible]	56.7	65.4	71.7	74.8	75.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	[illegible]	59.8	69.7	76.8	79.1	79.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	[illegible]	60.6	70.5	76.8	79.9	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	[illegible]	61.[illegible]	70.9	77.2	80.[illegible]	81.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	[illegible]	63.[illegible]	73.6	79.9	83.1	83.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	[illegible]	63.[illegible]	73.6	79.9	83.1	83.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000	[illegible]	64.2	75.2	81.9	85.4	86.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	[illegible]	65.4	76.4	83.1	86.6	87.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	[illegible]	66.5	78.4	85.4	89.4	90.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	[illegible]	68.9	80.3	87.8	92.1	93.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	[illegible]	70.1	81.9	89.4	93.7	94.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	[illegible]	70.1	81.9	89.4	93.7	94.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	[illegible]	70.1	82.3	89.8	94.5	95.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	[illegible]	70.5	82.7	90.2	94.9	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	[illegible]	70.9	83.5	90.9	95.7	96.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	[illegible]	71.3	83.9	91.3	96.1	97.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	[illegible]	71.3	83.9	91.7	96.5	97.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	[illegible]	71.3	83.9	91.7	96.5	97.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	71.3	83.9	91.7	96.5	97.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	71.3	83.9	91.7	96.5	97.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]2

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible], VA | 60-78 | [illegible]
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.[illegible]	38.8	46.9	51.1	54.4	54.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.1	56.1	56.1
≥ 20000	13.1	46.[illegible]	55.3	61.2	65.[illegible]	65.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.1
≥ 18000	13.1	46.[illegible]	55.3	61.2	65.[illegible]	65.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.1
≥ 16000	13.1	46.[illegible]	55.3	61.2	65.[illegible]	65.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.1
≥ 14000	13.1	46.[illegible]	55.3	61.2	65.[illegible]	65.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.1
≥ 12000	13.1	46.[illegible]	56.5	62.5	66.7	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.8	68.8	68.8
≥ 10000	13.[illegible]	53.2	62.5	70.5	74.7	75.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.8	76.8	76.8
≥ 9000	13.[illegible]	53.2	62.9	70.5	74.7	75.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.8	76.8	76.8
≥ 8000	13.[illegible]	56.1	66.2	74.3	78.9	79.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.[illegible]	81.[illegible]	81.[illegible]
≥ 7000	13.[illegible]	56.5	66.7	74.7	79.3	79.8	81.0	81.0	81.[illegible]	81.0	81.0	81.[illegible]	81.0	81.4	81.4	81.4
≥ 6000	13.[illegible]	56.5	66.7	74.7	79.3	79.8	81.0	81.0	81.0	81.0	81.0	81.0	81.[illegible]	81.4	81.4	81.4
≥ 5000	13.[illegible]	57.[illegible]	67.9	76.0	80.6	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7
≥ 4500	13.5	57.8	68.[illegible]	76.4	81.0	81.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.1	83.1	83.1
≥ 4000	14.[illegible]	59.9	73.0	81.0	86.1	86.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.0	89.0	89.0
≥ 3500	14.[illegible]	60.3	73.4	81.4	86.8	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.5	89.5	89.5
≥ 3000	1[illegible].[illegible]	61.6	74.7	84.0	89.5	90.7	92.3	92.8	92.8	92.8	92.8	92.8	92.8	93.3	93.3	93.3
≥ 2500	14.[illegible]	62.[illegible]	75.5	84.8	90.3	91.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.1	94.1	94.1
≥ 2000	14.[illegible]	63.3	76.9	86.1	91.6	92.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.8	95.8	95.8
≥ 1800	14.[illegible]	63.3	76.8	86.1	91.6	92.8	95.4	95.8	95.8	95.8	95.8	95.8	95.8	96.2	96.2	96.2
≥ 1500	14.[illegible]	64.1	77.6	86.9	92.4	93.7	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.5	97.5	97.5
≥ 1200	14.[illegible]	65.0	78.5	87.8	93.7	94.9	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.7	98.7	98.7
≥ 1000	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 900	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 800	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 700	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 600	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 500	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0
≥ 400	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0
≥ 300	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0
≥ 200	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0
≥ 100	14.[illegible]	65.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0
0	14.[illegible]	63.4	78.9	88.2	94.5	95.8	98.3	99.2	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 237

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 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 21

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING			41.7		53.6	55.3	56.7	57.2	57.2	57.7	57.7	57.7	57.7	57.8	57.8	
≥ 20000			47.5	56.2	61.3	63.3	64.9	65.4	65.4	65.9	65.9	65.9	66.0	66.0	66.0	
≥ 18000		38.4	47.7	56.4	61.5	63.5	65.1	65.6	65.6	66.1	66.1	66.1	66.2	66.2	66.2	
≥ 16000		38.4	47.7	56.4	61.5	63.5	65.1	65.6	65.6	66.1	66.1	66.1	66.2	66.2	66.2	
≥ 14000		38.6	47.9	56.6	61.8	63.7	65.4	65.9	65.9	66.4	66.4	66.4	66.5	66.5	66.5	
≥ 12000		39.0	48.4	57.4	63.7	65.7	67.4	67.9	67.9	68.5	68.5	68.5	68.6	68.6	68.6	
≥ 10000		43.8	54.4	64.6	70.7	73.0	75.0	75.4	75.4	76.1	76.1	76.1	76.1	76.1	76.1	
≥ 9000		43.9	54.5	64.7	70.8	73.1	75.1	75.5	75.5	76.1	76.1	76.1	76.2	76.2	76.2	
≥ 8000		45.1	57.4	68.2	74.5	76.8	79.1	79.6	79.6	80.2	80.2	80.2	80.3	80.3	80.3	
≥ 7000		46.3	57.9	68.7	75.0	77.3	79.5	80.1	80.1	80.7	80.7	80.7	80.8	80.8	80.8	
≥ 6000		46.5	58.1	68.9	75.2	77.5	79.8	80.3	80.3	80.9	80.9	80.9	81.0	81.0	81.0	
≥ 5000		47.8	59.6	70.6	77.0	79.4	81.6	82.2	82.2	82.8	82.8	82.8	82.9	82.9	82.9	
≥ 4500		48.0	59.9	70.9	77.3	79.7	82.0	82.5	82.5	83.1	83.1	83.1	83.2	83.2	83.2	
≥ 4000		49.2	61.7	73.0	79.8	82.2	84.6	85.2	85.2	85.7	85.7	85.7	85.8	85.8	85.8	
≥ 3500		62.1	74.1	81.1	83.5	85.9	86.5	86.5	87.1	87.1	87.1	87.2	87.2	87.2	87.2	
≥ 3000		64.3	76.2	83.4	86.2	88.6	89.4	89.4	90.0	90.0	90.0	90.1	90.1	90.1	90.1	
≥ 2500		65.5	77.5	85.2	87.8	90.4	91.1	91.1	91.8	91.8	91.8	91.9	91.9	91.9	91.9	
≥ 2000		66.6	78.7	86.5	89.3	91.9	92.7	92.7	93.4	93.4	93.4	93.5	93.5	93.5	93.5	
≥ 1800		67.6	79.8	86.6	89.4	92.0	92.8	92.8	93.5	93.5	93.5	93.6	93.6	93.6	93.6	
≥ 1500		67.6	80.1	88.1	91.0	93.8	94.6	94.6	95.3	95.3	95.3	95.4	95.4	95.4	95.4	
≥ 1200		68.4	80.5	88.7	91.6	94.5	95.4	95.4	96.0	96.0	96.0	96.1	96.1	96.1	96.1	
≥ 1000		68.5	81.2	89.7	92.8	95.8	96.7	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	
≥ 900		69.2	81.5	89.8	93.1	96.1	97.1	97.1	97.9	97.9	97.9	98.0	98.0	98.0	98.0	
≥ 800		69.2	81.6	89.9	93.3	96.4	97.5	97.5	98.3	98.3	98.3	98.4	98.4	98.4	98.4	
≥ 700		69.3	81.7	90.1	93.5	96.6	97.7	97.7	98.5	98.5	98.6	98.7	98.7	98.7	98.7	
≥ 600		69.3	81.8	90.3	93.6	96.9	98.0	98.0	98.8	98.8	98.9	99.0	99.1	99.1	99.1	
≥ 500		69.4	81.9	90.4	93.8	97.1	98.2	98.2	99.0	99.0	99.1	99.2	99.2	99.2	99.2	
≥ 400		69.4	82.0	90.5	94.0	97.4	98.5	98.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5	
≥ 300		69.5	82.0	90.5	94.1	97.6	98.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	
≥ 200		69.5	82.1	90.6	94.1	97.5	98.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	
≥ 100		69.5	82.1	90.6	94.1	97.5	98.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	
0		69.5	82.1	90.6	94.1	97.5	98.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

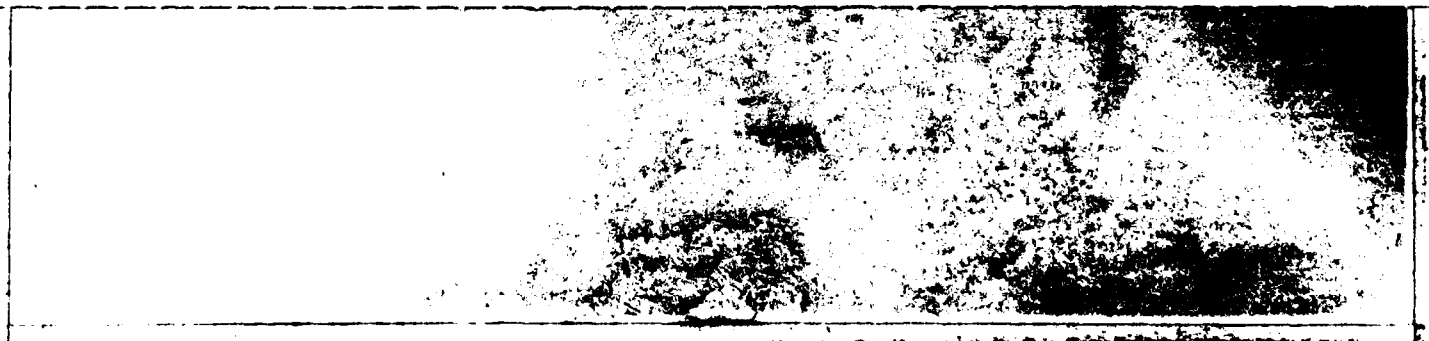
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 7

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4a

[illegible] 73 — [illegible]TICO, VA — 69-79 — SEP

STATION — STATION NAME — YEARS — MONTH

12

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	14.3	47.9	49.4	86.6	48.3	48.4	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	14.3	48.8	49.1	51.6	52.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	14.3	48.3	49.5	52.1	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	14.3	48.2	49.5	52.3	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	16.7	48.5	49.8	52.3	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	17.7	47.3	51.6	54.1	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	17.8	51.3	55.9	58.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	17.8	51.3	55.9	58.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	18.4	54.6	60.0	65.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	18.4	57.	62.4	66.0	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	18.4	57.	62.4	66.0	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	18.7	59.1	64.5	68.1	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	19.3	60.6	66.0	69.5	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	21.4	65.6	71.7	75.3	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	21.4	67.4	73.5	77.4	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	23.7	72.4	79.6	83.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	24.0	74.2	81.7	86.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	24.0	76.3	84.6	88.9	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800	24.0	76.3	84.6	88.9	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	24.0	77.4	85.7	90.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	24.0	78.1	86.4	91.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	24.4	78.5	86.7	91.4	95.7	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	24.4	78.5	86.7	91.4	95.7	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	24.4	78.9	87.1	92.1	96.8	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	24.4	78.9	87.1	92.1	97.1	97.5	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	24.4	78.9	87.1	92.1	97.1	97.5	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	24.7	79.2	87.5	92.5	97.5	97.9	98.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	24.7	79.2	87.5	92.5	97.5	97.9	98.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	24.7	79.6	87.8	92.8	97.9	98.2	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	24.7	79.6	87.8	92.8	97.9	98.2	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	24.7	79.6	87.8	92.8	97.9	98.2	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	24.7	79.6	87.8	92.8	97.9	98.2	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]7[illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 73	[illegible] VA	[illegible] -78	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST): 16

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.2	47.4	52.3	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.3
≥ 20000	53.3	54.0	57.0	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	61.8
≥ 18000	53.3	54.4	57.4	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.2
≥ 16000	53.3	54.4	57.4	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.2
≥ 14000	53.3	54.4	57.4	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.2
≥ 12000	54.2	55.3	58.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.1
≥ 10000	57.4	61.6	65.0	68.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.6
≥ 9000	57.4	61.6	65.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.6
≥ 8000	73.7	69.2	73.0	76.4	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	78.1
≥ 7000	73.7	69.6	73.0	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.1
≥ 6000	73.7	72.8	73.3	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.5
≥ 5000	74.1	72.8	76.4	79.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.0
≥ 4500	74.1	73.0	76.8	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.4
≥ 4000	80.0	75.1	78.3	83.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.7
≥ 3500	80.4	77.2	81.4	86.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.2
≥ 3000	80.4	79.8	84.8	89.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.8
≥ 2500	80.4	80.2	85.2	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
≥ 2000	81.2	81.0	86.5	92.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.9
≥ 1800	81.7	81.4	86.9	92.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.4
≥ 1500	81.7	81.4	86.9	92.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.8
≥ 1200	81.7	81.4	86.9	92.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.8
≥ 1000	81.7	81.9	87.3	93.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6
≥ 900	82.1	82.3	87.8	94.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.1
≥ 800	82.1	82.3	87.8	94.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5
≥ 700	82.1	82.3	87.8	94.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.5
≥ 600	82.1	82.3	87.8	94.1	96.6	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.9
≥ 500	82.1	83.1	88.6	94.9	97.5	97.9	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.7
≥ 400	82.1	83.1	88.6	94.9	97.5	98.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	99.2
≥ 300	82.1	83.1	88.6	94.9	97.9	98.7	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 200	82.1	83.1	88.6	94.9	97.9	98.7	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 100	82.1	83.1	88.6	94.9	97.9	98.7	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 0	82.1	83.1	88.6	94.9	97.9	98.7	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 237

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | QUANTICO, VA | 69-78 | SEP

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1?

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]	41.4	49.9	49.6	50.0	[illegible]	50.5	50.5	50.5	50.5	50.5	50.5	50.5	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	45.5	51.8	55.5	56.4	56.4	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	[illegible]
≥ 18000	[illegible]	45.5	51.8	55.5	56.4	56.4	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	[illegible]
≥ 16000	[illegible]	45.5	51.8	55.5	56.4	56.4	56.8	57.3	57.3	57.3	57.3	57.3	[illegible]	57.3	57.3	[illegible]
≥ 14000	[illegible]	45.5	51.8	55.9	56.4	56.8	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	[illegible]	47.3	54.1	58.6	59.6	59.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	[illegible]	49.6	56.4	60.9	62.3	62.3	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	[illegible]	50.0	56.8	61.4	62.7	62.7	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 8000	11.4	57.3	64.6	69.6	71.4	71.4	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	11.4	57.6	66.8	72.3	74.1	74.6	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	11.8	59.6	67.7	73.2	75.0	75.5	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 5000	11.8	62.3	70.5	75.9	77.7	78.2	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	11.8	62.3	70.5	75.9	77.7	78.2	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	12.7	66.4	74.6	80.0	82.7	83.2	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	12.7	67.7	76.4	81.8	84.6	85.1	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	13.2	70.5	79.6	85.0	88.2	88.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	13.2	70.9	80.3	85.5	88.6	89.6	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	13.2	71.8	81.0	86.8	90.5	91.4	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	13.2	71.8	81.0	86.8	90.5	91.4	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	13.2	71.8	81.4	87.3	90.9	91.8	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	13.2	72.3	81.8	88.6	92.3	93.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	13.2	73.2	82.7	89.6	93.2	94.1	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	13.2	73.2	82.7	89.6	93.2	94.1	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	13.2	73.6	83.2	90.0	93.6	95.0	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	13.2	73.6	83.2	90.0	93.6	95.0	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	13.2	74.1	84.1	91.4	94.6	95.9	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	13.2	74.1	84.1	91.4	94.6	95.9	97.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	13.2	74.6	84.6	91.4	95.0	96.4	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	13.2	74.6	84.6	91.4	95.0	96.4	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	13.2	74.6	84.6	91.4	95.0	96.4	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.2	74.6	84.6	91.4	95.0	96.4	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	13.2	74.6	84.6	91.4	95.0	96.4	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]2

DIRNAVOCEANMET SMOS



4.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

73	ATLANTIC, VA	60-75	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	38.8	45.2	51.4	54.8	54.8	55.2	55.2	55.2	55.7	55.7	55.7	55.7	55.7	56.2	56.2
≥ 20000	3.9	41.9	51.9	57.6	61.4	61.9	61.9	62.4	62.4	62.9	62.9	62.9	62.9	62.9	63.3	63.3
≥ 18000 < 20000	3.9	42.4	51.9	58.1	61.9	61.9	62.4	62.9	62.9	63.3	63.3	63.3	63.3	63.3	63.8	63.8
≥ 16000 < 18000	3.9	42.4	51.9	58.1	61.9	61.9	62.4	62.9	62.9	63.3	63.3	63.3	63.3	63.3	63.8	63.8
≥ 14000 < 16000	3.9	42.4	51.9	58.1	61.9	61.9	62.4	62.9	62.9	63.3	63.3	63.3	63.3	63.3	63.8	63.8
≥ 12000 < 14000	3.9	43.2	52.9	60.0	63.8	63.8	64.3	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.7	65.7
≥ 10000 < 12000	3.9	48.6	58.6	65.7	69.5	69.5	70.5	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.9	71.9
≥ 9000 < 10000	3.9	48.6	58.6	65.7	69.5	69.5	70.5	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.9	71.9
≥ 8000 < 9000	3.9	54.3	65.2	72.4	77.6	77.6	78.1	78.5	78.5	80.5	80.5	80.5	80.5	80.5	81.0	81.0
≥ 7000 < 8000	3.9	54.3	65.2	72.4	78.1	78.1	78.5	80.0	80.0	81.0	81.0	81.0	81.0	81.0	81.4	81.4
≥ 6000 < 7000	3.9	55.2	65.7	72.9	78.6	78.6	80.0	80.5	80.5	81.4	81.4	81.4	81.4	81.4	81.9	81.9
≥ 5000 < 6000	3.9	57.1	68.1	75.2	81.0	81.0	82.4	82.9	82.9	83.8	83.8	83.8	83.8	83.8	84.3	84.3
≥ 4500 < 5000	3.9	57.1	68.1	75.2	81.4	81.4	82.9	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.8	84.8
≥ 4000 < 4500	3.9	59.5	72.4	79.5	85.7	85.7	87.1	87.6	87.6	88.6	88.6	88.6	88.6	88.6	89.1	89.1
≥ 3500 < 4000	3.9	60.5	73.8	81.0	87.1	87.1	88.6	89.1	89.1	90.0	90.0	90.0	90.0	90.0	90.5	90.5
≥ 3000 < 3500	3.9	61.0	75.2	82.4	88.6	88.6	90.0	90.5	90.5	91.4	91.4	91.4	91.4	91.4	91.9	91.9
≥ 2500 < 3000	3.9	61.0	75.7	82.9	89.5	89.5	91.0	91.4	91.4	92.4	92.4	92.4	92.4	92.4	92.9	92.9
≥ 2000 < 2500	3.9	61.4	76.2	83.8	90.5	90.5	91.9	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.8	93.8
≥ 1800 < 2000	3.9	61.4	76.2	83.8	91.4	91.0	92.4	92.9	92.9	93.8	93.8	93.8	93.8	93.8	94.3	94.3
≥ 1500 < 1800	3.9	61.9	77.1	85.2	92.4	92.4	93.8	94.3	94.3	95.2	95.2	95.2	95.2	95.2	95.7	95.7
≥ 1200 < 1500	3.9	61.9	77.1	85.2	92.4	92.4	93.8	94.3	94.3	95.2	95.2	95.2	95.2	95.2	95.7	95.7
≥ 1000 < 1200	3.9	62.4	78.1	86.2	93.3	93.3	94.8	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.7	96.7
≥ 900 < 1000	3.9	62.4	78.1	86.2	93.3	93.3	94.8	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.7	96.7
≥ 800 < 900	3.9	62.9	79.6	86.7	93.8	94.3	96.2	96.7	96.7	97.6	97.6	97.6	97.6	97.6	98.1	98.1
≥ 700 < 800	3.9	62.9	79.6	86.7	93.8	94.8	96.7	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.6	98.6
≥ 600 < 700	3.9	62.9	79.6	86.7	93.8	94.8	96.7	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.6	98.6
≥ 500 < 600	3.9	62.9	79.6	86.7	93.8	94.8	97.6	98.1	98.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5
≥ 400 < 500	3.9	62.9	79.6	86.7	94.3	95.2	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.5	100.0	100.0
≥ 200 < 400	3.9	62.9	79.6	86.7	94.3	95.2	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.5	100.0	100.0
≥ 100 < 200	3.9	62.9	74.6	86.7	94.3	95.2	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.5	100.0	100.0
0	3.9	62.9	79.6	86.7	94.3	95.2	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (YEARS) SEP (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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	57.7	63.6	66.2	70.9	71.4	72.3	72.4	72.4	72.6	72.7	72.7	72.7	72.8	72.8	73.0
≥ 20000	50.7	61.2	67.9	72.8	75.9	76.4	77.4	77.7	77.7	77.9	78.1	78.2	78.2	78.3	78.4	78.6
≥ 18000	50.8	61.4	68.1	73.0	76.1	76.6	77.6	77.9	77.9	78.1	78.2	78.2	78.2	78.3	78.4	78.6
≥ 16000	50.8	61.4	68.2	73.1	76.1	76.7	77.6	77.9	77.9	78.1	78.2	78.2	78.3	78.4	78.4	78.6
≥ 14000	51.0	61.5	68.3	73.3	76.3	76.9	77.9	78.2	78.2	78.4	78.5	78.5	78.6	78.6	78.7	78.9
≥ 12000	51.0	62.8	69.1	74.0	77.1	77.8	78.7	79.0	79.0	79.2	79.3	79.3	79.3	79.4	79.4	79.5
≥ 10000	52.1	63.4	70.2	75.2	78.4	79.1	80.1	80.4	80.4	80.6	80.7	80.7	80.8	80.8	80.9	81.0
≥ 9000	52.1	63.6	70.5	75.5	78.7	79.4	80.4	80.7	80.7	80.9	81.0	81.0	81.1	81.1	81.2	81.3
≥ 8000	52.1	63.8	70.7	75.8	79.0	79.7	80.7	81.0	81.0	81.2	81.3	81.3	81.4	81.4	81.5	81.6
≥ 7000	52.2	64.2	71.2	76.3	79.5	80.2	81.2	81.5	81.5	81.7	81.8	81.8	81.9	81.9	82.0	82.1
≥ 6000	52.2	64.4	71.4	76.5	79.8	80.5	81.5	81.8	81.8	82.0	82.1	82.1	82.2	82.2	82.3	82.4
≥ 5000	52.3	64.6	71.7	76.8	80.1	80.8	81.8	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.6	82.7
≥ 4500	52.3	64.7	71.8	76.9	80.2	80.9	81.9	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.7	82.8
≥ 4000	52.3	64.8	71.9	77.0	80.3	81.0	82.0	82.3	82.3	82.5	82.6	82.6	82.7	82.7	82.8	82.9
≥ 3500	52.4	65.0	72.2	77.3	80.6	81.3	82.3	82.6	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.2
≥ 3000	52.4	65.2	72.5	77.6	80.9	81.6	82.6	82.9	82.9	83.1	83.2	83.2	83.3	83.3	83.4	83.5
≥ 2500	52.5	65.3	72.6	77.8	81.1	81.8	82.8	83.1	83.1	83.3	83.4	83.4	83.5	83.5	83.6	83.7
≥ 2000	52.5	65.4	72.8	78.0	81.3	82.0	83.0	83.3	83.3	83.5	83.6	83.6	83.7	83.7	83.8	83.9
≥ 1800	52.5	65.4	72.8	78.0	81.3	82.0	83.0	83.3	83.3	83.5	83.6	83.6	83.7	83.7	83.8	83.9
≥ 1500	52.5	65.5	72.9	78.1	81.4	82.1	83.1	83.4	83.4	83.6	83.7	83.7	83.8	83.8	83.9	84.0
≥ 1200	52.5	65.5	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 1000	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 900	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 800	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 700	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 600	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 500	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 400	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 300	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 200	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 100	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1
0	52.5	65.6	73.0	78.2	81.5	82.2	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.1

TOTAL NUMBER OF OBSERVATIONS 1227

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13733 (STATION) | OCEANA, VA (STATION NAME) | 1 - 75 (YEARS) | OCT (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	2.3	55.4	57.4	58.7	60.8	60.9	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000	2.3	54.8	57.1	59.9	64.5	64.5	65.9	66.4	66.8	66.8	66.9	66.8	66.8	66.8	66.8	66.8
≥ 18000	2.3	54.8	57.1	59.9	64.5	64.5	65.9	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 14000	2.3	54.8	57.1	59.9	64.5	64.5	65.9	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 14000	2.3	54.8	57.1	59.9	64.5	64.5	65.9	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	2.3	54.8	57.1	59.9	64.5	64.5	66.4	66.8	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	2.3	52.1	57.5	62.2	67.3	67.7	70.1	70.5	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	2.3	52.1	57.5	62.2	67.3	67.7	70.1	70.5	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	2.3	53.0	62.2	65.0	70.5	71.0	73.3	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	2.3	53.0	62.2	65.4	71.0	71.4	73.7	74.2	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	2.3	54.4	62.7	65.9	71.4	71.9	74.2	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	2.3	55.0	63.1	66.2	74.2	74.7	77.0	77.4	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	2.3	55.2	63.4	66.7	74.7	75.1	77.4	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000	2.3	57.1	67.3	71.4	77.0	77.4	79.7	80.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	2.3	55.1	65.7	72.4	79.3	79.8	81.1	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	2.3	50.8	71.9	76.0	82.5	83.0	85.3	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	2.3	51.4	72.8	77.0	83.4	83.9	86.2	86.6	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	2.3	51.4	73.3	77.4	85.3	85.7	88.0	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	2.3	51.8	73.3	77.4	85.7	86.2	88.5	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	2.3	52.7	74.2	78.8	87.1	87.6	89.9	90.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	2.3	52.7	74.2	78.8	87.1	87.6	89.9	90.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	2.3	52.7	74.7	79.7	89.9	90.3	92.6	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	2.3	52.7	74.7	79.7	89.9	90.3	92.6	93.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800	2.3	53.6	75.6	80.7	90.8	91.2	93.6	94.5	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	2.3	53.6	75.6	80.7	90.8	91.2	93.6	94.5	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	2.3	53.6	75.6	80.7	90.8	91.2	93.6	94.5	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	2.3	53.6	75.6	81.1	91.2	91.7	94.0	94.9	94.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	2.3	53.6	75.6	81.1	91.7	92.2	95.4	97.7	97.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	2.3	53.6	75.6	81.1	91.7	92.2	95.4	97.7	97.7	98.6	99.1	99.1	99.5	99.5	99.5	99.5
≥ 200	2.3	53.6	75.6	81.1	91.7	92.2	95.4	97.7	97.7	98.6	99.1	99.1	99.5	99.5	99.5	99.5
≥ 100	2.3	53.6	75.6	81.1	91.7	92.2	95.4	97.7	97.7	98.6	99.1	99.1	99.5	99.8	99.8	99.8
≥ 0	2.3	53.6	75.6	81.1	91.7	92.2	95.4	97.7	97.7	98.6	99.1	99.1	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | 69-76 | OCT

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]

HOURS (LST)

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.[illegible]	42.[illegible]	49.8	53.1	55.[illegible]	59.0	59.6	59.4	59.4	59.4	59.0	59.3	59.8	59.8	59.8	[illegible]
≥ 20000	1.[illegible]	48.[illegible]	52.3	56.1	61.1	61.9	62.8	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	1.[illegible]	48.8	52.3	56.1	61.5	62.3	63.2	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	1.[illegible]	48.8	52.3	56.1	61.5	62.3	63.2	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	1.[illegible]	48.[illegible]	52.3	56.1	61.5	62.3	63.2	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	1.[illegible]	48.[illegible]	53.1	56.9	62.3	63.2	64.4	64.9	64.9	64.9	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	1.[illegible]	47.7	55.7	59.8	65.9	66.1	67.8	68.2	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	1.[illegible]	47.7	55.7	59.8	65.3	66.1	67.8	68.2	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000	1.[illegible]	49.8	57.3	61.9	67.4	68.2	69.9	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	1.[illegible]	49.4	57.3	61.9	67.4	68.2	69.9	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	1.[illegible]	50.8	58.6	63.2	68.6	69.6	71.1	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	1.[illegible]	51.3	61.5	66.1	72.[illegible]	72.8	74.5	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	1.[illegible]	53.1	62.8	67.4	73.2	74.1	75.7	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.[illegible]	55.3	64.7	69.9	76.2	77.[illegible]	78.7	79.1	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	1.[illegible]	55.7	65.3	70.3	76.6	77.4	79.1	79.5	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	1.[illegible]	56.9	67.4	73.2	80.3	81.2	82.9	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	1.[illegible]	58.2	68.6	74.9	82.0	82.9	84.9	85.4	85.4	85.4	85.8	85.6	85.8	85.8	85.8	85.8
≥ 2000	1.[illegible]	58.6	69.0	75.7	83.3	84.1	86.2	86.6	86.6	86.6	87.0	87.[illegible]	87.0	87.0	87.0	87.0
≥ 1800	1.[illegible]	58.6	69.[illegible]	75.7	83.3	84.1	86.2	86.6	86.6	86.6	87.0	87.0	87.0	87.[illegible]	87.0	87.[illegible]
≥ 1500	1.[illegible]	58.8	69.[illegible]	76.2	84.1	84.9	87.5	87.9	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.[illegible]
≥ 1200	1.[illegible]	59.[illegible]	69.5	76.6	84.5	85.4	87.9	88.7	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1000	1.[illegible]	59.4	69.9	77.0	85.4	86.2	89.1	90.0	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	1.[illegible]	59.4	69.9	77.2	85.8	86.6	89.5	90.4	90.4	90.4	90.8	90.8	91.2	91.2	91.2	91.2
≥ 800	1.[illegible]	59.8	70.3	77.4	86.2	87.0	90.0	90.8	90.8	90.8	91.6	91.6	92.1	92.1	92.1	92.1
≥ 700	1.[illegible]	59.8	70.3	77.4	86.6	87.5	90.4	91.6	91.6	91.6	92.5	92.5	92.9	92.9	92.9	92.9
≥ 600	1.[illegible]	59.8	70.3	77.4	86.6	87.5	91.2	92.5	92.5	92.9	93.7	93.7	94.1	94.1	94.1	94.1
≥ 500	1.[illegible]	59.8	70.3	77.4	86.6	87.5	92.1	93.3	93.7	94.6	95.4	95.4	95.8	95.8	95.8	95.8
≥ 400	1.[illegible]	59.8	7[illegible].3	77.4	86.6	87.9	92.5	93.7	93.7	95.4	96.7	96.7	97.1	97.1	97.1	97.5
≥ 300	1.[illegible]	59.8	7[illegible].3	77.4	86.6	87.9	92.9	94.6	94.6	96.2	97.5	97.5	97.9	97.9	97.9	98.3
≥ 200	1.[illegible]	59.8	7[illegible].3	77.4	86.6	87.9	92.9	94.6	94.6	96.2	97.9	97.9	98.7	98.7	98.7	99.2
≥ 100	1.[illegible]	59.8	7[illegible].3	77.4	86.6	87.9	92.9	94.6	94.6	96.2	98.3	98.3	99.6	99.6	99.6	100.0
≥ 0	1.[illegible]	59.8	70.3	77.4	86.6	87.9	92.9	94.6	94.6	96.2	98.3	98.3	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]2

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible], VA	69-77	OCT

HOURS (LST): [illegible]

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	[illegible]	41.7	44.2	45.6	47.3	47.5	[illegible]	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	[illegible]
≥ 20000	[illegible]	44.2	47.9	49.3	51.0	51.4	52.1	[illegible]	52.5	52.5	52.5	52.5	52.5	52.5	52.5	[illegible]
≥ 18000	[illegible]	44.2	47.9	49.3	51.0	51.4	52.1	[illegible]	52.5	52.5	52.5	52.5	52.5	52.5	52.5	[illegible]
≥ 16000	[illegible]	45.2	48.3	49.4	51.4	51.7	52.5	52.5	52.9	52.9	52.9	52.9	[illegible]	52.9	52.9	[illegible]
≥ 14000	[illegible]	46.0	49.0	[illegible]	52.1	52.5	53.3	53.3	53.7	53.7	53.7	53.7	[illegible]	53.7	53.7	[illegible]
≥ 12000	[illegible]	46.7	49.8	51.0	53.3	53.7	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	[illegible]
≥ 10000	[illegible]	49.0	52.1	54.1	56.9	57.1	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	[illegible]
≥ 9000	[illegible]	49.0	52.5	54.4	57.1	57.5	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	[illegible]
≥ 8000	[illegible]	52.5	56.4	58.7	61.8	62.2	62.9	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	[illegible]
≥ 7000	[illegible]	52.9	57.1	59.5	62.6	62.9	63.7	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	[illegible]
≥ 6000	[illegible]	52.9	57.1	59.9	62.9	63.3	64.1	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	[illegible]
≥ 5000	[illegible]	54.1	58.1	61.8	64.9	65.3	66.1	66.4	66.9	66.8	66.8	66.8	66.8	66.8	66.8	[illegible]
≥ 4500	[illegible]	56.0	60.2	62.9	66.3	66.4	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	[illegible]
≥ 4000	[illegible]	57.4	61.8	64.5	67.6	68.0	68.7	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	[illegible]
≥ 3500	[illegible]	58.7	63.7	66.4	69.5	69.9	71.0	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	[illegible]
≥ 3000	[illegible]	61.0	66.4	69.1	72.2	72.6	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	[illegible]
≥ 2500	[illegible]	61.3	67.2	69.9	73.4	73.8	75.3	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	[illegible]
≥ 2000	[illegible]	63.7	69.1	72.2	75.7	76.1	78.0	78.8	79.2	79.5	79.5	79.5	79.5	79.5	79.5	[illegible]
≥ 1800	[illegible]	63.7	69.1	72.2	75.7	76.1	78.4	79.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	[illegible]
≥ 1500	[illegible]	65.3	71.0	74.1	77.6	78.0	80.3	81.1	81.5	81.9	81.9	81.9	81.9	81.9	81.9	[illegible]
≥ 1200	[illegible]	66.4	73.4	76.8	80.3	80.7	83.0	83.8	84.2	84.6	84.6	84.6	84.6	84.6	84.6	[illegible]
≥ 1000	[illegible]	66.8	74.5	78.4	81.9	82.3	85.3	86.5	87.3	87.6	87.6	87.6	87.6	87.6	87.6	[illegible]
≥ 900	[illegible]	66.8	74.9	78.8	82.3	83.4	85.7	87.3	88.1	88.4	88.4	88.4	88.4	88.4	88.4	[illegible]
≥ 800	[illegible]	68.7	76.8	80.7	84.2	85.3	87.6	89.6	90.4	90.7	90.7	90.7	90.7	90.7	90.7	[illegible]
≥ 700	[illegible]	[illegible]	77.2	82.2	86.1	87.3	90.0	91.9	92.7	93.1	93.1	93.1	93.1	93.1	93.1	[illegible]
≥ 600	[illegible]	69.1	77.2	82.2	86.5	89.0	90.7	92.7	93.4	93.8	93.8	93.8	93.8	93.8	93.8	[illegible]
≥ 500	[illegible]	[illegible]	77.6	83.0	87.6	89.2	91.9	93.8	95.0	96.1	96.5	96.5	96.5	96.5	96.5	[illegible]
≥ 400	[illegible]	[illegible]	77.6	83.0	87.6	89.2	92.3	94.6	95.8	97.3	97.7	97.7	97.7	98.1	98.1	[illegible]
≥ 300	[illegible]	[illegible]	77.8	83.4	88.0	89.4	92.7	95.0	96.1	98.1	98.5	98.9	98.5	98.6	99.2	[illegible]
≥ 200	[illegible]	69.5	77.6	83.4	88.0	89.6	92.7	95.0	96.1	98.1	98.5	98.5	98.5	99.2	99.6	[illegible]
≥ 100	[illegible]	69.5	77.6	83.4	88.0	89.6	92.7	95.0	96.1	98.1	98.5	98.5	98.5	99.2	99.6	[illegible]
0	[illegible]	69.5	77.6	83.4	88.0	89.6	92.7	95.0	96.1	98.1	98.5	98.5	98.5	99.2	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible], VA	[illegible]-77	[illegible]

HOURS (LST) 1

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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.2	56.2	56.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.2	56.2	56.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	56.9	56.9	56.9	56.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[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]	[illegible]
≥ 3500	[illegible]	[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]	[illegible]
≥ 2500	[illegible]	[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]	[illegible]
≥ 1800	[illegible]	[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]	[illegible]
≥ 1200	[illegible]	[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]	[illegible]
≥ 900	[illegible]	[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]	[illegible]
≥ 700	[illegible]	[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]	[illegible]
≥ 500	[illegible]	[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]	[illegible]
≥ 300	[illegible]	[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]	[illegible]
≥ 100	[illegible]	[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]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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	≥ ½	≥ ½	≥ 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 _____

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																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 14000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 1910

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

01

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.4	51.3	54.3	56.3	56.3	56.3	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	2.4	57.2	60.1	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	2.4	57.2	60.1	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	2.4	57.2	60.1	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	2.4	57.2	60.1	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	2.4	58.1	62.5	64.4	64.4	64.4	64.4	64.4	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	2.4	64.4	66.8	70.7	70.7	70.7	70.7	70.7	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	2.4	65.4	68.2	71.2	71.2	71.2	71.2	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	2.4	70.7	74.5	76.4	76.4	76.4	76.4	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	2.4	72.1	76.0	77.9	77.9	77.9	77.9	77.9	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000	2.4	73.4	77.4	79.3	79.3	79.3	79.3	79.3	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	2.4	76.0	79.8	81.7	81.7	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	2.4	76.0	79.8	81.7	81.7	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	2.4	78.4	82.7	85.1	85.1	85.1	85.6	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	2.4	78.4	82.7	85.1	85.1	85.1	85.6	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	2.4	80.3	85.1	87.5	87.5	87.5	88.0	88.0	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	2.4	80.4	85.6	88.5	88.5	88.5	88.9	88.9	88.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	2.4	80.4	86.1	89.9	89.9	89.9	90.4	90.4	90.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	2.4	80.8	86.5	89.9	89.9	89.9	90.4	90.4	90.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	2.4	80.8	86.5	89.9	90.4	90.4	90.9	90.9	90.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	2.4	80.8	86.5	89.9	90.4	90.4	90.9	90.9	90.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	2.4	80.8	86.5	89.9	90.4	90.4	90.9	91.4	91.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	2.4	81.3	86.5	91.4	91.4	91.4	91.8	92.3	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.8
≥ 800	2.4	81.3	86.5	91.4	92.3	92.3	93.3	93.8	93.8	94.7	94.7	94.7	94.7	94.7	95.2	95.2
≥ 700	2.4	81.3	86.5	91.4	92.3	92.3	93.8	94.7	94.7	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 600	2.4	81.3	86.5	91.4	92.3	92.3	93.8	94.7	94.7	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 500	2.4	81.3	86.5	91.4	92.3	93.3	94.7	95.7	95.7	96.6	96.6	96.6	96.6	96.6	97.1	97.1
≥ 400	2.4	81.3	86.5	91.4	93.3	93.8	95.2	96.2	96.2	97.1	97.1	97.1	97.1	97.1	97.6	97.6
≥ 300	2.4	81.3	86.5	91.4	93.3	94.2	95.7	96.6	96.6	98.1	98.1	98.1	98.6	98.6	99.1	99.1
≥ 200	2.4	81.3	86.5	91.4	93.3	94.2	95.7	96.6	96.6	98.1	98.1	98.1	99.0	99.0	99.5	99.5
≥ 100	2.4	81.3	86.5	91.4	93.3	94.2	95.7	96.6	96.6	98.1	98.1	98.1	99.0	99.5	100.0	100.0
0	2.4	81.3	86.5	91.4	93.3	94.2	95.7	96.6	96.6	98.1	98.1	98.1	99.0	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | 67-77 | NOV

STATION | STATION NAME | YEARS | MONTH

7

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	[illegible]	49.6	47.8	51.5	52.4	53.7	54.1	55.0	55.0	55.4	55.4	55.4	[illegible]	55.[illegible]	56.3	[illegible]
≥ 20000	[illegible]	50.2	52.4	54.6	55.8	57.1	57.6	58.4	58.4	58.9	58.9	58.9	58.9	59.3	59.7	[illegible]
≥ 18000	[illegible]	50.2	52.4	54.6	55.8	57.1	57.6	58.4	58.4	58.9	58.9	58.9	58.9	59.3	59.7	[illegible]
≥ 16000	[illegible]	50.2	52.4	54.6	55.8	57.1	57.6	58.4	58.4	58.9	58.9	58.9	58.9	59.3	59.7	[illegible]
≥ 14000	[illegible]	50.2	52.4	54.6	55.8	57.1	57.6	58.4	58.4	58.9	58.9	58.9	58.9	59.3	59.7	[illegible]
≥ 12000	[illegible]	50.2	52.4	54.6	55.8	57.1	57.6	58.4	58.4	58.9	58.9	58.9	58.9	59.3	59.7	[illegible]
≥ 10000	[illegible]	52.4	54.6	56.8	58.0	59.3	59.8	60.6	60.6	61.1	61.1	61.1	61.1	61.5	61.9	62.3
≥ 9000	[illegible]	52.4	54.6	56.8	58.0	59.3	59.8	60.6	60.6	61.1	61.1	61.1	61.1	61.5	61.9	62.3
≥ 8000	[illegible]	56.7	58.9	61.2	62.4	63.7	64.2	65.0	65.0	65.5	65.5	65.5	65.5	65.9	66.3	66.7
≥ 7000	11.3	57.4	59.7	61.9	63.2	64.5	65.0	65.8	65.8	66.3	66.3	66.3	66.3	66.7	67.1	67.5
≥ 6000	11.3	58.6	60.9	63.2	64.4	65.7	66.2	67.0	67.0	67.5	67.5	67.5	67.5	67.9	68.3	68.7
≥ 5000	12.1	62.3	64.5	66.8	68.0	69.3	69.8	70.6	70.6	71.1	71.1	71.1	71.1	71.5	71.9	72.3
≥ 4500	12.1	62.5	64.7	67.0	68.2	69.5	70.0	70.8	70.8	71.3	71.3	71.3	71.3	71.7	72.1	72.5
≥ 4000	13.1	64.1	66.3	68.6	69.8	71.1	71.6	72.4	72.4	72.9	72.9	72.9	72.9	73.3	73.7	74.1
≥ 3500	13.4	65.4	67.6	69.9	71.1	72.4	72.9	73.7	73.7	74.2	74.2	74.2	74.2	74.6	75.0	75.4
≥ 3000	13.4	66.7	68.9	71.2	72.4	73.7	74.2	75.0	75.0	75.5	75.5	75.5	75.5	75.9	76.3	76.7
≥ 2500	13.4	67.8	70.1	72.4	73.6	74.9	75.4	76.2	76.2	76.7	76.7	76.7	76.7	77.1	77.5	77.9
≥ 2000	13.4	70.1	72.4	74.7	75.9	77.2	77.7	78.5	78.5	79.0	79.0	79.0	79.0	79.4	79.8	80.2
≥ 1800	13.4	70.1	72.4	74.7	75.9	77.2	77.7	78.5	78.5	79.0	79.0	79.0	79.0	79.4	79.8	80.2
≥ 1500	13.4	70.1	72.4	74.7	75.9	77.2	77.7	78.5	78.5	79.0	79.0	79.0	79.0	79.4	79.8	80.2
≥ 1200	13.4	70.6	72.9	75.2	76.4	77.7	78.2	79.0	79.0	79.5	79.5	79.5	79.5	79.9	80.3	80.7
≥ 1000	13.4	71.0	73.3	75.6	76.8	78.1	78.6	79.4	79.4	79.9	79.9	79.9	79.9	80.3	80.7	81.1
≥ 900	13.4	71.0	73.3	75.6	76.8	78.1	78.6	79.4	79.4	79.9	79.9	79.9	79.9	80.3	80.7	81.1
≥ 800	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 700	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 600	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 500	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 400	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 300	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 200	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 100	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5
≥ 0	13.4	71.4	73.7	76.0	77.2	78.5	79.0	79.8	79.8	80.3	80.3	80.3	80.3	80.7	81.1	81.5

TOTAL NUMBER OF OBSERVATIONS 21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] YEARS NOV MONTH

12 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	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	48.2	51.2	51.4	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3	54.3	54.3	[illegible]
≥ 18000	[illegible]	48.2	51.2	51.4	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3	54.3	54.3	[illegible]
≥ 16000	[illegible]	48.2	51.2	51.4	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3	54.3	54.3	[illegible]
≥ 14000	[illegible]	48.6	50.6	51.0	53.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7	54.7	54.7	[illegible]
≥ 12000	[illegible]	49.0	51.4	52.6	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.9	55.9	55.9	[illegible]
≥ 10000	[illegible]	[illegible]	51.4	54.3	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.5	59.5	59.5	[illegible]
≥ 9000	[illegible]	52.6	55.9	57.1	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	[illegible]	60.7	60.7	[illegible]
≥ 8000	[illegible]	58.7	61.9	[illegible]	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8	66.8	[illegible]
≥ 7000	[illegible]	59.5	62.8	64.0	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0	68.0	[illegible]
≥ 6000	[illegible]	[illegible]	64.5	66.4	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.5	70.5	70.5	[illegible]
≥ 5000	[illegible]	64.8	68.1	69.4	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5	[illegible]
≥ 4500	[illegible]	[illegible]	69.8	[illegible]	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.3	75.3	75.3	[illegible]
≥ 4000	[illegible]	66.8	70.0	71.7	75.7	76.1	76.5	76.5	76.5	76.9	76.9	76.9	77.3	77.3	77.3	[illegible]
≥ 3500	[illegible]	67.6	70.8	72.5	76.5	76.9	77.3	77.3	77.3	77.7	77.7	77.7	78.1	78.1	78.1	[illegible]
≥ 3000	[illegible]	69.6	72.9	74.5	78.5	79.0	79.4	79.4	79.4	79.8	79.8	79.8	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	76.9	79.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	76.9	79.4	[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]	[illegible]
≥ 1200	[illegible]	[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]	[illegible]
≥ 900	[illegible]	[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]	[illegible]
≥ 700	[illegible]	[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]	[illegible]
≥ 500	[illegible]	[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]	[illegible]
≥ 300	[illegible]	[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]	[illegible]
≥ 100	[illegible]	[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]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	69-77	NOV

HOURS (LST): 11

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	[illegible]	51.4	52.4	53.0	[illegible]	53.0	53.0	53.0	53.0	53.0	[illegible]	53.0	53.0	53.0	53.0	[illegible]
≥ 20000	51.3	48.6	50.7	51.0	51.4	51.4	51.4	51.4	51.4	51.0	[illegible]	51.0	51.0	51.0	51.0	51.0
≥ 18000	51.3	48.6	50.7	51.0	51.4	51.4	51.4	51.4	51.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	51.3	48.6	50.7	51.0	51.4	51.4	51.4	51.4	51.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	51.7	49.4	51.0	51.4	52.2	52.2	52.2	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	51.7	49.4	51.0	52.6	53.0	53.0	53.0	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	54.0	55.4	57.4	58.2	58.6	58.6	58.6	58.6	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	54.0	56.2	58.2	59.0	59.4	59.4	59.4	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	59.0	60.1	62.3	63.5	63.9	63.9	63.9	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	59.0	61.2	63.4	64.6	65.0	65.0	65.0	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	59.4	63.2	65.5	66.7	67.1	67.1	67.1	67.1	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 5000	59.8	66.1	68.4	69.6	70.0	70.0	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	59.8	67.9	69.9	71.1	71.5	71.5	71.5	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	60.1	71.5	73.5	74.7	75.1	75.1	75.1	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	60.5	72.7	74.7	75.9	76.3	76.3	76.3	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	60.1	75.9	77.9	79.1	79.5	79.5	79.5	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	60.5	78.7	81.1	82.7	83.1	83.1	83.1	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	62.0	81.7	83.5	85.5	85.9	85.9	85.9	86.8	86.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	63.2	81.1	83.9	85.9	86.4	86.4	86.4	87.2	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	63.2	82.3	85.1	87.6	88.0	88.0	88.0	88.8	88.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	63.2	83.5	86.4	88.8	89.2	89.6	89.6	91.6	91.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	63.2	84.3	87.2	89.6	90.0	90.4	90.4	93.2	93.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	63.2	84.3	87.2	89.6	90.0	90.4	90.4	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	63.2	84.7	87.6	90.0	90.4	90.8	90.8	94.0	94.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	63.2	84.7	88.0	90.4	91.2	91.6	91.6	94.8	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	63.2	84.7	88.0	90.4	91.6	92.0	93.2	96.4	96.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2
≥ 400	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2
≥ 300	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.8	99.2	99.6	99.6	99.6	99.6	99.6
≥ 200	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.8	99.6	100.0	100.0	100.0	100.0	100.0
≥ 100	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.8	99.6	100.0	100.0	100.0	100.0	100.0
0	63.2	84.7	88.0	90.8	92.0	92.4	93.6	97.2	97.2	98.8	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 240

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH | 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	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
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≥ 1800																
≥ 1600																
≥ 1400																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET 3MOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH NOV

HOURS (L S T) ALL

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	4	4	51.3	51.5	51.7	51.9	52.1	52.1	52.3	52.3	52.3	52.5	52.5	52.6	
≥ 20000	12	3	3	56.9	57.4	57.6	57.8	58.0	58.0	58.3	58.3	58.3	58.4	58.4	58.5	
≥ 18000	12	3	55.5	56.9	57.4	57.6	57.8	58.0	58.0	58.3	58.3	58.3	58.4	58.4	58.5	
≥ 16000	12	3	55.5	56.9	57.4	57.6	57.8	58.0	58.0	58.3	58.3	58.3	58.4	58.4	58.5	
≥ 14000	12	3	55.7	57.1	57.7	57.9	58.1	58.3	58.3	58.5	58.5	58.5	58.6	58.7	58.8	
≥ 12000	12	4	57.7	59.6	59.5	59.5	59.7	59.9	59.9	60.1	60.1	60.1	60.2	60.3	60.4	
≥ 10000	1	9	63.5	64.2	64.9	65.2	65.3	65.6	65.6	65.8	65.8	65.9	65.9	66.0	66.1	
≥ 9000	13	10	63.2	64.3	65.6	65.9	66.0	66.2	66.2	66.4	66.4	66.4	66.5	66.6	66.7	
≥ 8000	2	59.3	69.8	71.1	71.1	71.3	71.5	71.6	71.6	71.9	71.9	71.9	72.0	72.1	72.1	
≥ 7000	14	66.8	7	71.8	72.4	73.1	73.2	73.4	73.4	73.7	73.7	73.7	73.8	73.9	73.9	
≥ 6000	14	67.8	71.1	72.9	73.9	74.2	74.4	74.6	74.6	74.9	74.9	74.9	75.0	75.0	75.1	
≥ 5000	14	70.5	73.9	75.9	77.1	77.4	77.6	77.8	77.8	78.1	78.1	78.0	78.2	78.2	78.3	
≥ 4500	1	71.1	74.5	76.5	77.7	78	78.3	78.5	78.5	78.8	78.8	78.8	78.9	78.9	79	
≥ 4000	17	73.5	77.2	79.2	80.4	80.7	81.1	81.3	81.3	81.7	81.7	81.7	81.8	81.8	81.9	
≥ 3500	17	74.6	78.4	80.6	81.8	82.2	82.6	82.8	82.8	83.1	83.1	83.1	83.2	83.3	83.3	
≥ 3000	17	76	80.7	82.9	84.2	84.6	85.0	85.2	85.2	85.6	85.6	85.6	85.7	85.7	85.8	
≥ 2500	18	78.2	82	84.6	86.2	86.6	87.0	87.2	87.2	87.6	87.6	87.6	87.9	88	88	
≥ 2000	18	79.5	84	86.5	88.0	88.4	88.7	89.2	89.2	89.7	89.7	89.7	89.9	89.9	90	
≥ 1800	19	79.5	84.7	86.6	88.1	88.4	88.8	89.4	89.4	89.9	89.9	89.9	90.0	90.0	90.1	
≥ 1500	19	79.9	84.6	87.4	88.9	89.4	89.8	90.5	90.5	91.1	91.1	91.1	91.2	91.3	91.4	
≥ 1200	19	80.3	85.1	88	89.6	90.1	90.6	91.4	91.4	92.0	92.0	92.0	92.1	92.2	92.3	
≥ 1000	19	80.4	85.5	88.5	90.3	90.9	91.4	92.5	92.5	93.1	93.1	93.1	93.3	93.3	93.4	
≥ 900	19	80	85.5	88.6	90.4	91.1	91.7	92.9	92.9	93.5	93.5	93.6	93.7	93.8	93.9	
≥ 800	19	80.9	85.7	89.0	90.9	91.6	92.3	93.8	93.8	94.5	94.5	94.7	94.8	94.8	94.9	
≥ 700	19	80.9	85.9	89.1	91.0	91.9	92.9	94.3	94.3	95.2	95.3	95.4	95.5	95.5	95.7	
≥ 600	19	80.9	85.9	89.2	91.3	2.1	93.5	95.0	95.0	96.0	96.2	96.3	96.4	96.5	96.6	
≥ 500	19	81	85.8	89.4	91.8	92.8	94.3	96.0	96.0	97.1	97.3	97.4	97.6	97.7	97.8	
≥ 400	19	81.1	86	89.5	91.9	93	94.6	96.5	96.5	97.7	97.8	98.1	98.3	98.3	98.4	
≥ 300	19	81.1	86	89.5	92.0	93.1	94.7	96.7	96.7	98.1	98.2	98.5	98.8	98.9	99.0	
≥ 200	19	81.1	86	89.5	92.0	93.1	94.7	96.7	96.7	98.1	98.4	98.7	99.2	99.2	99.3	
≥ 100	19	81.1	86.0	89.5	92.0	93.1	94.7	96.7	96.7	98.1	98.4	98.7	99.2	99.3	99.5	
0	19	81.1	86.0	89.5	92.0	93.1	94.7	96.7	96.7	98.1	98.4	98.7	99.2	99.3	99.5	

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

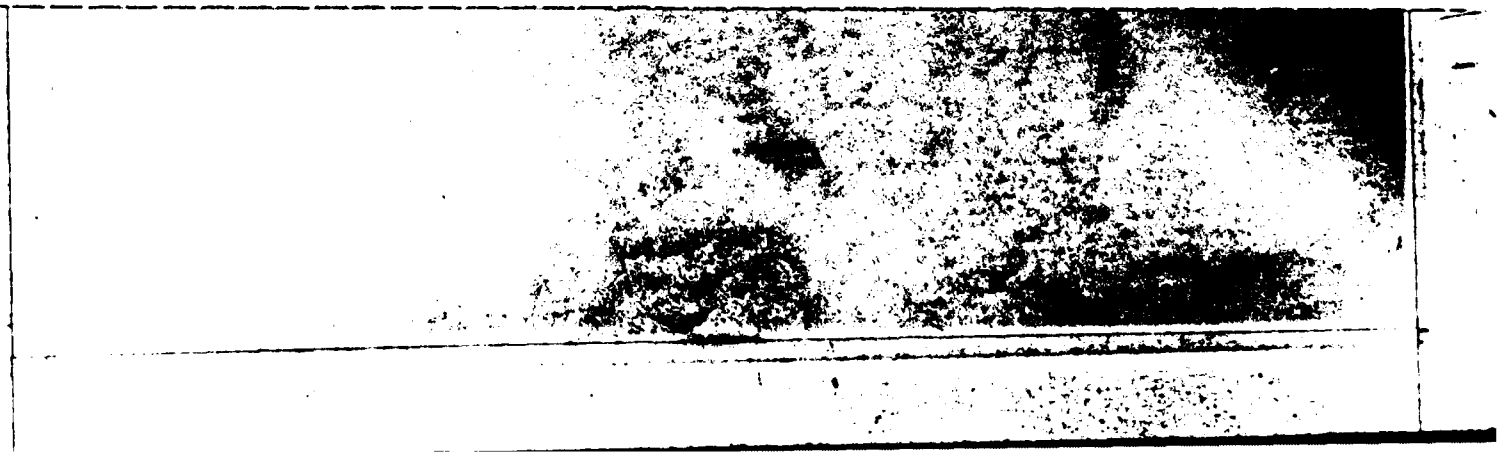
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

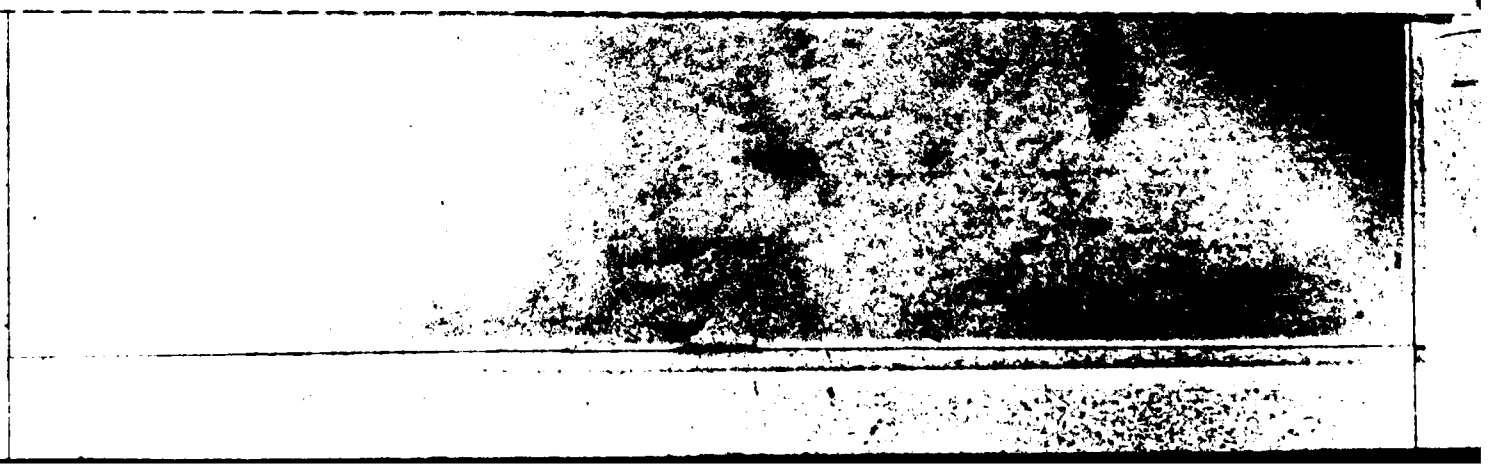
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HOURS (L S T)

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																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
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100																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 77-77 MONTH DEC

HOURS (LST) 14

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		41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000		45.6	45.1	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000		45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000		45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000		45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 12000		45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		53.1	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000		53.1	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 8000		56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000		61.	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 6000		61.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000		65.7	66.4	66.4	66.8	66.8	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500		68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000		70.1	71.4	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500		70.8	71.8	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3000		70.3	75.4	77.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500		75.1	77.8	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000		76.	78.3	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800		76.4	78.8	80.1	80.9	80.	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500		77.6	80.1	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200		79.3	81.7	83.8	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		80.1	82.6	84.7	85.9	85.9	85.9	85.9	86.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900		80.1	82.6	84.7	85.9	85.9	85.9	85.9	86.3	86.7	87.1	87.6	87.6	87.6	87.6	87.6
≥ 800		80.1	82.6	84.7	85.9	86.3	86.3	86.7	86.7	87.1	87.6	88.4	89.2	89.2	89.2	89.2
≥ 700		80.1	83.0	85.5	86.7	87.6	87.6	88.4	88.4	88.8	89.2	90.0	90.9	90.9	90.9	90.9
≥ 600		80.1	83.0	85.5	86.7	87.6	87.6	88.8	88.8	89.6	90.0	90.9	91.7	91.7	91.7	91.7
≥ 500		83.0	85.9	87.6	88.4	88.8	90.9	90.9	92.1	93.0	93.8	94.6	94.6	94.6	94.6	94.6
≥ 400		83.2	85.9	87.6	88.4	88.8	91.3	91.3	93.0	93.8	94.6	95.4	95.4	96.3	96.3	96.3
≥ 300		83.2	85.9	87.6	88.4	88.8	92.1	92.1	94.2	95.0	95.9	96.7	96.7	97.9	98.3	98.3
≥ 200		83.2	85.9	87.6	88.4	88.8	92.1	92.1	94.2	95.4	96.3	97.1	97.9	99.2	99.6	99.6
≥ 100		83.2	85.9	87.6	88.4	88.8	92.1	92.1	94.2	95.4	96.3	97.1	97.9	99.2	99.6	99.6
0		83.2	85.9	87.6	88.4	88.8	92.1	92.1	94.2	95.4	96.3	97.1	97.9	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 223

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible], VA YEARS [illegible] MONTH [illegible]

HOURS (LST) ALL

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	[illegible]	41.3	42.4	42.6	42.2	43.2	43.5	43.6	43.6	43.5	43.6	43.6	43.6	43.6	43.6	[illegible]
≥ 20000	[illegible]	45.[illegible]	47.2	47.6	48.1	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.5	[illegible]
≥ 18000	[illegible]	46.3	47.4	47.7	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7
≥ 16000	[illegible]	46.[illegible]	47.4	47.7	48.[illegible]	48.3	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	[illegible]	46.9	47.[illegible]	48.3	48.8	48.9	49.2	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	[illegible]
≥ 12000	[illegible]	46.[illegible]	48.4	48.8	50.4	50.5	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	[illegible]
≥ 10000	[illegible]	52.[illegible]	53.6	54.2	54.7	54.8	55.1	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	[illegible]
≥ 9000	[illegible]	52.[illegible]	54.4	54.8	55.3	55.4	55.7	55.6	55.3	55.6	55.9	55.9	55.9	55.9	55.9	[illegible]
≥ 8000	[illegible]	58.2	59.9	60.3	60.8	60.9	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	[illegible]
≥ 7000	[illegible]	60.[illegible]	61.6	62.2	62.8	62.9	63.1	63.2	63.2	63.2	63.3	63.3	63.4	63.4	63.4	[illegible]
≥ 6000	[illegible]	60.[illegible]	62.9	63.4	63.9	64.0	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 5000	[illegible]	64.[illegible]	66.2	66.8	67.6	67.7	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	[illegible]
≥ 4500	[illegible]	65.2	67.7	68.3	69.1	69.3	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9
≥ 4000	[illegible]	68.9	71.3	72.[illegible]	72.6	73.[illegible]	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	[illegible]
≥ 3500	[illegible]	69.3	72.2	73.[illegible]	74.[illegible]	74.2	74.6	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	[illegible]
≥ 3000	[illegible]	71.9	75.1	76.1	77.2	77.5	78.[illegible]	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4
≥ 2500	[illegible]	72.9	76.4	77.7	78.9	79.2	79.7	79.8	79.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	73.[illegible]	77.5	79.0	80.3	80.6	81.2	81.3	81.3	81.5	81.6	81.6	81.7	81.7	81.8	81.8
≥ 1800	[illegible]	73.9	77.5	79.1	80.5	80.8	81.4	81.5	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9
≥ 1500	[illegible]	74.[illegible]	77.7	80.3	81.8	82.3	82.9	83.1	83.1	83.3	83.4	83.4	83.5	83.5	83.6	[illegible]
≥ 1200	[illegible]	75.4	79.5	81.4	82.2	82.7	84.3	84.5	84.5	84.8	84.9	84.9	85.1	85.1	85.1	85.1
≥ 1000	[illegible]	75.[illegible]	8[illegible].3	82.3	83.[illegible]	83.9	85.9	86.2	86.2	86.6	86.9	86.9	87.2	87.2	87.3	[illegible]
≥ 900	[illegible]	76.1	8[illegible].5	82.6	84.[illegible]	85.5	86.5	86.8	86.8	87.3	87.7	87.8	88.1	88.1	88.2	88.2
≥ 800	[illegible]	76.2	8[illegible].6	82.8	85.1	86.1	87.3	87.8	87.8	88.2	88.[illegible]	88.8	89.2	89.2	89.2	89.3
≥ 700	[illegible]	76.[illegible]	81.1	83.4	85.8	86.9	88.2	89.0	89.[illegible]	89.8	90.4	90.5	91.1	91.1	91.1	91.1
≥ 600	[illegible]	76.7	81.5	84.[illegible]	86.6	87.9	89.4	90.2	90.3	91.1	91.7	92.[illegible]	92.5	92.5	92.6	[illegible]
≥ 500	[illegible]	76.9	82.[illegible]	84.5	87.3	88.7	90.4	91.5	91.[illegible]	92.7	93.6	93.9	94.5	94.5	94.5	[illegible]
≥ 400	[illegible]	76.9	82.[illegible]	84.5	87.4	88.8	90.6	92.2	92.3	93.7	94.7	95.[illegible]	95.6	95.7	96.[illegible]	[illegible]
≥ 300	[illegible]	76.9	82.[illegible]	84.5	87.4	88.9	91.1	92.5	92.7	94.1	95.5	95.9	96.7	97.1	97.7	98.1
≥ 200	[illegible]	77.[illegible]	83.1	84.5	[illegible]7.5	[illegible]8.9	91.2	92.7	92.8	94.3	95.8	96.4	97.2	97.7	98.3	98.9
≥ 100	[illegible]	77.[illegible]	83.1	84.5	87.5	88.9	91.2	92.7	92.8	94.4	95.9	96.4	97.3	97.9	98.8	99.7
0	[illegible]	77.[illegible]	83.1	84.5	87.5	88.9	91.2	92.7	92.[illegible]	94.4	95.9	96.4	97.3	97.9	98.8	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1969

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | 60-74 | ALL

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

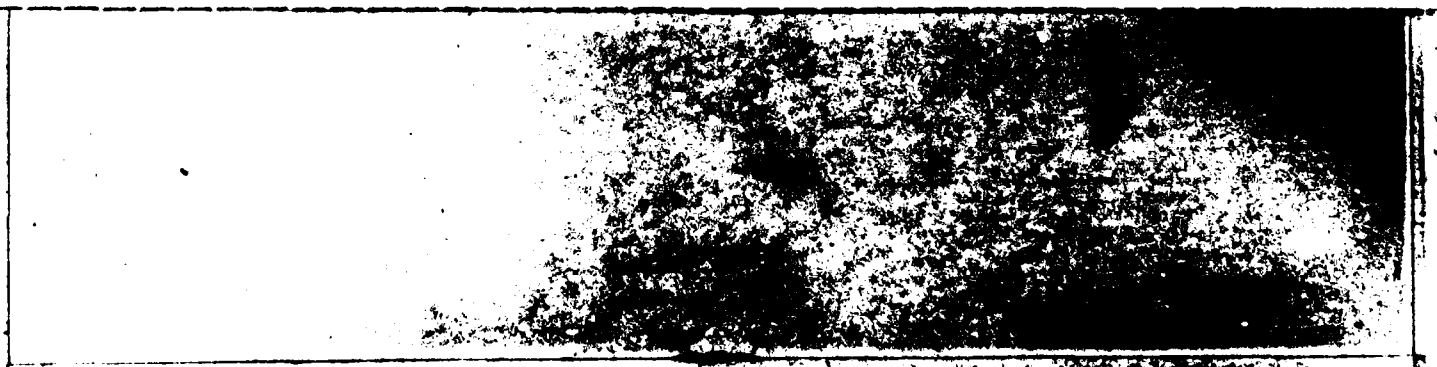
ALL

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	1..	42.3	47.6	47.8	49.5	50.0	50.5	50.7	50.7	5..9	5..9	5..9	5..9	51..	51..	51..
≥ 20000	1..4	47.3	51.3	53.7	55.7	56.2	56.8	57.0	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.4
≥ 18000	1..4	47.6	51.4	53.9	55.8	56.4	57.0	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5
≥ 16000	1..5	47.7	51.4	53.9	55.9	56.4	57.0	57.2	57.2	57.4	57.5	57.5	57.5	57.5	57.6	57.6
≥ 14000	14.5	47..	51.5	54.3	56.2	56.7	57.4	57.6	57.6	57.8	57.9	57.9	57.9	57.9	58.0	58.0
≥ 12000	14..	47.5	51.4	55.9	57.8	58.5	59.1	59.4	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 10000	15..	53.9	59.3	61.2	63.5	64.1	64.8	65.1	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 9000	1..5	54.3	59.6	61.5	63.8	64.4	65.2	65.4	65.4	65.6	65.7	65.7	65.7	65.8	65.8	65.8
≥ 8000	16..	58.5	63.5	66.1	68.6	69.2	70.0	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.7	70.7
≥ 7000	17..	59.3	64.2	67.3	69.8	70.5	71.3	71.5	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9
≥ 6000	17..	60.0	65..	68.1	70.6	71.3	72.1	72.4	72.4	72.6	72.7	72.7	72.7	72.8	72.8	72.8
≥ 5000	17.7	62.4	67.5	7..8	7..5	74.2	75.0	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.7	75.7
≥ 4500	1..8	63.7	6..4	71.7	74.4	75.1	76.0	76.3	76.3	76.5	76.6	76.6	76.6	76.7	76.7	76.7
≥ 4000	1..3	65.7	71.2	74.8	77.7	78.4	79.3	79.6	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.1
≥ 3500	1..3	66.9	72.5	76.1	79.1	79.9	80.8	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5
≥ 3000	1..2	69.2	7..3	79.1	82.4	83.2	84.2	84.6	84.6	84.8	84.9	84.9	85.0	85.0	85.0	85.0
≥ 2500	1..8	70.4	75.6	80.6	84..	84.9	85.9	86.3	86.3	86.6	86.7	86.7	86.7	86.8	86.8	86.8
≥ 2000	1..1	71.4	77.8	82.0	85.6	86.6	87.7	88.2	88.2	88.5	88.5	88.5	88.6	88.7	88.7	88.7
≥ 1800	..4	71.4	77.9	82.1	85..	86.7	87.9	88.3	88.3	88.6	88.7	88.7	88.8	88.8	88.8	88.9
≥ 1500	1..7	72.1	7..6	83.2	87.0	88.1	89.3	89.8	89.8	90.2	90.2	90.3	90.4	90.4	90.4	90.4
≥ 1200	1..7	72.5	7..3	83.8	87.8	89.0	90.3	90.9	90.9	91.3	91.3	91.4	91.5	91.5	91.5	91.5
≥ 1000	1..7	73.1	8..0	84.8	89.1	90.4	91.6	92.6	92.6	93.0	93.1	93.2	93.3	93.4	93.4	93.4
≥ 900	1..8	73.2	8..2	85..	89.4	90.7	92.3	93.0	93.0	93.5	93.6	93.6	93.8	93.8	93.8	93.9
≥ 800	1..3	73.4	8..5	85.4	9..0	91.5	93.2	94.0	94.0	94.5	94.6	94.7	94.8	94.9	94.9	94.9
≥ 700	1..8	73.6	8..9	85.7	9..4	91.9	93.7	94.6	94.6	95.2	95.4	95.5	95.6	95.7	95.7	95.7
≥ 600	1..8	73.7	8..9	86.0	90.7	92.3	94.3	95.2	95.2	95.9	96.2	96.3	96.4	96.5	96.5	96.5
≥ 500	1..9	73.8	81.1	86.2	91.1	92.9	95.0	96.1	96.2	97.1	97.3	97.4	97.6	97.7	97.8	97.8
≥ 400	1..9	73.9	81.2	86.3	91.3	93.1	95.3	96.5	96.6	97.5	97.9	98.0	98.2	98.4	98.5	98.5
≥ 300	1..9	73.9	81.2	86.4	91.5	93.2	95.4	96.7	96.8	97.8	98.3	98.5	98.7	98.9	99.1	99.2
≥ 200	1..0	73.9	81.3	86.4	91.3	93.2	95.5	96.8	96.9	98.0	98.5	98.7	99.0	99.2	99.4	99.6
≥ 100	1..3	73.9	81.3	86.4	91.3	93.2	95.5	96.8	96.9	98.0	98.5	98.7	99.0	99.3	99.5	99.8
0	1..3	73.9	81.3	86.4	91.3	93.2	95.5	96.8	96.9	98.0	98.5	98.7	99.1	99.3	99.6	100..

TOTAL NUMBER OF OBSERVATIONS 2[illegible]

DIRNAVOCEANMET SMOS



SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	QUANTICO, VA	69-78	JAN

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		
[illegible]	[illegible]	34.7			12.9						14.5	37.9	[illegible].5	24[illegible]
	[illegible]	3[illegible].6			14.1						17.1	43.1	[illegible].8	2[illegible]8
		1[illegible].2			22.4						21.3	42.2	6.8	2[illegible]
	1	14.[illegible]			13.7						13.0	47.4	7.0	28[illegible]
	1	1[illegible].4			10.7						23.[illegible]	46.0	7.3	28[illegible]
	[illegible]	14.[illegible]			17.[illegible]						24.0	43.6	7.0	27[illegible]
	[illegible]	1[illegible].2			24.0						14.6	42.3	6.3	2[illegible]3
	22	2[illegible].4			15.3						14.5	40.7	[illegible].8	24[illegible]
TOTALS		[illegible].			13.3						17.9	42.9	6.4	2118

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4

SKY COVER

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		
TOTALS														

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SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]73	[illegible]	6[illegible]-78	MAY

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		
[illegible]	1	2.7			1[illegible]						11.4	43.5	5.9	2[illegible]
	[illegible]	2.[illegible]			15.7						12.5	42.7	5.9	[illegible]
	[illegible]	1[illegible].6			1[illegible].2						2[illegible].[illegible]	44.4	6.9	[illegible]
	[illegible]	.[illegible]			22.[illegible]						25.[illegible]	42.6	7.2	2[illegible]1
	1	1.[illegible]			1[illegible].9						25.[illegible]	43.8	7.3	2[illegible]3
	[illegible]	1[illegible].[illegible]			17.7						27.3	42.4	7.2	271
	[illegible]	1.[illegible]			21.[illegible]						27.1	35.[illegible]	6.7	2[illegible]1
	22	2[illegible].			[illegible].2						14.5	3[illegible].3	5.7	2[illegible]
TOTALS		1[illegible].[illegible]			1.[illegible]						20.7	41.7	[illegible].6	2[illegible]27

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SKY COVER

STATION: 173 | STATION NAME: [illegible] | PERIOD: 69-74 | MONTH: APR

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		
[illegible]	01	37.4			13.1						17.0	31.5	4.9	23[illegible]
	[illegible]	33.			2[illegible].9						15.5	[illegible].7	[illegible].0	23[illegible]
	[illegible]	19.2			25.5						21.1	35.2	5.2	47
	10	15.2			27.[illegible]						25.7	35.1	6.5	276
	[illegible]	1[illegible].			31.1						24.7	36.2	6.9	279
	1	1[illegible].[illegible]			22.[illegible]						21.3	32.9	6.8	279
	1	1[illegible].3			24.5						24.1	33.2	[illegible].2	241
	12	3[illegible].7			21.[illegible]						1[illegible].4	31.1	[illegible].2	238
TOTALS		22.[illegible]			22.2						22.1	33.1	6.0	2[illegible]7

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SKY COVER

STATION	STATION NAME	PERIOD	MONTH
73	QUANTICO, VA	62-78	MAY

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		
		32.[illegible]			[illegible]						13.[illegible]	35.1	[illegible].3	2[illegible]
		2[illegible].2			2[illegible].[illegible]						15.[illegible]	35.0	5.7	[illegible]
		1[illegible]			[illegible].4						[illegible]2.1	34.5	4.3	[illegible]1
		1[illegible].1			[illegible].6						[illegible]9.[illegible]	36.2	[illegible].7	[illegible]
	1	[illegible].4			[illegible].[illegible]						3[illegible].4	35.4	7.3	[illegible]8
	1	[illegible].[illegible]			1[illegible].4						33.[illegible]	38.7	[illegible].5	[illegible]3
	[illegible]	1[illegible].[illegible]			1[illegible].[illegible]						[illegible]2.[illegible]	36.3	[illegible].1	23[illegible]
	2	22.1			24.[illegible]						1[illegible].6	34.[illegible]	[illegible].0	2[illegible]
TOTALS		16.[illegible]			[illegible]2.[illegible]						24.[illegible]	35.7	6.5	2[illegible]

NAVWEASERVCOM



SKY COVER

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		
		21.3			21.[illegible]						22.[illegible]	36.7	[illegible].3	[illegible]
	[illegible]	17.[illegible]			21.[illegible]						2[illegible].[illegible]	[illegible]3.1	[illegible].[illegible]	23[illegible]
	[illegible]	11.7			24.[illegible]						2[illegible].[illegible]	34.[illegible]	6.8	[illegible]
	[illegible]	.9			[illegible]2.3						32.[illegible]	35.1	7.1	[illegible]
	1	[illegible].			24.[illegible]						31.[illegible]	37.3	[illegible].3	2[illegible]
	[illegible]	4.5			[illegible].[illegible]						31.2	3[illegible].[illegible]	[illegible].[illegible]	247
	1	[illegible].			2[illegible].3						2[illegible].8	40.[illegible]	[illegible].4	[illegible]26
	[illegible]2	11.			24.[illegible]						24.5	3[illegible].2	6.[illegible]	[illegible]13
TOTALS		[illegible]0.[illegible]			2[illegible].3						25.2	37.1	[illegible].[illegible]	[illegible][illegible]1

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

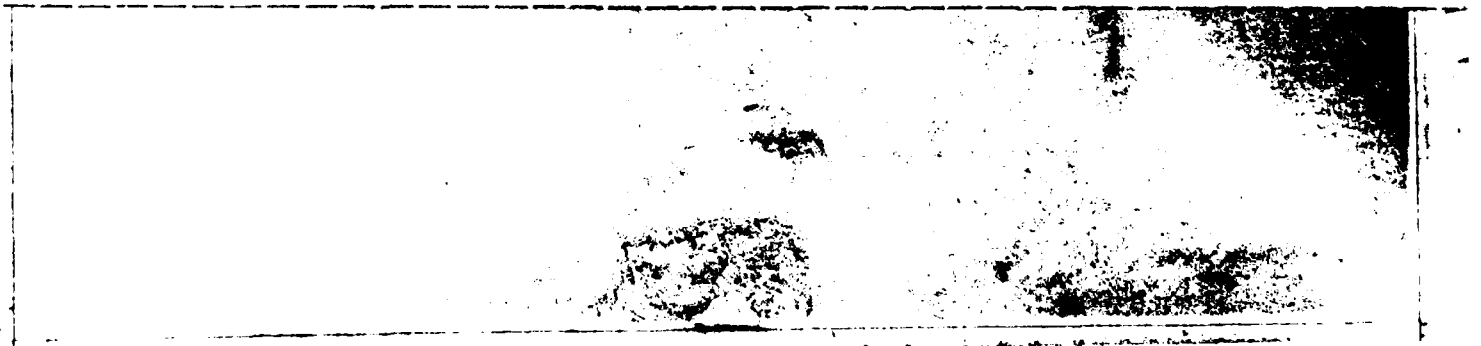
HOURS (L S T)

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																
≥ 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



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	≥ ½	≥ ½	≥ 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

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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
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≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]73	[illegible]C[illegible]	[illegible]-78	[illegible]

HOURS (L S T) [illegible]

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	2.3	47.6	47.[illegible]	[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]	47.[illegible]
≥ 20000	23.[illegible]	54.3	55.[illegible]	[illegible]	55.[illegible]	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	23.[illegible]	54.2	55.[illegible]	[illegible]	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000	23.[illegible]	54.2	55.[illegible]	[illegible]	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000	23.[illegible]	54.2	55.[illegible]	[illegible]	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	24.3	57.4	58.2	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 10000	[illegible]	62.6	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	24.[illegible]	63.0	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	[illegible]	66.5	68.1	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 7000	[illegible]	68.5	70.1	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	[illegible]	69.3	[illegible]	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	[illegible]	73.[illegible]	74.[illegible]	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	[illegible]	76.2	75.7	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	[illegible]	76.5	77.5	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	[illegible]	[illegible]	79.7	81.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	[illegible]	[illegible]	82.1	82.5	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	[illegible]	[illegible]	84.9	84.1	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	[illegible]
≥ 2000	[illegible]	2.1	84.5	85.7	86.5	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	[illegible]
≥ 1800	[illegible]	2.[illegible]	84.5	85.7	86.5	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	[illegible]
≥ 1500	[illegible]	2.[illegible]	85.3	86.5	87.[illegible]	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	[illegible]
≥ 1200	[illegible]	3.[illegible]	85.1	87.3	88.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	[illegible]
≥ 1000	[illegible]	4.5	86.9	88.1	89.6	89.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	[illegible]
≥ 900	[illegible]	5.3	87.7	88.8	[illegible]	90.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	[illegible]
≥ 800	[illegible]	5.7	88.8	90.4	92.[illegible]	92.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	[illegible]
≥ 700	[illegible]	6.1	89.2	90.8	92.4	92.8	94.8	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	[illegible].6
≥ 600	[illegible]	6.1	89.2	90.8	92.8	92.8	94.8	95.6	95.6	96.[illegible]	96.[illegible]	96.[illegible]	96.[illegible]	96.[illegible]	96.[illegible]	[illegible]
≥ 500	[illegible]	6.5	89.6	91.2	92.8	94.0	96.0	96.8	96.8	97.6	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	[illegible]
≥ 400	[illegible]	6.5	89.6	91.2	92.8	94.0	96.0	96.8	96.8	97.6	98.0	98.0	98.[illegible]	98.[illegible]	98.8	[illegible]
≥ 300	[illegible]	6.5	89.6	91.2	[illegible]	94.0	96.0	96.8	96.8	98.0	98.8	98.8	98.8	99.6	99.6	[illegible]
≥ 200	[illegible]	6.5	89.6	91.2	92.8	94.[illegible]	96.0	96.8	96.[illegible]	98.0	98.8	98.8	98.8	99.6	99.6	[illegible]
≥ 100	[illegible]	6.5	89.6	91.2	[illegible]	94.[illegible]	96.[illegible]	97.2	97.2	98.4	99.2	99.2	99.2	100.0	100.0	[illegible]
≥ 0	[illegible]	6.5	89.6	91.2	92.8	94.[illegible]	96.[illegible]	97.2	97.2	98.4	99.2	99.2	99.2	100.0	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS 251

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS -76 MONTH MAR

HOURS (LST) ALL

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																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 2092

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible], VA YEARS 59-76 MONTH APR

HOURS (LST) 01

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	[illegible]	[illegible]	57.7	[illegible]	62.9	60.[illegible]	60.[illegible]	60.5	60.5	60.[illegible]	60.5	60.5	60.5	60.5	[illegible]	[illegible]
≥ 20000	[illegible]	2.6	63.0	64.7	65.1	65.1	65.1	65.1	65.1	65.6	65.6	65.6	65.6	65.[illegible]	[illegible]	65.6
≥ 18000	[illegible]	3.[illegible]	64.3	65.1	65.6	65.6	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.[illegible]	[illegible]
≥ 16000	[illegible]	3.[illegible]	64.7	65.6	66.[illegible]	66.0	66.0	66.[illegible]	66.[illegible]	66.4	66.4	66.4	[illegible]	66.4	66.4	[illegible]
≥ 14000	[illegible]	[illegible]	66.[illegible]	66.6	67.2	67.2	67.2	67.2	67.2	67.7	67.7	67.7	67.7	67.7	67.7	[illegible]
≥ 12000	[illegible]	6.4	67.7	68.5	68.9	68.9	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	[illegible]	[illegible]
≥ 10000	[illegible]	72.3	73.5	74.4	74.8	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.[illegible]
≥ 9000	[illegible]	73.1	74.4	75.2	75.6	75.6	75.6	75.6	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	[illegible]	75.2	76.5	77.3	77.7	77.7	77.7	77.7	77.7	78.2	78.2	78.2	78.2	78.2	78.2	[illegible]
≥ 7000	[illegible]	77.3	78.6	79.4	79.8	79.8	79.8	79.8	79.8	80.3	80.3	80.3	80.3	80.3	[illegible]	[illegible]
≥ 6000	[illegible]	78.2	79.4	[illegible]	80.7	80.7	80.7	80.7	80.7	81.1	81.1	81.1	81.1	81.1	81.1	[illegible]
≥ 5000	[illegible]	79.[illegible]	80.3	81.1	81.5	81.5	81.5	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9	[illegible]
≥ 4500	[illegible]	79.[illegible]	81.7	81.5	81.9	81.9	81.9	81.9	81.9	82.4	82.4	82.4	82.4	82.4	82.4	[illegible]
≥ 4000	[illegible]	83.2	84.9	86.6	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	[illegible]
≥ 3500	[illegible]	83.6	85.7	87.4	87.8	87.8	87.8	87.8	87.8	88.2	88.2	88.2	[illegible]	88.2	88.2	[illegible]
≥ 3000	[illegible]	[illegible]	87.8	89.5	89.9	89.9	89.9	89.9	89.9	90.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	85.7	87.7	89.9	90.3	90.3	90.3	90.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	86.6	88.[illegible]	91.2	92.0	92.0	92.0	92.0	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	[illegible]	86.6	88.5	91.2	92.0	92.0	92.0	92.0	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	[illegible]	[illegible]	[illegible]	92.0	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	[illegible]
≥ 1200	[illegible]	[illegible]	[illegible]	92.4	93.3	93.3	93.7	93.7	93.7	94.1	94.1	94.1	[illegible]	94.1	94.1	[illegible]
≥ 1000	[illegible]	[illegible]	[illegible]	92.4	93.3	93.3	94.5	94.5	94.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 900	[illegible]	[illegible]	[illegible]	92.4	93.3	[illegible]	94.5	94.5	94.5	95.[illegible]	95.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800	[illegible]	[illegible]	[illegible]	93.3	94.1	[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]	[illegible]
≥ 600	[illegible]	[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]	[illegible]
≥ 400	[illegible]	[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]	[illegible]
≥ 200	[illegible]	[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]	[illegible]
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 6 - 7[illegible] MONTH APR

HOURS (L S T) [illegible]

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	[illegible]	[illegible]	57.[illegible]	6[illegible].3	6[illegible].[illegible]	[illegible]0.[illegible]	60.7	[illegible]1.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	[illegible]	[illegible]	61.[illegible]	[illegible]4.4	64.[illegible]	64.[illegible]	64.[illegible]	[illegible]5.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	[illegible]	59.[illegible]	61.[illegible]	[illegible]4.4	64.[illegible]	64.[illegible]	64.[illegible]	65.3	65.[illegible]	65.[illegible]	5.3	65.3	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]5.[illegible]
≥ 16000	[illegible]	[illegible]	62.3	64.[illegible]	65.3	[illegible]5.3	65.3	65.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	65.[illegible]	[illegible]5.[illegible]	65.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]
≥ 14000	[illegible]	[illegible]1.1	67.[illegible]	[illegible]5.[illegible]	66.1	[illegible]6.1	66.1	[illegible]6.5	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]
≥ 12000	[illegible]0.0	[illegible].3	64.[illegible]	67.0	67.[illegible]	[illegible]7.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]
≥ 10000	[illegible]1.[illegible]	[illegible]7.[illegible]	[illegible]0.[illegible]	[illegible]3.2	[illegible]3.[illegible]	73.6	[illegible]3.6	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1
≥ 9000	[illegible]1.[illegible]	[illegible]7.[illegible]	[illegible]5.[illegible]	[illegible]3.2	[illegible]3.[illegible]	73.6	[illegible]3.[illegible]	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.1
≥ 8000	[illegible]1.[illegible]	[illegible]2.[illegible]	[illegible]4.5	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]7.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]
≥ 7000	[illegible]1.[illegible]	[illegible]2.[illegible]	[illegible]5.[illegible]	[illegible]6.2	[illegible]6.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1
≥ 6000	[illegible]1.[illegible]	[illegible]3.2	[illegible]6.2	[illegible]6.[illegible]	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
≥ 5000	[illegible]1.[illegible]	[illegible]7.[illegible]	[illegible]9.9	[illegible]2.4	[illegible]2.[illegible]	[illegible]2.9	[illegible]2.9	[illegible]3.3	[illegible]3.[illegible]	[illegible]3.3	[illegible]3.3	[illegible]3.3	[illegible]3.3	[illegible]3.[illegible]	[illegible]3.3	[illegible]3.3
≥ 4500	[illegible]1.[illegible]	[illegible]8.2	[illegible]1.2	[illegible]3.[illegible]	[illegible]4.1	[illegible]4.1	[illegible]4.1	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]4.5
≥ 4000	[illegible]1.[illegible]	[illegible]9.1	[illegible]2.9	[illegible]5.4	[illegible]6.2	[illegible]6.2	[illegible]6.2	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6	[illegible]6.6
≥ 3500	[illegible]1.[illegible]	[illegible]9.9	[illegible]3.[illegible]	[illegible]6.6	[illegible]7.5	[illegible]7.5	[illegible]7.5	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9	[illegible]7.9
≥ 3000	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]4.5	[illegible]7.5	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.[illegible]
≥ 2500	[illegible] .1	[illegible]1.2	[illegible]4.9	[illegible]7.9	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.1	[illegible]9.[illegible]
≥ 2000	[illegible]0.1	[illegible].3	[illegible]7.[illegible]	[illegible]0.0	[illegible]0.[illegible]	90.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.[illegible]
≥ 1800	[illegible]0.1	[illegible].3	[illegible]7.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.[illegible]
≥ 1500	[illegible]0.1	[illegible].3	[illegible]7.[illegible]	[illegible]0.[illegible]	[illegible]1.2	1.2	91.6	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.1	[illegible]2.[illegible]
≥ 1200	[illegible]0.1	[illegible].3	[illegible]7.9	[illegible]1.[illegible]	[illegible]1.6	[illegible]2.1	[illegible]2.5	[illegible]2.9	[illegible]2.[illegible]	[illegible]2.9	[illegible]2.9	[illegible]2.9	[illegible]2.9	[illegible]2.9	[illegible]2.9	[illegible]2.[illegible]
≥ 1000	12.1	[illegible].3.7	87.9	91.6	92.9	93.3	94.1	94.6	94.6	94.6	94.6	94.6	94.[illegible]	94.[illegible]	94.6	94.6
≥ 900	[illegible]2.1	[illegible].3.7	[illegible]7.[illegible]	[illegible]1.6	[illegible]2.[illegible]	[illegible]3.3	[illegible]4.1	[illegible]4.6	[illegible]4.[illegible]	[illegible]4.6	[illegible]4.6	[illegible]4.6	[illegible]4.6	[illegible]4.6	[illegible]4.6	[illegible]4.[illegible]
≥ 800	[illegible]2.1	[illegible]3.7	[illegible]8.3	[illegible]2.1	[illegible]3.7	[illegible]4.1	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]
≥ 700	[illegible]2.1	[illegible]3.7	[illegible]8.3	[illegible]2.1	[illegible]3.7	[illegible]4.1	[illegible]5.0	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.4	[illegible]5.[illegible]
≥ 600	[illegible]2.1	[illegible]3.7	[illegible]8.3	[illegible]2.1	[illegible]3.7	[illegible]4.1	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]
≥ 500	[illegible]2.1	[illegible]3.7	[illegible]8.[illegible]	[illegible]2.1	[illegible]3.7	[illegible]4.1	[illegible]5.[illegible]	[illegible]6.7	[illegible]6.7	[illegible]7.1	[illegible]7.1	[illegible]7.1	[illegible]7.1	[illegible]7.1	[illegible]7.1	[illegible]7.[illegible]
≥ 400	[illegible]2.1	[illegible]3.7	[illegible]8.[illegible]	[illegible]2.1	[illegible]4.1	[illegible]4.6	[illegible]6.2	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.[illegible]
≥ 300	[illegible]2.1	[illegible]3.7	[illegible]8.[illegible]	[illegible]2.1	[illegible]4.1	[illegible]4.6	[illegible]6.2	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.[illegible]
≥ 200	[illegible]2.1	[illegible]3.7	[illegible]8.3	[illegible]2.1	[illegible]4.1	[illegible]4.6	[illegible]6.2	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.[illegible]
≥ 100	[illegible]2.1	[illegible]3.7	[illegible]8.[illegible]	[illegible]2.1	[illegible]4.1	[illegible]4.6	[illegible]6.2	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 0	[illegible]2.1	[illegible]3.7	[illegible]8.[illegible]	[illegible]2.1	[illegible]4.1	[illegible]4.6	[illegible]6.2	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]8.3	[illegible]9.2	[illegible]9.2	[illegible]0.0

TOTAL NUMBER OF OBSERVATIONS [illegible]219

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 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 _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 65-78 MONTH _____

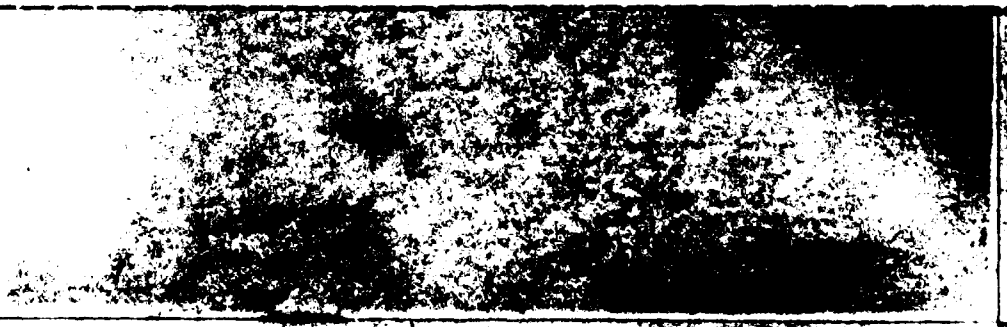
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 17

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]	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	[illegible]	50.1	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	[illegible]
≥ 18000	[illegible]	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	[illegible]
≥ 14000	[illegible]	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	[illegible]
≥ 14000	[illegible]	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	[illegible]
≥ 12000	[illegible]	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	[illegible]
≥ 10000	[illegible]	59.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	[illegible]
≥ 9000	[illegible]	60.5	60.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	[illegible]
≥ 8000	[illegible]	63.1	63.4	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	[illegible]
≥ 7000	[illegible]	53.4	67.1	64.2	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	[illegible]
≥ 6000	[illegible]	68.5	69.0	65.2	65.6	65.[illegible]	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	69.6	[illegible].3	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	[illegible]
≥ 4500	[illegible]	72.0	72.4	72.8	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	[illegible]
≥ 4000	[illegible].4	77.1	77.8	78.1	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	[illegible]
≥ 3500	[illegible]	79.2	79.9	80.3	[illegible].7	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	[illegible]
≥ 3000	[illegible]	82.4	83.2	83.9	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	[illegible]
≥ 2500	[illegible].2	86.7	87.5	88.2	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	[illegible]
≥ 2000	[illegible]	[illegible].5	89.3	90.0	90.3	[illegible].3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	[illegible]
≥ 1800	[illegible]	87.4	88.3	89.0	90.3	[illegible].3	90.7	90.7	90.7	90.7	90.7	[illegible].7	[illegible].7	90.7	90.7	[illegible]
≥ 1500	[illegible]	88.5	[illegible].0	[illegible].7	91.4	[illegible].4	[illegible].9	91.3	91.[illegible]	91.8	91.8	91.8	91.8	91.8	91.[illegible]	[illegible]
≥ 1200	[illegible]	[illegible]	91.4	92.1	93.2	93.2	93.6	[illegible].9	[illegible].9	93.9	93.9	93.9	93.9	93.9	93.9	[illegible]
≥ 1000	[illegible]	[illegible]	91.8	92.8	94.3	94.3	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	[illegible]
≥ 900	[illegible]	[illegible]	91.5	92.8	94.3	94.3	94.6	95.[illegible]	95.[illegible]	95.[illegible]	95.0	95.0	95.0	95.0	95.[illegible]	[illegible]
≥ 800	[illegible]	[illegible].3	92.1	93.2	94.6	94.6	95.[illegible]	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	[illegible]
≥ 700	[illegible]	[illegible].9	92.8	93.9	95.3	96.3	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	[illegible]
≥ 600	[illegible]	[illegible].2	94.6	95.7	97.1	97.5	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	[illegible]
≥ 500	[illegible]	[illegible].8	94.6	95.7	97.5	97.9	98.6	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	[illegible]
≥ 400	[illegible]	[illegible].2	95.0	96.1	[illegible].9	98.2	98.9	99.3	99.3	99.6	99.6	99.6	0.0	00.0	00.0	[illegible]
≥ 300	[illegible]	[illegible].2	95.[illegible]	96.1	97.9	98.2	[illegible].9	99.3	99.3	99.6	99.6	99.6	00.0	00.0	00.0	[illegible]
≥ 200	[illegible]	[illegible].2	95.[illegible]	96.1	97.9	98.2	98.9	99.3	99.3	99.6	99.6	99.6	00.0	00.0	00.0	[illegible]
≥ 100	[illegible]	3.2	95.[illegible]	96.1	97.9	98.2	98.9	99.3	99.3	99.6	99.6	99.6	00.0	00.0	00.0	00.0
≥ 0	[illegible]	3.2	95.[illegible]	96.1	97.9	[illegible].2	98.9	99.3	99.3	99.6	99.6	99.6	00.0	00.0	00.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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 283

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

2
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																
≥ 20000																
AVI 18000																
AVI 16000																
AVI 14000																
AVI 12000																
AVI 10000																
AVI 9000																
AVI 8000																
AVI 7000																
AVI 6000																
AVI 5000																
AVI 4500																
AVI 4000																
AVI 3500																
AVI 3000																
AVI 2500																
AVI 2000																
AVI 1800																
AVI 1500																
AVI 1200																
AVI 1000																
AVI 900																
AVI 800																
AVI 700																
AVI 600																
AVI 500																
AVI 400																
AVI 300																
AVI 200																
AVI 100																
AVI 0																

TOTAL NUMBER OF OBSERVATIONS

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH MAY

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	≥ ½	≥ ⅜	≥ 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 246

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.7	42.7	47.	47.7	49.1	52.9	52.7	53.	53.0	53.0	53.0	53.0	53.4	53.4	53.4
≥ 20000	15.3	45.2	49.6	50.6	52.	53.7	53.5	53.9	53.9	53.9	53.9	53.9	53.9	54.	54.2
≥ 18000	15.4	45.6	50.2	50.9	52.3	54.1	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6
≥ 16000	15.4	45.6	50.2	50.9	52.3	54.1	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6
≥ 14000	15.7	45.9	50.5	51.3	52.7	54.5	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.9	56.9
≥ 12000	15.1	47.7	52.3	53.0	54.5	56.2	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.7	58.7
≥ 10000	15.7	51.3	56.9	57.7	59.1	60.9	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.7	63.7
≥ 9000	15.7	53.1	57.7	58.4	59.8	61.6	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.8	64.8
≥ 8000	15.7	56.2	61.2	61.9	63.4	65.1	68.	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
≥ 7000	15.	57.7	63.3	63.4	65.1	66.9	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.5	70.5
≥ 6000	15.3	58.7	63.7	64.4	66.2	68.0	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 5000	15.	60.1	65.5	66.2	68.	69.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7
≥ 4500	21.7	61.2	66.6	67.3	69.	71.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	75.1	75.1
≥ 4000	21.0	61.2	67.3	68.0	70.1	72.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	76.2	76.2
≥ 3500	21.	61.2	67.3	68.0	70.5	72.6	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.5	76.5
≥ 3000	21.7	62.6	68.7	69.4	73.7	75.8	79.4	79.7	79.7	79.7	79.7	79.7	79.7	80.1	80.1
≥ 2500	22.1	64.1	70.1	71.2	74.7	77.6	81.1	81.5	81.5	81.5	81.5	81.5	81.9	81.9	81.9
≥ 2000	22.4	65.5	71.9	73.0	76.5	79.4	83.3	83.6	83.6	83.6	83.6	83.6	84.	84.0	84.
≥ 1800	22.4	65.5	71.9	73.0	76.5	79.4	83.3	83.6	83.6	83.6	83.6	83.6	84.0	84.0	84.0
≥ 1500	22.4	66.1	73.7	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 1200	22.4	66.0	73.7	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 1000	22.4	66.0	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 900	22.4	66.	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 800	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 700	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 600	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 500	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 400	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 300	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 200	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 100	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
0	22.4	66.4	73.8	74.7	78.7	81.9	85.8	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
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≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]TICO, VA	[illegible]-78	MAY

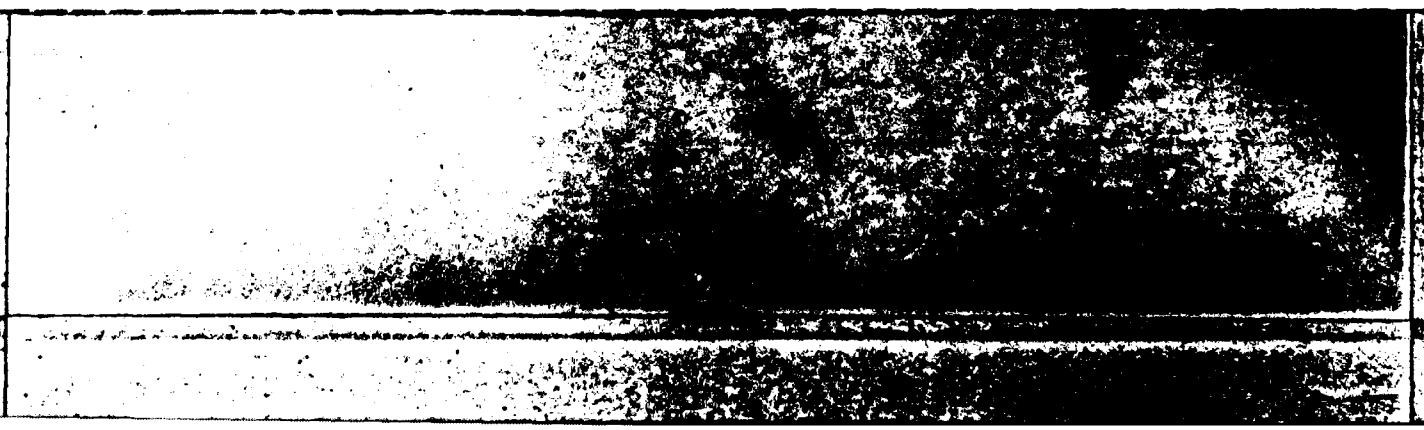
HOURS (L S T) 13

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	[illegible]	[illegible]	41.7	42.4	[illegible]	43.1	[illegible]	[illegible]	43.1	43.1	43.1	43.1	43.1	43.1	43.1	[illegible]
≥ 20000	[illegible]	[illegible]	47.6	[illegible]	[illegible]	49.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18000	[illegible]	[illegible]	47.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	47.6	[illegible]	[illegible]	49.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4500	[illegible]	67.	[illegible]	[illegible]	[illegible]	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	[illegible]	[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]	[illegible]
≥ 3000	[illegible]	[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]	[illegible]
≥ 2000	[illegible]	[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]	[illegible]
≥ 1500	[illegible]	[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]	[illegible]
≥ 1000	[illegible]	[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]	[illegible]
≥ 800	[illegible]	[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]	[illegible]
≥ 600	[illegible]	[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]	[illegible]
≥ 400	[illegible]	[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]	[illegible]
≥ 200	[illegible]	[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]	[illegible]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: [illegible] | STATION NAME: [illegible], VA | YEARS: [illegible]-78 | MONTH: MAY | HOURS (LST): 1

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	[illegible]	44.7	4[illegible]	[illegible]	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	[illegible]	55.2	55.3	55.3	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	[illegible]	55.2	55.3	55.3	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	[illegible]	55.3	55.3	55.3	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	[illegible]	55.2	55.3	55.3	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	2.0	57.0	59.1	59.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000	[illegible]	62.[illegible]	65.0	65.4	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	[illegible]	62.[illegible]	65.0	65.4	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	[illegible]	67.9	70.0	72.6	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	[illegible]	67.[illegible]	70.0	72.6	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	[illegible]	68.8	71.7	73.4	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	[illegible]	71.[illegible]	74.3	77.2	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	[illegible]	72.2	75.5	78.0	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	1[illegible].1	74.[illegible]	78.5	82.7	83.5	84.[illegible]	84.[illegible]	84.[illegible]	84.0	84.0	84.0	84.0	84.0	84.0	84.[illegible]	84.[illegible]
≥ 3500	[illegible]	76.[illegible]	81.[illegible]	85.2	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	[illegible]	81.0	85.2	89.5	9[illegible].7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	[illegible]	91.4	86.1	90.3	91.8	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]
≥ 2000	[illegible]	92.3	85.[illegible]	91.1	92.4	93.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	[illegible]	92.[illegible]	8[illegible].[illegible]	91.1	92.4	93.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	[illegible]	92.3	85.[illegible]	91.1	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	[illegible]	92.7	87.[illegible]	91.6	93.[illegible]	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	[illegible]	93.1	88.7	92.4	94.1	95.4	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	[illegible]	93.1	88.[illegible]	92.4	94.1	95.4	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	[illegible]	93.5	88.[illegible]	93.3	94.9	96.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	[illegible]	93.5	89.0	93.3	95.4	97.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	[illegible]	94.0	89.5	93.7	95.8	97.9	97.9	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	[illegible]	94.[illegible]	89.5	93.7	95.8	97.9	97.9	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	[illegible]	94.4	89.9	94.1	96.2	98.3	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	[illegible]	94.4	89.9	94.1	96.2	98.[illegible]	98.3	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	94.4	89.9	94.1	96.2	98.3	98.3	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	94.4	89.9	94.1	96.2	98.3	98.3	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	94.4	89.9	94.1	96.2	98.3	98.3	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]2

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING			51.1			56.3			57.1	57.1	57.1	57.1	57.1	57.1	57.1	
≥ 20000		54.1	54.3	58.4	61.	61.5	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
AVI 18000		54.1	54.3	58.4	61.	61.5	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
AVI 16000		54.1	54.3	58.4	61.	61.5	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
AVI 14000		54.4	54.7	59.3	61.9	62.3	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
AVI 12000		57.1	57.3	61.9	64.5	64.9	64.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
AVI 10000		59.7	60.0	65.8	68.8	69.3	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	
AVI 9000		60.2	60.4	66.2	69.3	69.7	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
AVI 8000		74.1	67.5	73.1	73.6	74.0	74.0	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
AVI 7000		74.5	67.	73.6	74.0	74.5	74.5	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
AVI 6000		76.3	69.7	75.3	75.8	76.6	76.6	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
AVI 5000		67.5	71.	73.6	77.1	77.9	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	
AVI 4500		67.5	71.9	74.5	77.9	78.8	78.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	
AVI 4000		69.3	74.	77.1	81.	81.8	81.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
AVI 3500		71.0	73.8	78.8	82.7	83.6	83.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
AVI 3000		73.2	77.8	81.8	86.2	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.2	88.2	88.2	
AVI 2500		78.1	80.1	83.1	87.5	89.2	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.5	90.5	
AVI 2000		78.5	81.0	84.0	88.7	91.3	91.8	92.6	92.6	92.6	92.6	92.6	92.1	93.1	93.1	
AVI 1800		78.5	81.0	84.0	88.7	91.3	91.8	92.6	92.6	92.6	92.6	92.6	92.1	93.1	93.1	
AVI 1500		78.5	81.0	84.4	89.6	92.2	92.6	93.5	93.5	93.5	93.5	93.5	93.9	93.9	93.9	
AVI 1200		78.5	81.4	84.9	89.6	92.6	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
AVI 1000		78.5	82.3	86.6	92.2	94.8	95.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
AVI 900		78.5	82.3	86.6	92.2	94.8	95.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
AVI 800		78.5	82.3	86.6	92.6	95.2	95.7	97.4	97.4	97.4	97.4	97.4	97.8	97.8	97.8	
AVI 700		78.5	82.7	87.0	93.1	95.7	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
AVI 600		78.5	82.7	87.0	93.1	96.1	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
AVI 500		78.5	83.1	87.5	93.5	96.5	97.0	98.7	98.7	99.1	99.1	99.1	99.6	99.6	99.6	
AVI 400		78.5	83.1	87.5	93.5	96.5	97.4	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	
AVI 300		78.5	83.1	87.5	93.5	96.5	97.4	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	
AVI 200		78.5	83.1	87.5	93.5	96.5	97.4	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	
AVI 100		78.5	83.1	87.5	93.5	96.5	97.4	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	
AVI 0		78.5	83.1	87.5	93.5	96.5	97.4	99.1	99.1	99.6	99.6	99.6	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 59-78 MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) ALL

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 .	44.2	47.4	49.5	49.5	50.2	50.7	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.
≥ 20000	1 .	46.9	50.	53.5	54.1	55.3	55.3	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.
≥ 18000	45.	49.	52.4	53.5	54.6	55.3	55.9	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.
≥ 16000	45.	49.	52.4	53.5	54.6	55.3	55.9	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.
≥ 14000	45.	49.2	52.6	53.6	54.9	55.5	56.2	56.4	56.4	56.	56.5	56.5	56.6	56.6	56.6	56.
≥ 12000	1 .	52.	54.3	55.4	56.5	57.2	57.8	58.1	58.1	58.2	58.3	58.2	58.3	58.3	58.3	58.
≥ 10000	17.	54.9	57.7	58.2	61.4	62.3	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.
≥ 9000	17.	55.5	58.5	60.7	62.1	62.	63.5	63.8	63.	63.9	63.9	63.9	63.9	64.	64.	64.
≥ 8000	1 .	59.6	63.3	65.6	67.1	67.	68.5	68.9	68.9	69.	69.0	69.0	69.1	69.2	69.	69.
≥ 7000	1 .	60.3	64.3	66.6	69.1	68.9	69.7	69.9	69.	70.	70.3	70.0	70.2	70.	70.	70.
≥ 6000	19.	62.	66.5	68.0	69.	70.4	71.2	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.
≥ 5000	20.	64.3	68.1	70.	72.3	73.2	74.0	74.2	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.
≥ 4500	20.	65.1	7 .1	71.8	73.9	74.4	75.3	75.5	75.5	75.6	75.6	75.6	75.8	75.	75.	7 .
≥ 4000	21.	67.3	7 .5	74.5	76.4	77.4	78.3	78.6	78.6	78.7	78.	78.7	78.8	78.8	78.	7 .
≥ 3500	21.	66.7	70.1	72.1	76.2	79.2	80.1	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.	.
≥ 3000	22.	71.9	77.7	79.7	82.3	83.6	84.6	84.9	84.9	85.	85.	85.0	85.2	85.2	85.	85.
≥ 2500	23.3	72.3	77.9	81.0	83.7	85.2	86.3	86.6	86.6	86.7	86.7	86.7	86.9	86.9	86.	86.
≥ 2000	23.3	74.1	80.2	82.4	85.1	86.9	88.1	88.4	88.4	88.5	88.5	88.5	88.7	88.8	88.8	88.
≥ 1800	23.2	74.1	80.3	82.5	85.3	87.0	88.2	88.5	88.5	88.7	88.7	88.7	88.9	88.9	88.9	88.
≥ 1500	23.2	74.6	81.9	83.7	86.	88.1	89.4	89.7	89.7	89.9	89.9	89.9	90.1	90.2	90.2	90.
≥ 1200	23.	75.3	81.6	84.7	87.3	89.3	90.7	91.1	91.1	91.3	91.3	91.3	91.5	91.6	91.5	91.
≥ 1000	23.3	76.2	82.7	85.5	89.1	91.3	92.9	93.5	93.5	93.7	93.7	93.8	94.0	94.1	94.1	94.
≥ 900	23.3	76.2	82.7	85.6	89.5	91.7	93.3	94.	94.0	94.2	94.3	94.3	94.5	94.6	94.6	94.
≥ 800	23.3	76.6	83.2	86.2	9 .2	92.5	94.3	95.1	95.1	95.3	95.4	95.4	95.6	95.7	95.7	95.
≥ 700	23.3	76.7	83.4	86.5	90.6	93.	94.9	95.8	95.8	96.	96.1	96.1	96.3	96.4	96.4	96.
≥ 600	23.3	76.9	83.7	86.8	91.0	93.6	95.6	96.0	96.0	96.2	96.3	96.3	96.5	97.	97.1	97.
≥ 500	23.3	77.0	84.1	87.3	91.5	94.4	96.6	97.9	97.0	98.5	98.7	98.7	98.9	99.	99.	99.
≥ 400	23.3	77.1	84.2	87.5	91.8	94.7	97.2	98.5	98.5	99.2	99.3	99.3	99.6	99.6	99.7	99.
≥ 300	23.3	77.2	84.2	87.5	91.9	94.8	97.3	98.6	98.6	99.3	99.6	99.6	99.8	99.9	99.9	99.
≥ 200	23.3	77.2	84.2	87.5	91.9	94.8	97.3	98.6	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.
≥ 100	23.3	77.2	84.2	87.5	91.9	94.8	97.3	98.6	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.
≥ 0	23.3	77.2	84.2	87.5	91.9	94.8	97.3	98.6	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

73 | [illegible], VA | [illegible]-76 | JAN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[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]	[illegible]
≥ 3500	[illegible]	[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]	[illegible]
≥ 2500	[illegible]	[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]	[illegible]
≥ 1800	[illegible]	[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]	[illegible]
≥ 1200	[illegible]	[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]	[illegible]
≥ 900	[illegible]	[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]	[illegible]
≥ 700	[illegible]	[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]	[illegible]
≥ 500	[illegible]	[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]	[illegible]
≥ 300	[illegible]	[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]	[illegible]
≥ 100	[illegible]	[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]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 2

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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 _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

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																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 65-76 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	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING				47.2												
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 12

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible] | [illegible] | JUL
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	[illegible]	48.4	47.8	47.0	47.8	50.1	50.8	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	12.[illegible]	43.[illegible]	48.2	53.3	56.3	56.7	57.5	58.0	58.0	58.3	58.4	56.4	58.4	58.4	58.4	58.4
≥ 18000	12.[illegible]	44.[illegible]	48.3	53.4	56.4	56.8	57.6	58.1	58.1	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	12.[illegible]	44.[illegible]	48.4	53.5	56.4	56.8	57.7	58.1	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	12.[illegible]	44.5	5[illegible].1	54.1	57.[illegible]	57.5	58.3	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	12.[illegible]	45.2	5[illegible].2	54.2	57.[illegible]	58.4	59.2	59.7	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	13.1	47.[illegible]	55.3	60.2	63.4	63.[illegible]	64.7	65.3	65.3	65.7	65.7	65.7	65.8	65.8	65.8	65.8
≥ 9000	13.1	47.7	56.0	60.4	63.7	64.1	65.[illegible]	65.5	65.5	65.9	66.[illegible]	66.0	66.[illegible]	66.[illegible]	66.[illegible]	66.[illegible]
≥ 8000	13.[illegible]	53.9	60.7	66.3	68.8	69.3	70.3	70.8	71.[illegible]	71.2	71.3	71.3	71.3	71.3	71.[illegible]	71.3
≥ 7000	13.[illegible]	54.9	61.[illegible]	66.6	70.1	70.7	71.7	72.2	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	13.[illegible]	55.2	62.3	67.1	70.7	71.3	72.3	72.9	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	13.1	57.2	64.6	69.9	73.5	74.1	75.1	75.7	75.7	76.1	76.1	76.1	76.2	76.2	76.2	76.2
≥ 4500	13.1	57.8	65.2	70.5	74.2	74.8	75.8	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	13.4	58.7	67.5	73.[illegible]	77.1	77.8	78.9	79.5	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	13.[illegible]	61.6	69.6	74.1	77.5	78.2	79.3	80.0	80.0	80.5	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000	13.1	64.1	72.6	76.5	80.[illegible]	80.8	82.1	82.7	82.8	83.2	83.3	83.3	83.4	83.4	83.4	83.4
≥ 2500	13.[illegible]	65.4	74.1	78.5	82.2	82.9	84.2	84.9	84.9	85.4	85.5	85.6	85.6	85.6	85.6	85.6
≥ 2000	13.[illegible]	66.6	75.7	80.2	83.4	84.2	85.7	86.3	86.4	91.[illegible]	91.1	91.1	91.2	91.2	91.2	91.2
≥ 1800	13.[illegible]	66.6	75.7	82.3	87.6	88.4	89.9	90.5	90.6	91.2	91.3	91.3	91.4	91.4	91.4	91.4
≥ 1500	13.[illegible]	67.3	76.5	83.3	88.[illegible]	89.9	91.5	92.2	92.3	93.1	93.1	93.2	93.2	93.2	93.2	93.2
≥ 1200	13.[illegible]	67.8	77.2	84.3	90.2	91.2	92.[illegible]	93.7	93.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8
≥ 1000	13.[illegible]	68.7	78.3	85.7	91.4	92.9	94.7	95.4	95.6	96.5	96.6	96.6	96.7	96.7	96.7	96.7
≥ 900	13.[illegible]	68.7	78.5	85.9	92.[illegible]	93.1	94.9	95.8	95.9	96.7	96.8	96.9	96.9	96.9	96.9	96.9
≥ 800	13.[illegible]	69.1	79.8	86.4	92.6	93.7	95.6	96.5	96.6	97.6	97.6	97.8	97.9	97.[illegible]	97.9	97.9
≥ 700	15.[illegible]	69.2	79.[illegible]	86.7	92.9	94.2	96.[illegible]	97.[illegible]	97.[illegible]	98.2	98.3	98.4	98.5	98.6	98.6	[illegible]
≥ 600	15.[illegible]	69.[illegible]	79.[illegible]	86.7	93.[illegible]	94.4	96.2	97.2	97.3	98.5	98.6	98.7	98.8	98.9	98.9	[illegible]
≥ 500	15.7	69.3	79.1	86.8	93.1	94.6	96.5	97.5	97.6	98.9	99.1	99.2	99.3	99.4	99.4	[illegible]
≥ 400	15.[illegible]	[illegible].3	79.2	86.9	93.2	94.7	96.7	97.7	97.8	99.1	99.3	99.5	99.6	99.7	99.7	[illegible]
≥ 300	15.[illegible]	69.3	79.[illegible]	87.0	[illegible].3	[illegible].8	96.8	97.9	98.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9
≥ 200	15.7	69.3	79.2	87.[illegible]	93.3	[illegible].9	96.8	97.9	98.[illegible]	99.3	99.6	99.7	99.8	99.9	99.9	99.9
≥ 100	15.[illegible]	69.3	79.3	87.[illegible]	93.3	[illegible].8	96.8	97.9	98.[illegible]	99.3	99.6	99.7	99.8	100.0	100.0	100.[illegible]
≥ 0	15.7	69.3	79.3	87.[illegible]	93.3	[illegible].9	96.3	97.9	98.[illegible]	99.3	99.6	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	57-76	JUL

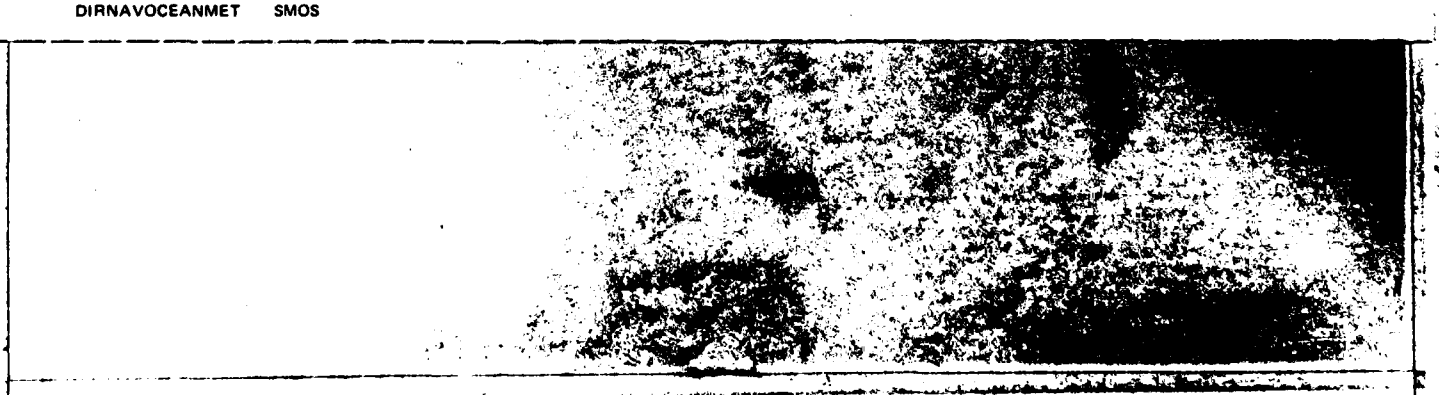
HOURS (LST) 01

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	•	71.7	37.6	43.1	47.7	49.5	51.4	52.2	53.2	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	•	34.4	41.7	47.7	52.7	55.5	58.3	60.6	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	•	34.4	41.7	47.7	52.7	55.5	58.3	[illegible]	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	•	34.4	41.7	47.7	52.7	55.5	58.3	[illegible]	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	•	34.4	41.7	47.7	52.7	55.5	58.3	[illegible]	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	•	37.2	44.4	51.4	57.3	59.2	61.9	64.2	64.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	•	40.8	50.9	56.3	66.5	68.4	72.0	74.3	74.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	•	40.8	50.9	56.3	66.5	68.4	72.0	74.3	74.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000	•	41.7	53.2	60.6	69.3	71.1	74.8	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	•	42.2	54.1	61.5	70.2	72.0	75.7	78.0	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	•	42.7	54.1	61.5	70.2	72.0	75.7	78.0	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	•	43.1	55.1	62.3	72.0	74.3	78.4	81.2	81.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	•	43.6	55.9	63.6	72.9	74.8	78.9	81.7	81.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	•	45.4	58.3	67.0	76.8	79.4	83.0	85.8	85.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	•	45.8	58.7	67.4	77.5	79.8	84.4	87.2	87.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	•	46.8	61.5	71.2	80.1	82.6	87.2	89.9	89.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	•	47.3	61.9	71.6	81.2	83.5	88.1	90.8	90.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	•	47.7	62.8	72.9	84.4	86.7	91.3	94.1	94.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	•	47.7	63.2	73.4	84.9	86.7	91.3	94.1	94.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	•	48.2	63.3	73.4	84.9	87.2	91.7	94.5	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	•	48.2	63.9	73.9	85.3	87.6	92.2	95.0	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	•	48.6	65.1	75.2	86.7	89.5	94.0	96.8	96.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	•	48.6	65.1	75.2	86.7	89.5	94.0	96.8	96.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	•	48.6	65.1	75.2	86.7	89.5	94.0	96.8	96.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	•	49.1	65.6	75.7	87.2	89.9	94.5	97.3	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	•	49.1	65.6	75.7	88.1	90.8	95.9	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

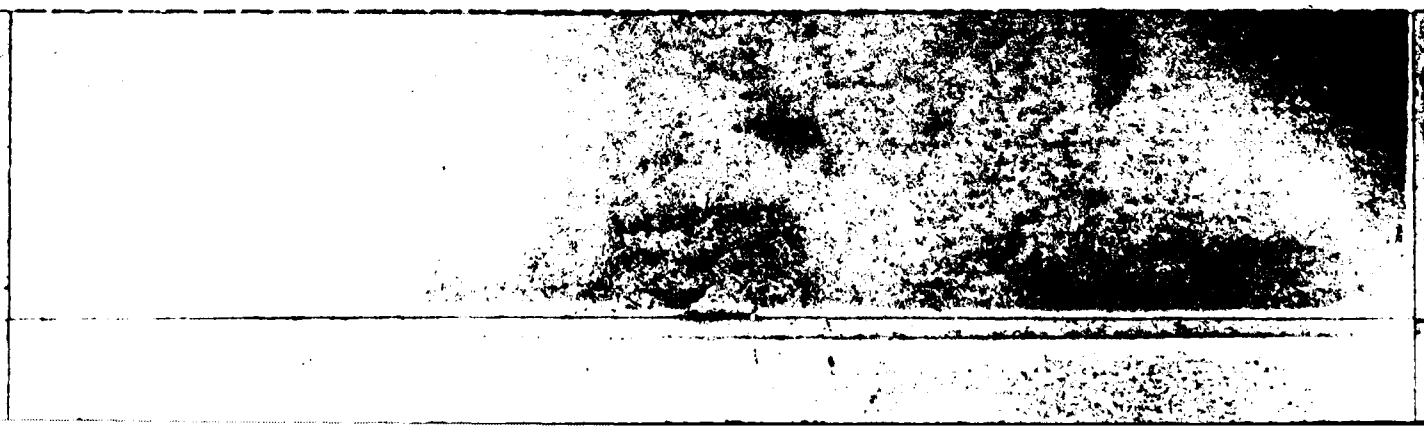
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 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

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 69-78 YEARS | JUL 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	≥ 5/16	≥ ¼	0
NO CEILING			37.6	39.7	46.3	49.7	52.1	53.2	53.7	53.6	53.9	53.9	53.9	53.9	
≥ 20000		73.7	41.5	44.3	52.1	55.5	57.5	58.5	58.5	58.9	59.6	59.6	59.9	59.9	
≥ 18000		54.	42.2	44.7	52.5	55.3	57.8	58.9	58.9	59.2	59.	59.9	60.3	60.3	
≥ 16000		74.	42.2	44.7	52.5	55.3	57.8	58.9	58.9	59.2	59.9	59.9	60.3	60.3	
≥ 14000		34.	42.8	45.4	53.2	56.	58.5	59.6	59.6	59.9	60.6	60.6	61.0	61.0	61.0
≥ 12000		36.2	43.0	47.5	55.3	58.2	60.6	61.7	61.7	62.1	62.8	62.8	63.1	63.1	63.1
≥ 10000		39.4	48.3	53.5	61.4	64.8	67.4	68.3	68.8	69.2	69.9	69.9	70.2	70.2	70.2
≥ 9000	10.3	39.7	48.7	53.2	62.1	65.6	68.1	69.5	69.5	69.9	70.6	70.6	70.9	70.9	70.9
≥ 8000		42.9	51.6	57.8	67.4	71.3	73.8	75.2	75.2	75.5	76.2	76.2	76.6	76.6	76.6
≥ 7000	14.	43.3	54.3	58.9	68.8	72.7	75.2	76.6	76.6	77.0	77.7	77.7	78.0	78.0	78.0
≥ 6000	11.	44.	55.	59.9	69.5	73.6	76.2	77.7	77.7	78.0	78.7	78.7	79.1	79.1	79.1
≥ 5000	11.	45.7	57.1	62.1	71.6	75.9	78.4	79.8	79.8	80.1	80.9	80.9	81.2	81.2	81.2
≥ 4500	11.4	45.7	57.1	62.4	72.	76.2	78.7	80.1	80.1	80.5	81.2	81.2	81.6	81.6	81.6
≥ 4000	11.4	47.	59.6	65.6	75.5	79.8	82.3	83.7	83.7	84.	84.8	84.8	85.1	85.1	85.1
≥ 3500	11.4	48.2	60.3	66.3	76.2	80.5	83.0	84.4	84.4	84.8	85.5	85.5	85.8	85.8	85.8
≥ 3000	11.4	49.7	61.7	67.7	77.7	81.9	84.8	86.2	86.2	86.5	87.2	87.2	87.6	87.6	87.6
≥ 2500	11.4	49.7	61.7	69.1	78.0	82.3	85.1	86.5	86.6	86.9	87.6	87.6	87.9	87.9	87.9
≥ 2000	11.7	50.0	62.4	69.8	79.8	84.4	87.2	88.7	88.7	89.	89.7	89.7	90.1	90.1	90.1
≥ 1800	11.	50.0	62.4	69.9	79.8	84.4	87.2	88.7	88.7	89.0	89.7	89.7	90.1	90.1	90.1
≥ 1500	11.	50.7	63.1	69.9	81.6	86.2	89.4	90.6	90.8	91.1	92.2	92.2	92.6	92.6	92.6
≥ 1200	11.7	51.1	63.5	71.2	81.9	86.5	90.1	91.5	91.5	91.8	92.9	92.9	93.3	93.3	93.3
≥ 1000	11.7	51.8	64.5	71.3	83.	88.7	92.2	94.0	94.0	94.3	95.4	95.4	95.7	95.7	95.7
≥ 900	11.	52.1	64.9	71.6	83.3	89.	92.6	94.3	94.3	94.7	95.7	95.7	96.1	96.1	96.1
≥ 800	11.	52.1	64.9	71.6	83.7	89.4	92.9	94.7	94.7	95.	96.1	96.1	96.5	96.5	96.5
≥ 700	11.	52.1	64.9	71.6	83.7	89.4	92.9	94.7	94.7	95.4	96.5	96.5	96.8	96.8	96.8
≥ 600	11.7	52.5	65.3	72.0	84.0	89.7	93.3	95.0	95.0	95.7	96.8	96.8	97.2	97.2	97.2
≥ 500	11.7	52.5	65.3	72.3	84.4	90.8	95.0	96.8	96.8	97.5	98.6	98.6	98.9	98.9	98.9
≥ 400	11.	52.5	65.3	72.3	84.4	90.6	95.0	96.8	97.2	97.9	98.9	98.9	99.3	99.3	99.3
≥ 300	11.7	52.5	65.3	72.3	84.4	90.8	95.0	96.8	97.2	97.9	98.9	98.9	99.7	99.7	99.7
≥ 200	11.7	52.5	65.3	72.3	84.4	90.8	95.0	96.8	97.2	97.9	98.9	98.9	100.0	100.0	100.0
≥ 100	11.7	52.5	65.3	72.3	84.4	90.8	95.0	96.8	97.2	97.9	98.9	98.9	100.0	100.0	100.0
0	11.7	52.5	65.3	72.3	84.4	90.8	95.0	96.8	97.2	97.9	98.9	98.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
20000																
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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

JUL

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	11.	47.2	47.2	46.2	49.5	0.2	50.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.
≥ 20000	11.2	44.6	5 .1	43.7	47.5	48.3	49.1	49.3	49.7	5 .3	49.3	49.3	49.3	49.3	49.3	49.
≥ 18000	11.2	45.3	51.2	54.4	58.1	59.	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.
≥ 16000	11.2	45.3	51.2	54.4	58.1	59.	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.
≥ 14000	11.4	45.6	51.5	54.7	58.6	59.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000	11.4	47.7	53.7	56.8	61.1	61.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	11.1	51.0	57.6	63.5	69.1	69.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	11.1	51.9	57.6	63.5	69.1	69.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	11.1	55.1	61.5	67.4	73.0	73.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	11.	58.4	64.8	70.7	76.3	77.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	11.	58.7	64.2	70.1	74.7	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	11.	58.3	64.6	7 .9	76.5	77.2	78.3	78.3	78.3	7 .	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	11.	58.6	64.9	71.2	76.8	77.5	78.6	78.6	78.6	78.6	79.	79.0	79.0	79.0	79.0	79.
≥ 4000	11.	60.7	66.9	74.4	8 .4	81.1	82.2	82.2	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.
≥ 3500	11.	61.8	70.2	75.8	82.0	83.0	85.3	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	11.2	64.	74.0	79.7	87.0	88.4	89.8	89.8	89.8	89.8	9 .2	90.2	90.2	90.2	90.2	90.2
≥ 2500	11.	65.6	74.7	80.4	88.1	89.5	91.2	91.2	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	11.3	67.	76.1	1.8	89.9	91.2	92.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	11.	67.4	76.5	82.1	90.2	91.6	93.7	93.7	93.7	93.7	94.0	94.0	94.	94.0	94.0	94.
≥ 1500	11.	68.8	77.9	83.5	91.6	93.0	95.4	95.4	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	11.	68.8	77.9	84.2	92.2	94.	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	11.	69.1	78.	84.6	92.	94.7	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	11.	69.1	78.	84.6	93.	94.7	97.9	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	11.	69.1	78.3	84.9	93.7	95.4	98.6	98.6	98.6	98.6	99.	99.0	99.0	99.0	99.0	99.
≥ 700	11.	69.1	78.3	84.9	93.7	95.4	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.
≥ 600	11.	69.1	78.3	84.9	93.7	95.4	98.6	99.0	99.0	99.	99.3	99.3	99.3	99.3	99.	99.
≥ 500	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.
≥ 400	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.
≥ 200	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.
≥ 100	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.
≥ 0	11.	69.1	78.3	84.9	93.7	96.1	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH J I

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																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 4500																
≥ 4000																
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≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 67-73 MONTH JAN

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	17.4	37.3	41.1	44.2	46.8	47.0	47.6	47.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	17.3	42.0	45.1	51.5	55.0	55.8	55.8	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	17.3	42.0	45.1	51.5	55.0	55.8	55.8	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	17.3	42.0	45.1	51.5	55.0	55.8	55.8	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	17.3	42.0	45.1	51.5	55.0	55.8	55.8	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	17.3	42.0	45.1	52.4	56.2	56.7	56.7	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	17.3	50.2	54.3	61.0	66.2	67.1	67.1	67.1	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	17.3	50.7	54.7	61.5	66.7	67.5	67.5	67.5	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000	17.3	56.4	60.3	67.5	73.2	74.0	74.0	74.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	17.3	56.8	60.8	68.0	73.6	74.5	74.5	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	17.3	56.8	60.8	68.4	74.1	74.9	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	17.3	57.6	61.6	69.2	75.0	76.6	76.6	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	17.3	57.6	61.6	69.2	75.0	76.6	76.6	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000	17.3	57.6	61.6	69.2	75.0	76.6	76.6	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	17.3	58.1	62.3	70.3	76.1	77.8	77.8	77.8	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3000	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1800	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1500	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1200	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1000	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 900	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 800	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 700	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 600	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 500	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 400	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 300	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 200	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 100	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 0	17.3	58.2	62.4	70.5	76.3	78.0	78.0	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH J

HOURS (L S T) 7

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	•															
≥ 20000	•															
≥ 18000	•															
≥ 16000	•															
≥ 14000	•															
≥ 12000	•															
≥ 10000	•															
≥ 9000	•															
≥ 8000	•															
≥ 7000	1.															
≥ 6000	1.															
≥ 5000	1.															
≥ 4500	1.															
≥ 4000	1.															
≥ 3500	1.															
≥ 3000	1.															
≥ 2500	1.															
≥ 2000	1.															
≥ 1800	1.															
≥ 1500	1.															
≥ 1200	1.															
≥ 1000	1.															
≥ 900	1.															
≥ 800	1.															
≥ 700	1.															
≥ 600	1.															
≥ 500	1.															
≥ 400	1.															
≥ 300	1.															
≥ 200	1.															
≥ 100	1.															
0	1.															

TOTAL NUMBER OF OBSERVATIONS _____

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)

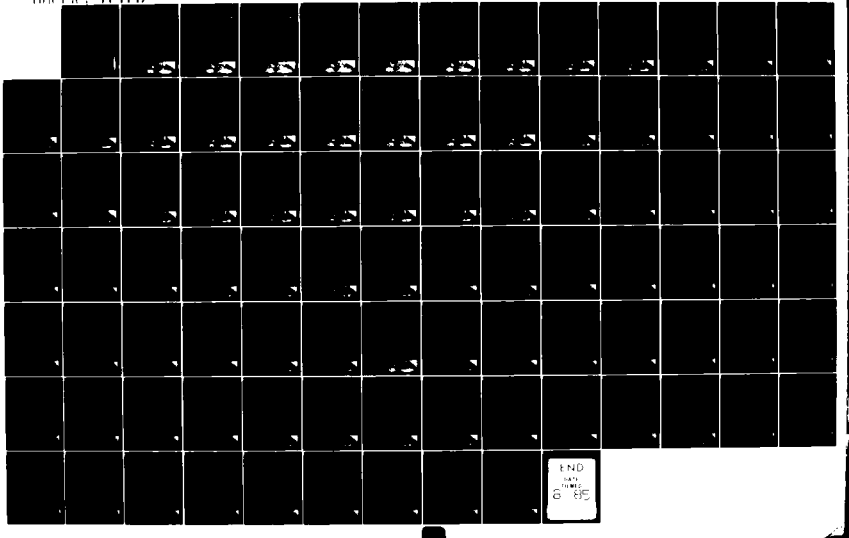
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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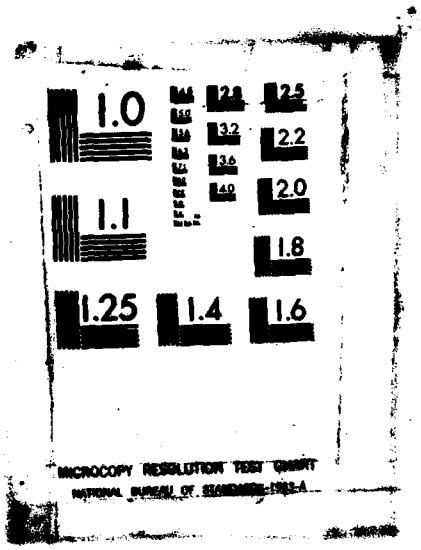
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD-A150 445 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
QUANTICO VIRGINIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
2.2
2.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13173	QUANTICO, VA	61-75	AUG
STATION	STATION NAME	YEARS	MONTH

01
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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	27.7	37.5	48.9	53.9	56.2	57.6	58.5	58.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	1.4	30.0	40.8	53.9	58.9	61.8	64.8	65.4	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
AV 18000	1.4	31.0	41.8	53.9	58.9	61.8	64.8	65.4	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
16000	1.4	31.0	41.8	53.9	58.9	61.8	64.8	65.4	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
AV 14000	1.4	30.0	40.8	53.9	58.9	61.8	64.8	65.4	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
12000	1.4	31.5	42.4	55.8	60.8	63.8	66.4	67.3	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2
AV 10000	1.4	35.2	47.0	62.2	67.7	70.8	74.2	75.1	75.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
9000	1.4	35.2	47.0	62.2	67.7	70.8	74.2	75.1	75.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
AV 8000	1.4	35.5	48.4	64.1	69.6	72.4	76.5	77.4	77.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3
7000	1.4	36.4	49.8	65.0	70.5	73.3	77.4	78.8	78.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2
AV 6000	1.4	35.5	49.4	65.0	70.5	73.3	77.4	78.8	78.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2
5000	1.4	37.4	52.1	68.2	74.2	77.0	81.1	82.5	82.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AV 4500	1.4	38.7	53.5	69.2	75.1	77.9	82.0	83.4	83.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8
4000	1.4	39.6	53.9	70.5	77.0	79.7	83.9	85.3	85.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
AV 3500	1.4	41.5	55.8	73.3	79.7	82.5	86.6	88.0	88.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
3000	1.4	41.5	56.7	75.1	82.5	85.3	89.4	90.8	90.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
AV 2500	1.4	42.9	57.1	76.5	83.9	87.1	91.7	93.1	93.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2000	1.4	42.9	57.5	77.0	84.3	88.0	92.6	94.0	94.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9
AV 1800	1.4	42.9	57.5	77.0	84.3	88.0	92.6	94.0	94.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1500	1.4	43.3	59.8	77.9	85.3	88.9	94.0	95.4	95.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
AV 1200	1.4	43.3	59.5	77.9	85.3	88.9	94.0	95.4	95.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1000	1.4	43.3	60.4	78.8	86.2	89.9	95.4	96.8	96.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
AV 900	1.4	43.3	60.4	78.8	86.2	89.9	95.4	96.8	96.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	1.4	43.3	60.4	78.8	86.2	89.9	95.4	96.8	96.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
AV 700	1.4	43.3	60.4	78.8	86.2	89.9	95.4	96.8	96.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
AV 500	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
400	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0
AV 300	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0
200	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0
AV 100	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0
0	1.4	43.3	60.4	78.8	86.6	90.3	95.9	97.2	97.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 217

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13733 (STATION) QUANTICO, VA (STATION NAME) 69-78 (YEARS) AUG (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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	26.3	37.3	49.4	57.1	59.9	61.3	61.9	61.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	1.2	26.7	41.3	53.9	64.3	67.2	69.2	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 18000	1.2	29.2	41.7	54.3	64.4	67.6	69.6	70.0	70.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 16000	1.2	29.2	41.7	54.3	64.4	67.6	69.6	70.0	70.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 14000	1.2	29.2	41.7	54.3	64.4	67.6	69.6	70.0	70.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 12000	1.2	29.4	42.1	55.1	65.2	68.4	70.4	71.3	71.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	1.2	31.4	45.3	59.9	70.9	74.1	76.5	77.3	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	1.2	31.4	45.3	59.9	70.9	74.1	76.9	77.3	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 8000	1.2	32.0	46.2	61.9	72.9	76.1	79.8	80.2	80.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	1.2	32.4	46.6	62.8	73.7	76.9	80.6	81.0	81.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 6000	1.2	32.4	46.8	62.8	73.7	76.9	80.6	81.0	81.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	1.2	33.4	47.8	64.4	75.3	78.5	82.6	83.0	83.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500	1.2	33.8	48.2	64.8	75.7	79.0	83.0	83.4	83.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	1.2	34.4	49.6	66.4	77.7	81.3	85.8	86.2	86.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	1.2	34.8	49.8	66.8	78.5	81.8	86.2	86.6	86.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000	1.2	36.0	51.4	69.2	81.8	85.0	89.1	90.3	90.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	1.2	36.4	51.8	70.0	82.4	85.8	89.9	91.1	91.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	1.2	36.4	52.2	70.5	83.0	86.2	90.3	91.5	91.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	1.2	36.4	52.2	70.5	83.0	86.2	90.3	91.5	91.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	1.2	36.8	52.6	71.3	83.8	87.0	91.1	92.3	92.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	1.2	36.8	52.6	71.3	84.6	87.9	91.9	93.1	93.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	1.2	36.8	52.6	71.7	85.8	89.1	93.1	94.3	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	1.2	36.8	52.6	71.7	85.8	89.1	93.1	94.3	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	1.2	37.3	53.0	72.1	86.6	89.9	93.9	95.1	95.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	1.2	37.3	53.4	72.5	87.0	90.3	94.7	96.0	96.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	1.2	37.3	53.4	72.5	87.0	90.3	94.7	96.0	96.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.2	37.3	53.4	72.5	87.0	90.7	95.6	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 24*

DIRNAVOCEANMET SMOS



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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773 (STATION) | QUANTICO, VA (STATION NAME) | 68-78 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

97 (HOURS (LST))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.2	28.4	36.6	42.9	47.7	51.6	54.7	55.4	55.9	55.8	55.8	55.8	56.1	56.1	56.1	56.1
≥ 20000	6.3	32.1	40.8	47.7	53.3	57.5	60.6	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0
≥ 18000	6.3	32.1	40.8	47.7	53.3	57.5	60.6	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0
≥ 14000	6.3	32.1	40.8	47.7	53.3	57.5	60.6	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0
≥ 14000	6.3	32.1	40.8	47.7	53.3	57.5	60.6	61.3	61.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0
≥ 12000	6.3	35.2	44.3	51.6	57.9	62.3	65.2	65.9	65.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 10000	6.3	38.7	48.8	56.8	64.5	70.4	74.2	74.9	74.9	75.3	75.3	75.3	75.6	75.6	75.6	75.6
≥ 9000	6.3	39.0	49.1	57.1	64.8	70.7	74.6	75.3	75.3	75.6	75.6	75.6	76.0	76.0	76.0	76.0
≥ 8000	6.6	41.5	51.9	60.6	68.3	74.6	79.1	79.8	79.8	80.1	80.1	80.1	80.5	80.5	80.5	80.5
≥ 7000	6.6	41.5	52.3	61.0	68.6	74.9	79.4	80.1	80.1	80.5	80.5	80.5	80.8	80.8	80.8	80.8
≥ 6000	6.6	42.2	52.6	61.3	69.2	75.3	79.8	80.5	80.5	80.8	80.8	80.8	81.2	81.2	81.2	81.2
≥ 5000	6.6	43.2	53.7	62.4	70.0	76.3	80.8	81.5	81.5	81.9	81.9	81.9	82.2	82.2	82.2	82.2
≥ 4500	6.6	43.2	53.7	62.4	70.4	76.7	81.2	81.9	81.9	82.2	82.2	82.2	82.6	82.6	82.6	82.6
≥ 4000	6.6	44.3	54.7	63.4	72.5	78.8	83.3	84.0	84.0	84.3	84.3	84.3	84.7	84.7	84.7	84.7
≥ 3500	6.6	44.6	55.1	63.8	72.8	79.1	83.6	84.3	84.3	84.7	84.7	84.7	85.0	85.0	85.0	85.0
≥ 3000	6.6	45.3	56.1	65.2	74.2	80.5	85.0	86.1	86.1	86.4	86.4	86.4	86.8	86.8	86.8	86.8
≥ 2500	6.6	45.3	56.1	65.2	74.2	80.5	85.0	86.1	86.1	86.4	86.4	86.4	86.8	86.8	86.8	86.8
≥ 2000	6.6	45.3	56.1	65.2	74.2	80.5	85.0	86.4	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1
≥ 1800	6.6	45.3	56.1	65.2	74.2	80.5	85.0	86.4	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1
≥ 1500	6.6	46.0	57.1	67.3	77.0	83.3	87.8	89.2	89.2	89.6	89.6	89.6	89.9	89.9	89.9	89.9
≥ 1200	6.6	46.3	57.5	67.9	77.7	84.3	89.2	90.6	90.6	90.9	90.9	90.9	91.3	91.3	91.3	91.3
≥ 1000	6.6	47.4	58.9	69.7	80.5	87.9	92.3	93.7	93.7	94.4	94.4	94.4	94.8	94.8	94.8	94.8
≥ 900	6.6	47.4	58.9	69.7	80.5	87.9	92.7	94.1	94.1	94.8	94.8	94.8	95.1	95.1	95.1	95.1
≥ 800	6.6	47.4	58.9	69.7	80.5	87.9	92.7	94.4	94.4	95.1	95.1	95.1	95.5	95.5	95.5	95.5
≥ 700	6.6	47.7	59.2	70.0	80.8	87.9	93.0	94.8	94.8	95.5	95.5	95.5	96.2	96.2	96.2	96.2
≥ 600	6.6	47.7	59.2	70.0	81.2	88.2	93.4	95.5	95.5	96.2	96.2	96.2	96.9	96.9	97.2	97.2
≥ 500	6.6	48.1	59.6	70.7	82.2	89.6	94.8	96.9	96.9	97.9	97.9	98.3	98.3	98.6	98.6	98.6
≥ 400	6.6	48.4	59.9	71.1	82.9	90.2	95.5	97.9	97.9	98.9	98.9	99.3	99.3	99.7	99.7	99.7
≥ 300	6.6	48.8	60.3	71.4	83.3	90.6	95.8	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 200	6.6	48.8	60.3	71.4	83.3	90.6	95.8	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 100	6.6	48.8	60.3	71.4	83.3	90.6	95.8	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 0	6.6	48.8	60.3	71.4	83.3	90.6	95.8	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 287

DIRNAVOCEANMET 3NOS

SKY COVER

1773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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		
[illegible]	ALL	20.0			13.3						17.9	92.9	6.4	2110
FEB		21.3			19.7						17.9	91.1	6.3	1910
MAR		19.6			19.0						20.7	91.7	6.6	2097
APR		22.6			22.2						22.1	33.1	6.0	2017
MAY		16.9			22.9						24.6	35.7	6.5	2057
JUN		10.4			24.3						28.2	37.1	7.0	1981
JUL		13.7			25.1						27.2	35.0	6.7	2018
AUG		21.5			26.8						25.8	26.9	5.9	2048
SEP		17.5			27.6						23.1	31.8	6.1	1923
OCT		27.5			19.8						18.9	33.8	5.7	1910
NOV		22.2			23.2						21.9	32.7	5.9	1794
DEC		16.9			22.1						19.1	93.9	6.7	1869
TOTALS		19.0			22.4						22.3	36.3	6.3	23702

NAVWEASERVCOM

SKY COVER

[illegible]73 STATION | QUANTICO, VA STATION NAME | 69-77 PERIOD | DEC 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	24.4			17.1						13.8	44.7	6.2	217
	04	24.0			15.7						16.1	44.2	6.3	217
	07	11.0			22.4						25.7	40.9	7.1	237
	10	10.8			22.4						22.4	44.4	7.1	259
	13	8.1			25.2						20.9	45.7	7.2	256
	16	12.7			19.5						22.4	46.1	7.2	241
	19	21.5			18.4						15.8	41.3	6.4	223
	22	23.5			19.8						12.9	43.8	6.1	217
TOTALS		16.9			20.1						19.1	43.9	6.7	1869

NAVWEASERVCOM

SKY COVER

1773 (STATION) QUANTICO, VA (STATION NAME) 69-77 (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	37.6			15.4						13.0	34.6	5.1	208
	04	33.7			21.6						10.1	34.6	5.0	208
	07	15.2			29.9						26.8	28.1	6.1	231
	10	14.2			25.9						23.1	36.8	6.5	247
	13	10.0			23.7						32.9	33.3	7.0	249
	16	11.2			25.9						31.0	31.9	6.8	232
	19	27.2			24.2						19.9	32.7	5.8	211
	22	33.2			19.2						18.3	29.3	5.2	208
TOTALS		22.2			23.2						21.9	32.7	5.9	1794

NAVWEASERVCOM

SKY COVER

1773 (STATION) QUANTICO, VA (STATION NAME) 69-77 (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	30.2			18.4						10.6	31.8	4.7	217
	04	40.6			14.6						10.5	34.3	4.8	239
	07	21.4			17.1						24.5	37.0	6.4	257
	10	20.5			21.6						21.2	36.7	6.2	259
	13	16.9			22.3						27.3	33.5	6.3	260
	16	19.0			24.9						22.8	33.3	6.1	237
	19	25.4			25.0						17.4	32.1	5.5	224
	22	37.3			14.3						17.1	31.3	5.1	217
TOTALS		27.5			19.8						18.9	33.8	5.7	1913

NAVWEASERVCOM

SKY COVER

[illegible]73 (STATION) QUANTICO, VA (STATION NAME) 59-78 (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		
[illegible]	01	[illegible].1			22.9						18.6	30.5	5.4	210
	04	[illegible].0			24.3						16.2	30.5	5.2	210
	07	18.0			23.7						24.8	33.5	6.3	27[illegible]
	10	[illegible].5			26.9						25.4	31.2	6.2	279
	13	5.7			35.1						26.5	32.6	6.7	279
	16	9.7			32.9						24.9	32.5	6.5	237
	19	[illegible].3			27.3						24.5	35.9	6.6	22[illegible]
	22	21.0			27.6						23.9	27.6	5.7	21
TOTALS		[illegible].5			27.6						23.1	31.8	6.1	1923

NAVWEASERVCOM

SKY COVER

1 773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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		
[illegible]	01	31.[illegible]			18.9						22.6	26.7	[illegible].3	217
	04	36.8			21.5						19.8	21.9	4.6	247
	07	17.8			26.5						28.2	27.5	6.1	237
	10	21.[illegible]			25.7						25.3	27.1	5.8	292
	13	[illegible].[illegible]			32.[illegible]						34.5	25.3	6.6	293
	16	9.1			37.0						28.0	26.[illegible]	6.2	254
	19	16.[illegible]			27.8						27.8	28.3	6.2	237
	22	27.1			24.4						20.4	28.1	5.4	221
TOTALS		21.0			26.8						25.8	26.4	5.8	2[illegible]48

NAVWEASERVCOM

SKY COVER

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (PERIOD) JUL (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	22.			12.7						21.1	36.2	6.1	219
	04	20.4			23.7						23.3	32.7	6.1	245
	07	10.[illegible]			24.8						29.8	34.8	6.9	242
	10	11.5			27.3						27.6	33.6	6.7	286
	13	7.1			32.6						31.2	34.0	7.2	2[illegible]
	16	4.8			32.5						33.7	28.9	6.9	229
	19	10.0			20.3						26.4	43.3	7.3	231
	22	10.9			12.8						24.9	36.5	6.3	222
TOTALS		12.7			25.1						27.2	35.0	6.7	2 18

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible], VA | 61-79 | MAY

STATION | STATION NAME | YEARS | MONTH

17

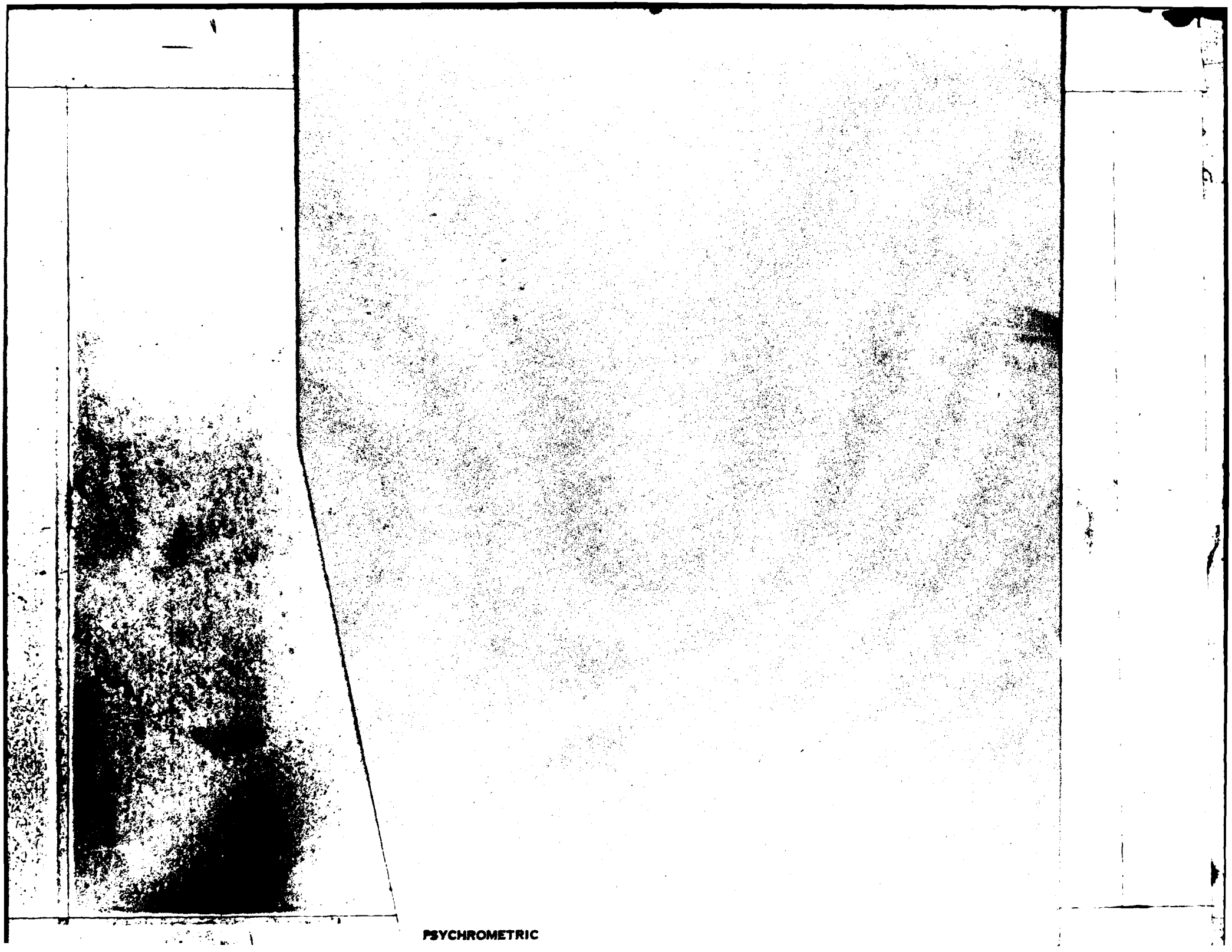
HOURS (L S T)

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]	38.6	39.6	41.6	43.2	43.[illegible]	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	22.[illegible]	42.6	43.[illegible]	46.0	46.[illegible]	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 18000	27.2	43.2	44.4	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	27.2	43.2	44.4	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 14000	27.2	43.2	44.4	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 12000	24.[illegible]	45.2	46.4	48.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000	36.4	49.6	51.6	53.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	[illegible].2	50.4	52.4	54.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 8000	[illegible].2	54.0	56.4	59.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	[illegible].2	55.6	58.4	61.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	37.2	56.4	59.2	62.[illegible]	64.[illegible]	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	[illegible].0	60.0	62.8	66.0	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	[illegible].0	61.2	64.[illegible]	67.2	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	31.2	64.4	67.2	71.4	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	31.[illegible]	65.2	68.0	71.2	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	31.[illegible]	66.4	69.2	72.8	75.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	[illegible].0	68.0	70.8	74.4	76.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000	32.4	69.2	72.0	75.6	78.6	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	32.4	69.2	72.[illegible]	75.6	79.6	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1500	32.4	70.4	73.2	77.6	82.0	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	32.4	70.8	73.6	78.0	82.4	83.2	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	32.4	70.8	73.6	78.0	83.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	32.4	70.8	73.6	78.0	84.0	86.0	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	32.4	71.2	74.0	78.4	84.4	86.4	87.6	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 700	32.4	71.6	74.4	78.8	84.8	86.8	88.0	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	32.4	72.0	74.8	79.2	85.6	87.6	89.2	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 500	32.4	72.[illegible]	74.8	79.2	86.0	88.4	90.0	91.6	91.6	92.0	92.4	92.4	92.4	92.4	92.4	92.4
≥ 400	32.4	72.4	75.2	79.6	86.4	89.2	91.2	92.8	92.8	93.6	95.6	95.6	95.6	96.0	96.[illegible]	96.[illegible]
≥ 300	32.4	72.4	75.2	79.6	86.4	89.2	91.2	93.2	93.2	94.8	96.8	96.8	96.8	97.2	97.2	97.4
≥ 200	32.4	72.4	75.2	79.6	86.4	89.2	91.2	93.2	93.6	95.2	97.2	97.6	97.6	98.0	98.[illegible]	99.2
≥ 100	32.4	72.4	75.2	79.6	86.4	89.2	91.2	93.2	93.6	95.2	97.2	97.6	98.0	98.4	98.4	99.6
0	32.4	72.4	75.2	79.6	86.4	89.2	91.2	93.2	93.6	95.2	97.2	97.6	98.0	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]290

DIRNAVOCEANMET SMOS



PSYCHROMETRIC

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.

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).

DAILY TEMPERATURES

13773 STATION | QUANTICO, VA STATION NAME | 76-76, 78, 82 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 105									.1				.0
≥ 100						.4	.4	.2	.2				.1
≥ 95					.2	4.8	7.9	4.6	1.0				1.6
≥ 90				.0	4.6	23.6	34.4	25.2	8.5	.4			8.4
≥ 85			.4	6.0	16.9	49.2	69.5	57.8	24.7	3.1	.1		19.3
≥ 80	.1	.1	3.3	14.0	34.4	72.9	90.6	84.0	47.5	10.9	1.7		37.3
≥ 75	.6	.9	6.0	24.3	55.1	87.4	98.5	96.9	71.0	26.1	5.4	.6	39.8
≥ 70	2.2	2.9	12.8	39.4	74.1	96.3	99.9	99.7	87.3	48.3	12.4	2.0	49.6
≥ 65	6.1	6.4	20.8	55.6	88.3	99.5	100.0	100.0	95.6	68.1	24.3	5.1	56.1
≥ 60	10.0	12.7	34.4	74.2	95.8	99.9			99.2	84.9	40.5	12.3	64.1
≥ 55	17.7	22.6	48.7	86.8	99.2	100.0			100.0	95.3	59.3	21.2	71.3
≥ 50	26.7	36.5	64.2	95.4	100.0					99.0	77.0	33.8	76.0
≥ 45	47.1	55.0	81.0	98.9						100.0	89.6	52.7	85.6
≥ 40	64.5	73.6	93.5	99.9							97.1	74.7	92.1
≥ 35	83.1	88.2	98.2	100.0							99.4	87.8	96.5
≥ 30	92.2	96.1	99.7								99.8	96.6	98.7
≥ 25	97.5	98.8	100.0								100.0	99.3	99.6
≥ 20	99.2	99.8										99.9	99.9
≥ 15	99.9	100.0										100.0	100.0
≥ 10	100.0												100.0
≥													
≥													
≥													
≥													
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MEAN	44.2	46.7	55.2	66.8	75.8	83.6	87.0	85.4	78.8	65.7	57.2	45.2	66.3
S.D.	1. 12	10.746	11.657	10.806	9.789	7.319	5.440	5.652	7.895	8.519	10.090	10.228	17.866
TOTAL OBS.	56	771	1014	978	978	981	1011	1010	979	1004	968	1004	11401

NAVWEASERVCOM

DAILY TEMPERATURES

13723 | QUANTICO, VA | 45-76, 78, 82 | | MINIMUM

STATION | STATION NAME | YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
NN 80							.2						.0
NN 75						1.1	4.9	2.3	.5	.1			.8
NN 70			.1	.1	1.4	20.8	43.7	33.4	11.5	.7			9.5
NN 65			.2	.5	11.3	47.7	75.6	72.1	31.4	4.3	.3		20.4
NN 60			.5	5.7	29.3	72.0	93.6	88.4	53.3	12.1	2.3	.1	30.1
NN 55		.1	1.6	14.6	51.0	89.6	99.3	97.0	73.6	23.2	5.8	.3	39.5
NN 50	.9	1.4	6.9	31.8	72.0	97.6	99.9	99.8	88.4	43.9	12.4	1.1	46.8
NN 45	2.9	2.9	14.6	48.2	88.2	99.8	100.0	100.0	96.7	64.5	22.0	4.1	54.1
NN 40	10.1	11.0	31.7	72.6	96.3	100.0			99.3	82.4	38.7	12.4	63.1
NN 35	22.2	23.9	50.4	86.6	99.1				100.0	92.8	55.7	27.6	71.9
NN 30	42.8	46.8	75.5	97.2	100.0					98.8	81.0	49.6	82.9
NN 25	64.2	70.8	90.5	99.9						99.9	95.3	71.2	91.1
NN 20	79.7	83.9	97.8	100.0						100.0	98.8	86.8	95.6
NN 15	90.0	91.7	99.2								99.9	94.9	98.0
NN 10	95.6	97.6	99.9								100.0	99.2	99.4
NN 5	98.3	99.4	100.0									99.9	99.8
NN 0	99.7	100.0										100.0	100.0
NN -5	100.0												100.0
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
NN													
MEAN	27.6	28.6	35.6	46.1	54.3	63.8	67.7	65.5	59.7	48.1	37.5	29.3	46.9
S.D.	9.663	9.176	8.676	8.771	8.023	6.980	4.963	5.392	7.991	9.160	9.631	8.794	16.794
TOTAL OBS.	956	902	990	954	956	980	984	984	959	983	968	982	11586

NAVWEASERVCOM

1325G3

DAILY TEMPERATURES

1[illegible]73 STATION | QUANTICO, VA STATION NAME | 45-76, 78, 87 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]						[illegible].1	5.1	2.7	.3				.9
≥ [illegible]					2.1	19.9	36.6	26.0	8.3	.8			7.9
≥ 75			.3	2.1	11.3	48.1	74.2	65.5	26.8	2.1	.1		19.5
≥ 70			1.3	6.3	30.0	73.1	96.7	90.5	60.7	7.6	.7		38.3
≥ 65	.1	.2	2.8	18.6	53.1	92.3	100.0	99.2	75.8	24.1	4.2	.1	59.7
≥ 60	1.0	1.3	8.3	33.4	76.7	98.8		100.0	90.8	46.2	10.2	1.0	67.8
≥ 55	3.4	4.2	18.0	52.6	91.4	100.0			97.8	69.8	22.0	3.2	55.6
≥ 50	8.4	9.9	31.1	75.5	98.4				99.8	87.9	40.2	10.3	63.9
≥ 45	17.8	20.4	50.0	92.2	100.0				100.0	96.2	59.1	21.7	71.8
≥ 40	33.4	42.6	72.7	98.7						99.4	82.[illegible]	40.4	81.1
≥ 35	57.8	65.2	89.8	99.9						100.0	94.3	65.9	89.6
≥ 30	75.9	82.3	97.2	100.0							98.3	83.4	94.9
≥ 25	89.0	92.6	99.4								99.8	94.0	97.9
≥ 20	95.3	98.2	100.0								100.0	98.6	99.4
≥ 15	98.4	99.7										99.9	99.8
≥ 10	99.8	100.0										100.0	100.0
≥ 5	100.0												100.0
≥													
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MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	902	990	958	956	985	989	989	959	983	968	982	11536

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1946-1976 1983-1983	JANUARY
STATION	STATION NAME	YEARS	MONTH

	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	36.7	2.6	44.5	6.9	71	21.7	1966	28.8	-1.8	12	-11.1	1968
2	35.3	1.8	43.7	6.5	65	18.3	1955	26.9	-2.8	10	-12.2	1968
3	37.8	3.2	46.1	7.8	65	18.3	1951	29.5	-1.4	13	-10.6	1950
4	37.5	3.1	45.4	7.4	72	22.2	1950	29.4	-1.4	18	-7.8	1969*
5	35.3	1.8	43.4	6.3	72	22.2	1950	27.1	-2.7	12	-11.1	1959
6	36.0	2.2	44.2	6.8	73	22.8	1950	27.9	-2.3	6	-14.4	1959
7	36.2	2.3	44.7	7.1	68	20.0	1950	28.2	-2.1	10	-12.2	1968
8	34.0	1.1	41.0	5.0	62	16.7	1965	26.9	-2.8	2	-16.7	1968
9	35.5	1.9	43.1	6.2	65	18.3	1965*	27.9	-2.3	3	-16.1	1970
10	35.6	2.0	44.7	7.1	72	22.2	1950	26.6	-3.0	3	-16.1	1970
11	35.4	1.9	43.9	6.6	72	22.2	1975	27.4	-2.6	8	-13.3	1970*
12	33.5	.8	41.4	5.2	67	13.9	1975*	25.7	-3.5	8	-13.3	1968
13	34.3	1.3	42.3	5.7	64	17.8	1972	26.2	-3.2	11	-11.7	1962
14	35.8	2.1	44.5	6.9	66	18.9	1950	27.2	-2.7	14	-10.0	1964
15	35.8	2.1	44.5	6.9	75	23.9	1952	27.1	-2.7	3	-16.1	1964
16	34.4	1.3	43.4	6.3	72	22.2	1963	25.5	-3.6	3	-16.1	1972
17	33.5	.8	42.5	5.8	61	16.1	1949	24.4	-4.2	6	-14.4	1972*
18	35.0	1.7	42.1	5.6	66	18.9	1951*	26.9	-2.8	-1	-18.3	1957
19	34.7	1.5	43.0	6.1	67	19.4	1951	26.0	-3.3	4	-15.6	1957
20	35.8	2.1	43.9	6.6	68	20.0	1951	27.3	-2.6	11	-11.7	1948
21	35.3	1.8	44.2	6.8	69	20.6	1950	26.4	-3.1	9	-12.8	1970
22	35.8	2.1	45.3	7.4	65	18.3	1967	26.3	-3.2	2	-16.7	1970
23	36.9	2.7	46.8	8.1	78	25.6	1967	27.3	-2.6	5	-15.0	1970
24	35.9	2.2	44.7	7.1	74	23.3	1950	27.2	-2.7	7	-13.9	1963
25	38.1	3.4	47.1	8.4	75	23.9	1950	29.3	-1.5	3	-16.1	1961
26	39.2	4.0	48.5	9.2	80	26.7	1950	29.9	-1.3	0	-17.8	1948
27	37.9	3.3	47.2	8.4	74	23.3	1974	28.5	-1.9	6	-14.4	1961
28	34.9	1.6	44.0	6.7	74	23.3	1949	25.7	-3.5	-5	-20.6	1961
29	35.3	1.8	44.8	6.9	75	23.9	1975	26.0	-3.3	-1	-18.3	1961
30	36.6	2.6	45.0	7.2	72	22.2	1967	28.2	-2.1	10	-12.2	1961
31	33.2	.7	41.9	5.5	67	19.4	1974	24.9	-3.9	4	-15.6	1965*
Monthly	35.7	2.1	44.2	6.8	80	26.7	1950	27.2	-2.7	-5	-20.6	1961

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

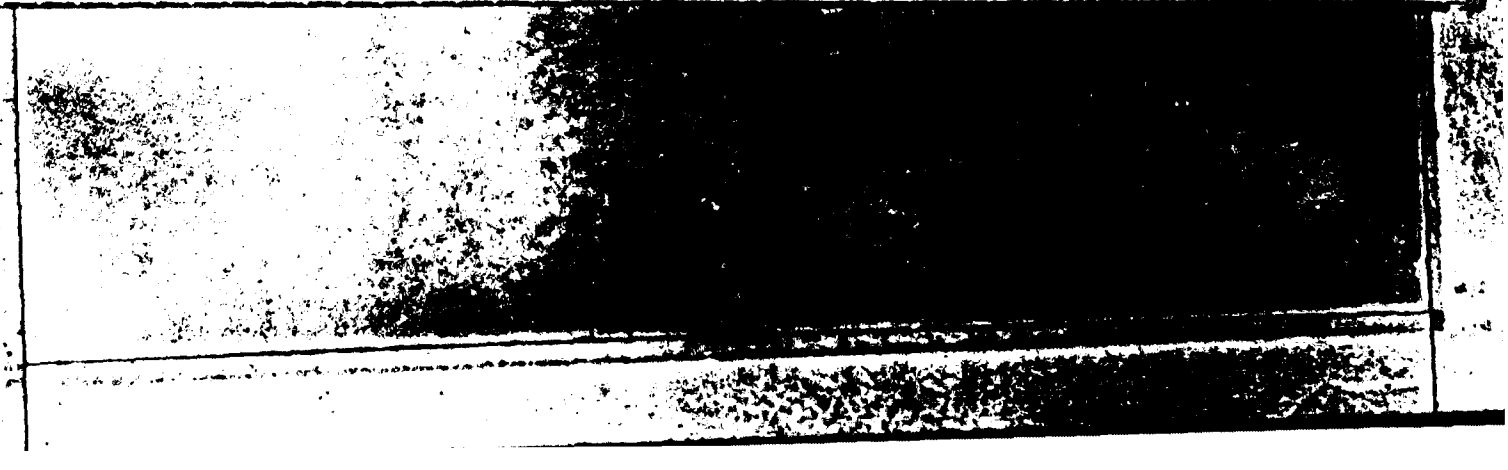
DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1965-1976 1982-1983	FEBRUARY
STATION	STATION NAME	YEARS	MONTH

	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	38.1	1.2	42.8	6.0	60	15.6	1967*	25.9	-3.4	0	-17.8	1965
2	34.5	1.4	42.4	5.8	69	20.6	1967	26.6	-2.9	4	-15.6	1971
3	31.9	-.1	40.6	4.8	57	13.9	1970	23.3	-4.8	1	-17.2	1965
4	33.2	.7	42.1	5.6	65	18.3	1957	24.5	-4.2	0	-17.8	1965
5	34.8	1.6	43.2	6.2	63	17.2	1962	26.3	-3.2	8	-13.3	1965*
6	36.9	2.7	46.0	7.8	60	15.6	1960	27.8	-2.3	6	-14.4	1966
7	36.8	2.7	45.1	7.3	59	15.0	1968	28.6	-1.9	16	-8.9	1962*
8	35.1	1.7	43.6	6.4	65	18.3	1968	26.6	-3.0	11	-11.7	1967
9	35.4	1.9	43.5	6.4	68	20.0	1949	27.0	-2.8	10	-12.2	1967
10	36.4	2.7	45.6	7.6	70	21.1	1959	27.8	-2.5	6	-14.4	1958
11	37.2	2.9	46.5	8.1	65	18.3	1960*	27.7	-2.4	8	-13.3	1958
12	35.7	2.1	45.1	7.3	68	20.0	1951	26.2	-3.2	11	-11.7	1955
13	37.3	2.9	46.4	8.0	70	21.1	1951*	28.2	-2.1	9	-12.8	1967*
14	38.5	3.6	48.4	9.1	70	21.1	1951	28.5	-1.9	8	-13.3	1955
15	38.8	3.8	48.5	9.2	78	25.6	1949	29.4	-1.4	15	-9.4	1963
16	38.4	3.6	47.0	8.3	76	24.4	1954	30.2	-1.0	10	-12.2	1963
17	38.6	3.7	46.9	8.3	77	25.0	1976	30.3	-.9	5	-15.0	1958
18	38.6	3.7	48.4	9.2	75	23.9	1976	28.2	-2.1	10	-12.2	1958
19	39.3	4.1	47.9	8.8	73	22.8	1961	30.9	-.9	13	-10.6	1968
20	37.6	3.1	46.5	8.1	72	22.2	1971	28.7	-1.8	14	-10.0	1959
21	37.2	2.9	46.5	8.1	74	23.3	1953	27.9	-2.3	11	-11.7	1968
22	38.6	3.7	48.9	9.1	72	22.2	1974	29.3	-1.5	7	-13.9	1968
23	38.0	3.3	47.9	8.8	62	16.7	1959	28.6	-1.9	6	-14.4	1963
24	39.3	4.1	49.5	9.7	65	18.3	1961	29.0	-1.7	6	-14.4	1947
25	41.2	5.1	51.2	10.7	69	20.6	1976*	30.7	-.7	13	-10.6	1947
26	41.2	5.1	50.4	10.2	75	23.9	1948	31.6	-.2	13	-10.6	1970
27	42.0	5.6	52.8	11.6	73	22.8	1976*	31.2	-.4	12	-11.1	1963
28	43.1	6.2	53.6	12.0	82	27.8	1948	32.6	.3	14	-10.0	1950*
29	43.1	6.2	52.4	11.3	79	26.1	1976	33.9	1.1	22	-5.6	1956
30												
31												
Monthly	37.6	3.1	46.7	8.2	82	27.8	1948	28.4	-2.0	0	-17.8	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1945-1976 1982-1983	MARCH
STATION	STATION NAME	YEARS	MONTH

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	41.1	5.1	50.2	10.1	79	26.1	1976	31.9	-.1	18	-7.8	1947
2	41.1	5.1	50.9	10.5	76	24.4	1972	31.8	-.1	18	-7.8	1962
3	41.8	5.4	50.9	10.5	72	22.2	1966	32.9	.5	10	-12.2	1950
4	42.5	5.8	52.6	11.4	82	27.8	1983	33.0	.6	13	-10.6	1950
5	43.5	6.4	53.6	12.0	82	27.8	1976	33.7	.9	18	-7.8	1948
6	43.9	6.6	53.9	12.2	82	27.8	1961	33.9	1.0	14	-10.0	1948
7	43.3	6.3	52.7	11.5	79	26.1	1974	34.2	1.2	14	-10.0	1960
8	42.4	5.8	51.5	10.8	73	22.8	1968	33.7	.4	15	-9.4	1963
9	41.1	5.1	51.2	10.7	76	24.4	1968*	31.1	-.5	12	-11.1	1960
10	43.0	6.1	52.2	11.2	75	23.9	1955	33.6	.9	17	-8.3	1950
11	42.9	6.1	52.6	11.4	78	25.6	1967	33.7	.9	8	-13.3	1960
12	43.9	6.6	53.5	11.9	74	23.3	1973*	34.7	1.5	17	-8.3	1960
13	44.4	6.9	53.7	12.1	73	22.8	1976	34.7	1.5	16	-7.8	1948
14	45.0	7.2	55.6	13.1	80	26.7	1967	34.5	1.4	17	-8.3	1960
15	46.0	7.8	56.5	13.6	77	25.0	1973	36.1	2.3	22	-5.6	1950
16	45.0	7.2	54.2	12.3	88	31.1	1945	35.4	1.9	21	-6.1	1960
17	44.2	6.8	54.1	12.3	88	31.1	1945	34.3	1.3	22	-5.6	1967*
18	42.2	5.7	50.7	10.4	77	25.0	1966	33.9	1.1	17	-8.3	1967
19	45.0	7.2	54.6	12.6	88	31.1	1945	35.5	1.9	12	-11.1	1967
20	46.5	8.1	56.1	13.4	84	28.9	1945	36.9	2.7	23	-5.0	1947
21	47.3	8.5	57.9	14.4	88	31.1	1948	37.0	2.8	14	-10.0	1965
22	47.4	8.6	56.8	13.8	88	31.1	1966	37.8	3.2	23	-5.0	1956
23	48.0	8.9	59.0	15.0	79	26.1	1966	36.7	2.6	25	-3.9	1959
24	48.3	9.1	59.4	15.2	75	23.9	1959	36.7	2.6	25	-3.9	1971
25	47.2	8.4	57.2	14.0	81	27.2	1959	37.2	2.9	25	-3.9	1971*
26	48.9	9.4	59.1	15.1	79	26.1	1964	38.8	3.6	25	-3.9	1955
27	49.6	9.8	60.8	16.0	85	29.4	1949	38.3	3.5	20	-6.7	1947
28	50.0	10.0	61.3	16.3	85	29.4	1945	38.0	3.3	22	-5.6	1955
29	50.2	10.1	61.3	16.3	88	31.1	1945	38.8	3.8	24	-4.4	1959
30	50.0	10.0	58.9	14.9	88	31.1	1963	41.1	5.1	27	-2.8	1970*
31	48.6	9.2	58.1	14.5	84	28.9	1945	39.2	4.0	21	-6.1	1964
Monthly	45.3	7.4	55.2	12.9	88	31.1	1960*	35.4	1.9	8	-13.3	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17773	QUANTICO, VA	1945-1976 1982-1983	APRIL
STATION	STATION NAME	YEARS	MONTH

	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	51.0	10.6	63.2	17.3	79	26.1	1959	39.0	3.9	25	-3.9	1965
2	53.8	11.9	65.1	18.4	93	33.9	1963	41.7	5.4	26	-3.3	1964
3	53.1	11.7	64.7	18.2	92	33.3	1963	41.5	5.3	25	-3.9	1972
4	51.1	10.6	61.7	16.5	86	30.0	1956	40.5	4.7	28	-2.2	1965*
5	51.5	10.8	62.4	16.9	84	28.9	1956	40.4	4.7	28	-2.2	1972*
6	51.5	10.8	60.6	15.9	86	30.0	1947	41.7	5.4	30	-1.1	1963*
7	51.8	11.0	63.0	17.2	81	27.2	1954	39.8	4.3	28	-2.2	1950*
8	51.5	10.8	61.5	16.4	88	31.1	1959	41.2	5.1	26	-3.3	1972
9	51.8	11.0	62.3	16.8	90	32.2	1959	40.7	4.8	26	-3.3	1972
10	51.7	10.9	63.4	17.4	85	29.4	1955	40.1	4.5	28	-2.2	1972
11	52.2	11.2	62.8	17.1	81	27.2	1950	41.3	5.2	28	-2.2	1963
12	53.6	12.0	63.4	17.4	83	28.3	1965	43.7	6.5	32	.0	1976
13	51.9	11.1	63.2	17.3	87	30.6	1945	40.9	4.9	29	-1.7	1950
14	55.2	12.8	66.2	19.0	89	31.7	1960	43.5	6.4	24	-4.4	1950
15	56.6	13.3	67.1	19.5	87	30.6	1967*	44.9	7.2	31	-.6	1953*
16	56.9	13.3	67.4	19.7	88	31.1	1976	44.7	7.1	30	-1.1	1963*
17	56.5	13.6	68.5	20.3	90	32.2	1964	44.5	6.9	32	.0	1961
18	59.2	15.1	70.9	21.6	91	32.8	1964	46.8	8.2	31	-.6	1951*
19	60.0	15.6	71.2	21.8	92	33.3	1976	48.7	9.3	37	2.8	1953*
20	59.4	15.2	70.8	21.4	91	32.8	1976	47.7	8.7	31	-.6	1953
21	59.2	15.1	71.3	21.8	90	32.2	1957	46.8	8.2	31	-.6	1961
22	60.9	16.1	71.9	22.2	92	33.3	1982	49.7	9.8	31	-.6	1953
23	61.2	16.2	72.9	22.7	94	34.4	1960	49.4	9.7	33	.6	1948
24	60.2	15.7	69.9	21.1	92	33.3	1960	50.4	10.2	35	1.7	1951
25	59.2	15.1	69.5	20.8	91	32.8	1960	48.8	9.2	33	.6	1956
26	60.4	15.8	71.1	21.7	88	31.1	1960	49.6	9.8	38	3.3	1968
27	57.4	14.1	67.2	19.6	91	32.8	1957	48.1	8.9	36	2.2	1947
28	58.0	14.4	68.2	20.1	90	32.2	1983*	48.3	9.1	34	1.1	1946
29	58.9	14.9	69.4	20.8	92	33.3	1974	48.7	9.3	35	1.7	1947
30	60.7	15.9	71.4	21.9	91	32.8	1974	50.0	10.0	28	-2.2	1961
31												
Monthly	56.2	13.2	66.7	19.3	94	34.4	1960	44.8	7.1	24	-4.4	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—5MOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1945-1976 1982-1983	MAY
STATION	STATION NAME	YEARS	MONTH

	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	61.7	16.6	71.5	21.9	87	30.6	1953*	52.4	11.3	40	4.4	1963
2	61.5	16.4	72.6	22.6	90	32.2	1954*	50.5	10.3	32	.0	1945
3	61.1	16.2	71.8	22.1	90	32.2	1965	50.6	10.3	38	3.3	1966*
4	60.0	15.6	71.3	21.8	93	33.9	1965	48.7	9.3	32	.0	1967*
5	60.3	15.7	73.1	22.8	88	31.1	1955	47.6	8.7	35	1.7	1966
6	62.9	17.2	74.4	23.6	96	35.6	1950	51.5	10.8	40	4.4	1945
7	61.2	16.2	72.7	22.6	92	33.3	1959	50.0	10.0	35	1.7	1970
8	61.2	16.2	73.1	22.8	90	32.2	1963	49.3	9.6	36	2.2	1970*
9	61.9	16.4	74.0	23.3	97	36.1	1963	49.1	9.5	33	.6	1947
10	63.8	17.7	75.2	24.0	95	35.0	1963	52.4	11.3	33	.6	1947
11	64.2	17.9	75.0	23.9	92	33.3	1948	53.6	12.0	31	-.6	1966
12	64.5	18.1	75.5	24.2	89	31.7	1959*	53.7	12.1	38	3.3	1969
13	64.1	17.8	75.3	24.1	95	35.0	1956	53.2	11.8	42	5.6	1976*
14	64.3	17.9	74.4	23.6	92	33.3	1957*	54.4	12.4	41	5.0	1960
15	64.8	18.2	75.0	23.9	95	35.0	1962	54.7	12.6	42	5.6	1951
16	66.0	18.9	76.1	24.5	89	31.7	1945	55.6	13.1	40	4.4	1973
17	66.0	18.9	77.0	25.0	92	33.3	1974	55.4	13.0	40	4.4	1956
18	66.5	19.2	77.0	25.0	94	34.4	1962	56.2	13.4	39	3.9	1973
19	67.0	19.4	77.7	25.4	94	34.4	1962	56.4	13.6	42	5.6	1976
20	67.0	19.4	76.9	24.9	90	32.2	1947	57.3	14.1	42	5.6	1961*
21	67.1	19.5	76.6	24.8	88	31.1	1975*	57.7	14.3	40	4.4	1950
22	67.3	19.6	77.6	25.3	89	31.7	1964*	56.9	13.8	43	6.1	1950
23	68.1	20.1	78.4	25.8	96	35.6	1964	57.7	14.3	40	4.4	1961
24	67.2	19.6	77.6	25.3	95	35.0	1964	56.4	13.6	44	6.7	1945
25	67.1	19.5	77.2	25.1	89	31.7	1962	56.8	13.8	39	3.9	1956
26	67.3	19.6	76.9	24.9	91	32.8	1953	57.7	14.3	44	6.7	1956*
27	66.1	18.9	75.4	24.1	94	34.4	1965	56.9	13.8	41	5.0	1961
28	65.9	18.8	75.5	24.2	89	31.7	1959	56.5	13.6	31	-.6	1961
29	67.5	19.7	76.8	24.9	94	34.4	1969	58.2	14.6	46	7.8	1953*
30	68.0	20.0	77.8	25.4	94	34.4	1969	58.2	14.6	46	7.8	1949
31	68.6	20.3	79.2	26.2	92	33.3	1956	58.1	14.5	43	6.1	1961
Monthly	64.9	18.2	75.4	24.1	97	36.1	1963	54.3	12.4	31	-.6	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17773	QUANTICO, VA	1945-1976 1982-1983	JUNE
STATION	STATION NAME	YEARS	MONTH

	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	69.7	20.9	80.0	26.7	91	32.8	1951	59.4	15.2	46	7.8	1966
2	69.3	20.7	79.7	26.5	99	37.2	1951	58.9	14.9	48	8.9	1967*
3	68.8	20.4	78.4	25.8	92	33.3	1951	59.1	15.1	43	6.1	1966*
4	68.8	20.4	79.5	26.4	91	32.8	1973	58.2	14.6	48	8.9	1976*
5	69.8	21.0	80.6	27.0	92	33.3	1973	59.0	15.0	46	7.8	1950*
6	71.9	22.2	83.0	28.3	94	34.4	1952	60.8	16.0	46	7.8	1945
7	72.0	22.2	82.2	27.9	90	32.2	1971*	61.8	16.6	45	7.2	1945
8	72.2	22.3	82.7	28.2	92	33.3	1946	61.7	16.5	54	12.2	1972*
9	72.8	22.7	82.9	28.3	95	35.0	1952	62.7	17.1	45	7.2	1949
10	74.1	23.4	84.3	29.1	102	38.9	1964	63.9	17.7	52	11.1	1972*
11	73.5	23.1	84.1	28.9	95	35.0	1959*	63.0	17.2	45	7.2	1972
12	74.3	23.5	84.5	29.2	93	33.9	1976*	64.1	17.8	48	8.9	1952
13	74.3	23.5	83.7	28.7	95	35.0	1956*	65.0	18.3	51	10.6	1950
14	73.4	23.0	83.2	28.4	95	35.0	1956*	63.6	17.6	54	12.2	1970*
15	73.0	22.8	82.7	28.2	100	37.8	1964	63.3	17.4	54	12.2	1953
16	72.0	22.2	81.8	27.7	97	36.1	1957	62.2	16.8	52	11.1	1961*
17	72.2	22.3	81.9	27.7	95	35.0	1952	62.5	16.9	50	10.0	1961*
18	72.1	22.3	81.5	27.5	97	36.1	1957	62.7	17.1	50	10.0	1965
19	73.3	22.9	83.4	28.6	97	36.1	1952	63.3	17.4	48	8.9	1954
20	74.3	23.5	83.7	28.7	94	34.4	1964	64.9	18.3	51	10.6	1954
21	75.0	23.9	84.5	29.2	95	35.0	1953	65.5	18.6	55	12.8	1968
22	74.7	23.7	84.4	29.1	93	33.9	1965*	64.9	18.3	50	10.0	1963
23	75.3	24.1	84.9	29.4	93	33.9	1965	65.8	18.8	54	12.2	1963
24	76.6	24.8	87.3	30.7	97	36.1	1964*	65.8	18.8	52	11.1	1972
25	77.1	25.1	87.7	30.9	99	37.2	1966*	66.6	19.2	59	15.0	1972*
26	76.3	24.6	86.4	30.2	100	37.8	1952	66.3	19.1	55	12.8	1963
27	76.7	24.8	87.1	30.6	97	36.1	1952	66.2	19.0	55	12.8	1965*
28	75.8	24.3	86.3	30.2	98	36.7	1959	65.4	18.7	53	11.7	1970*
29	76.2	24.6	86.2	30.1	98	36.7	1959*	66.3	19.1	54	12.2	1967
30	78.0	25.6	88.4	31.3	100	37.8	1945	67.7	19.8	59	15.0	1974
31												
Monthly	73.5	23.1	83.6	28.7	102	38.9	1964	63.4	17.4	43	6.1	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1943-1976 1982-1983	JULY
STATION	STATION NAME	YEARS	MONTH

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 DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP DATE
1	78.4	25.8	88.7	31.5	99	37.2	1985	67.9	19.9	59	15.0	1952
2	77.7	25.4	88.6	31.4	98	36.7	1968*	66.7	19.3	49	9.4	1952
3	78.0	25.6	88.3	31.3	98	36.7	1966	67.7	19.8	55	12.8	1957
4	76.6	24.8	87.0	30.6	98	36.7	1966	66.3	19.1	58	14.4	1963*
5	76.4	24.7	86.3	30.2	96	35.6	1955*	66.4	19.1	56	13.3	1967*
6	76.0	24.4	85.5	29.7	97	36.1	1949	66.4	19.1	56	13.3	1951
7	75.7	24.3	85.4	29.7	93	33.9	1966	66.1	18.9	57	13.9	1983*
8	75.7	24.3	85.7	29.8	94	34.4	1946	65.8	18.8	57	13.9	1983*
9	75.7	24.3	85.4	29.7	94	34.4	1974*	66.2	19.0	53	11.7	1948
10	76.3	24.6	85.2	29.6	95	35.0	1974	67.3	19.6	56	13.3	1961
11	76.0	24.4	85.5	29.7	99	37.2	1966	66.4	19.1	57	13.9	1983*
12	75.7	24.3	85.5	29.7	95	35.0	1966*	66.0	18.9	51	10.6	1945
13	77.2	25.1	87.2	30.7	99	37.2	1954	67.2	19.6	58	14.4	1963*
14	78.1	25.6	87.1	30.6	100	37.8	1954	68.9	20.5	60	15.6	1953
15	78.0	25.6	86.6	30.3	97	36.1	1983	69.5	20.8	61	16.1	1961
16	77.7	25.4	87.1	30.6	95	35.0	1953	68.4	20.2	59	15.0	1960
17	77.5	25.3	87.2	30.7	96	35.6	1955*	67.9	19.9	54	12.2	1946
18	78.4	25.6	88.0	31.1	99	37.2	1953	68.8	20.4	56	13.3	1946
19	79.2	26.2	88.9	31.6	96	35.6	1969	69.6	20.9	60	15.6	1957
20	78.6	25.9	87.9	31.1	94	34.4	1972*	69.5	20.8	61	16.1	1965
21	77.7	25.4	87.4	30.8	98	36.7	1957	67.9	19.9	56	13.3	1965
22	78.4	25.8	88.2	31.2	100	37.8	1952	68.8	20.4	56	13.3	1965
23	78.5	25.8	87.4	30.8	100	37.8	1952	69.4	20.8	53	11.7	1947
24	77.5	25.3	86.2	30.1	96	35.6	1976*	68.8	20.4	54	12.2	1947
25	77.6	25.3	86.6	30.3	97	36.1	1966	68.6	20.3	60	15.6	1957*
26	77.4	25.2	87.6	30.9	95	35.0	1982*	67.4	19.7	57	13.9	1976
27	78.6	25.9	88.4	31.4	96	35.6	1963*	68.8	20.4	56	13.3	1946
28	79.2	26.3	89.2	31.8	99	37.2	1952	69.5	20.8	54	12.2	1962
29	77.8	25.4	86.9	30.5	96	35.6	1964*	68.8	20.4	57	13.9	1946
30	77.6	25.3	86.8	30.4	99	37.2	1954	67.9	19.9	58	14.4	1946
31	78.1	25.6	88.0	31.1	102	38.9	1954	68.1	20.1	55	12.8	1956
Monthly	77.5	25.3	87.1	30.6	102	38.9	1954	67.8	19.9	49	9.4	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1945-1976 1982-1983	AUGUST
STATION	STATION NAME	YEARS	MONTH

	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	78.2	25.7	87.3	30.7	97	36.1	1968	67.0	20.6	57	13.9	1966
2	77.8	25.4	86.9	30.5	97	36.1	1955	68.7	20.4	57	13.9	1947
3	77.1	25.1	86.7	30.4	97	36.1	1957	67.6	19.8	56	13.3	1965*
4	76.4	24.7	85.0	29.4	100	37.8	1975	67.8	19.9	58	14.4	1965
5	76.0	24.4	84.8	29.3	94	34.4	1953	67.3	19.6	54	12.2	1951
6	75.1	23.9	84.6	29.2	97	36.1	1955	65.5	18.6	54	12.2	1951*
7	75.4	24.1	84.0	28.9	95	35.0	1968	66.7	19.3	55	12.8	1950
8	76.5	24.7	85.9	29.9	94	34.4	1983	67.1	19.5	54	14.4	1975*
9	77.3	25.2	87.2	30.7	97	36.1	1983	67.4	19.7	56	13.3	1964
10	76.9	24.9	86.4	30.2	97	36.1	1949	67.5	19.7	60	15.6	1972*
11	76.0	24.4	85.9	29.9	99	37.2	*949	66.2	19.0	55	12.8	1972
12	75.3	24.1	85.1	29.5	97	36.1	1949	65.3	18.5	56	13.3	1968
13	74.8	23.8	84.1	28.9	94	34.4	1947	65.5	18.6	54	12.2	196*
14	75.7	24.3	85.6	29.8	96	35.6	1959*	65.8	18.8	53	11.7	1950
15	76.2	24.6	86.1	30.1	97	36.1	1947	66.3	19.1	50	10.0	1964
16	77.0	25.0	86.6	30.3	96	35.6	1954	67.3	19.6	55	12.8	1963
17	76.7	24.8	85.5	29.7	95	35.0	1968	68.0	20.0	56	13.3	1983
18	76.0	24.4	84.7	29.3	94	34.4	1956	67.3	19.6	58	14.4	1953
19	75.8	24.3	85.5	29.7	95	35.0	1983	66.2	19.0	54	12.2	1953
20	75.6	24.2	85.5	29.7	98	36.7	1955	65.8	18.8	51	10.6	1964
21	75.1	23.9	84.5	29.2	97	36.1	1951	65.9	18.8	55	12.8	1949
22	75.9	24.4	84.9	29.4	101	38.3	1983	66.8	19.3	56	13.3	1949
23	75.1	23.9	83.5	28.6	97	36.1	1968	66.7	19.3	54	12.2	1952
24	74.2	23.4	83.5	28.6	96	35.6	1968	65.*	18.3	50	10.0	1952
25	75.0	23.9	84.9	29.4	95	35.0	1968*	65.3	18.5	49	9.4	1952
26	75.6	24.2	86.2	30.1	98	36.7	1948	64.9	18.3	50	10.0	1963
27	75.5	24.2	84.8	29.3	98	36.7	1948	66.1	18.9	52	11.1	1945
28	76.2	24.6	85.7	29.8	97	36.1	1948	66.6	19.2	52	11.1	1945
29	76.4	24.7	86.8	30.4	98	36.7	1948	66.1	18.9	50	10.0	1965
30	76.7	24.8	87.5	30.8	101	38.3	1953	66.0	18.9	52	11.1	1965
31	75.5	24.2	85.6	29.8	99	37.2	1953	65.6	18.7	48	8.9	1946
Monthly	76.0	24.4	85.5	29.7	101	38.3	1983*	66.6	19.2	48	8.9	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
[illegible]3	Q ANTICO, VA	1945-1976 1978-1978 9999-9999	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	74.2	23.8	84.4	29.1	97	36.1	1953	65.3	18.5	48	8.9	1949
2	74.1	23.4	84.1	28.9	99	37.2	1953	64.3	17.9	46	7.8	1949
3	73.9	23.3	83.7	28.7	97	36.1	1953	64.0	17.8	49	9.4	1967
4	74.1	23.4	83.8	28.8	94	34.4	1947	64.4	18.0	53	11.7	1946
5	73.6	23.2	83.7	28.7	97	36.1	1954	63.8	17.7	52	11.1	1946
6	73.0	22.8	82.1	27.8	100	37.8	1954	63.8	17.7	5[illegible]	10.0	1962
7	72.4	22.4	81.7	27.6	105	40.6	1954	63.1	17.3	5[illegible]	10.0	1962
8	71.2	21.8	81.3	27.4	90	32.2	1976*	61.2	16.2	49	9.4	1962
9	71.9	21.9	81.1	27.3	93	33.9	1946	61.8	16.6	50	10.0	1956
10	71.6	22.0	81.7	27.6	92	33.3	1970	61.5	16.4	45	7.2	1956
11	70.6	21.4	80.8	27.1	92	33.3	1964	60.5	15.8	44	6.7	1949
12	70.6	21.4	80.9	27.2	95	35.0	1983	60.3	15.7	44	6.7	1967
13	69.8	21.0	80.0	26.7	96	35.6	1952	59.8	15.4	48	8.9	1958
14	70.1	21.2	80.3	26.8	94	34.4	1952	60.0	15.6	43	6.1	1953
15	69.6	20.8	79.3	26.3	90	32.2	1970	59.5	15.3	45	7.2	1946
16	69.3	20.7	79.1	26.2	90	32.2	1970*	59.6	15.3	46	7.8	1946
17	69.3	20.7	77.8	25.4	96	35.6	1958	60.6	15.9	46	7.8	1966
18	68.8	20.4	77.6	25.3	90	32.2	1970	60.0	15.6	47	8.3	1959
19	70.0	21.1	79.4	26.3	94	34.4	1983	60.6	15.9	44	6.7	1959
20	68.7	20.4	77.0	25.0	91	32.8	1983	60.3	15.7	43	6.1	1959
21	68.2	20.1	76.4	24.7	92	33.3	1965	59.9	15.5	38	3.3	1956
22	66.5	19.2	75.3	24.1	92	33.3	1970	57.3	14.1	41	5.0	1962
23	65.0	18.3	75.2	24.0	94	34.4	1970	54.7	12.6	41	5.0	1947
24	64.3	17.9	74.3	23.5	91	32.8	1959	54.4	12.4	39	3.9	1974*
25	65.2	18.4	75.6	24.2	91	32.8	1970	54.9	12.7	40	4.4	1963*
26	65.5	18.6	75.0	23.9	91	32.8	1970	55.9	13.3	42	5.6	1983
27	64.7	18.3	74.4	23.6	89	31.7	1959	55.5	13.1	38	3.3	1947
28	64.6	18.1	73.7	23.2	88	31.1	1954	55.5	13.1	38	3.3	1947
29	63.7	17.6	72.6	22.6	90	32.2	1954	54.9	12.7	40	4.4	1951
30	63.3	17.4	72.4	22.4	90	32.2	1954	54.2	12.3	39	3.9	1951
31												
Monthly	69.3	20.7	78.8	26.0	105	40.6	1954	59.7	15.4	38	3.3	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
13773	QUANTICO, VA	1945-1976 1978-1978 9999-9999	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	62.7	17.1	72.4	22.4	85	29.4	1954	53.3	11.8	34	1.1	1947
2	62.7	17.1	72.9	22.7	87	30.6	1952	52.4	11.3	34	1.1	1947
3	62.5	16.9	73.2	22.9	88	31.1	1954	51.8	11.0	34	1.1	1974
4	61.6	16.4	72.3	22.4	94	34.4	1954	51.2	10.7	30	-1.1	1974
5	63.0	17.2	73.8	23.2	93	33.9	1951	52.2	11.2	35	1.7	1965
6	62.0	16.7	72.9	22.7	92	33.3	1951	51.5	10.8	31	-.6	1965
7	61.2	16.2	71.4	21.9	83	28.3	1955*	51.1	10.6	38	3.3	1964*
8	60.7	15.9	70.8	21.6	84	28.9	1949	51.1	10.6	33	.6	1954
9	61.1	16.1	69.7	20.9	84	28.9	1949	52.4	11.3	37	2.6	1953
10	60.4	15.8	70.2	21.2	86	30.0	1958	50.5	10.3	35	1.7	1964
11	60.2	15.7	70.7	21.5	87	30.6	1954	49.7	9.8	29	-1.7	1964
12	60.7	15.9	71.6	22.0	88	31.1	1962*	49.8	9.9	29	-1.7	1964
13	59.2	15.2	70.3	21.3	88	31.1	1954	48.2	8.9	34	1.1	1957
14	60.1	15.6	70.6	21.4	87	30.6	1975	49.4	9.7	35	1.7	1952
15	60.1	15.6	71.4	21.9	86	30.0	1975	48.8	9.3	35	1.7	1945
16	59.2	15.1	69.6	20.9	82	27.8	1962	48.8	9.3	34	1.1	1945
17	59.5	15.3	70.4	21.3	83	28.3	1963	48.7	9.3	36	2.2	1961
18	58.4	14.7	68.5	20.3	80	26.7	1963*	48.0	8.9	35	1.7	1976*
19	56.2	13.3	65.6	18.7	83	28.3	1947	46.4	8.0	30	-1.1	1948
20	55.3	12.9	65.6	18.7	86	30.0	1969	45.2	7.3	30	-1.1	1952
21	55.1	12.8	65.8	18.8	83	28.3	1947	44.3	6.8	28	-2.2	1952
22	56.5	13.6	66.1	18.9	82	27.8	1949	46.5	8.1	28	-2.2	1952
23	57.8	14.3	68.3	20.2	88	31.1	1947	47.3	8.5	30	-1.1	1952
24	56.7	13.7	66.0	18.9	77	25.0	1954	47.4	8.6	29	-1.7	1969*
25	54.7	12.6	63.8	17.7	76	24.4	1974	45.1	7.3	29	-1.7	1964
26	53.2	11.8	63.2	17.3	76	24.4	1947	43.4	6.3	31	-.6	1965*
27	53.4	11.9	63.8	17.7	77	25.0	1963	43.1	6.2	30	-1.1	1962
28	54.9	12.2	63.8	17.7	75	23.9	1945	44.3	6.8	29	-1.7	1976
29	54.7	12.7	64.6	18.1	80	26.7	1946	45.2	7.3	29	-2.2	1965
30	53.2	11.8	63.6	17.6	84	28.9	1950	42.9	6.1	24	-4.4	1952
31	54.9	12.7	65.5	18.6	85	29.4	1946	44.3	6.8	30	-1.1	1965
Monthly	58.4	14.7	68.7	20.4	94	34.4	1954	48.2	9.0	24	-4.4	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1945-1976 1978-1978 9999-9999	NOVEMBER
STATION	STATION NAME	YEARS	MONTH

	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	55.3	12.9	65.4	18.6	83	28.3	1950	45.5	7.5	29	-1.7	1954
2	55.7	13.2	65.9	18.8	85	29.4	1971	46.0	7.8	28	-2.2	1965
3	54.9	12.7	64.7	18.2	81	27.2	1974	45.5	7.5	26	-3.3	1951
4	52.3	11.3	61.7	16.5	82	27.8	1974	43.3	6.3	25	-3.9	1951
5	49.8	9.9	58.3	14.6	82	27.8	1975	41.1	5.1	27	-2.8	1952*
6	48.8	9.3	58.7	14.8	77	25.0	1948	38.9	3.8	24	-4.4	1967
7	47.5	8.8	58.5	14.7	72	22.2	1975*	37.4	3.0	26	-3.3	1973
8	49.4	9.7	59.7	15.4	82	27.8	1975	39.1	3.9	25	-3.9	196
9	48.8	9.4	59.9	15.5	76	24.4	1966*	38.4	3.6	24	-4.4	1951
10	48.1	8.9	57.9	14.4	75	23.9	1975*	38.2	3.4	27	-2.8	1961*
11	47.5	8.8	58.3	14.6	76	24.4	1964*	37.5	3.1	26	-3.3	1961*
12	48.3	9.1	58.6	14.8	77	25.0	1964	38.4	3.6	20	-6.7	1957
13	49.2	9.6	59.5	15.3	79	26.1	1964	38.9	3.8	26	-3.3	1957*
14	49.8	9.9	61.2	16.2	80	26.7	1955	38.3	3.5	26	-3.3	1968*
15	48.1	8.9	57.8	14.3	78	25.6	1973	38.1	3.4	27	-2.8	1967*
16	50.2	10.1	60.8	16.0	80	26.7	1955	39.2	4.0	21	-6.1	1967
17	47.8	8.8	57.3	14.1	71	21.7	1963	38.0	3.3	26	-3.3	1959
18	46.3	7.9	56.1	13.4	73	22.8	1963	36.4	2.4	22	-5.6	1959
19	47.0	8.3	56.7	13.7	74	23.3	1976*	37.2	2.9	23	-5.0	1951
20	45.9	7.7	55.9	13.3	73	22.8	1948	35.9	2.2	23	-5.0	1951
21	44.8	7.0	54.1	12.3	68	20.0	1956	35.1	1.7	17	-8.3	1951
22	43.4	6.3	53.2	11.8	75	23.9	1983	34.1	1.2	16	-8.9	1964
23	43.2	6.2	54.0	12.2	70	21.1	1951	32.9	.5	16	-8.9	1964
24	43.5	6.4	53.6	12.0	74	23.3	1958	33.5	.8	17	-8.3	1956
25	41.7	5.4	51.3	10.7	75	23.9	1973	32.2	.1	16	-8.9	1975
26	43.1	6.2	52.7	11.5	71	21.7	1967*	33.7	.9	16	-8.9	1950
27	44.1	6.7	53.7	12.1	68	20.0	1965*	34.5	1.4	19	-7.2	1974
28	43.1	6.1	51.9	11.1	72	22.2	1973	34.0	1.1	19	-7.2	1951
29	42.1	5.6	50.9	10.5	69	20.6	1968	33.3	.7	13	-10.6	1955
30	38.7	3.7	47.2	8.4	65	18.3	1973	30.2	-1.0	17	-8.3	1976
31												
Monthly	47.3	8.5	57.2	14.0	85	29.4	1971	37.5	3.1	13	-10.6	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773	QUANTICO, VA	1945-1976 1978-1978 9999-9999	DECEMBER
STATION	STATION NAME	YEARS	MONTH

	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	38.2	3.4	48.0	8.9	67	19.4	1946	28.5	-1.9	14	-10.0	1976
2	38.4	3.6	48.4	9.1	73	22.8	1970	28.6	-1.9	17	-8.3	1967
3	40.7	4.8	50.1	10.1	72	22.2	1950	31.5	-.3	14	-10.0	1946
4	42.0	6.1	52.8	11.6	77	25.0	1982	33.7	.9	16	-8.9	1966
5	42.3	5.7	52.2	11.2	67	19.4	1960	32.8	.4	19	-7.2	1966
6	40.8	4.9	51.3	10.7	70	21.1	1982*	30.8	-.7	21	-6.1	1976*
7	40.6	4.8	49.6	9.8	78	25.6	1956	31.8	-.1	15	-9.4	1958
8	41.2	5.1	50.3	10.2	77	25.0	1966	32.3	.2	14	-10.0	1954
9	39.5	4.2	47.6	8.7	73	22.8	1951	31.6	-.2	19	-7.2	1963
10	38.9	3.8	46.8	8.2	70	21.1	1946	30.8	-.7	15	-9.4	1960
11	37.5	3.1	45.3	7.4	68	20.0	1971	29.7	-1.3	12	-11.1	1968
12	38.2	3.4	45.5	7.5	65	18.3	1946	31.0	-.6	7	-13.9	1962
13	38.7	3.7	45.8	7.7	65	18.3	1949	31.4	-.3	5	-15.0	1962
14	37.3	2.9	44.9	7.2	62	16.7	1948	29.7	-1.3	12	-11.1	1960
15	35.3	2.1	43.2	6.2	71	21.7	1971	28.6	-1.9	12	-11.1	1962*
16	35.8	2.1	44.8	7.1	75	23.9	1971	27.3	-2.6	5	-15.0	1958
17	36.1	2.3	45.2	7.3	60	15.6	1971*	26.9	-2.8	4	-15.6	1951
18	35.2	1.8	43.7	6.5	59	15.0	1967	26.8	-2.9	12	-11.1	1953
19	35.1	1.7	43.5	6.4	66	18.9	1970	26.8	-2.9	10	-12.2	1953
20	35.6	2.0	43.5	6.4	63	17.2	1972	27.7	-2.4	10	-12.2	1963
21	35.1	1.7	42.3	5.7	64	17.8	1951	28.1	-2.2	7	-13.9	1963
22	34.9	1.6	42.6	5.9	69	20.6	1949	27.2	-2.7	9	-12.8	1960
23	35.7	2.1	44.3	6.8	62	16.7	1957	27.1	-2.7	5	-15.0	1960
24	37.6	3.1	44.7	7.1	66	18.9	1965	30.5	-.8	14	-10.0	1960
25	35.7	2.1	43.6	6.4	73	22.8	1964	27.7	-2.4	12	-11.1	1960
26	37.3	2.9	46.1	7.8	71	21.7	1964	28.5	-1.9	14	-10.0	1966
27	36.7	2.6	45.3	7.4	70	21.1	1971	28.1	-2.2	12	-11.1	1948
28	36.9	2.7	46.8	8.2	74	23.3	1946	27.7	-2.4	10	-12.2	1950
29	36.7	2.6	44.1	6.7	57	13.9	1954	29.5	-1.4	14	-10.0	1952
30	36.2	2.3	44.4	6.9	69	20.6	1971	27.9	-2.3	10	-12.2	1963
31	36.5	2.5	44.4	6.9	76	24.4	1965	28.7	-1.8	6	-14.4	1963
Monthly	37.7	3.2	46.2	7.9	78	25.6	1956	29.3	-1.5	4	-15.6	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]		[illegible]	88	87		100	[illegible]	93	92	81	[illegible]	[illegible]	
[illegible]		[illegible]		88	88		[illegible]		93	85	80	74	
[illegible]	7[illegible]	54	68		91	94	[illegible]	97		88	66	62	
[illegible]	65	82	88	85	92	96	96	96	90	[illegible]	77	65	98
[illegible]	74	78	85	87	90	96	97	99	89		76	69	
[illegible]	[illegible]		[illegible]	81	96	97		93	90	86	84	72	
1	68	70	73	90	90	99	97		94	93	76	76	
2	75	61	84	92		100	100	92	96	87	70	58	
3	72	74	69	87	91	95	99	101	99	81	78	69	101
4	72	77	74	85	90	95	102	96	105	94	69	65	105
[illegible]	65	67	80	85	89	91	96	98	88	83	[illegible]	66	[illegible]
[illegible]	65	67	73	87	95	95	98	95	93	81	71	78	[illegible]
[illegible]	67	65	74	91	[illegible]	97	98	97	91	78	74	62	[illegible]
[illegible]	[illegible]	63	61	85	88	95	[illegible]	95	96	86	74	59	97
[illegible]	69	70	81	90		99	99	98	92		[illegible]	64	
[illegible]	64	65	81	94	87	98	94	95	91	82	75	67	95
[illegible]1	56	73	82	88	86	91	95	92	92	83	[illegible]	66	[illegible]
[illegible]2	63	63	80	90	95	95	94	94	95	88	89	64	9[illegible]
[illegible]3	64	61	88	93	97	97	96	96	93	85	[illegible]	57	[illegible]
[illegible]4	63	60	79	91	96	102	96	94	94	76	79	73	102
[illegible]5	65	72	74	83	94	95	94	93	92	78	[illegible]	76	[illegible]
[illegible]6	71	63	88	88	93	99	99	93	95	81	76	77	99
67	78	69	80	88	[illegible]6	95	92	92	84	87	71	64	[illegible]
68	58	54	80	88	86	97	98	97	88	85	80	66	99
[illegible]9	61	52	68	83	94	96	96	93	91	86	69	[illegible]	[illegible]
[illegible]0	63	65	66	83	90	93	93	94	94	85	67	73	94
[illegible]1	56	72	70	85	90	91	92	92	88	80	[illegible]	75	92
72	64	69	76	89	[illegible]3	87	97	93	92	80	78	65	97
73	63	64	77	88	84	94	95	94	93	84	78	68	[illegible]
[illegible]4	74	72	80	92	92	93	95	92	90	79	82	65	95
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 8?
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	75	64	68	82	88	92	92	100	87	87		69	
76		79	82		86	94	96	93					
7?													
MEAN	76.7	67.5	77.6	87.5	91.3	95.2	95.8	96.9	92.1	83.6	75.6	67.1	98.9
S.D.	6.893	7.312	7.166	3.359	3.752	3.277	2.669	2.537	3.928	4.699	4.903	6.206	2.926
TOTAL OBS.	899	870	961	900	899	930	961	930	900	899	900	961	11016

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773 (STATION) | QUANTICO, VA (STATION NAME) | 45-76, 78, 82 (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
45					89 29								MAX TEMP DAYS
46	65 27		80 30			92 29		9[illegible] [illegible]					MAX TEMP DAYS
47				86 29					94 29				MAX TEMP DAYS
48										86 30			MAX TEMP DAYS
49		56 27					93 29						MAX TEMP DAYS
51								97 7					MAX TEMP DAYS
52					2 30					9[illegible] 30			MAX TEMP DAYS
56											82 27		MAX TEMP DAYS
76	58 30			92 28					80 29	76 25	74 21	58 21	MAX TEMP DAYS
78									67 1				MAX TEMP DAYS
82		59 19	70 23	77 21	88 20	9[illegible] 22	95 21	92 20	91 20	82 20	71 17	77 22	MAX TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		12	27	28		45	51	52	53	34	32	11	
46		17		32	40		54		45	38	25	14	
47	17	7	18			48		57			25	18	
48		15	14	30		51	53		44	30	31	12	
49	18	15	23	33	42	43	65	55	44		32	13	
50	18		10		34	46		53	40	33	16	10	
51	11	8	25	31	42	54	56		39	38	17	4	
52	10	18	23	31		46	49	49	45	24	23	14	
53	21	17	24	31	46	48	57	54	41	34	25	15	17
54	11	15	20	27	36	48	58	55	48	33	26	14	11
55	4	8	22	34	44	53	65	62	48	33	13	13	4
56	16	19		27	39	49	55	56	38	35	17	24	
57	1-	22	26	31	39	55	55	54	39	30	20	12	1-
58	11	5	28	33	46	52	65	57	47	38	18	5	5
59	2	14	21	34		50	57	56	43		22	19	
60	15	14	8	28	38	52	57	59	49	31	25	5	-
61	5-	6	22	26	31	50	56	54	43	33	26	15	5-
62	8	14	16	30	39	56	58	57	41	35	27	5	5
63	6	6	24	30	38	50	56	50	39	32	26	6	6
64	3	21	21	26	46	48	58	54	44	29	16	13	3
65	4	9	14	25	48	49	56	50	46	28	22	20	4
66	7	3	23	31	31	43	56	56	46	32	26	14	3
67	16	9	13	34	32	48	56	58	44	33	21	17	9
68	2	7	19	33	39	54	57	53	47	31	26	12	7
69	13	21	24	33	38	55	65	57	45	29	22	19	13
70	2	12	24	32	35	53	57	60	45	38	16	18	7
71	10	4	23	31	40	58	60	55	50	43	27	21	4
72	3	14	21	25	43	45	60	55	48	30	24	20	3
73	17	11	28	32	39	54	59	60	51	38	26	13	11
74	22	15	26	31	37	56	58	58	39	30	19	24	15
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VA	45-76, 78, 82
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	17	2[illegible]	31	31	47	55	58	58	45	32		18	
76		14	22		40	48	57	52					
77													
MEAN	7.7	12.2	21.0	30.2	39.6	50.4	57.3	55.2	44.8	32.8	22.4	14.0	5.2
S.D.	8.029	5.971	5.129	2.681	4.717	4.031	3.836	3.270	3.866	3.963	4.287	5.456	5.001
TOTAL OBS.	868	876	930	87[illegible]	83[illegible]	930	930	899	900	868	900	961	10769

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773 — STATION
[illegible] MATICO, VA — STATION NAME
65-76, 78, 80 — YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
65					32 29								MIN TEMP DAYS
67	7 27		25 29			51 27		46 29					MIN TEMP DAYS
67				31 29	33 30		53 30		38 29	34 30			MIN TEMP DAYS
68	0 29				40 31			44 29					MIN TEMP DAYS
69										34 30			MIN TEMP DAYS
70		19 29		24 28			57 29						MIN TEMP DAYS
71								54 29					MIN TEMP DAYS
72			17 29										MIN TEMP DAYS
73					43 30					34 30			MIN TEMP DAYS
75											27 29		MIN TEMP DAYS
76	9 30			32 29					46 29	29 25	17 29	19 29	MIN TEMP DAYS
78									44 1				MIN TEMP DAYS
80			0	0	0	57 22	0	0	0	0	0	0	MIN TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS



PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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					

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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
	.4	.6	1.4	15.4	14.2	11.	8.5	5.6	3.1	2.7	1.3	.9	.1	.1	.1							
																			7017		7017	

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.	2	127	.7	1.3	31							
Dry Bulb	13	11	56.1	11.	1		9.	13 .6	58.9	19.3		.1
Wet Bulb	56	2178	48.7	9.	1		25.	16.6				0.1
Dew Point	3327	827.1	.9	11.9	7		18.3	3.6				720.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS 67-78 MONTH MAY

HOURS (L S T) 0001

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]	16.5	18.31	• [illegible]	10.2	7.3	5.7	3.3	2.2	•	.1	.0					2056	2 56	2 56	[illegible]

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.	11 [illegible]	18 3 3	[illegible] .7	[illegible]	2 8 [illegible]							
Dry Bulb	[illegible] 1 [illegible]	13 [illegible] 30	[illegible] 5.	9.-4	2 5 [illegible]			332.6	16 .[illegible]	4[illegible].9	.7	[illegible]48.[illegible]
Wet Bulb	[illegible] 3 [illegible]	12 1 73	[illegible] .9	7. 1	[illegible] 5		•	133.5	30.[illegible]	1.1		748.[illegible]
Dew Point	[illegible]4335 [illegible]	111 [illegible] 4	[illegible]6.2	9.795	2 5[illegible]		15.2	67.7	8.9	.7		748.9

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
									•									1	1		
								•	•1	•1	•1							6	6		
						•1	•	•2	•	•2	•1										
5						•	•	•	•5	•3	•2	•1						44	44		
				•	•	•	•	•	•	•2	•1							55	55		
			•	•1	•4	1•	1•2	•7	•2	•3	•1							78	78		
			•1	•3	1•1	1•	1•	•4	•5	•2		•1						112	112		
			•1	•4	1•	1•	•	•6	•		•1							108	108	1	
		•1	•	1•4	1•7	1•	1•0	•7	•6									140	140	19	5
7		•3	1•4	1•	1•2	•	1•0	•7	•3	•1								159	159	47	17
	•	•	•	2•3	1•4	•6	•7	•8	•4	•1								180	180	11	36
	•1	2•	2•6	1•	1•1	•7	•	•7		•1								197	197	232	54
	•	•2	2•4	2•3	1•4	1•	•7	•6	•	•1								208	208	235	166
	•	•	2•1	1•2	1•2	•8	•7	•3	•1									167	167	279	277
6	•	•	•1	1•1	•4	•8	•7	•1										145	145	299	283
	•	•3	1•	1•4	•4	•1	•1											122	122	213	119
	•	1•4	1•2	•	•2	•1		•										69	69	141	17
	•1	1•3	•	•	•1	•1	•1											51	51	144	1
0	•	1•2	•	•	•1		•											47	47	1	134
	•1	•	•	•	•1													20	20	69	148
	•3	•	•		•													72	72	56	94
6		•	•1	•1														4	4	28	71
		•	•1	•1														1	1	1	5
		•	•1		•													3	3	2	27
7		•		•														2	2	6	27
4																				4	12
																				1	2
																				1	1
	•3	•7	1•	14•4	12•3	10•7	•9	6•4	3•8	1•4	•7	•1							178		1778
																		1778		1778	

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]0 33	144152	72.9	1[illegible].144	1[illegible]7							
Dry Bulb	1 37797	14[illegible]210	73.9	.103	1973			593.7	399.1	182.7	2.8	720.0
Wet Bulb	4285	13[illegible]2[illegible]	67.3	[illegible].086	1973			428.4	156.3	6.9		720.0
Dew Point	156[illegible]26	126[illegible]4	63.8	7.17	1978			312.7	69.2	1.8		720.0

NAVWEASERVCOM

1078 2097 54321

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	50-76	JAN

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]																					

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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
3																					

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

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												

NAVWEASERVCOM



PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | 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

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

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ 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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE
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				
	.1																	468	468	633	69
	.1																	336	336	54	7
	.1	.6	.4	.2														255	255	418	62
		.2	.4	.2														166	166	301	57
		.2	.3	.1														116	116	221	5
		.2	.1															63	63	172	83
		.1	.1															74	74	113	3
		.1	.1															37	37	62	27
		.1																24	24	54	2
																		14	14	22	
		.1																12	12	16	1
																		11	11	16	11
																		7	7	14	11
																		4	4	7	
																		1	1		7
																				1	3
																					1
																					1
	.1	.8	.2	1.4	1.1	.0	.0	5.7	3.4	2.3	1.0	.4	.1	.1	.0	.0		23727	23739	23727	2378

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.	13	64139	.7	13.1	23							
Dry Bulb	1	3	1	1	23		0	1211.7	2054.4	1	25.6	8760
Wet Bulb	1	3	1	1	23	0	1245.7	221.1	836.	52.		8760
Dew Point	1	3	1	1	23	5	272.2	1566.6	525.3	10.		8760.0

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4773	QUANTICO, VA	60-78
STATION	STATION NAME	YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	32.[illegible]	35.1	41.2	50.5	59.6	68.7	72.6	71.3	65.9	54.5	45.1	38.1	52.6
	S. D.	9.937	9.625	8.969	9.475	7.535	5.850	4.467	4.330	7.194	9.378	10.648	8.996	16.232
	TOTAL OBS	248	225	246	238	231	210	218	217	217	217	208	217	2685
	MEAN	31.4	33.5	40.3	47.8	57.5	66.7	70.5	69.1	64.3	52.6	43.5	37.[illegible]	51.3
	S. D.	10.649	9.645	9.281	9.847	7.864	6.040	4.582	4.872	7.235	9.920	10.540	9.014	16.144
	TOTAL OBS	248	225	248	239	245	238	245	247	210	239	208	217	2809
	MEAN	33.3	32.5	39.7	48.4	59.5	68.4	72.2	70.3	64.0	52.2	42.2	35.6	52.5
	S. D.	60.263	9.958	9.131	9.338	7.075	5.324	4.291	4.575	6.967	9.712	10.866	9.282	24.009
	TOTAL OBS	268	229	250	247	281	281	282	287	278	257	231	237	3128
	MEAN	33.[illegible]	37.8	46.2	57.4	67.0	75.7	79.6	78.8	71.9	60.2	49.3	39.4	58.5
	S. D.	.394	9.714	8.864	9.135	7.289	5.755	4.982	4.499	6.240	7.853	9.780	8.283	17.815
	TOTAL OBS	289	262	291	276	290	282	286	292	279	259	247	259	3312
	MEAN	38.6	43.2	51.4	63.[illegible]	71.9	80.5	84.5	83.9	77.0	65.4	54.4	44.1	63.5
1	S. D.	9.498	10.777	10.157	10.542	8.425	6.812	5.596	5.043	7.454	8.368	10.634	9.021	18.212
	TOTAL OBS	289	264	292	279	288	282	285	293	279	263	249	258	3318
	MEAN	40.2	45.7	53.2	64.9	72.9	81.[illegible]	85.0	84.2	77.4	66.8	55.[illegible]	46.8	64.1
	S. D.	9.795	11.221	10.165	10.781	8.061	7.182	5.852	5.399	7.460	8.376	10.673	9.[illegible]28	17.9[illegible]2
	TOTAL OBS	275	246	271	259	253	247	249	254	237	237	232	241	3[illegible]01
	MEAN	36.7	41.1	48.1	60.3	68.7	77.0	80.3	78.9	71.4	60.1	50.0	41.3	59.3
	S. D.	9.4[illegible]5	10.055	8.780	9.790	7.371	6.139	5.071	4.399	6.838	8.171	9.651	8.703	17.225
	TOTAL OBS	2[illegible]3	231	251	241	237	226	231	237	220	224	211	223	2785
	MEAN	34.3	37.5	44.2	54.4	63.1	71.8	75.1	74.0	67.7	56.5	46.7	39.3	55.[illegible]
2	S. D.	9.686	9.481	8.401	9.362	7.351	5.899	4.402	4.348	7.073	9.080	10.111	8.436	16.399
	TOTAL OBS	248	226	248	238	231	212	222	221	210	217	208	217	2698
	MEAN	35.2	38.5	45.8	56.1	65.2	73.9	77.6	76.6	70.2	58.6	48.5	40.1	57.3
ALL HOURS	S. D.	23.438	10.998	10.384	11.594	9.442	8.110	7.266	7.376	8.690	10.307	11.304	9.354	18.850
	TOTAL OBS	2118	1908	2097	2017	2056	1978	2018	2048	1923	1913	1796	1869	23736

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS
[illegible]773	QUANTICO, VA	69-78

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible].2	32.[illegible]	37.[illegible]	45.6	56.1	65.3	69.0	68.4	63.0	52.0	42.[illegible]	35.6	49.3
	S. D.	[illegible].959	8.819	8.791	9.12[illegible]	7.551	5.446	4.269	4.285	7.079	9.686	10.227	8.644	16.[illegible]45
	TOTAL OBS	245	225	246	238	231	21[illegible]	218	217	210	216	208	216	2683
	MEAN	[illegible]9.1	3[illegible].7	36.7	43.8	54.6	63.8	67.5	66.7	61.8	50.4	[illegible]1.1	34.6	48.5
	S. D.	10.508	9.001	9.076	9.649	7.947	5.966	4.643	4.878	7.2[illegible]7	10.181	10.427	8.865	16.101
	TOTAL OBS	248	225	248	239	245	238	245	247	21[illegible]	239	208	217	2809
	MEAN	27.7	29.[illegible]	36.4	44.5	55.[illegible]	64.7	68.3	67.5	61.5	50.0	39.9	33.4	49.2
	S. D.	11.167	[illegible].418	9.089	9.148	7.574	5.785	4.474	4.762	7.105	9.951	10.720	9.246	16.[illegible]07
	TOTAL OBS	267	226	249	247	231	281	282	287	278	257	231	237	3123
	MEAN	[illegible].[illegible]	33.6	4[illegible].8	49.4	59.8	68.1	71.6	71.5	65.5	54.9	44.6	36.1	52.5
0	S. D.	[illegible].462	8.950	8.439	8.219	7.276	5.599	4.563	4.354	6.357	8.400	9.779	8.315	16.425
	TOTAL OBS	289	262	290	276	29[illegible]	282	286	292	279	259	247	259	3311
	MEAN	34.[illegible]	37.0	43.8	52.5	62.[illegible]	69.8	73.2	73.1	67.5	57.5	47.5	39.1	55.[illegible]
1	S. D.	[illegible].889	8.837	8.647	8.484	7.303	5.671	4.971	4.489	6.539	8.113	9.742	8.239	15.562
	TOTAL OBS	289	263	292	279	288	282	285	293	279	260	249	258	3317
	MEAN	35.2	38.7	44.8	53.[illegible]	62.8	70.1	73.4	73.1	67.7	58.1	47.5	39.6	55.[illegible]
	S. D.	[illegible].041	8.741	8.519	8.190	7.065	5.556	4.778	4.386	6.456	7.996	9.515	8.272	15.521
	TOTAL OBS	275	246	271	259	253	247	249	254	237	237	232	241	3001
	MEAN	[illegible]3.2	35.[illegible]	41.7	51.[illegible]	60.9	69.2	72.5	72.2	66.[illegible]	55.8	45.3	37.6	53.3
	S. D.	[illegible].338	8.601	8.324	8.476	7.063	5.536	4.462	4.146	6.623	8.658	9.391	8.533	16.022
	TOTAL OBS	2[illegible]3	231	251	241	237	226	231	237	22[illegible]	224	211	223	2785
	MEAN	[illegible]1.[illegible]	33.7	39.6	48.2	58.4	67.3	70.9	70.2	64.1	53.5	43.[illegible]	36.3	51.[illegible]
2	S. D.	[illegible].576	8.589	8.389	8.853	7.413	5.517	3.971	4.100	6.970	9.366	9.686	8.435	16.[illegible]94
	TOTAL OBS	248	226	248	238	231	212	222	221	210	217	20[illegible]	217	2698
	MEAN	31.5	34.1	40.4	48.7	58.9	67.3	70.9	70.4	64.7	54.0	44.0	36.6	51.9
ALL HOURS	S. D.	1[illegible].094	9.316	9.137	9.385	7.917	6.[illegible]87	5.021	5.050	7.150	9.504	10.283	8.785	16.293
	TOTAL OBS	2117	190[illegible]	2099	2017	2056	1976	2018	2048	1923	1909	1794	1868	23727

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13173	QUANTICO, VA	69-78
STATION	STATION NAME	YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	24.4	25.9	31.5	39.8	53.2	63.4	67.2	67.0	61.2	49.6	37.9	31.1	45.5
	S. D.	13.622	11.361	12.068	11.872	9.1[illegible]6	6.129	4.952	4.900	7.737	11.193	11.973	10.889	18.576
	TOTAL OBS	248	225	246	238	231	210	218	217	213	216	208	216	2683
	MEAN	23.4	24.9	30.7	38.8	52.2	62.1	66.0	65.4	60.2	48.1	37.6	30.4	45.1
	S. D.	13.777	11.595	12.261	12.054	9.216	6.629	5.421	5.343	7.896	11.403	11.970	10.982	18.582
	TOTAL OBS	248	225	248	239	245	238	245	247	210	239	208	217	2809
	MEAN	21.[illegible]	24.1	3[illegible].8	39.6	53.[illegible]	62.4	66.4	65.9	59.8	47.7	36.6	29.0	45.[illegible]
	S. D.	14.963	12.[illegible]60	12.227	11.336	9.36[illegible]	7.066	5.313	5.361	7.802	11.178	12.250	11.534	18.973
	TOTAL OBS	26[illegible]	226	249	247	281	281	282	287	278	257	231	237	3124
	MEAN	2[illegible].4	25.6	33.[illegible]	41.[illegible]	54.4	64.[illegible]	67.8	68.0	61.7	50.2	38.8	30.2	46.8
0	S. D.	13.929	12.093	12.360	11.479	10.137	7.276	5.911	5.674	7.940	11.052	12.407	11.865	19.140
	TOTAL OBS	289	262	290	276	290	282	286	292	279	259	247	259	3311
	MEAN	2[illegible].1	27.1	33.8	42.2	55.2	64.3	68.0	68.1	62.2	51.[illegible]	39.6	31.[illegible]6	47.6
1	S. D.	13.167	12.[illegible]31	12.679	12.189	10.1[illegible]2	7.439	6.654	6.086	8.183	11.070	12.728	11.555	18.798
	TOTAL OBS	289	263	292	279	298	282	285	293	279	260	249	258	3317
	MEAN	26.[illegible]	28.3	34.[illegible]	42.2	55.8	64.6	68.1	68.1	62.2	51.3	39.0	31.6	47.4
	S. D.	13.423	11.734	13.002	12.116	10.452	7.267	6.568	6.096	8.409	11.066	12.545	11.790	18.730
	TOTAL OBS	275	246	271	259	253	247	249	254	237	237	232	241	3001
	MEAN	25.[illegible]	27.5	32.5	41.3	55.2	65.2	69.0	69.0	63.0	52.0	39.6	31.7	47.4
	S. D.	13.674	11.648	12.896	12.483	9.919	6.971	5.803	5.507	7.843	10.881	12.314	11.857	19.066
	TOTAL OBS	2[illegible]3	231	251	241	237	226	231	237	220	224	211	223	2785
	MEAN	25.1	26.8	32.6	41.4	54.8	64.9	68.9	68.4	62.1	50.8	38.3	31.2	46.6
2	S. D.	13.522	11.532	12.167	12.118	9.269	6.371	4.686	4.852	7.770	10.998	11.666	11.279	18.876
	TOTAL OBS	248	226	248	238	231	212	222	221	210	217	208	217	2698
	MEAN	24.4	26.3	32.4	40.8	54.2	63.8	67.7	67.8	61.5	50.1	38.4	30.9	46.6
ALL HOURS	S. D.	13.809	11.920	12.505	11.993	9.796	7.017	5.820	5.644	8.010	11.179	12.272	11.5[illegible]3	18.860
	TOTAL OBS	2118	1904	2095	2017	2056	1978	2018	2048	1923	1909	1796	1868	23728



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13773	QUANTICO, VA	69-78	JAN
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	01	100.0	100.0	99.2	98.2	86.7	73.4	59.3	42.3	21.4	73.4	248
	04	100.0	100.0	99.6	96.4	85.9	72.6	60.1	43.1	24.2	74.1	248
	07	100.0	100.0	100.0	98.4	86.6	76.5	61.2	47.8	26.5	74.7	268
	10	100.0	100.0	98.6	88.6	77.9	61.9	48.6	33.9	15.9	67.8	289
	13	100.0	99.7	93.8	81.3	65.4	48.8	32.9	20.4	12.5	61.4	289
	16	100.0	99.6	93.8	78.9	61.8	46.9	30.9	22.5	12.0	60.1	275
	19	100.0	100.0	97.6	89.3	77.5	63.2	45.1	29.2	15.8	67.2	253
	22	100.0	100.0	98.0	91.5	83.5	71.0	56.0	34.3	17.7	71.0	248
TOTALS		100.0	99.9	97.6	89.5	78.1	64.3	48.8	34.2	18.3	68.7	2118

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1 773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (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	95.6	84.4	70.7	54.2	35.6	15.6	71.0	225
	04	100.0	100.0	100.0	96.0	85.3	73.3	57.3	38.2	18.7	72.4	225
	07	100.0	100.0	99.1	96.0	87.2	73.5	60.2	37.2	15.9	72.7	226
	10	100.0	100.0	96.5	90.1	72.9	51.9	35.5	21.8	12.2	63.5	262
	13	100.0	99.6	92.0	74.5	52.1	36.5	27.4	16.7	9.1	56.3	263
	16	100.0	98.0	91.1	68.3	46.7	32.1	24.0	15.9	9.8	54.3	246
	19	100.0	99.6	97.0	84.0	66.7	48.1	29.9	19.9	13.9	61.3	231
	22	100.0	100.0	98.2	91.6	81.7	61.9	41.6	26.5	12.8	67.2	226
TOTALS		100.0	99.7	97.0	87.0	72.0	56.0	41.3	26.5	13.5	64.8	1914

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13773 (STATION) QUANTICO, VA (STATION NAME) 69-78 (PERIOD) MAR (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	98.8	95.1	84.1	63.0	43.1	29.7	15.9	68.7	246
	04	100.0	100.0	98.4	95.2	85.[illegible]	67.7	50.8	33.9	17.7	70.6	248
	07	100.0	99.6	98.8	96.0	86.7	72.7	55.4	39.0	20.1	72.4	249
	10	100.0	99.7	96.6	86.2	67.6	50.3	32.5	24.1	14.8	63.0	290
	13	100.0	99.0	89.0	67.8	47.6	33.6	27.7	18.8	10.6	55.0	292
	16	100.0	97.0	83.8	66.4	40.2	29.9	23.6	18.1	11.0	52.4	271
	19	100.0	98.8	92.0	75.7	56.6	39.8	31.1	20.7	12.4	58.3	251
	22	100.0	100.0	98.4	90.7	75.4	56.9	39.1	27.0	16.5	66.0	248
TOTALS		100.0	99.3	94.5	84.1	68.[illegible]	51.7	38.0	26.4	14.8	63.3	2095

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

5?73 (STATION) | QUANTICO, VA (STATION NAME) | 65-78 (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	99.2	93.7	79.8	65.5	51.3	31.9	13.9	69.1	238
	04	100.0	100.0	98.7	95.0	88.7	74.9	58.2	39.3	15.9	73.0	279
	07	100.0	100.0	98.8	97.2	89.5	76.5	59.1	38.9	18.2	73.7	247
	10	100.0	99.3	95.3	80.8	60.1	36.6	21.7	15.9	8.7	57.2	276
	13	100.0	97.8	85.3	64.9	38.7	24.4	17.9	11.5	6.8	50.3	279
	16	99.6	95.4	79.9	54.1	37.1	23.6	16.2	10.8	5.8	47.8	259
	19	100.0	97.1	87.1	68.9	51.9	33.6	19.5	10.8	5.4	53.6	241
	22	100.0	99.2	95.4	88.2	76.9	60.5	38.2	20.6	8.0	64.4	238
TOTALS		100.0	98.6	92.5	80.4	65.3	49.5	35.3	22.5	10.3	61.1	2017

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

[illegible]73	QUANTICO, VA	69-78	MAY
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%		
MAY	[illegible]	100.0	100.0	100.0	99.6	96.1	88.3	76.3	56.3	31.6	80.6	231
	[illegible]	100.0	100.0	100.0	100.0	96.3	92.2	84.1	66.5	38.4	83.7	249
	[illegible]	100.0	100.0	100.0	98.9	98.2	93.4	75.8	54.1	21.4	79.9	281
	[illegible]	100.0	100.0	99.0	94.1	78.3	63.8	39.7	21.7	10.0	66.3	299
	[illegible]	100.0	99.7	97.6	84.0	62.5	41.0	26.7	14.9	5.6	58.4	358
	[illegible]	100.0	99.6	94.5	79.4	62.8	41.5	28.1	17.4	5.5	58.3	253
	[illegible]	100.0	100.0	98.3	89.0	74.3	59.1	37.6	23.2	7.2	64.6	227
	[illegible]	100.0	100.0	99.6	99.1	93.5	81.8	64.5	44.6	20.3	76.[illegible]	231
TOTALS		100.0	99.9	98.6	93.[illegible]	82.8	69.8	54.0	37.3	17.5	71.0	2056

OCEANAV-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible], VA	69-78	JUN

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	100.0	96.2	87.6	68.1	30.0	83.9	210
	04	100.0	100.0	100.0	100.0	100.0	97.1	89.5	78.2	37.8	86.0	214
	07	100.0	100.0	100.0	100.0	98.6	95.4	85.1	63.7	18.9	81.6	251
	10	100.0	100.0	100.0	98.9	89.0	74.6	45.7	17.4	3.2	68.2	282
	13	100.0	100.0	100.0	92.9	71.6	43.3	19.5	8.9	3.2	59.3	282
	16	100.0	100.0	98.8	92.3	68.8	40.5	20.6	12.1	4.9	59.5	247
	19	100.0	100.0	100.0	99.1	89.4	70.4	44.7	18.1	5.8	68.3	226
	22	100.0	100.0	100.0	100.0	99.1	93.4	78.8	53.3	21.7	80.1	212
TOTALS		100.0	100.0	99.9	97.9	89.6	76.4	58.9	40.0	15.6	73.4	1978



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible], VA	69-78	JUL

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	1	100.0	100.0	100.0	100.0	99.5	97.2	56.7	46.[illegible]	14.2	83.9	213
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.4	57.2	77.1	39.[illegible]	86.3	245
	[illegible]	100.0	100.0	100.0	100.0	100.0	97.9	67.2	66.7	19.1	82.6	262
	[illegible]	100.0	100.0	100.0	99.7	93.7	73.1	43.7	14.3	2.9	68.5	[illegible]
	[illegible]	100.0	100.0	100.0	96.1	73.7	40.7	15.[illegible]	7.4	2.8	59.2	2[illegible]
	[illegible]	100.0	100.0	100.0	92.0	67.[illegible]	39.8	17.3	9.2	2.[illegible]	58.8	248
	[illegible]	100.0	100.0	100.0	99.1	92.2	74.9	46.3	22.1	[illegible].1	7[illegible].0	271
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.0	61.5	61.3	27.5	81.9	222
TOTALS		100.0	100.0	100.0	[illegible]8.4	90.9	77.1	50.8	4[illegible].6	17.2	73.9	2018

OCEANAV–SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

[illegible] QUANTICO, VA 69-78 AUG
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%		
[illegible]	[illegible]	100.0	100.0	100.0	99.5	99.5	98.6	95.4	81.6	39.2	86.7	217
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.8	98.4	85.4	47.4	88.5	247
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	96.5	81.5	26.8	86.3	297
	[illegible]	100.0	100.0	100.0	99.7	97.3	78.4	49.3	21.9	3.8	70.4	292
	[illegible]	100.0	100.0	100.0	97.6	79.2	44.7	17.1	5.5	2.4	60.3	293
	[illegible]	100.0	100.0	99.6	94.5	74.4	42.5	18.9	8.7	3.9	59.9	294
	[illegible]	100.0	100.0	100.0	99.6	94.9	84.4	59.1	24.9	8.9	71.0	237
	[illegible]	100.0	100.0	100.0	99.5	99.1	96.8	88.2	66.1	29.5	83.5	221
TOTALS		100.0	100.0	100.0	98.8	93.1	81.5	65.4	47.0	20.1	76.1	2,148

OCEANAV–SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	QUANTICO, VA	69-78	SEP

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	99.0	98.1	94.8	73.3	37.6	85.6	210
	04	100.0	100.0	100.0	100.0	99.5	98.6	94.8	80.5	40.0	86.8	210
	07	100.0	100.0	100.0	100.0	100.0	99.6	96.8	78.4	34.2	86.8	278
	10	100.0	100.0	100.0	99.6	95.0	79.6	53.0	23.3	6.5	71.4	279
	13	100.0	100.0	100.0	96.4	78.9	52.7	20.8	9.3	5.0	61.7	279
	16	100.0	100.0	100.0	94.1	75.5	48.9	20.7	12.2	4.6	61.3	237
	19	100.0	100.0	100.0	99.5	98.2	88.6	70.5	32.7	12.3	75.7	220
	22	100.0	100.0	100.0	100.0	98.6	96.7	88.1	64.3	25.2	83.1	210
TOTALS		100.0	100.0	100.0	98.7	93.1	82.9	67.4	46.8	20.7	76.6	1923



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13773	QUANTICO, VA	52-77	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	99.5	97.7	94.9	86.1	70.4	38.4	84.4	216
	04	100.0	100.0	100.0	100.0	99.6	96.2	89.1	73.2	44.8	85.6	239
	07	100.0	100.0	100.0	100.0	99.2	95.3	87.2	71.2	44.0	85.6	257
	10	100.0	100.0	100.0	98.1	88.0	72.6	52.9	32.0	13.5	71.5	259
	13	100.0	100.0	98.5	90.4	69.6	47.3	30.4	17.3	8.1	61.7	260
	16	100.0	100.0	96.6	88.2	70.5	45.1	22.4	13.5	5.9	59.6	237
	19	100.0	100.0	100.0	97.8	93.8	85.3	72.3	42.9	11.6	75.9	224
	22	100.0	100.0	100.0	99.5	95.4	91.2	85.7	62.2	28.1	82.1	217
TOTALS		100.0	100.0	99.4	96.7	89.2	78.5	65.8	47.8	24.3	75.8	1909

OCEANAV-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13773	QUANTICO, VA	69-77	NOV
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%		
NOV	01	100.0	100.0	100.0	99.0	92.8	83.2	70.7	50.0	23.1	77.2	208
	04	100.0	100.0	100.0	99.5	97.6	89.4	75.0	60.1	29.3	81.9	208
	07	100.0	100.0	100.0	99.6	96.5	89.2	77.5	58.4	33.3	81.5	231
	10	100.0	100.0	100.0	96.0	82.2	62.3	45.3	27.5	15.0	68.9	247
	13	100.0	100.0	97.6	85.9	62.7	39.4	26.9	18.1	9.6	59.7	249
	16	100.0	100.0	95.7	81.5	59.5	35.3	23.3	13.4	6.9	57.2	232
	19	99.5	99.5	99.5	96.2	87.2	70.6	48.8	28.9	10.4	69.5	211
	22	100.0	100.0	100.0	98.1	90.4	76.9	62.0	39.9	17.8	73.9	208
TOTALS		99.9	99.9	99.1	94.5	83.4	68.3	53.6	37.0	18.2	71.1	1774

OCEANAV-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13773	QUANTICO, VA	69-77	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	94.4	83.3	65.3	46.1	27.3	77.1	216
	04	100.0	100.0	100.0	99.5	95.4	84.8	68.2	53.5	27.2	78.3	217
	07	100.0	100.0	100.0	99.2	95.8	81.4	70.9	53.2	25.3	78.2	237
	10	100.0	99.6	99.6	96.1	86.5	67.2	53.7	35.5	20.9	71.4	259
	13	100.0	99.6	98.8	86.8	68.2	51.2	36.8	25.6	17.1	64.3	256
	16	100.0	100.0	97.5	84.2	66.0	46.9	36.5	26.1	15.4	63.0	241
	19	100.0	99.6	99.1	98.6	84.8	70.9	50.2	30.9	19.3	70.7	223
	22	100.0	100.0	99.5	96.8	89.4	75.6	58.5	41.5	23.0	74.3	217
TOTALS		100.0	99.9	99.3	94.4	85.1	70.2	55.0	39.3	21.9	72.2	1668

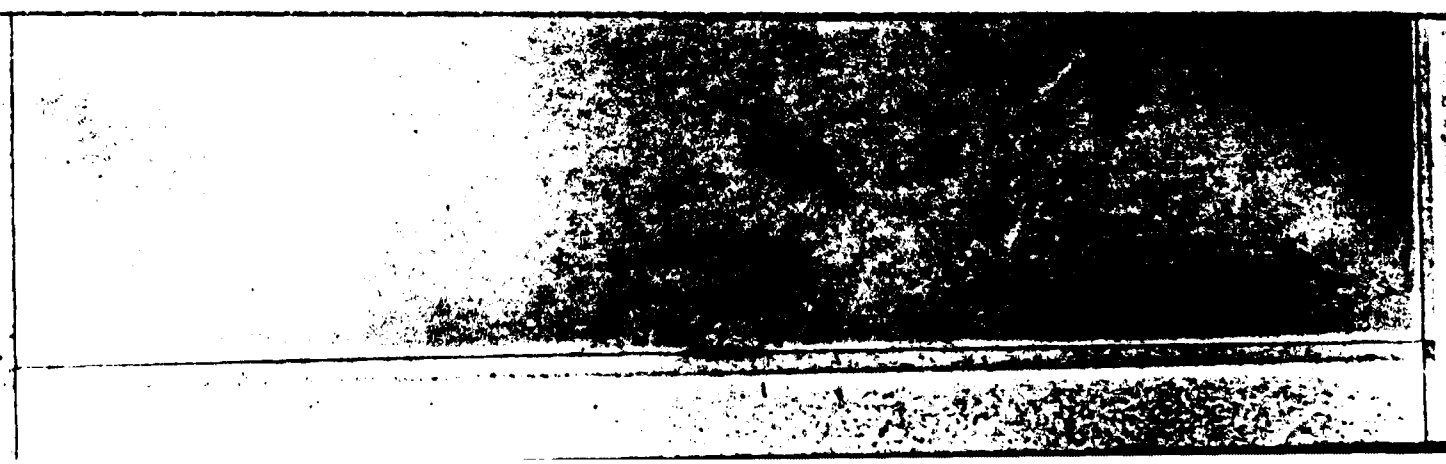
NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

17773	QUANTICO, VA	69-78	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	99.9	97.6	89.5	78.1	64.3	48.8	34.2	18.3	68.7	2118
FEB		100.0	99.7	97.0	87.0	72.0	56.0	41.3	26.5	13.5	64.8	1904
MAR		100.0	99.3	94.5	84.1	68.0	51.7	38.0	26.4	14.8	63.3	2095
APR		100.0	98.6	92.5	80.4	65.3	49.5	35.3	22.5	10.3	61.1	2017
MAY		100.0	99.9	98.6	93.0	82.6	69.8	54.0	37.3	17.5	71.0	2056
JUN		100.0	100.0	99.9	97.9	89.6	76.4	58.9	40.0	15.6	73.4	1978
JUL		100.0	100.0	100.0	98.4	90.9	77.1	59.8	40.6	17.2	73.9	2018
AUG		100.0	100.0	100.0	98.8	93.1	80.5	65.4	47.0	20.1	76.1	2048
SEP		100.0	100.0	100.0	98.7	93.1	82.9	67.4	46.8	20.7	76.6	1923
OCT		100.0	100.0	99.4	96.7	87.2	78.5	65.8	47.8	24.3	75.8	1909
NOV		99.9	99.9	99.1	94.5	83.6	68.3	53.6	37.0	18.2	71.1	1794
DEC		100.0	99.9	99.3	94.9	85.1	70.2	55.0	39.3	21.9	72.2	1868
TOTALS		100.0	99.9	98.2	92.8	82.6	68.8	53.5	37.1	17.7	70.7	23728



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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13773 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) JANUARY (MONTH) 8 (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 -										1	.1
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						100.0				2	.2
67 TO 71						66.7	16.7	16.7		6	.5
62 TO 66		12.5			37.5	25.0	25.0			8	.4
57 TO 61	7.1	10.7	3.6	3.6	17.9	14.3	7.1	17.9	17.9	28	1.5
52 TO 56	9.6	7.7	1.9	1.9	32.7	15.4	9.6	5.8	15.4	52	2.8
47 TO 51	17.2	8.1	2.0	3.0	16.2	13.1	12.1	9.1	19.2	99	5.3
42 TO 46	18.6	6.4	3.0	3.8	17.8	8.9	9.7	14.0	17.8	236	12.6
37 TO 41	19.8	5.9	5.9	3.1	15.7	6.2	5.6	13.3	24.7	324	17.3
32 TO 36	17.7	3.7	4.2	7.5	15.5	3.2	7.2	16.5	24.4	401	21.5
27 TO 31	18.5	2.6	3.5	3.8	10.5	5.1	7.3	22.7	25.9	313	16.7
22 TO 26	27.9	2.5	1.5	2.5	6.4	3.4	10.3	28.4	17.2	204	10.9
17 TO 21	22.1	1.6			2.5	2.5	18.0	33.6	19.7	122	6.5
12 TO 16	17.1					9.8	7.3	48.8	17.1	41	2.2
7 TO 11	11.1					11.1	5.6	50.0	22.2	18	1.0
2 TO 6							13.2	36.4	45.5	11	.6
-3 TO 1								100.0		1	.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	18.9	4.3	3.3	3.8	13.1	6.5	8.8	19.5	21.8	1869	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible]73 / STATION — Q[illegible]NTICO, VA / STATION NAME — JANUA[illegible]Y 1969-SEPTEMBER 197[illegible] / YEARS — FEBRUARY / MONTH — 6 / 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											
77 TO 81						50.0	50.0			[illegible]	.1
72 TO 76					28.6	42.9	14.3	14.3		7	.4
67 TO 71					19.0	57.1	9.5	9.5	4.8	21	1.3
62 TO 66					32.0	36.0	24.0	4.0	4.0	25	1.5
57 TO 61	4.5		1.5	4.5	41.8	26.9	6.0	9.0	6.0	67	4.0
52 TO 56	4.7	7.5	5.7	5.7	24.5	21.7	10.4	12.3	7.5	106	6.3
47 TO 51	10.9	6.5	2.9	4.3	23.2	6.5	12.3	16.7	16.7	138	8.2
42 TO 46	15.2	7.6	8.9	5.5	16.5	6.3	8.4	17.7	13.9	237	14.1
37 TO 41	21.7	8.3	6.1	4.5	11.2	6.1	7.0	17.9	17.3	313	18.7
32 TO 36	25.4	8.4	4.3	2.6	10.1	3.8	6.9	22.5	15.9	346	20.6
27 TO 31	22.1	6.2	4.4	.9	5.8	2.7	6.2	31.0	20.8	226	13.5
22 TO 26	18.8	5.1	2.6	.9	7.7	2.6	8.5	31.6	22.2	117	7.0
17 TO 21	25.5	2.1		6.4	2.1	4.3	14.9	38.3	6.4	47	2.8
12 TO 16	16.7						22.2	44.4	16.7	18	1.1
7 TO 11							20.0	60.0	20.0	5	.3
2 TO 6								100.0		1	.1
-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	18.0	6.6	4.7	3.4	13.8	7.9	8.6	21.4	15.5	1676	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13273 (STATION) | QUANTICO, VA (STATION NAME) | JANUARY 1969-SEPTEMBER 197 (YEARS) | MARCH (MONTH) | 8 (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						100.0				1	.1
77 TO 81					28.6	42.9	14.3	14.3		7	.4
72 TO 76				12.4	38.5	30.8	15.4			13	.7
67 TO 71	4.7	4.7	4.7	7.0	39.5	20.9	9.3	9.3		43	2.3
62 TO 66	5.9	4.7	5.9	5.9	29.4	18.8	10.6	12.9	5.9	85	4.6
57 TO 61	14.9	7.5	1.5	8.2	32.1	6.7	7.5	9.[illegible]	12.7	134	7.2
52 TO 56	14.6	5.7	5.3	17.9	24.0	4.6	6.1	11.[illegible]	10.6	263	14.2
47 TO 51	14.5	12.6	9.7	10.7	17.6	2.8	7.2	11.9	12.9	318	17.2
42 TO 46	17.4	11.6	8.1	5.9	12.1	1.6	7.8	2 .2	15.3	321	17.4
37 TO 41	22.6	7.5	4.7	6.9	9.4	3.1	6.3	23.6	15.7	318	17.2
32 TO 36	28.3	9.3	1.8	1.3	5.3	.4	5.8	35.[illegible]	12.8	226	12.2
27 TO 31	24.7	2.1	2.1			4.1	13.3	33.[illegible]	23.7	97	5.2
22 TO 26	9.5						4.8	71.4	14.3	21	1.1
17 TO 21								100.0		1	.1
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	17.8	8.4	5.5	7.9	15.8	4.5	7.2	19.6	13.3	1849	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible]73 | QUANTICO, VA | JANUARY 1969-SEPTEMBER 197[illegible] | APRIL | F

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						100.0				[illegible]	.1
87 TO 91				9.1	63.6	27.3				11	.6
82 TO 86	5.3			15.8	47.4	21.1	5.3	5.3		19	1.1
77 TO 81	3.9	2.0	3.9	7.8	41.2	21.6	9.8	9.8		51	2.9
72 TO 76	5.7	1.1	2.3	13.6	38.6	20.5	8.0	6.8	3.4	88	5.[illegible]
67 TO 71	6.5	1.8	4.2	6.5	28.6	16.1	10.1	17.3	8.9	168	9.5
62 TO 66	7.3	7.3	5.6	7.3	27.6	7.3	9.1	13.8	14.7	232	13.1
57 TO 61	12.0	6.5	7.6	8.7	21.0	5.1	9.1	17.4	12.7	276	15.5
52 TO 56	18.2	11.1	7.5	10.1	13.0	4.2	6.5	19.5	9.8	3[illegible]7	17.3
47 TO 51	24.4	6.3	6.3	4.4	11.1	3.7	7.8	27.[illegible]	8.9	27[illegible]	15.2
42 TO 46	13.8	5.9	3.7	3.2	3.2	1.1	9.0	45.7	14.4	188	10.6
37 TO 41	22.5	2.7			1.8	2.7	5.4	55.9	9.[illegible]	111	6.2
32 TO 36	28.3			1.9	1.9		7.5	39.6	2[illegible].8	53	3.0
27 TO 31								50.0		[illegible]	.1
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	14.5	5.9	5.2	6.9	18.0	6.9	8.1	23.9	10.6	1777	100.0

NAVWEASERVCOM



4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17773 (STATION) QUANTICO, VA (STATION NAME) JANUARY 1969-SEPTEMBER 197 (YEARS) MAY (MONTH) 8 (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						25.0	25.0	50.0		4	.2
87 TO 91	6.3	12.5		6.3	37.5	12.5	12.5	12.5		16	.9
82 TO 86	7.4		9.3	7.4	50.0	5.6	11.1	7.4	1.9	54	3.[illegible]
77 TO 81	5.3	3.3	5.3	9.2	46.7	11.2	8.6	5.9	4.6	152	8.4
72 TO 76	9.4	5.5	4.3	14.1	30.5	14.8	4.3	10.2	7.0	256	14.2
67 TO 71	8.6	8.6	5.9	12.4	28.3	10.0	5.0	9.4	11.8	339	18.8
62 TO 66	11.2	4.9	8.7	10.9	23.0	5.5	4.6	15.6	15.6	366	20.2
57 TO 61	13.7	8.4	9.9	5.7	15.2	4.2	5.3	23.2	14.4	263	14.5
52 TO 56	20.0	9.8	6.7	8.0	4.9	1.3	6.7	27.1	15.6	225	12.4
47 TO 51	18.5	1.2	3.7		2.5		14.8	46.9	12.3	81	4.5
42 TO 46	7.1			2.4		2.4	14.3	61.9	11.9	42	2.3
37 TO 41							12.5	87.5		8	.4
32 TO 36								100.0		2	.1
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	11.4	6.3	6.6	9.5	23.0	7.2	6.4	18.1	11.7	1808	100.0

NAVWEASERVCOM



4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible]73 / STATION — [illegible]ANTICO, VA / STATION NAME — JANUARY 1969-SEPTEMBER 197 / YEARS — JUNE / MONTH — 8 / 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	[illegible].8			6.3	25.0	18.8	12.5	18.8		1[illegible]	.9
87 TO 91	9.7	2.6	4.3	5.2	47.8	14.8	7.8	6.1	2.6	11[illegible]	6.6
82 TO 86	[illegible].0	2.6	2.6	11.9	46.[illegible]	12.3	6.0	9.8	5.1	23[illegible]	13.5
77 TO 81	5.7	3.5	9.9	11.8	39.2	9.9	3.5	8.9	7.6	314	18.1
72 TO 76	11.1	3.3	8.5	7.6	30.6	12.6	3.8	8.5	14.0	422	24.3
67 TO 71	12.1	7.0	5.6	5.4	17.2	8.7	5.6	19.7	18.6	358	20.4
62 TO 66	13.2	6.[illegible]	9.0	1.1	10.6	4.2	6.3	25.4	23.3	189	10.9
57 TO 61	23.7	7.9	5.3		3.9		3.9	39.5	15.8	76	4.4
52 TO 56							21.4	57.1	21.4	14	.8
47 TO 51								100.0		[illegible]	.1
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	9.8	4.5	6.8	7.2	29.1	9.9	5.2	14.7	12.8	1738	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] STATION | [illegible] STATION NAME | JANUARY 1969-SEPTEMBER 197[illegible] YEARS | JULY MONTH | [illegible] 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
92 TO 96	7.0		5.3		44.7	7.9	1[illegible].5	21.1	2.6	3[illegible]	2.1
87 TO 91	7.4	1.1	6.8	10.0	50.0	9.5	4.7	8.4	2.1	19[illegible]	10.7
82 TO 86	10.[illegible]	4.0	4.4	10.0	37.7	9.[illegible]	6.5	1[illegible].0	5.1	321	18.1
77 TO 81	7.9	4.0	6.3	9.6	27.1	12.1	7.4	9.9	13.7	365	21.6
72 TO 76	8.5	3.1	7.1	5.3	18.9	11.8	9.3	17.3	18.7	5[illegible]	28.7
67 TO 71	17.6	2.0	5.9	.8	6.3	7.8	9.[illegible]	35.2	15.6	256	14.5
62 TO 66	14.1	1.3				1.3	[illegible].4	6[illegible].3	16.7	7[illegible]	4.4
57 TO 61	7.7							[illegible].3		1[illegible]	.7
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	[illegible].1	3.3	5.8	6.[illegible]	[illegible].1	9.9	7.7	18.6	12.9	1770	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

___ STATION ___ STATION NAME ___ YEARS ___ MONTH ___ 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	9.4		3.1	25.	21.9		15.6	21.9	3.1	32	1.8
87 TO 91	4.3	1.6	3.1	6.7	52.6	9.2	8.6	9.8	3.7	187	9.1
82 TO 86	9.4	6.7	6.4	10.4	33.8	6.4	8.0	10.7	9.4	299	16.6
77 TO 81	11.3	7.0	7.8	10.5	24.2	9.4	6.5	6.7	14.7	372	20.7
72 TO 76	.6	6.8	7.8	3.4	11.4	13.	6.2	19.4	22.4	5 0	17.8
67 TO 71	0.2	5.0	2.6	.7	2.6	4.6	5.3	33.1	25.8	2 2	16.5
62 TO 66	2.3	1.1				1.1	2.1	68.1	5.3	94	5.2
57 TO 61	24.2							72.7	3.	33	1.8
52 TO 56	25.0							75.		4	.2
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	12.0	5.5	5.6	6.0	19.4	8.3	6.4	20.5	16.3	1799	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] STATION | [illegible] ATLANTICO, VI STATION NAME | JANUARY 1969-SEPTEMBER 197[illegible] YEARS | SEPTEMBER MONTH | [illegible] 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					3.3				6.7	[illegible]	.2
87 TO 91	3.[illegible]			11.[illegible]	60.8	5.9	5.9	5.9	[illegible].9	51	3.0
82 TO 86	[illegible].1	.[illegible]	4.3	[illegible].9	55.6	7.7	6.[illegible]	4.3	7.7	117	7.[illegible]
77 TO 81	6.[illegible]	3.[illegible]	6.8	11.[illegible]	42.3	1[illegible].[illegible]	2.3	6.4	9.5	22[illegible]	13.1
72 TO 76	17.[illegible]	5.0	6.7	6.9	2[illegible].1	13.6	4.7	9.4	17.8	36	21.4
67 TO 71	16.0	8.9	10.[illegible]	3.[illegible]	16.5	6.4	5.7	14.3	18.[illegible]	4[illegible]5	24.1
62 TO 66	19.0	9.9	13.2	1.1	5.5	1.5	4.[illegible]	29.8	16.9	272	16.2
57 TO 61	29.0	7.6	2.1	.7	1.4	2.1	1.4	46.2	9.7	14[illegible]	8.6
52 TO 56	15.1	1.4					2.7	68.5	12.3	73	4.3
47 TO 51	10.[illegible]					6.[illegible]	6.9	69.[illegible]	6.9	29	1.7
42 TO 46								30.0		[illegible]	.[illegible]
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	14.[illegible]	6.1	7.[illegible]	5.1	21.2	7.1	4.3	20.2	14.4	1683	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] STATION | [illegible]TICO, VA STATION NAME | JANUA Y 1969-SEPTEMBEP 197 YEARS | [illegible]CTOBE[illegible] MONTH | [illegible] 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	10.0				20.0	50.0	10.0	10.0		10	.6
77 TO 81	9.8	2.9	5.9	2.9	35.3	5.9	8.8	14.7	14.7	34	2.0
72 TO 76	8.6	5.7	11.4	3.8	41.0	9.5	3.8	3.8	12.4	105	6.3
67 TO 71	10.4	8.2	11.8	9.[illegible]	27.2	7.5	2.5	5.7	17.6	279	16.8
62 TO 66	11.4	11.4	9.3	7.2	19.[illegible]	6.6	2.4	12.7	19.9	332	20.0
57 TO 61	17.0	13.1	7.3	5.2	8.7	3.5	3.1	24.2	18.[illegible]	289	17.4
52 TO 56	23.9	9.3	11.1	1.3	3.5	2.7	3.1	32.7	12.4	226	13.6
47 TO 51	21.9	3.2	2.1	1.1	4.8	3.2	2.1	47.1	14.4	187	11.3
42 TO 46	29.0	3.7	.9	.9	.9	2.8	8.4	43.9	9.3	107	6.4
37 TO 41	20.0		2.0				2.0	64.0	2.0	50	3.0
32 TO 36	15.2					6.1		72.7	6.1	33	2.0
27 TO 31	20.0						10.0	70.0		10	.6
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	16.6	8.2	7.8	4.5	14.4	5.2	3.2	24.7	15.2	1662	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1[illegible]3 | QUANTICO, VA | JANUARY 1969-SEPTEMBER 197[illegible] | NOVEMBER | 0
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						0.0	50.0			[illegible]	.7
77 TO 81	[illegible].6				33.3	38.9	5.6	5.6	11.1	1[illegible]	1.2
72 TO 76	3.[illegible]	3.8	3.8	3.8	26.9	26.9	15.4	7.7	7.7	2[illegible]	1.7
67 TO 71	10.3	6.[illegible]	3.4	1.7	39.7	25.9	6.9	1.7	3.4	58	3.7
62 TO 66	14.3	11.0	5.5	5.5	22.0	16.5	7.7	4.4	13.2	91	5.9
57 TO 61	15.6	8.8	4.9	8.8	22.0	7.8	3.9	13.2	15.1	2[illegible]	13.2
52 TO 56	[illegible]1.0	3.3	6.7	4.8	17.6	6.2	7.6	15.2	17.6	21[illegible]	13.5
47 TO 51	19.9	2.6	.7	3.7	20.6	4.4	6.3	22.1	19.9	272	17.5
42 TO 46	23.3	3.[illegible]	1.2	2.7	9.7	5.1	6.6	29.6	17.9	257	16.5
37 TO 41	17.5	3.1	2.1		9.8	4.1	8.8	39.2	15.5	194	12.5
32 TO 36	20.9	3.1	1.6	1.6	5.4	5.4	3.9	46.5	11.6	129	8.[illegible]
27 TO 31	13.9					4.2	6.9	55.6	19.4	72	4.6
22 TO 26	8.3	8.3						66.7	16.7	12	.8
17 TO 21	20.0						20.0	40.0	20.0	5	.3
12 TO 16								100.0		1	.1
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	12.3	4.4	2.8	3.[illegible]	15.8	7.6	6.7	25.1	16.[illegible]	1554	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible]73 (STATION) [illegible]TICO, VA (STATION NAME) JUNE Y 1969-SEPTEMBER 197 (YEARS) DECEMBER (MONTH) 8 (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											
77 TO 81											
72 TO 76	[illegible]3.3						[illegible]3.3	33.3		[illegible]	[illegible]
67 TO 71		6.7			[illegible]6.7	40.0	13.3	13.3		[illegible]	[illegible]
62 TO 66	3.7		3.7		18.5	48.1	[illegible]8.5	7.4		27	1.7
57 TO 61	[illegible]0.9	4.3	2.2		19.2	34.8	[illegible]0.9	13.0	8.7	46	2.8
52 TO 56	[illegible]1.7	1.4		4.3	18.8	18.8	1.4	11.6	21.7	69	4.3
47 TO 51	16.2	4.8	7.2	1.8	[illegible]4.[illegible]	10.8	2.4	[illegible]5.2	22.8	167	[illegible]0.3
42 TO 46	21.3	8.7	4.0	2.2	17.[illegible]	3.2	6.1	17.3	[illegible]2	277	17.1
37 TO 41	17.8	7.8	5.4	3.9	16.0	5.4	3.9	19.1	[illegible]0.7	387	23.9
32 TO 36	24.6	3.9	3.3	[illegible]2.6	7.5	2.9	4.2	33.6	17.3	[illegible]07	18.9
27 TO 31	[illegible]6.0	2.6	.9	2.2	6.9	3.5	6.9	38.1	13.[illegible]	231	14.3
22 TO 26	[illegible]5.5	2.8	1.4		2.8	4.2	8.5	46.5	18.3	71	4.4
17 TO 21		[illegible]5.9			11.8	5.9	11.8	52.9	11.8	17	[illegible]1.0
12 TO 16	[illegible]5.0							[illegible]0.0	25.0	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	20.0	5.4	3.6	2.5	13.6	7.2	5.4	24.2	18.0	1621	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

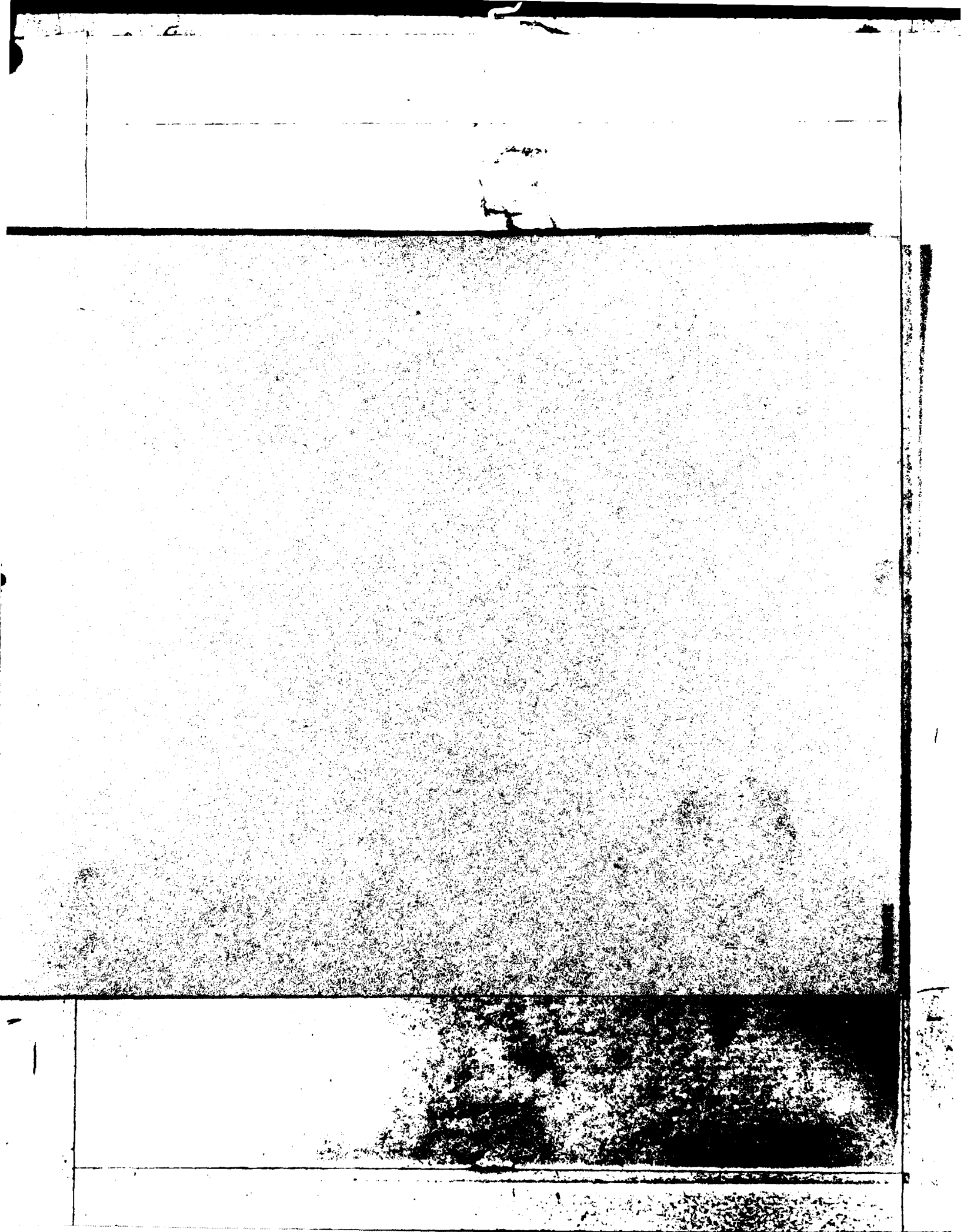
13773 | QUANTICO, VA | JANUARY 1969-SEPTEMBER 197 | ALL | 8

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 -										1	.0
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0					1	.0
92 TO 96	9.6		3.2	9.6	30.9	8.5	12.8	21.3	4.3	94	.5
87 TO 91	6.2	1.8	4.2	8.1	51.3	10.6	6.8	8.1	2.9	546	2.6
82 TO 86	7.3	3.8	4.6	10.2	41.0	9.6	7.2	9.2	7.2	1061	5.1
77 TO 81	7.7	4.8	7.2	10.2	33.7	11.3	5.9	8.1	11.1	1535	7.4
72 TO 76	9.8	4.5	7.0	6.8	23.3	13.6	6.2	12.9	16.[illegible]	2292	11.0
67 TO 71	13.0	6.4	6.7	5.3	18.7	9.7	6.1	18.[illegible]	16.2	2247	10.8
62 TO 66	12.3	7.2	7.8	5.3	17.1	7.1	5.8	21.6	15.7	1799	8.6
57 TO 61	15.8	8.1	5.7	5.6	16.3	6.4	5.2	23.4	13.5	1575	7.6
52 TO 56	17.8	7.3	6.3	7.7	13.9	5.9	6.2	22.[illegible]	13.0	1549	7.4
47 TO 51	18.2	6.1	4.8	4.5	15.4	5.1	7.2	23.5	15.2	1563	7.5
42 TO 46	18.8	7.1	4.5	3.7	11.9	4.1	8.0	25.8	16.0	1673	8.0
37 TO 41	20.4	6.3	4.6	3.6	11.7	4.8	5.9	24.9	17.9	1705	8.2
32 TO 36	23.1	5.4	3.2	3.5	9.4	3.0	5.9	28.9	17.6	1497	7.2
27 TO 31	21.3	3.2	2.6	2.0	6.5	3.9	7.3	32.7	20.5	951	4.6
22 TO 26	21.9	3.3	1.6	1.4	5.6	3.1	8.9	35.5	18.6	425	2.0
17 TO 21	20.8	2.1		1.6	3.1	3.1	16.7	37.[illegible]	15.6	192	.9
12 TO 16	17.2					6.3	10.9	48.4	17.2	64	.3
7 TO 11	8.7					2.7	8.7	52.2	21.7	23	.1
2 TO 6							16.7	41.7	41.7	12	.1
-3 TO 1								100.0		1	.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	[illegible].1	5.7	5.5	5.6	18.6	7.3	6.5	20.8	14.9	20806	100.0

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ICCD, Federal Building
sheville, N. C.

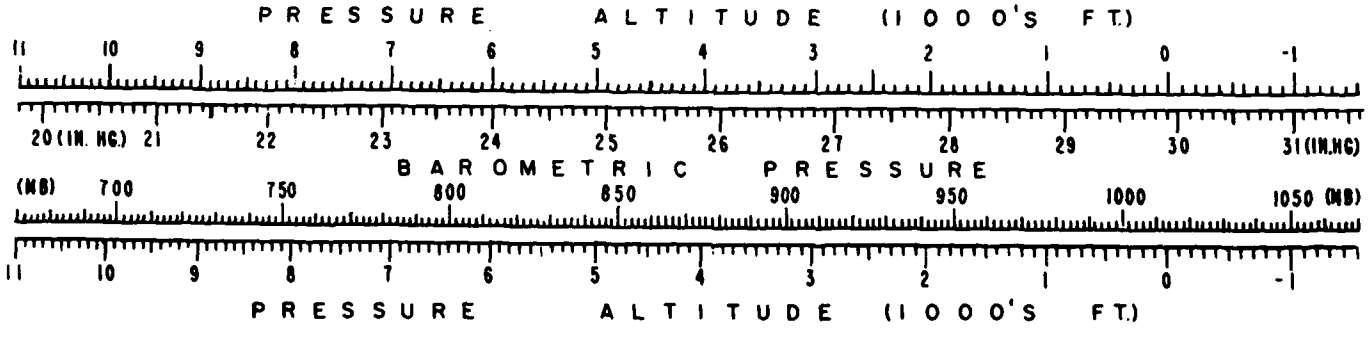
PART F PRESSURE SUMMARY

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.



F

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1[illegible]73 (STATION) Q[illegible]NTICO, VA (STATION NAME) 6[illegible]-78 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	1019.4	1017.7	1015.8	1015.8	1015.4	1014.6	1015.9	1016.9	1018.6	1020.5	1019.4	1018.6	1017.3
	S. D.	.089	9.235	9.295	7.482	5.483	5.610	4.329	4.[illegible]55	5.034	7.055	8.231	8.750	7.256
	TOTAL OBS	248	226	246	238	231	210	218	217	210	217	208	217	2686
	MEAN	1019.5	1017.6	1015.5	1015.6	1015.1	1014.7	1015.4	1016.9	1018.3	1020.1	1018.3	1018.7	1017.1
	S. D.	8.102	9.141	8.518	7.698	5.677	5.567	4.520	4.150	5.179	7.244	8.355	8.844	7.306
	TOTAL OBS	248	226	248	239	246	239	245	247	210	239	208	217	2812
	MEAN	1019.7	1019.3	1016.4	1016.5	1016.3	1015.6	1016.5	1017.9	1018.9	1020.6	1018.7	1019.0	1017.8
	S. D.	.398	9.170	8.719	8.021	5.799	5.622	4.544	4.[illegible]93	5.399	7.464	8.319	9.275	7.316
	TOTAL OBS	268	229	250	247	281	281	282	287	278	257	231	237	3128
	MEAN	1020.8	1019.2	1017.1	1016.8	1016.4	1015.8	1016.8	1018.3	1019.3	1021.2	1019.6	1019.8	1018.4
	S. D.	8.971	9.222	9.013	8.324	5.848	5.658	4.589	4.119	5.499	7.529	8.393	9.379	7.584
	TOTAL OBS	289	262	291	276	290	282	286	292	279	259	247	259	3312
	MEAN	1018.8	1017.6	1015.6	1015.4	1015.3	1015.0	1016.1	1017.4	1018.1	1019.8	1017.8	1017.8	1017.0
1	S. D.	8.761	9.189	8.937	8.080	5.778	5.527	4.626	4.015	5.416	7.403	8.201	9.259	7.426
	TOTAL OBS	289	264	292	279	288	283	285	293	279	260	249	258	3319
	MEAN	1018.3	1016.4	1014.0	1014.0	1013.9	1014.1	1014.9	1016.1	1017.1	1019.2	1017.1	1017.6	1016.0
	S. D.	8.310	9.220	8.680	7.735	5.526	5.503	4.684	4.024	5.310	7.199	8.006	8.834	7.354
	TOTAL OBS	275	246	271	259	253	247	249	254	237	237	232	241	3101
	MEAN	1019.6	1017.3	1014.9	1014.4	1014.3	1013.9	1015.2	1016.3	1017.7	1020.1	1018.0	1018.7	1016.7
	S. D.	7.959	9.[illegible]34	8.165	7.341	5.278	5.407	4.397	3.902	5.065	7.024	7.963	8.435	7.179
	TOTAL OBS	273	231	251	241	237	226	231	237	220	224	211	223	2785
	MEAN	1020.0	1017.7	1015.8	1015.7	1015.4	1014.8	1016.0	1017.1	1018.6	1020.8	1018.5	1018.9	1017.4
2	S. D.	7.890	9.162	8.131	7.231	5.253	5.462	4.267	4.[illegible]03	5.011	7.068	8.000	8.710	7.158
	TOTAL OBS	248	226	248	238	231	212	222	221	213	217	208	217	2690
	MEAN	1019.9	1017.7	1015.8	1015.5	1015.3	1014.9	1015.9	1017.2	1018.3	1020.3	1018.3	1018.6	1017.2
ALL HOURS	S. D.	8.349	9.189	8.615	7.[illegible]06	5.652	5.578	4.543	4.100	5.294	7.275	8.203	8.967	7.363
	TOTAL OBS	2116	1910	2097	2017	2057	1980	2018	2048	1923	1910	1798	1869	23741

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7773	QUANTICO, VA	69-78
STATION	STATION NAME	YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	30.089	30.042	29.984	29.983	29.973	29.949	29.985	30.016	30.066	30.122	30.061	30.067	30.028
	S. D.	.279	.273	.245	.221	.162	.166	.128	.123	.149	.209	.243	.258	.214
	TOTAL OBS	248	226	246	238	231	21[illegible]	218	217	210	217	208	217	2686
	MEAN	30.094	30.036	29.975	29.980	29.964	29.950	29.972	30.015	30.059	30.110	30.059	30.069	30.022
	S. D.	.279	.270	.251	.226	.168	.164	.134	.123	.153	.214	.246	.261	.216
	TOTAL OBS	248	226	248	239	246	239	245	247	210	239	208	217	2812
	MEAN	.101	30.059	30.002	30.006	29.998	29.979	30.004	30.045	30.074	30.124	30.071	30.079	30.044
	S. D.	.246	.271	.258	.237	.171	.166	.134	.120	.159	.221	.246	.274	.216
	TOTAL OBS	26[illegible]	229	25[illegible]	247	281	281	282	287	278	257	231	237	3128
	MEAN	0.131	30.084	30.021	30.014	30.002	29.985	30.014	30.056	30.086	30.144	30.096	30.101	30.060
	S. D.	.263	.272	.266	.246	.173	.167	.135	.122	.163	.222	.248	.276	.224
	TOTAL OBS	289	262	291	276	290	282	286	292	279	259	247	259	3312
1	MEAN	.071	30.038	29.978	29.971	29.970	29.961	29.992	30.031	30.052	30.101	30.044	30.045	30.020
	S. D.	.259	.271	.264	.239	.171	.164	.136	.119	.160	.218	.242	.273	.219
	TOTAL OBS	289	264	292	279	288	284	285	293	279	260	249	258	7320
	MEAN	30.059	30.000	29.930	29.929	29.928	29.932	29.958	29.995	30.024	30.083	30.021	30.038	29.991
	S. D.	.245	.273	.257	.228	.164	.163	.138	.119	.157	.213	.236	.261	.217
	TOTAL OBS	275	246	271	259	253	247	249	254	237	237	232	241	3001
	MEAN	30.096	30.027	29.958	29.943	29.939	29.926	29.964	30.000	30.041	30.112	30.049	30.069	30.010
	S. D.	.235	.268	.243	.217	.156	.160	.130	.116	.149	.208	.235	.249	.212
	TOTAL OBS	253	231	251	241	237	226	231	237	220	224	211	223	2785
2	MEAN	.108	30.041	29.986	29.982	29.972	29.954	29.988	30.023	30.067	30.131	30.063	30.076	30.032
	S. D.	.273	.271	.241	.213	.155	.161	.126	.118	.148	.209	.236	.257	.212
	TOTAL OBS	248	226	248	238	231	212	222	221	210	217	208	217	2698
ALL HOURS	MEAN	30.093	30.041	29.980	29.976	29.969	29.956	29.986	30.024	30.059	30.116	30.058	30.068	30.026
	S. D.	.246	.272	.255	.230	.167	.165	.134	.121	.157	.215	.242	.264	.218
	TOTAL OBS	2119	1910	2097	2017	2057	1981	2018	2048	1923	1913	1794	1869	23742

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