

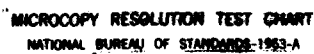
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SOUTH WEYMOUTH MASSACHUSETTS(U) NAVAL OCEANOGRAPHY
COMMAND DETACHMENT ASHEVILLE NC AUG 84

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244

A black and white photograph showing a large array of solar panels. The panels are arranged in a grid pattern. Most panels are dark, likely due to the solar cells or shadows. In the upper left corner, there is a small, bright white rectangular area, possibly a window or a light source, which is partially obscured by the grid structure. The overall image has a high-contrast, somewhat grainy appearance.



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

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AD-A150 642

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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #14790 South Weymouth, MA

PERIOD: HOURLY 1/73-12/82
DAILY 3/54-12/82

JOB NO. 72006

DATE August 1984

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

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. <i>AD-A150 642</i>	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) South Weymouth <i>ma</i>		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
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9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
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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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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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 14790		STATION NAME South Weymouth, Massachusetts		LATITUDE: 42°09'N		LONGITUDE: 70°56'W		STATION ELEV. (FT) 161		CALL SIGN KNZW		WMO NUMBER	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1.	Weather service office, south side of hangar #1	Navy	1954	1958	42°09'N	70°56'W	156	Mercurial	24				
2.	Same as above	"	1958	1961	"	"	161	"	24				
3.	Weather service office, second floor of hangar #1	"	1961	1967	"	"	172	"	24				
4.	Weather service office, south side of hangar #1, first floor	"	1968		"	"	156	"	24				
1a.	Same as above	"	1967		"	"	158	Aneroid	24				
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 1954	Atop control tower	AN/UMQ-5	ANX-1-4C	45'	1. Barograph (ML-3) 2. Semi-auto met sta (AN/GMQ-14B) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13C) 5. Transmissometer (AN/GMQ-10C)							
1a.	"	*Atop control tower	Selsyn	Triple	95'								
2.	1960	839 feet from center line of runway 8-26	AN/UMQ-5	RD/108B	12'								
		*Survey date unknown											

NOCD, Federal Building
Asheville, N.C.

NOCOD, 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-WEAN 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 $\frac{5}{8}$ 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

1477 SOUTH WEYMOUTH, MA 54-57, 64-79 ALL
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	141.7	.8	29.5	3.7	40.7		55.9	79.3	21.0	5.4		51.5	590
FEB		.7	25.6	3.5	79.9		51.7	39.0	26.5	6.3		57.5	536
MAR		1.8	37.6	3.1	30.5	.2	53.6	44.4	23.9	7.1		51.8	616
APR		2.7	47.3		12.7	.2	51.0	44.7	25.2	.3		51.3	610
MAY		2.5	53.7		.7	.5	53.7	53.4	36.7			61.5	637
JUN		17.0	47.7			.7	47.7	64.7	59.3			76.7	577
JUL		12.7	41.8			.2	41.0	62.1	66.0			75.6	589
AUG		14.8	41.8				41.0	66.9	61.0			76.6	589
SEP		6.7	41.4				41.4	63.7	49.5			70.7	570
OCT		2.2	38.5		1.7		29.9	57.7	38.4			63.7	589
NOV		2.2	49.0	.3	11.2		57.5	53.0	29.0	.5		56.8	600
DEC		.2	39.5	6.0	21.9		55.5	40.7	22.7	2.6		54.2	600
TOTALS		4.4	41.1	1.4	14.1	.1	48.8	52.7	38.3	1.5		62.2	7096

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WEATHER CONDITIONS

14777 SOUTH WEYMOUTH, MA 73-82 JAN. NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN.	01		8.4	.6	10.0		18.4	12.6	1.3	2.3		19.5	310
	04		9.7	1.0	8.4		18.7	14.2	1.0	1.0		15.9	310
	07		8.7	.6	8.1		17.1	17.7	1.3	1.0		20.5	310
	10		8.7	1.0	11.6		20.0	19.4	7.4	1.3		26.5	310
	13		8.4	.3	11.3		19.7	16.1	6.1	1.0		22.9	310
	16		9.7	1.3	9.0		18.1	15.5	4.5	1.6		22.6	310
	19		9.7	1.0	7.4		18.1	15.2	2.9	1.9		19.4	310
	22	.3	7.1	1.9	8.1		16.8	11.3	1.6	1.6		14.2	310
TOTALS		.0	8.8	1.0	9.2		18.4	15.4	3.3	1.5		19.5	2480

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WEATHER CONDITIONS

14700 SOUTH WEYMOUTH, MA 73-92 050
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.9	.4	6.0		13.0	15.2	1.4	1.1		17.4	200
	04		9.6		7.4		17.7	15.6	1.4	1.1		17.7	200
	07		8.2	.7	3.2		16.3	22.3	2.0	1.4		24.0	200
	10		7.1		10.3		16.7	16.0	7.1	1.4		23.6	200
	13	.4	7.9	.4	12.1		19.1	14.2	5.0	1.4		20.6	200
	16		7.8	.4	10.6		17.7	14.5	4.6	1.4		20.2	200
	19		9.0	.4	7.6		17.4	15.2	1.0	1.4		18.1	200
	22		9.6	.4	6.0		15.2	14.2	2.1	1.1		16.3	200
TOTALS		.1	8.4	.3	8.6		16.7	15.9	3.3	1.3		19.9	2256

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WEATHER CONDITIONS

14717
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSMAR
MONTHPERCENTAGE 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		12.6	.3	6.1		18.7	18.1	1.9			18.7	310
	04		9.7		5.2		14.5	17.7	1.6	.3		19.4	310
	07		11.3		3.9		14.8	23.9	3.5	.2		26.6	310
	10	.3	11.6		3.9		15.2	15.1	4.6			22.9	310
	13		14.2		6.8		19.0	15.2	4.5	.3		20.0	310
	16		11.3	.3	5.5		15.8	12.6	4.5	.3		17.4	310
	19		11.3		4.5		15.2	16.1	2.9	.3		18.7	310
	22		10.0	.3	5.8		15.8	16.5	3.2	.3		19.4	310
TOTALS		.0	11.5	.1	5.2		16.1	17.3	3.4	.2		20.8	2480

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WEATHER CONDITIONS

14770
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURENCE 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	.3	12.7		2.0		14.7	15.0	2.7	.3		17.7	300
	04	.3	11.0		2.0		13.0	17.3	2.7	.3		19.0	300
	07		13.0		2.3		15.3	21.3	4.7	.3		25.7	300
	10		10.7		2.3		13.0	14.0	6.0	.3		19.7	300
	13		12.0		1.7		13.3	6.7	5.7	.7		14.7	300
	16	.3	14.0		1.7		15.0	10.7	4.3	.7		15.3	300
	19		12.3		1.7		13.7	13.3	3.3	.3		16.3	300
	22		14.7		1.0		15.7	13.3	2.3	.3		15.7	300
TOTALS		.1	12.5		1.8		14.1	14.2	4.0	.4		18.0	2400

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WEATHER CONDITIONS

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		13.5		.3		13.5	26.5	4.5			29.4	310
	04		11.6		.3		11.6	35.6	4.2			37.7	310
	07		16.5				16.5	29.7	10.3			37.1	310
	10	.3	13.5		.3		13.5	25.3	14.2			32.3	310
	13	.6	14.2		.3		14.2	12.6	12.3			23.5	310
	16		11.6		.3		11.6	11.6	10.6			21.3	310
	19	.3	12.9				12.9	17.1	8.7			24.8	310
	22	.6	17.1				17.1	21.6	5.8			26.5	310
TOTALS		.2	13.9		.2		13.9	21.9	8.8			29.1	2480

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WEATHER CONDITIONS

14720 SOUTH WEYMOUTH, MA 73-82 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		11.3				11.3	28.7	11.3			36.7	300
	04		11.0				11.0	47.7	10.0			52.3	300
	07	.3	11.0				11.0	32.0	18.7			47.7	300
	10		8.3				8.3	15.0	27.3			40.3	300
	13	.3	8.3				8.3	7.7	27.3			33.3	300
	16	2.3	13.0			.3	13.0	10.7	23.0			32.7	300
	19	1.7	10.7				10.7	14.0	15.0			31.3	300
	22		11.7				11.7	24.0	14.3			34.7	300
TOTALS		.6	10.7			.0	10.7	22.5	16.9			32.6	2400

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WEATHER CONDITIONS

14790
STATION

SOUTH MEYMOUTH, VA
STATION NAME

73-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.6	8.1				8.1	28.4	20.6			45.2	310
	04	.6	6.8				6.8	44.5	18.4			54.5	310
	07	1.0	8.1				8.1	29.7	31.6			53.5	310
	10	1.0	6.1				6.1	9.4	37.4			45.6	310
	13	.3	5.5				5.5	5.2	35.5			40.0	310
	16	1.6	6.1				6.1	6.1	34.5			39.4	310
	19	2.3	6.8				6.8	11.0	30.3			40.0	310
	22	1.3	7.7				7.7	20.6	28.1			42.9	310
TOTALS		1.2	6.9				6.9	19.4	29.6			45.2	2480

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12/1 2036 54321

WEATHER CONDITIONS

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.6	8.4				9.4	33.2	16.4			45.9	312
	04	.6	10.0				10.0	41.6	17.1			51.9	310
	07		9.0				9.0	34.7	27.7			59.4	310
	10	.3	10.6				10.6	13.2	35.5			47.7	310
	13	.3	7.7				7.7	8.4	35.5			42.9	310
	16	1.9	11.3				11.3	10.6	31.0			40.3	310
	19	2.6	9.4				9.4	15.5	29.0			42.3	310
	22	3.2	6.8				6.8	22.6	21.9			41.6	310
TOTALS		1.3	9.2				9.2	23.0	27.0			46.5	2460

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WEATHER CONDITIONS

1477
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
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	.7	11.7				11.7	31.3	8.0			36.3	300
	04		13.0				13.0	34.3	7.7			39.3	300
	07	.3	12.7				12.7	40.3	17.3			50.7	300
	10		11.0				11.0	17.3	23.3			39.0	300
	13	1.0	10.3				10.3	13.0	16.0			28.7	300
	16	.3	9.7				9.7	10.3	15.7			25.7	300
	19	1.0	9.0				9.0	17.0	14.3			28.3	300
	22	1.3	11.3				11.3	21.3	10.3			29.7	300
TOTALS		.6	11.1				11.1	23.1	14.1			34.7	2400

NAVWEASERVCOM

WEATHER CONDITIONS

14770
STATION

SOUTH WYOMOUTH, MA
STATION NAME

73-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	.3	11.3				11.3	25.2	2.9			27.4	310
	04		10.0				10.0	29.0	3.5			31.6	310
	07		11.3				11.3	34.5	7.1			39.0	310
	10		11.9		.3		12.3	17.1	11.6			26.1	310
	13		10.6		.6		10.6	13.2	11.3			23.9	310
	16	.3	12.3		.3		12.6	14.5	10.6			24.2	310
	19		12.9		.3		12.9	20.6	6.8			25.8	310
	22	.3	12.9				12.9	22.9	2.9			25.5	310
TOTALS		.1	11.7		.2		11.7	22.1	7.1			26.2	2480

NAVWEASERVCOM

3

WEATHER CONDITIONS

14700
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-94
YEARSNOV
MONTHPERCENTAGE 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		11.0		1.3		12.3	21.7	1.7			23.0	300
	04		11.3		1.3		12.3	23.3	1.0			24.0	300
	07		11.7		1.3		13.0	30.7	2.7			32.3	300
	10		12.0	.3	2.0		14.3	22.0	11.0	.3		31.0	300
	13		10.7		1.0		11.7	15.3	6.0			22.7	300
	16		8.7		1.7		10.3	13.0	6.3			19.7	300
	19		11.0		1.7		12.3	16.0	4.0			18.7	300
	22	.3	12.7		2.3		14.3	19.7	3.7			20.7	300
TOTALS		.0	11.1	.0	1.6		12.6	20.1	4.8	.0		23.9	2400

NAVWEASERVCOM

WEATHER CONDITIONS

1470
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		11.6	.3	5.8		17.4	17.1	1.3	.6		18.7	310
	04		11.6	1.0	7.7		19.7	16.5	.6	.3		17.4	310
	07		12.6	.6	6.5		19.0	24.2	2.6	.6		27.1	310
	10		10.3		9.0		19.4	20.3	7.1	.6		27.4	310
	13		9.4	1.0	10.0		18.4	15.8	5.8	1.0		22.3	310
	16		8.4		7.4		15.5	15.5	6.1	1.0		21.9	310
	19		7.4	.3	7.4		14.2	12.6	2.3	1.0		15.9	309
	22		9.1	.3	6.5		15.5	15.2	2.6	1.3		18.4	309
TOTALS			10.1	.9	7.5		17.4	17.2	3.6	.8		21.1	2479

NAVWEASERVCOM

WEATHER CONDITIONS

14700
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.0	9.8	1.0	9.2		18.4	15.4	3.3	1.5		19.6	2467
FEB		.1	8.4	.3	8.6		16.7	15.9	3.3	1.3		18.9	2256
MAR		.0	11.5	.1	5.2		16.1	17.3	3.4	.2		20.4	2480
APR		.1	12.5		1.8		14.1	14.2	4.0	.4		18.0	2400
MAY		.2	13.9		.2		13.9	21.9	8.8			29.1	2460
JUN		.6	10.7			.0	10.7	22.5	18.9			38.6	2400
JUL		1.2	6.9				6.9	19.4	29.6			45.2	2467
AUG		1.3	7.2				9.2	23.0	27.0			46.5	2480
SEP		.6	11.1				11.1	23.1	14.1			34.7	2400
OCT		.1	11.7		.2		11.7	22.1	7.1			38.2	2480
NOV		.0	11.1	.0	1.6		12.6	20.1	4.8	.0		23.9	2400
DEC			10.1	.4	7.5		17.4	17.2	3.6	.8		21.1	2478
TOTALS		.3	10.5	.1	2.9	.0	13.2	19.3	10.7	.3		28.8	29214

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1973

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

JANUARY

WIND DIRECTION	WIND SPEED KNOTS	WIND SPEED MPH	WIND SPEED KNOTS	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	12.3		3.5	6.2	2.7	24.7			72.2		6.9	2.7		47.9
NNE	2.9	1.4	4.2	5.6		26.8			23.9	1.4	4.2	1.4		47.9
NNE	20.7	3.4	6.9	3.4	3.4	44.8			71.0			3.4		24.1
ENE	42.4		9.1		6.1	15.2			57.6		6.1	3.0		21.2
E	25.0		5.6		5.6	38.9			41.7		2.8	2.8		27.8
ESE	72.3		6.5			9.7			41.9		6.5			45.2
SE	25.3		6.5		3.2	9.7			72.3		3.2			54.8
SSE	24.1	1.7	3.4	3.4	1.7	8.6		1.7	27.6		10.3			44.8
S	22.2	1.9	3.7			3.7			35.2	1.2	1.9			54.3
SSW	7.7	1.6	1.6			2.2			9.8	1.6	8.2			75.4
WSW	1.3	1.3	1.3	.7		2.0			5.9	.7	2.6			88.9
W	1.1		.5			.5			2.1	1.1	1.1	.5		94.2
WNW	.2	.2	.7			2.5			3.7		2.2	3.4		88.5
WSW	2.8	.7	.7	.3		6.3			8.0		1.4	.3		85.7
W	.4		1.8			9.4			8.5	1.3	.9	2.7		82.6
WNW	4.5	.6	4.5	3.2	.6	26.0			24.0		2.6	3.9		56.5
WNW	1.1	.3	.7			8.0			10.5	3.8	4.9			76.5
W	166	16	53	24	12	223		1	358	23	82	36		1819
W	6.7	.6	2.1	1.0	.5	9.0		.0	14.4	.9	3.3	1.5		73.3

TOTAL NUMBER OF OBSERVATIONS 2,480

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14701

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.4		7.9		2.1	28.6			32.3	1.1	5.3	3.2		48.7
NNE	14.3	1.1	10.8	2.2	5.4	20.1			31.2	1.1	1.1	7.5		43.0
NNE	17.3		13.2	3.9	1.9	22.6		1.9	45.3		3.8	3.8		32.1
ENE	5.3		5.3		2.6	15.8			28.9		7.9			57.7
E	25.6		2.6			17.9			46.2		7.7			38.5
ESE	34.4	6.3	6.3			6.3			50.0		3.1			34.4
SE	29.6			3.7		11.1			44.4		3.7			44.4
SSE	15.5		7.9			13.2			26.3	2.6	2.6			60.5
S	13.6	1.2	1.7		.6	3.5			23.1	1.2	9.2			62.4
SSE	7.2		2.1		.7	1.4			11.9	1.4	4.9			78.3
SSW	1.2	1.2	1.2			4.3			7.1	2.4	3.6			84.5
WSW						1.9			.9	1.9	1.9			94.3
W	.2	.6				.8			3.6		2.5	.8		91.9
WSW	.1		.8			3.8			3.8		.8	.4		92.3
W	.1		1.0			7.7			5.8		1.9	1.0		87.0
WNW	4.3	.7	3.6	1.4		11.5			12.2			5.8		75.5
WNW	4.4	.4	1.8		.4	2.2			14.2	4.0	2.9			76.7
TOTAL	171	10	61	7	14	182		1	336	23	73	29		1690
TOTAL	5.6	.4	2.7	.3	.6	8.1		.0	14.9	1.0	3.2	1.3		74.9

TOTAL NUMBER OF OBSERVATIONS

2,256

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14777

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

MARCH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEDING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	3.2	4.4		.6	12.3			25.8		1.3	1.3		63.2
NNE	5.7	5.7	12.4		1.9	14.3			72.4		2.9	2.9		51.4
NNE	9.1		4.6		5.7	14.9			31.0		5.7			55.3
NNE	23.5		5.9	1.5	4.4	5.9			33.6		2.9			50.0
E	28.9		4.0		3.6	7.2			34.9		1.2			49.4
ESE	10.3	2.6	10.3		2.6	7.7			24.2	2.6	5.1			51.3
ESE	21.6	8.1	2.7		2.7	8.1			21.6	2.7	2.7			56.8
SSE	14.6	2.0	2.0		1.0	4.0			26.0	2.0	4.0			58.0
S	4.6	3.5	5.0			1.4			22.3	.7	6.4			64.5
SSA	7.4	4.3	3.1			1.2			17.9	3.1	8.6			64.2
SA	4.0					3.1			12.3		4.6			81.5
ASA		1.7				1.7			5.9	1.7	.5			89.7
SA		.8	.8		.3	1.4		.3	3.3	.3	.3			94.4
WSA	1.6	.5	1.8			2.3			5.9	.9	.9			92.0
WSA	1.6	.6	.6	.6	.6	4.1			6.5		1.2			89.4
WSA	4.5	2.7	3.6	.9		11.7			13.5		3.6	.9		73.5
ARAB														
WSA	1.6	1.9	2.5			2.3			11.1	4.7	5.6			71.8
WSA														
WSA	157	50	85	3	17	116		1	397	31	33	6		1823
WSA	8.3	2.0	3.4	.1	.8	4.7		.0	10.0	1.3	3.3	.2		73.5

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1479. SOUTH WEYMOUTH, MA JANUARY 1973-DECEMBER 1982 APRIL
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	9.9	1.4	14.1			2.1			32.4		2.1	1.4		62.7
NNE	17.4	1.8	11.0						22.9		3.7			64.2
NNE	25.0	1.1	6.8			1.1			35.2		3.4	1.1		58.0
ENE	11.9	2.9	7.2		2.9	5.8			33.3		4.3			50.7
E	17.5	13.4	5.2		2.1			1.0	19.6		5.2			56.7
ESE	16.3	7.0	2.3						18.6					74.4
SE	12.1		3.0						24.2		6.1			77.1
SSE	8.6	11.1	2.5					1.2	19.8	1.2	9.9			63.0
S	6.0	5.6	2.3					.5	18.1	.5	10.2			67.4
SSW	3.5	4.4	.4						11.0	1.3	4.4			79.4
SW	2.7	.9	.9						11.6	.9	8.0			81.3
WSW	1.8	2.8				1.8			4.6		.9			90.8
W	.9		.9			.6			2.5		2.2			94.1
WNW	3.2	1.2	.8			4.4			4.4		.4	1.6		89.5
NW	3.1	2.5	.6			7.5			9.4		1.9	1.9		82.5
NNW	4.3	1.9	3.8			4.8			13.3	1.0	3.8			77.1
VARIABLE														
CALM	2.1	.4	1.3			.4			10.5	1.3	4.2			83.7
TOTAL	146	68	72		4	41		3	331	10	95	10		1858
TOTAL	6.9	2.8	3.0		.2	1.7		.1	13.8	.4	4.0	.4		77.4

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14770

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

MAY

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	12.6	1.1	13.7			1.6			38.8		3.3			54.1
NNE	10.1	5.6	24.6			.6		.6	52.5		2.8			39.1
NNE	16.7	2.3	17.7			.8			33.6	.8	5.3			59.5
NNE	17.9	3.6	1.2						22.6		14.3			59.5
E	5.2	9.4	1.0						13.5		12.5			68.8
ESE	9.8	5.3	1.8						21.1		17.5			68.4
SE	12.2	4.1	2.0						20.4	2.0				71.4
SSE	8.8	6.2	3.5						23.9	1.8	8.8			61.1
S	5.1	4.0	1.6					.2	17.3	2.8	13.6			64.3
SSE	.9	4.3	1.3					.4	18.7	1.7	14.9			65.5
SW	2.2	5.4	1.1					2.2	20.7	2.2	19.6			59.8
WSW		2.1							4.2		15.8			80.0
W	1.1	1.6							4.8	1.1	7.4			85.7
WNW		1.8	.9						1.8		7.3			88.1
W	1.3	3.0	1.0						9.1		3.0			83.8
WNW	4.8	4.8	3.6					1.2	19.3		3.6			74.7
VARIABLE														
CALM	2.7	1.1	1.6						11.2	1.0	2.7			74.0
TOTAL	143	93	111			5		6	501	42	219			1660
TOTAL	5.6	3.8	4.5			.2		.2	20.2	1.7	8.8			66.9

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14797

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

JUNE

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	8.7	3.9	8.7						32.0	1.9	27.4			44.7
NNE	20.8	1.9	9.4					.9	39.6		8.5			51.9
NE	21.7	3.7	9.9					1.2	28.4	1.2	7.4			50.3
ENE	15.4	1.5	3.1						23.1		9.2			63.1
E	10.0	3.3	1.1					1.1	18.9	1.1	13.3			65.6
ESE	17.0	3.8	5.7						28.3		5.7			64.2
SE	12.5								15.6		37.5			50.0
SSE	10.2	8.7	1.6						37.0	1.6	13.4			48.0
S	3.9	3.5	2.3					.4	22.3	2.3	28.3			48.6
SSW	1.1	4.3	.7					.7	22.3	3.5	34.8			43.3
SW	2.7		1.0					1.0	15.7	1.0	31.4			53.9
WSW	.9	.9							7.1	1.8	21.4			68.8
W		3.2						.5	3.6	.5	10.8			82.7
WNW		3.4					.8	2.5	3.4	2.5	9.3			83.9
NW	3.4	1.1	1.1					1.1	6.9	3.4	6.9			81.6
NNW	2.9	4.3	7.2						15.9	1.4	2.9			75.4
VARIABLE														
ALM	1.0	2.2	.7					.4	10.0	0.8	0.6			66.8
TOTAL	130	77	58				1	14	476	63	451			1415
TOTAL	5.4	3.2	2.4				.0	.6	19.8	2.6	18.8			59.0

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1973

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.7	5.1	5.1					.9	27.4	1.7	14.5			58.1
NNE	4.9	3.3	3.3					1.6	26.2	1.6	14.8			59.0
NE	5.1	2.6	2.6						12.8		12.8			71.8
ENE	13.3	2.2	4.4						13.3		22.2			57.8
E	6.1	1.2	1.2						20.7		24.4			54.9
ESE	2.9	2.9							17.1		22.9			60.0
SE	2.6	7.7	2.6					2.6	25.6		10.3			61.5
SSE	6.5	4.7						1.9	27.1	1.9	25.2			44.9
S	2.7	3.5	.4					.8	17.0	4.7	45.9			37.5
SSW	1.7	4.7	.7					1.0	17.4	3.7	44.0			39.6
SW	1.4	3.5	.7					1.4	11.9	3.5	41.3			46.2
WSW	1.4	3.4	.7					2.0	8.1	2.0	43.9			45.9
W	.5	3.2						2.3	5.0	3.2	25.5			65.9
WNW	1.8	2.6						.9	5.3		15.8			76.3
W		3.2	1.1					3.2	3.2		12.6			82.1
NNW	1.3	1.3	2.7					1.3	6.7		16.7			81.3
VARIABLE														
CALM	1.3	2.1	.8					.8	20.3	10.7	18.8			56.4
TOTAL	63	83	25					30	386	94	732			1313
TOTAL	2.5	3.3	1.0					1.2	15.6	3.8	29.5			52.9

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

AUGUST

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	4.5	7.1	13.5					2.6	42.6	1.9	12.9			43.2
NNE	10.9	5.5	7.3					.9	39.1	.9	14.5			48.2
NE	2.4	6.1	7.3					1.2	24.4		13.9			58.5
ENE	1.7	5.2	3.4					1.7	10.3		19.0			67.2
E	7.5	1.4	2.7						18.9		16.2			63.5
ESE	5.6	2.8	2.8					2.8	16.7		30.6			52.8
SE	7.5	10.0	7.5					2.5	37.5		30.0			35.0
SSE	7.9	4.5	2.2					2.2	23.6	3.4	19.1			51.7
S	1.9	8.4	.5					1.7	24.5	4.8	39.6			32.5
SSW	.8	7.0						2.5	21.3	3.3	38.9			38.1
SW	.6	2.5						2.5	18.3	4.2	50.0			32.5
WSW	.8	2.4						.8	11.0	3.1	39.4			48.8
W	.5	1.0							5.1	1.5	32.0			62.9
WNW	.9	2.7						.9	1.8		17.3			78.2
NW		3.5						1.2	8.1	3.5	14.0			75.6
NNW	4.6	1.1	2.3						12.6	3.4	16.1			69.0
VARIABLE														
CALM	1.1	1.1						.7	17.2	4.5	17.9			63.7
TOTAL	6.4	116	49					33	488	82	670			1279
TOTAL	2.6	4.7	2.0					1.3	19.7	3.3	27.0			51.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

SEPTEMBER

HOURS: 11,5,7,11

WIND DIRECTION	KAN	PAN 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	17.2	4.2	8.3						1.9	1.4	6.9			54.9
NNE	19.4	2.3	15.5					1.6	45.7	.8	3.9			45.7
NF	15.5	6.8	13.6						17.9		3.9			51.5
ENE	13.8	1.7	13.8						31.0		6.9			56.9
E	11.6	4.3	2.9						17.4		14.5			63.8
ESE	7.3	9.8	2.4						24.4	4.9	22.0			43.9
SE	8.5	8.5						2.1	23.4	2.1	17.0			55.3
SSE	4.6	5.7							28.7	2.3	11.5			55.2
S	1.8	5.8	1.2					1.5	20.4	7.3	24.7			48.5
SSA	2.4	4.7	.5					1.4	19.8	2.8	25.0			55.2
SA	2.0	2.0							10.2	5.1	33.7			56.1
ASA	1.2								6.2		18.5			75.3
A	.4	.9						.9	2.7	1.3	12.9			82.6
ANA	.6	1.5	1.5						7.6	1.5	7.6			83.3
NA	.9								3.8	2.8	2.8			92.5
NSW	4.4	2.2	5.6						24.4	3.3	4.4			67.8
VARIABLE	2.7	2.7	1.1					.4	10.1	4.4	11.1			54.9
TOTAL	120	79	74					14	472	83	338			1503
PERCENT	5.0	3.3	3.1					.6	19.7	3.5	14.1			62.6

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1473

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

OCTOBER

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	6.2	.7	11.6			1.4		.7	33.6		7.5			58.9
NNE	21.5	1.9	19.6						39.3		8.4			49.5
NE	17.1	1.3	13.2					1.3	40.8		7.9			51.3
NNE	18.5		3.4						72.0		5.1			69.5
E	26.0	5.5	2.7					1.4	35.6	1.4	5.5			49.3
ESE	26.2	4.8							31.0	4.8	9.5			47.6
SE	25.7	8.6	2.9						42.9	5.7	2.9			37.1
SSE	13.3	1.7	1.7						33.3	3.3	3.3			58.3
S	6.9	3.3	1.5						28.1	5.1	14.2			51.8
SSW	.9	3.9							15.2	1.7	16.0			67.1
SW	3.3	4.2	.8						11.7	4.2	9.2			73.3
WSW	1.4	1.4							5.1		7.2			87.0
W	1.3	2.1							5.6	.4	5.2			87.6
WNW	2.0	1.3				.7			5.4	1.3	3.4			89.3
NW	6.1	1.4	2.0						10.1	1.4	.7			80.5
NNW	7.6	2.3	4.6			1.5			14.5	2.3	3.8			75.6
VARIABLE														
CALM	1.1	1.1	.7						30.5	4.4	3.5			30.5
TOTAL	169	56	71			5		3	491	58	176			1712
% TOTAL	6.6	2.3	2.9			.2		.1	19.8	2.3	7.1			69.5

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14720 SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

NOVEMBER

WIND DIRECTION	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	11.4	2.9	12.1		4.3			41.4		6.4			49.3
NNE	25.5	4.1	15.3		2.0			41.8		4.1			44.9
NNE	17.0	3.0	3.8					24.5		3.8			60.4
ENE	14.3		14.3					31.0		2.4			57.1
E	10.0	4.0	8.0		6.0			36.0		6.0			36.0
ESE	13.3	3.3	6.7		3.3			46.7		10.0			36.7
E	17.9	3.6	3.6					42.9	3.6	10.7			39.3
SE	10.0	12.0						70.0	4.0	6.0			46.0
SSE	7.2	3.1	1.4		.3		.3	22.1	3.1	9.7			66.1
S	1.4	2.8						13.6	3.4	6.2			74.6
SSW	1.1	3.3						9.0	2.5	5.7			81.1
WSW	1.1	.6	1.1		.6			4.5	.6	3.9			89.4
W	1.1	.3	1.0		.3			3.9	.3	2.6			91.9
WNW	1.3	2.4						6.2		2.4			88.0
W	4.1	.7	2.1	.7	4.2			15.4		.7	.7		81.8
WNW	1.1	.9	1.8		.9	12.6		24.3	2.7	2.7			63.1
WSW	4.1	4.6	4.1		4.3			14.9	4.7	4.6			68.7
WSW	1.1	.3	.6	1	1	37		1	435	47	115	1	1727
WSW	6.1	2.2	2.7	.0	.0	1.3		.0	18.1	2.0	4.8	.0	72.0

TOTAL NUMBER OF OBSERVATIONS 2,400

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1477 SOUTH WEYMOUTH, MA JANUARY 1973-DECEMBER 1982 DECEMBER
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	10.7	1.3	7.3	2.0	2.0	24.0			29.3		6.7	6.7		49.3
NNE	73.3		7.2		1.4	18.8			42.0		2.9			36.2
NNE	71.3		9.4		9.4	18.8			71.3					37.5
ENE	31.7	2.4	2.4	2.4		12.2			26.8		2.4			43.9
E	41.4	3.4	6.9			10.3			51.7	3.4				31.0
ESE	22.2	3.7		3.7		7.4			22.2		3.7			63.0
SE	20.0	5.7	11.4			14.3			34.3	2.9	5.7			42.9
SSE	14.7	2.9	5.9			2.9			27.9	2.9	5.9			61.8
S	13.6	2.3	4.5			.9			22.6	3.2	4.5			63.3
SSW	4.5	3.0	.5			2.0			16.1	3.0	7.5			70.4
SW	3.5	1.4	.7			4.9			14.8	3.5	5.6			72.5
WSW		1.3			.6	3.8			6.4	.6	2.5			86.0
W	.9	.6				2.6			2.0	.3	2.0	.3		92.8
WNW	.9					2.8			3.7		1.4			93.5
NW	1.4		.9	.5		12.8			8.3	.5	.9	3.7		78.4
NNW	3.5	1.2	5.8	2.3	.6	20.5			22.8		1.8	.6		62.6
VARIABLE														
CALM	4.5		2.8	.3		3.7			15.7	3.7	4.5			82.8
TOTAL	171	28	64	11	9	182			387	38	88	20		1791
% TOTAL	6.9	1.1	2.6	.4	.4	7.3			15.6	1.5	3.6	.8		72.3

TOTAL NUMBER OF OBSERVATIONS 2,478

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1477

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.3	2.4	9.8	.7	.7	8.9		.3	33.5	.6	7.3	1.4		52.9
NNE	15.6	3.2	13.2	.5	.6	6.3		.5	38.1	.4	5.7	.9		47.9
NE	15.8	2.8	9.0	.4	1.2	5.4		.5	32.3	.2	6.2	.5		53.5
ENE	16.5	1.8	5.8	.3	1.2	3.6		.2	26.8		8.8	.2		56.1
E	17.1	4.5	3.4		.9	4.0		.4	26.0	.4	10.1	.1		54.4
ESE	17.7	4.5	3.6	.2	.2	2.4		.2	27.9	1.1	10.7			54.9
SE	15.5	5.1	3.5	.2	.5	3.2		.7	29.6	1.6	10.9			52.4
SSE	11.2	5.4	2.2	.2	.2	1.6		.6	27.7	2.1	11.1			54.2
S	6.1	4.1	1.9		.0	.5		.6	21.9	3.4	21.4			52.7
SSW	2.9	4.0	.8		.0	.5		.6	16.7	2.6	20.1			60.4
SW	2.2	2.2	.7	.1		1.2		.6	12.3	2.6	18.3			67.3
WSW	.9	1.3	.2	.1	.1	.9		.3	5.5	1.1	12.6	.1		79.6
W	.7	1.0	.4		.0	.9		.3	3.7	.6	7.0	.5		86.9
WNW	1.7	1.2	.6	.0		2.3	.0	.2	5.1	.4	4.1	.3		87.6
NW	1.9	1.0	1.1	.2	.1	5.2		.3	8.1	.9	2.9	1.1		83.6
NNW	5.1	1.8	4.1	.9	.2	9.4		.2	17.6	1.1	4.1	1.2		69.8
VARIABLE ALL	2.7	1.6	1.2	.0	.0	1.3		.2	14.5	4.7	7.8			60.6
TOTAL	1643	729	788	46	59	791	1	107	5058	594	3122	102		19590
PERCENT	6.6	2.5	2.7	.2	.2	2.7	.0	.4	17.3	2.0	10.7	.3		67.1

TOTAL NUMBER OF OBSERVATIONS

29,214

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WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	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.

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

147 SOUTH WEYMOUTH, MA 54-93
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	47.7	17.8	.7	7.5	4.4	6.5	8.4	4.8	3.5	.1				34.7	437	4.17	10.72	.7
FEB	47.7	13.4	2.1	6.7	4.9	7.3	6.3	5.4	3.9	.1				36.4	791	3.94	7.55	.73
MAR	46.6	17.1	2.7	6.7	4.4	7.6	6.9	4.8	2.7	.1				36.1	337	3.69	8.10	.72
APR	47.7	14.5	2.5	6.8	4.4	8.2	4.7	6.6	2.9	.2				36.2	270	3.80	7.98	1.01
MAY	47.7	14.9	4.1	6.0	4.9	8.5	5.5	4.1	2.0	.1				35.4	899	3.17	8.17	.52
JUN	57.7	12.4	4.5	6.5	5.3	6.3	6.1	4.0	1.7					35.4	840	2.86	7.35	.67
JUL	57.4	12.8	3.7	6.8	4.8	4.4	4.4	3.8	1.9					29.8	899	2.59	4.92	.67
AUG	57.6	11.3	2.9	6.7	4.0	6.5	4.8	3.7	2.7	.4	.2			31.1	876	3.51	7.19	1.00
SEP	47.7	10.5	2.7	5.8	3.5	5.6	5.0	4.2	1.5	.9				29.2	787	2.45	6.73	.42
OCT	61.7	7.5	3.3	3.6	4.3	6.2	5.2	4.0	3.5	.1				30.2	868	3.75	8.93	1.27
NOV	47.9	12.9	3.0	8.7	3.3	7.4	6.5	5.6	3.7	.1				33.3	840	4.17	7.72	.74
DEC	45.7	14.3	2.7	7.4	4.6	7.8	8.2	4.8	4.2	.2				40.1	806	4.60	9.53	1.27
ANNUAL	47.1	13.4	2.9	5.5	4.4	6.9	6.0	4.6	2.8	.2	.2			34.5	10073	3.70		

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

147 SOUTH WEYMOUTH, MA 54-37
STATION STATION NAME YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE 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	47.7	20.0	4.3	5.6	7.1	2.0	1.0	1.2	1.0	.6				17.6	868	17.7	31.2	TRAC	
FEB	47.4	17.8	4.6	5.9	7.7	1.3	1.4	1.4	.9	.5	.1			19.0	763	17.7	42.5	0.	
MAR	50.2	17.8	2.8	4.7	1.0	.7	1.1	1.2	.7	.1				13.0	637	9.2	24.7	TRAC	
APR	81.1	0.0	1.1	1.1	.1	.1		.1	.1	.1				2.9	870	1.4	13.3	.	
MAY	70.1	.4													899	TRACE	TRACE	.	
JUN	70.0														870	.0	.0	.	
JUL	70.0														899	.0	.0	.	
AUG	70.0														899	.0	.0	.	
SEP	70.0														270	.0	.0	.	
OCT	44.1	1.3	.1	.1			.1							.3	899	.2	3.5	.0	
NOV	8.0	7.7	.3	.6	.5	.2		.1						2.3	840	.9	6.1	.	
DEC	46.7	17.6	4.9	4.1	2.3	1.7	1.2	1.0	.5	.2				15.8	837	9.5	29.6	TRAC	
ANNUAL	54.5	7.6	1.5	1.8	.9	.5	.4	.4	.3	.1	.0			6.0	10351	46.6			

NAVWEASERVCOM

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1-7-77 SOUTH WEYMOUTH, MA 54-27
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	44.6	7.7	7.4	8.5	6.3	7.1	11.1	5.1						47.5	363			
FEB	44.6	10.3	9.1	5.1	4.8	17.1	8.1	4.6	1.1					43.1	751			
MAR	70.0	4.8	6.0	4.4	3.5	3.7	3.0	2.2	1.0					24.5	368			
APR	57.0	1.0	.5		.3	.1	.2	.2						1.4	475			
MAY	100.0														809			
JUN	100.0														77			
JUL	100.0														809			
AUG	100.0														809			
SEP	100.0														875			
OCT	100.0	.2													809			
NOV	96.7	1.4	1.4	.6	.3									2.3	475			
DEC	66.7	5.7	4.6	4.6	3.4	5.8	3.2	1.0						24.5	809			
ANNUAL	0	5.0	2.6	1.9	1.5	2.2	2.7	1.1	.2					11.0	17502			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

14700 SOUTH WEYMOUTH, MA
STATION STATION NAME

54-80

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
74				2.83	2.24	.84	1.36						
75	.55	2.24	.84	1.09	.52	1.37	1.95	6.23	1.25	2.35	2.80	.60	6.23
76	1.42	.85	1.30	1.12	.61		1.15		1.65	2.10	1.10	1.49	
77	.97	.37	1.35	1.73	1.02	.33	.31	1.16	.25	1.03	1.82	1.35	1.32
78	2.65	2.10	1.26	1.32	.77	.40	.98		1.64	1.02	1.05	1.04	
79	.72	.79	1.03	.89	.83	1.59	1.00	.82	.36	1.64	.98	1.00	1.04
80	1.05	1.55	1.06	1.35	.71	.62	2.07	.90	3.27	.81	.84	1.53	3.27
81	1.48	2.11	.90	1.24	1.51	.60	.80	1.40	3.93	1.71	.93		
82		.70	1.09	2.55	.37	.63	.84	1.93	1.78	2.80	1.24	1.84	
83	1.25	1.18	.92	1.15	1.20	.75	.96	1.37		1.32	1.72		
84	1.35	1.23		1.43	.29	.33	.91	.38	.77	.83	1.51	1.14	
85	1.31	1.91	.43	.82	.32	1.37	1.01	.51	1.07	.94	.61	.86	1.91
86	1.31	1.47	.59	.46	1.60	1.10	1.14	.71	3.55	1.71	1.44	.83	3.55
87	.94	1.25	1.92	.68	2.92	1.53	.80	.86	2.67	.45	.64	1.67	2.92
88	.92	1.07	3.88	.78	1.29	1.14	.38	1.29	.85	1.10	1.86	1.52	3.88
89	.59	1.12	2.14	1.26	1.15	.69	.96	.67	1.60	1.09	1.53	2.64	2.64
90	.79	2.67	.84	2.10	.87	.99	.50	1.05	.49	1.73	1.78	2.87	2.67
91	.66	1.22	1.13	1.19	1.08	.58	1.01	.72	.59	2.25	1.84	.65	2.25
92	.47	2.11	1.74	.80	1.23	.86	.66	.42	3.76	.96	1.55	1.28	3.76
93	.96	2.20	.65	.92	1.33	1.54	.68	2.83	.98	1.15	.64	2.69	2.83
94	.71	.90	2.03	.88	.76	1.51	.64	1.28	1.69	2.46	.75	1.55	2.46
95	1.25	1.29	.93	1.82	.74	1.14	1.28	1.55	1.47	2.01	1.59	1.03	2.01
96	1.30	.95	.53	.77	.52	.42	1.24	3.15	.81	2.44	.29	1.31	3.15
97	1.54	.66	1.44	1.34	2.03	1.58	.64	.76	1.09	1.27	.88	1.74	2.03
98	1.75	1.66	.90	.90	1.59	.36	1.51	2.87		1.28	.64	1.56	
99	2.30	1.85	1.44	1.55	1.27	.25	.69	1.55	1.26	1.97	2.05	.45	2.30
00	.38	.42	1.34	1.82	.29	.48	1.14	.44	.25	2.22	1.20	.35	2.22
01	.46	1.66	.29	.87	.33	.77	1.06	.90	1.12	.74	2.33	1.99	2.33
02	2.17	.54	.52	1.20	.70	2.41	1.68	.82	.61	1.59	1.46	.60	2.41
MEAN	1.14	1.35	1.20	1.27	1.05	.91	1.01	1.40	1.49	1.53	1.32	1.34	2.78
S.D.	.580	.610	.719	.549	.614	.512	.418	1.238	1.082	.624	.586	.622	1.011
TOTAL OBS.	837	791	837	870	899	840	899	806	780	868	840	806	10073

SMOS

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1972

SOUTH WEYMOUTH, MA

54-97

STATION

STATION NAME

YEARS

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

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO-FALL
(FROM DAILY OBSERVATIONS)

14770 SOUTH WEYMOUTH, MA 54-87
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
54				.0	.0	.0	.0	.0	.0	.0	.0	8.0	
55	1.0	5.0	3.4	.3	.0	.0	.0	.0	.0	.0	1.0	1.9	5.0
56	8.2	5.0	13.0	8.0	.0	.0	.0	.0	.0	.0	.0	6.0	13.0
57	9.7	2.0	10.2	1.0	.0	.0	.0	.0	.0	.0	.2	.0	1.2
58	4.0	2.0	5.0	5.3	.0	.0	.0	.0	.0	.0	.0	5.0	5.0
59	1.0	5.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
60	3.2	1.4	10.3	.0	.0	.0	.0	.0	.0	.0	.0	14.0	14.0
61	15.2	1.9	2.3	.0	.0	.0	.0	.0	.0	.0	.1		
62	3.4	7.0	.2	.2	.0	.0	.0	.0	.0	.0	.2	3.4	7.0
63	5.2		4.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	
64	5.0	11.0		.0	.0	.0	.0	.0	.0	.0	.0	3.7	
65	12.2	1.8	2.0	.7	.0	.0	.0	.0	.0	.0	.0	.2	12.2
66	17.5	8.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	3.1	10.5
67	1.1	11.1	6.1	3.4	.0	.0	.0	.0	.0	.0	1.4	4.5	11.1
68	7.1	1.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.1
69	.3	11.0	9.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	11.0
70	7.8	5.6	8.4	.0	.0	.0	.0	.0	.0	.0	.0	6.3	8.4
71	6.6	3.7	2.6	1.0	.0	.0	.0	.0	.0	.0	2.5	4.0	6.6
72	1.0	5.0	6.0	.8	.0	.0	.0	.0	.0	.0	1.0	2.0	6.0
73	2.0	6.3	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
74	7.1	6.0	.0	1.4	.0	.0	.0	.0	.0	.0	1.4	4.1	7.1
75	3.5	8.5	1.3	2.0	.0	.0	.0	.0	.0	.0	.8	2.0	10.0
76	9.4	1.8	3.1	.0	.0	.0	.0	.0	.0	.0	.0	12.0	12.0
77	13.0	3.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	3.4	13.0
78	14.0	16.6	9.0	.0	.0	.0	.0	.0	.0	.0	4.7	2.0	15.6
79	3.0	3.2	.0	1.0	.0	.0	.0	.0	.0	3.5	.0	2.2	3.5
80	.0	2.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.2	2.5	2.6
81	5.6	3.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.1
82	5.7	3.9	1.0	12.0	.0	.0	.0	.0	.0	.0	.0	5.7	12.0
MEAN	5.11	5.31	4.37	1.25	.00	.00	.00	.00	.00	.16	.64	4.51	8.94
S.D.	4.34	3.816	3.595	2.741	.00	.000	.000	.000	.000	.661	1.107	3.436	3.554
TOTAL OBS.	969	763	837	872	899	870	899	899	870	899	440	837	10351

SMOS

EXTREME VALUES

147
STATION

SOUTH WEYMOUTH, MA
STATION NAME

54-32

YEARS

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

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

54-80

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
5	1	5	1										5
6		4	20	3	1								
7	17	4	4	2	2								17
8	17	21	4	0	0								21
9	1	6	7	0	0							3	7
0	7	1	19	0	0							14	19
1	16	27	2	3	0						1	6	27
2		13	5	0	0						1	3	13
3	5	3	6	0	0						0	11	11
4	11	19	4	0	0						0	8	18
5	19	4	2	0	0						0	0	19
6	14	16	3	0	0						0	5	16
7	1	11	9	3	0						1	4	11
8	13	1	3	0	0						0	2	13
9		29	36	0	0						0	5	36
0	17	4	8	11	0						0	14	18
1	19	3	2	1	0						3	5	19
2	4	8	7	2	0						1	2	8
3	2	6	2	2	0						0	0	6
4	14	6	0	0	0						2	4	14
5	7	13	1	1	0						1	15	15
6	13	2	4	0	0						0	14	13
7	19	12	5	0	0						0	2	19
8	16	31	18	0	0						3	4	31
9	3	4	0	1	0						0	3	4
0	7	2	0	0	0						1	2	7
1	7	2	0	0	0						0	12	12
2	11	4	1	13	0						0	6	13
MEAN	6.8	9.2	5.4	1.1	.1	.0	.0	.0	.0	.0	.6	5.4	14.9
S.D.	3.327	8.657	7.960	3.125	.000	.000	.000	.000	.000	.000	.010	4.395	7.700
TOTAL OBS.	868	791	368	872	899	870	899	899	870	899	870	899	10502

SMOS

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1472	SOUTH WEYMOUTH, MA	54-93

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

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1477

SOUTH WEYMOUTH, MA

1955-1982

STATION

STATION NAME

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	33	1982	6.6	168	1971
2	1.02	39	1979	5.9	142	1981
3	0.85	24	1967	1.4	36	1981
4	0.17	53	1982	2.1	53	1974
5	0.17	4	1972	1.5	38	1972
6	0.77	45	1962	1.1	28	1963
7	1.07	33	1977	13.1	332	1977
8	1.41	36	1979	2.4	61	1966
9	1.47	38	1978	7.1	180	1974
10	1.04	39	1977	4.9	122	1974
11	1.07	28	1956	4.0	102	1976
12	0.74	24	1976	9.4	239	1976
13	0.27	33	1979	9.0	229	1964
14	1.07	44	1978	5.7	145	1982
15	0.72	67	1958	2.3	58	1977
16	1.07	33	1965	12.2	310	1965
17	0.07	27	1956	8.2	208	1956
18	0.67	18	1975	2.0	51	1979
19	1.07	27	1967	3.3	76	1967
20	1.47	38	1961	15.2	386	1961
21	0.37	67	1979	7.8	198	1970
22	1.12	28	1958	2.5	64	1976
23	1.07	33	1966	10.5	267	1966
24	0.57	15	1965	4.6	117	1965
25	0.77	37	1979	7.0	178	1969
26	0.74	16	1978	1.0	25	1971
27	1.27	32	1963	5.2	132	1963
28	1.00	33	1976	5.3	135	1964
29	0.66	34	1973	2.0	71	1957
30	0.71	23	1966	5.6	142	1966
31	0.31	4	1982	1.5	38	1966
Monthly	0.75	67	1958	15.2	386	1961

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.56	14	1955	5.0	127	1955
2	2.20	56	1973	6.0	152	1974
3	2.67	68	1977	2.3	58	1966
4	2.11	54	1961	1.9	48	1961
5	1.29	33	1975	8.5	216	1975
6	1.33	34	1978	13.5	343	1978
7	1.66	42	1978	16.6	422	1978
8	0.93	24	1971	2.5	64	1971
9	1.12	28	1960	9.0	229	1969
10	1.28	33	1970	7.1	180	1969
11	2.04	52	1955	6.3	160	1973
12	1.15	30	1963	5.2	132	1975
13	1.47	37	1966	1.9	48	1982
14	0.74	19	1960	7.0	178	1962
15	0.75	17	1970	4.0	102	1970
16	2.10	53	1958	9.9	251	1964
17	1.02	26	1955	3.0	76	1974
18	0.71	13	1976	4.4	112	1967
19	2.11	54	1972	11.9	302	1964
20	0.67	17	1981	3.8	97	1982
21	0.28	7	1967	1.8	46	1967
22	0.80	20	1974	2.0	51	1962
23	0.69	17	1967	4.3	109	1959
24	1.27	32	1975	11.0	279	1969
25	1.91	49	1965	8.0	203	1966
26	1.05	47	1979	6.0	152	1969
27	0.72	18	1955	2.0	51	1969
28	1.72	44	1958	5.6	142	1970
29	0.30	8	1968	1.5	38	1964
30						
31						
Monthly	2.67	68	1977	16.6	422	1978

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

STATION	STATION NAME
47.1	47.1 - 47.1

1654-1982

YEARS

"A-C"
MONTH

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.55	65	1962	↑	↑	1961*
2	2.10	53	1970	↑	↑	1979*
3	1.92	46	1975	↑	↑	1972*
4	0.95	24	1982	0.6	15	1975
5	1.17	35	1957	1.0	25	1957
6	1.22	34	1959	12.0	305	1982
7	1.19	30	1971	3.4	86	1967
8	1.22	31	1957	8.0	203	1956
9	1.73	44	1957	1.0	25	1979
10	1.62	46	1980	1.4	36	1974
11	1.25	30	1958	5.3	135	1954
12	0.36	9	1965	↑	↑	1982*
13	0.3	21	1961	0.2	5	1957
14	1.43	36	1964	↑	↑	1970*
15	1.12	28	1964	↑	↑	1962
16	1.24	31	1961	0.3	8	1971
17	2.43	72	1954	↑	↑	1972*
18	0.68	17	1967	0.7	18	1965
19	1.25	32	1969	0.1	3	1967
20	0.10	20	1972	0.8	20	1972
21	0.15	4	1970			
22	1.22	31	1954			
23	0.96	24	1954	↑	↑	1954
24	0.52	13	1979*	↑	↑	1967
25	0.79	20	1955	0.1	3	1971
26	0.67	17	1973	↑	↑	1975*
27	1.15	30	1979	0.4	10	1975
28	1.24	31	1954	↑	↑	1966
29	1.14	27	1962	0.3	8	1971
30	1.15	27	1963			
31						
Monthly	2.3	72	1954	17.0	305	1982

* 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

14700 SOUTH WYEMOUTH, VA
STATION STATION NAME

1 54-1982
YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4		9 1976			
2	0.4		16 1963			
3	1.0		27 1977			
4	0.5		14 1972			
5	0.2		13 1958			
6	0.2		13 1958			
7	0.4		22 1967			1967
8	0.2		21 1954			
9	0.3		52 1977			1977
10	1.0		26 1977			1977
11	1.0		27 1973			
12	0.2		33 1968			
13	0.4		19 1975			
14	0.4		12 1979			
15	1.5		40 1978			
16	0.2		57 1954			
17	0.5		15 1977			
18	0.2		33 1963			
19	0.4		12 1966			
20	1.1		29 1979			
21	0.5		24 1954			
22	0.2		6 1966			
23	1.0		30 1979			
24	0.1		18 1968			
25	0.2		74 1967			1967
26	1.0		38 1961			
27	1.0		26 1957			
28	0.7		41 1966			
29	0.7		23 1982			
30	0.5		17 1959			
31	0.1		15 1956			
Monthly	0.2		74 1967			1977

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4		12 1967			
2	1.0		41 1982			
3	1.1		30 1956			
4	0.7		19 1982			
5	1.0		46 1982			
6	2.0		61 1982			
7	0.9		25 1982			
8	0.5		15 1971			
9	0.7		19 1963			
10	1.0		40 1977			
11	1.0		27 1977			
12	1.0		27 1955			
13	1.5		40 1959			
14	0.7		22 1982			
15	0.2		11 1950			
16	0.0		23 1956			
17	1.0		38 1974			
18	0.1		13 1950			
19	0.3		21 1972			
20	1.0		39 1967			
21	0.0		5 1974			
22	0.7		20 1981			
23	0.4		21 1954			
24	0.1		15 1962			
25	0.5		14 1981			
26	1.2		31 1977			
27	0.4		16 1977			
28	1.1		29 1968			
29	0.4		12 1980			
30	1.0		39 1977			
31						
Monthly	2.0		61 1982			

* 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

1477 SOUTH WEYMOUTH, VA
STATION STATION NAME

1954-1982
YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2		31 1976			
2	0.8		13 1959			
3	0.8		23 1967			
4	1.0		38 1978			
5	1.1		79 1956			
6	0.4		12 1961			
7	1.14		24 1966			
8	0.8		24 1963			
9	0.8		23 1964			
10	0.87		22 1975			
11	0.6		17 1959			
12	1.2		33 1975			
13	0.85		24 1969			
14	0.8		53 1967			
15	0.8		19 1959			
16	0.8		20 1961			
17	0.01		26 1965			
18	0.74		19 1951			
19	1.2		33 1982			
20	1.6		43 1982			
21	1.3		35 1954			
22	0.8		15 1982			
23	0.8		23 1958			
24	1.0		50 1955			
25	0.84		16 1977			
26	0.4		12 1979			
27	0.1		5 1967			
28	0.2		37 1982			
29	1.14		29 1987			
30	1.12		28 1976			
31	0.5		14 1961			
Monthly	0.8		53 196			

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.8		16 1976			
2	0.8		20 1963			
3	1.03		26 1979			
4	1.3		34 1979			
5	0.8		23 1981			
6	0.84		24 1978			
7	2.7		73 1978			
8	2.14		54 1976			
9	3.15		87 1976			
10	0.8		21 1967			
11	1.05		27 1976			
12	1.71		43 1955			
13	1.7		27 1963			
14	0.33		19 1972			
15	2.3		72 1973			
16	0.34		9 1965			
17	1.2		33 1974			
18	4.23		153 1955			
19	0.65		144 1955			
20	0.35		9 1970			
21	0.73		19 1961			
22	0.32		9 1964			
23	1.03		46 1955			
24	0.40		15 1959			
25	1.16		29 1957			
26	0.73		19 1957			
27	1.10		28 1955			
28	0.42		16 1962			
29	1.03		47 1962			
30	1.0		38 1975			
31	0.2		11 1973			
Monthly	0.23		156 1955			

* 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

147 SOUTH WEYMOUTH, N.C.

1954-1982

STATION

STATION NAME

YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	13 1982			
2	0.1	2.5	21 1975			
3	0.1	2.5	08 1972			
4	0.1	2.5	05 1966			
5	0.1	2.5	2 1962			
6	0.1	2.5	22 1956			
7	0.1	2.5	21 1974			
8	0.1	2.5	15 1969			
9	0.1	2.5	41 1969			
10	0.1	2.5	10 1977			
11	0.1	2.5	22 1968			
12	0.1	2.5	77 1957			
13	0.1	2.5	27 1965			
14	0.1	2.5	28 1981			
15	0.1	2.5	31 1961			
16	0.1	2.5	17 1958			
17	0.1	2.5	42 1958			
18	0.1	2.5	25 1973			
19	0.1	2.5	25 1972			
20	0.1	2.5	83 1961			
21	0.1	2.5	10 1961			
22	0.1	2.5	33 1979			
23	0.1	2.5	25 1975			
24	0.1	2.5	37 1975			
25	0.1	2.5	77 1961			
26	0.1	2.5	20 1977			
27	0.1	2.5	45 1962			
28	0.1	2.5	42 1956			
29	0.1	2.5	68 1967			
30	0.1	2.5	4 1967			
31						
Monthly	0.1	2.5	100 1961			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1977			
2	0.74	19	1981			
3	1.07	57	1979			
4	0.52	13	1981			
5	2.11	54	1962			
6	2.00	71	1962			
7	1.01	49	1962	T	T	1967
8	1.03	26	1957			
9	2.04	62	1976			
10	2.25	57	1971	3.5	89	1979
11	0.58	15	1980			
12	0.6	22	1975			
13	0.30	8	1975			
14	1.28	33	1978			
15	2.35	60	1955	T	T	1961
16	2.46	62	1974			
17	0.53	21	1964	T	T	1976*
18	2.01	51	1975	T	T	1972
19	1.71	43	1966	T	T	1972
20	1.37	35	1976			
21	0.55	14	1976			
22	0.10	3	1961	T	T	1969
23	2.10	53	1956	T	T	1969
24	0.74	21	1959	T	T	1960
25	2.22	56	1980	T	T	1960
26	0.72	18	1958	T	T	1962
27	0.32	8	1981	T	T	1957
28	0.43	11	1958			
29	1.32	34	1963			
30	1.15	29	1973	0.8	20	1975
31	1.02	26	1955			
Monthly	2.0	71	1962	3.5	89	1979

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1473 SOUTH WEYMOUTH, 1

1954-1982

STATION

STATION NAME

YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	46	1957			
2	0.7	45	197		T	197
3	0.6	52	1970			
4	0.12	54	1955			
5	0.1	71	1955		T	1966
6	0.2	32	1966		T	1976
7	0.2	40	1963		T	1971
8	0.5	39	1972		T	1977
9	0.1	21	1975		T	1967
10	0.3	39	1969		T	198
11	0.4	21	1955		T	198
12	0.5	47	1968		T	198
13	0.5	43	1975		T	1984
14	0.3	39	1975		T	1962
15	0.1	30	1981	1.4	35	1967
16	0.3	50	1981		T	1955
17	0.34	0	1959	0.3	0	198
18	0.20	30	1987	2.2	56	198
19	0.5	14	1957	1.0	25	1955
20	0.1	30	1972	0.1	3	1961
21	0.2	25	1975	4.7	119	1973
22	0.6	17	1967	2.5	64	1971
23	0.4	16	1967		T	1978
24	0.2	25	1959	2.1	51	1975
25	0.2	47	1971	0.4	10	1974
26	0.1	38	1964	1.0	41	1974
27	0.1	22	1975	3.3	76	1972
28	0.4	22	1987	0.4	10	1977
29	0.4	42	1963		T	1977
30	0.2	15	1957		T	1969
31						
Monthly	0.6	71	1955	4.7	119	1973

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.07	27	1977	1.0	25	1969
2	1.5	39	1974	T	T	1979
3	1.59	40	1967	1.8	46	1978
4	1.2	39	1968	2.0	51	1972
5	1.44	37	1962	5.0	127	1981
6	1.23	31	1972	7.1	181	1981
7	0.03	20	1976	0.5	13	1954
8	1.41	36	1969		T	1981
9	1.56	40	1978	3.0	76	1956
10	1.35	34	1957	0.5	13	1978
11	0.00	20	1969	2.5	64	1970
12	1.42	36	1960	14.0	356	1960
13	0.06	22	1965	2.0	51	1977
14	1.40	38	1956	2.8	71	1981
15	1.09	51	1981	2.0	51	1972
16	1.3	39	1960	2.6	66	1957
17	2.62	68	1973	4.0	102	1976
18	0.69	18	1961	4.0	102	1982
19	0.32	8	1952	3.2	81	1982
20	0.37	9	1964	3.7	94	1964
21	1.04	40	1977	10.0	254	1975
22	1.70	45	1969	5.1	13	1975
23	0.09	25	1956	6.8	173	1970
24	0.04	20	1970	3.0	76	1963
25	0.1	21	1978	4.1	104	1974
26	2.04	67	1969	5.1	130	1969
27	1.14	29	1964	2.6	66	1963
28	1.67	42	1967	4.5	114	1967
29	1.00	33	1976	12.0	305	1976
30	0.05	17	1971	4.0	102	1971
31	0.62	16	1972	3.4	86	1969
Monthly	2.67	68	1973	14.0	356	1960

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

DIRNAVOCEANMET-SMOS

NOON, 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.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

1-7-70 SOUTH WEYMOUTH, VA 54-51
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
4													
5	44S	41W	42NE	45SS	35NE	31W	31W	43		47	40W	41	
6	44W	44W	44W	42SSW	50W	43W	52W	31NE	29NE	35NE	45S	51W	47
7	44W	44W	44W	41	41	41	36W	39W	35SSW	27W	34W	26SS	44SS
8	44W	49ENE	47NE	46NNW	43SW	35W	35W	30NE	32SS	31NE	26SS	51W	34
9	44W	51W	50SS	57SS	44W	32W	32W	32SSW	24SSW	26S	37	44SSW	44
10	44W	51SSW	41NE	47W	36S	30NNW	34S	29S	24W	61W	38W	27W	51
11	44W	51NE	46E	34W	40SSW	36W	28SS	22SSW	21SSW	42NE	33W	38W	37
12	44W	44NE	35ENE	44W	49W	35S	25SS	25NE	37E	34W	31W	44W	47
13	44W	40NNW	41SSW	46W	49SSW	34W	27W	28W	36NE	32N	41S	41W	34
14	44W	44W	52SS	44SS	31W	31W	32N	30	29SS	35W	35W	26W	14
15	44W	39S	37W	40S	71W	30W	35SSW	30W	34SSW	31W	36W	40W	37
16	44W	41NE	35W	44W	31SW	34SW	25W	38W	20W	37W	34		
17	44W	40NE	41W	43S	41NE	39W	28SS	23W	27SS	27	36W	47W	15
18	44W	47NE	54W	40SSW	34SW	37SW	27SW	25W	29NE	27W	30SS	27S	73
19	55	37S	45NE	38SSW	51SSW	32SW	28SS	26W	30W	26SSW	31W	36W	55
20	33	327	322	4103	3429	2936	2921	2607	4731	2520	2729	7332	51
21	21	419	432	3601	3007	3216	2734	5122	2401	4320	3310	4515	47
22	31	3917	3602	4025	3424	2926	4721	2428	3623	2927	3230	3315	41
23	29	527	462	532	3318	3706	3229	2520	2615	2920	3031	3505	37
24	28	4121	4229	3917	4319	2617	2919	2936	2920	3232	2621	2225	37
25	27	4725	492	4427	3324	4733	3131	3316	4317	2417	3400	3225	42
26	22	4424	3708	4726	4221	3936	3331	3030	2219	2916	3225	3527	32
27	17	5103	5419	3623	3333	2328	2707	2426	2233	2426	2319	2428	42
28	07	4126	3420	3527	5029	2426	2310	2227	3915	4520	3216	3526	41
29	25	4324	2909	4017	3230	2930	2733	3101	2927	2817	4037	3330	47
30	21	3317	453	3331	3103	3332	3401	2604	2526	3217	2936	2133	41
31	17	3731	3428	393	4132	3507	3530	2928	2502	2203	3320	4423	37
MEAN	47.6	42.3	42.5	39.1	33.4	31.6	25.7	30.5	32.1	34.1	37.1	40.5	35.0
S.D.	5.897	7.665	6.333	4.695	4.937	6.273	5.956	6.630	8.047	4.653	6.500	5.767	5.540
TOTAL OBS.	933	761	834	812	863	838	858	866	807	867	807	865	10014

SMOS

1957 25464 54121

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION SO. 7- WYOMOUTH, VA STATION NAME 13-92 YEARS JAN
MONTH 01
HOURS (LST) 01
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	2.3	.3	.3							4.2	7.4
NNE	1.7	.3	1.7	1.7								3.8	7.7
NE		.7	.7									.6	6.6
ENE	1.7			.6								1.7	6.6
E	.1	.3										1.7	3.3
ESE	.1	.7										.8	4.5
SE	.1	.3										.5	3.0
SSE	.1		.6		.3							1.7	4.0
S	1.7	1.3	1.6	1.3	.3	.7						5.2	7.3
SSW	1.7	3.9	1.3	.3	.7							7.7	5.8
SW	2.3	2.9	1.0	1.6								7.7	6.5
WSW	1.6	2.9	2.3	.3								7.1	5.8
W	2.9	6.1	2.0	3.2	.6							15.8	7.2
WNW	2.6	3.2	3.5	2.9								12.3	7.2
NW	1.7	1.6	3.5	1.6	.3							9.7	7.9
NNW	1.7	1.3	1.6	1.3								5.2	7.7
VARB													
CALM												15.7	
	10.4	26.1	22.3	14.5	2.3	.3						100.2	6.6

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SCOT-REYNOLDS, 4A STATION NAME 73-22 YEARS JAN MONTH 24 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.7	1.0	.3								4.2	5.5
NNE	.7	.6	.2	1.3								2.9	5.4
NE	.7	.6	.3									1.2	5.0
ENE	.7	.3		.7	.3							1.3	5.8
E		.7										.3	4.0
ESE	.7	.6										1.0	4.3
SE	1.7	.7	.3									1.6	4.2
SSE	.1		.7	.6		.7						1.4	10.7
S	2.7	1.3	1.1	.3	.3							5.2	5.8
SSW	2.1	2.3	1.3	.6	.3	.3						7.5	6.9
SW	1.0	2.6	1.9	.3								6.4	5.8
WSW	1.7	2.3	3.2	.6	.3	.3						7.8	7.5
W	2.7	3.6	2.6	1.3								12.3	5.0
WNW	1.0	3.2	3.2	1.3	.6							10.1	7.8
NW	2.3	4.2	3.2	1.6	.6							12.7	7.1
NNW	1.0	1.0	1.7	1.6								5.5	8.1
VARBL													
CALM												17.0	
	12.5	2.1	22.1	10.4	2.6	1.7						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 732

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1070
STATION

SOUTH WYOMOUTH, MA
STATION NAME

73-92
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L & Y)

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.0	1.0								5.0	6.1
NNE	.3		1.0	.6								2.3	7.4
NE	.7	.6	.3	.3								1.6	6.6
NNE	.7		.6	.3								1.3	6.9
E	.6			.6								1.3	7.3
ESE	.3	1.0										1.7	3.3
SE	1.0		.7			.7						1.9	7.3
SSE		1.0										1.7	5.3
S	.7	2.3	.3	1.3								7.1	5.3
SSW	1.0	2.0	1.0	.3	.6							6.3	6.5
SW	1.0	1.6	1.2	.3	.6							6.1	6.4
WSW	2.3	1.0	1.6	1.0								6.6	6.0
W	2.3	3.5	2.3	1.9								10.6	6.7
WNW	2.3	4.2	4.2	2.3	.3							17.7	7.2
NW	1.0	2.0	1.3	1.0								6.1	6.8
NNW	1.0	2.3	1.3	1.6								6.1	7.6
VARBL													
CALM												18.7	
	21.0	26.1	12.4	13.5	1.2	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

107 STATION SOUTH WEYMOUTH, MA 73-82 YEARS JAN NORTH
CLASS ALL WEATHER
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.5	2.3	.6								6.5	6.5
NNE	1.7	.6	.7	.6	.3							2.9	5.1
NE	.7	.6	.6		.3							1.9	8.8
ENE				.3								.7	14.0
E	.7		.6									1.0	5.7
ESE	.7	.7	.6	.3								1.6	7.2
SE		.3										.3	5.0
SSE	1.7	1.7	.6	.3								3.2	5.6
S	2.3	1.6	2.3	.6	.3	.3						7.4	7.3
SSW	.7	1.6	2.3	.6	.6							5.2	8.4
SW	.3	2.3	1.3	.6								4.5	6.9
WSW	.6	1.6	3.2	.6	.6							6.5	8.6
W	1.6	4.2	6.1	4.5	1.6							18.7	8.9
WNW	1.7	1.6	5.5	2.9	1.0							11.9	9.8
NW	1.6	3.5	4.5	1.9								11.6	7.3
NNW	1.6	3.9	3.9	1.9		.7						11.6	7.6
VARBL													
CALM												3.5	
	14.2	26.5	34.2	16.1	4.8	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147. STATION SOUTH WEYMOUTH, MA 73-80 YEARS JAN NORTH
CLASS ALL WEATHER 13 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	2.5	1.0								7.7	6.9
NNE	1.0	1.3	.3	1.0								4.2	6.6
NE		.1	.3									1.0	5.3
NNE	.7	.6				.7						1.7	6.5
E	.5	.5	.3	.7	.7							2.3	7.4
ESE	1.7	.5										1.5	3.2
SE	.5		.7	.3								1.3	6.3
SSE		1.7	1.7		.3							2.3	9.1
S	1.7	2.7	1.6	.3		.7						6.7	6.6
SSW		1.3	3.2	2.6	.6							7.7	10.6
SW		.5	1.7	1.3								2.3	9.2
WSW	.7	2.3	6.1	1.9		.3						11.0	9.4
W	.5	5.2	6.3	4.8	1.6	.3						12.4	7.9
WNW	.4	3.2	4.5	4.8	1.7							14.2	9.6
NW	1.7	1.3	3.5	1.9	.3							8.1	8.6
NNW	1.0	1.0	1.3	1.3								4.5	8.1
YARL													
CALM												4.0	
	10.6	25.2	32.9	21.6	4.2	1.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 17

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 STATION SOUTH WEYMOUTH, MA STATION NAME 73-22 YEARS JAN NORTH
ALL WEATHER CLASS 16 HOURS LST
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.6	1.3	1.0								7.4	5.0
NNE	1.7	.3		1.0								2.6	7.1
NE			.7	.3		.7						1.3	13.0
ENE	1.6	.3	.7									2.3	3.3
E	.6	.3	.6									1.6	4.9
ESE	.6	.6										1.7	4.0
SE	1.0	.6	.3									1.9	3.2
SSE	.7	1.3	1.3	.6								3.6	7.3
S	.6	2.3	1.6	1.3	.3							6.1	7.9
SSW	.6	1.0	3.5	.6								5.8	7.8
SW	.3	1.9	1.0	1.6	.3							6.1	8.6
WSW	1.0	4.2	1.9	1.9	.3	.7						10.6	7.3
W	1.0	4.5	7.1	4.5	1.3	.3						19.7	9.0
WNW	1.6	3.5	4.6	2.3	.6							12.6	8.4
NW	1.9	.6	2.3	2.9								7.7	8.2
NNW	1.0	2.3	1.3	.6								5.2	6.6
VARB													
CALM												4.7	
	19.7	25.5	28.7	18.7	2.9	1.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 SOUTH WYOMOUTH, MA 13-22 YEARS JAN MONTH 19 HOURS (LST)

LL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.6	.6							6.5	7.3
NNE	.3	.6	.6	.6	.6							2.3	7.4
NE			.7									.3	7.5
ENE			.6									1.0	5.5
E	1.7	1.7	.7									2.4	3.6
ESE	1.7	.4	.7									1.0	4.0
SE	.6	.3	.2	.3								1.6	5.6
SSE	.7	.6	1.0									1.0	6.2
S	1.0	1.6	1.3	1.5		.7						7.1	5.2
SSW	2.0	4.2	1.2	1.3								10.0	5.0
SW	2.0	1.9	1.3	1.6								7.0	6.3
WSW	1.2	1.6	1.0	.6		.7						6.5	6.7
W	3.5	2.0	4.8	4.2	.3	.3						16.1	7.9
WNW	.3	3.5	3.2	1.6		.7						9.0	7.9
NW	.3	1.3	1.0	1.6	.3	.3						5.0	9.2
NNW	1.7	1.7	2.3		.3							4.3	7.0
VARB													
CALM												14.0	
	20.0	23.5	23.9	14.5	1.6	1.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 SOUTH WYOMOUTH, MA 73-82 JAN
STATION STATION NAME YEAR MONTH
ALL WEATHER CLASS 22
CONDITION HOUR 11 57

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	1.7	.3		.3						3.0	2.5
NNE	.6		.6	.6	.3							2.3	2.6
NE	.7	.3	.6									1.7	2.3
ENE		.3	.3	.3								1.0	2.0
E	1.0	.3	.3									1.0	2.0
ESE	.7	.3										.6	2.0
SE	.7		.7									.6	2.0
SSE	.6	1.0	.3	.6								3.2	2.3
S	2.6	1.3	1.6	1.6								7.1	2.6
SSW	2.3	3.5	1.3	.6								7.7	2.7
SW	.6	2.5	3.5	1.0	.3							8.1	2.5
WSW	1.0	1.0	1.7	.6								4.5	2.2
W	5.0	3.9	5.5	2.9	.6							18.7	2.9
WNW	1.0	3.2	2.6	2.3	.3							9.4	2.0
NW	1.0	2.0	2.6	1.3	.3	.3						9.4	2.6
NNW	1.0	1.0	2.6	1.7								6.0	2.5
VARBL													
CALM												13.0	
	10.4	25.0	24.5	13.5	1.9	.6						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 715

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION SOUTH WYOMOUTH, MA STATION NAME 75-80 YEARS JA
STATION ALL WEATHER CLASS NORTH
CONDITION ALL
MOVES (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	1.7	.6	.1	.7						5.2	6.6
NNE	.7	.5	.5	.8	.1							2.2	6.2
NE	.2	.4	.4	.1	.0	.7						1.2	7.6
ENE	.5	.2	.2	.2	.0	.0						1.3	7.6
E	.5	.4	.3	.1	.0							1.5	5.1
ESE	.5	.6	.1	.0								1.5	4.3
SE	.5	.2	.7	.1	.0							1.1	5.4
SSE	.4	.2	.5	.3	.1	.7						2.3	7.6
S	2.7	1.7	1.4	1.1	.2	.2						6.5	7.1
SSW	1.5	2.6	2.7	.9	.3	.7						7.4	7.1
SW	1.2	2.1	1.7	1.0	.2							6.2	7.1
WSW	1.2	2.3	2.7	1.0	.2	.7						7.6	7.4
W	2.5	4.3	5.0	3.4	.8	.1						15.4	8.7
WNW	1.4	3.2	3.5	2.5	.5	.2						11.5	3.3
NW	1.5	2.4	2.9	1.5	.2	.1						9.0	7.7
NNW	1.7	1.9	2.7	1.2	.0	.7						6.2	7.5
VARBL													
CALM												11.5	
	17.0	25.6	25.9	15.4	2.8	.8						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH Weymouth, MA STATION NAME 73-82 YEARS PER
CLASS ALL WEATHER MONTH 01
CONDITION 01
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	1.6	4.3	2.1	1.1								6.9	6.5
NNE		1.1	.4	1.1		.4						2.0	10.4
NE	.4	.7										1.1	4.7
ENE	1.4	.7	.4									2.5	4.3
E		.7		.4								1.1	7.2
ESE	.7											.7	2.5
SE			.7									.7	9.2
SSE	1.4	.4										1.1	2.2
S	2.1	2.1	.4	1.1								6.4	5.2
SSW	1.1	2.1	1.8	2.1								7.1	7.8
SW	2.1		.7	.4								3.2	4.5
WSW	1.1	1.4	1.1	.7								4.3	6.3
W	1.1	4.6	5.0	1.1								11.7	7.2
WNW	3.2	3.2	2.8	2.5								12.4	5.5
NW	2.1	3.2	2.5	1.8								9.1	6.7
NNW	1.1	2.9	1.4	1.8								7.1	7.2
VARB.													
CALM												18.9	
	13.1	22.7	19.1	13.8		.4						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 STATION NAME SOUTH WYOMOUTH, VA YEARS 1950 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 24
CONDITION _____

SPEED (KNTS) DIR.	1 - 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	3.0	3.0	1.0		.4						10.3	6.7
NNE	.4	.7	.7	.4								2.1	7.5
NE	.7	1.4		.4								2.5	8.0
ENE	1.1	.4	.4	.4								2.1	9.5
E		.7	.4									1.1	8.3
ESE	.4		1.1									1.4	6.5
SE	.4	.7	.4									1.4	4.5
SSE	.4	.4										.7	3.5
S	3.2	2.1		.7								6.7	4.4
SSW	1.0	1.0	1.0	.4								5.7	6.1
SW	.7	1.1	1.1	1.1								3.9	7.1
WSW	1.4	1.1	1.1	.4								3.9	5.5
W	3.0	4.6	3.5	1.8								13.8	6.2
WNW	3.5	2.5	4.6	1.8								12.5	5.8
NW	1.0	2.5	2.5	2.1								8.9	7.1
NNW	1.1	1.1	2.1	.4								4.5	6.8
VARBL													
CALM												1.4	
	22.3	24.5	23.0	10.6		.4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-1 SOUTH WYOMOUTH, MA STATION NAME 17-82 YEARS 1982 MONTH 07
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	2.0	1.5								6.7	7.6
NNE	.7	.4	1.1	.7								2.0	7.6
NE	.4	1.1	.7									2.1	5.7
ENE	.4	1.1	.4	.4								2.1	6.7
E	.1											2.1	2.1
ESE	.4	.7	.7									1.0	6.2
SE	.4	.4										.7	4.5
SSE	.7	.4	.4									1.4	4.5
S	.1	3.2	.4	1.4								7.1	5.9
SSW	1.4	1.1	1.0		.4							4.6	6.2
SW	.7	1.5	1.1									3.0	5.1
WSW	.1	.7	1.1	.7	.4							5.0	6.1
W	.5	5.7	3.2	2.1	.4							15.2	5.5
WNW	.1	3.2	2.5	.7								5.0	6.1
NW	.5	3.2	1.5	1.8								9.2	5.4
NNW	.1	2.5	2.1	1.4								9.0	5.8
VARBL													
CALM												18.9	
	22.3	27.3	12.5	11.0	1.1							10.0	5.1

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

3
70004472

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17 SOUTH WEYMOUTH, MA STATION NAME 17-12 YEARS 1951-1952
 CLASS ALL
 CONDITION ALL
 MONTH 12
 HOURS 11 51

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	.4							6.7	7.1
NNE	1.0	1.0	1.0	1.0		.4						6.0	6.3
NE	.4	.4	2.0	.7								3.5	4.5
ENE		1.0	.4									1.0	2.0
E	1.0	.7	.7									2.0	4.7
ESE		.7	.4									1.0	2.7
SE	.4	1.0	.4									1.0	2.0
SSE	.4	1.0		.4								1.0	2.0
S	.7	2.0	2.0	1.0	.4							7.4	7.0
SSW	.4	1.0	1.0	.7	1.0							4.5	1.7
SW	.4	1.0	1.0	1.0								4.5	1.9
WSW	.4	1.0	1.0	1.0	.4							4.6	1.7
W	2.0	2.0	6.0	4.6	.4	.4						10.7	2.7
WNW	1.0	2.0	4.6	3.6	.4							14.5	1.3
NW	.4	2.0	5.0	3.6								11.7	1.1
NNW	.4	2.0	3.2	1.0								6.7	2.0
VARBL													
CALM												4.7	
	12.1	24.0	37.7	22.2	2.6	.7						10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1971 SOUTH Weymouth, MA 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
FEB MONTH
17
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	4.6	1.8								9.2	7.7
NNE	.4	1.4	1.4	1.5								5.7	6.3
NE	.4	.7	1.4		.4							2.7	5.5
ENE			.7									.7	7.6
E		.7	.7									2.7	5.5
ESE	1.1	.4	.7									2.1	4.3
SE	.4	1.1										1.4	4.5
SSE		1.4	.4									1.4	5.5
S	.4	1.4	.7	2.8	.4	.4						6.7	11.5
SSW	1.4	.7	2.2	1.4								6.7	7.9
SW	.4	.7	1.4	1.1	.4	.4						4.7	1.3
WSW	.4	.7	1.4	1.8	.4							4.6	1.5
W	1.1	3.2	3.2	5.3	1.4	.4						28.7	10.1
WNW	.4	3.5	4.6	5.3	.4							14.2	9.7
NW	1.1	1.4	3.5	1.8	.4							6.2	6.7
NNW	.7	1.4	1.4	3.5	.4							7.4	10.5
VARBL													
CALM												2.5	
	9.9	21.6	34.4	26.6	7.2	1.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1471 SOUTH WYOMOUTH, MA STATION NAME 73-82 YEARS FEB
 CLASS ALL WEATHER MONTH 16
 CONDITION 16
 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	1.0	2.0	3.0	.7								8.9	4.5
NNE	1.1	.7	2.0	.7	.4	.4						6.1	9.1
NE	.4	.4	1.4	.4								2.0	6.9
ENE	.4	1.4	.4									2.1	4.2
E		2.1	.4									2.0	5.4
ESE			1.4									1.4	7.8
SE	.4	1.1					.4					1.0	8.6
SSE	.4	1.1	.4									1.0	5.0
S	1.4	3.2	1.4	2.5	.7							9.7	9.5
SSW	.7	2.1	2.5	1.1	.4							6.7	7.7
SW	.4	1.1	1.0	.4								3.0	7.3
WSW	.7	1.4	1.0	.7			.4					5.0	8.8
W	1.0	5.0	8.2	4.3	2.1							21.3	5.2
WNW	.4	2.1	5.2	3.9								12.1	9.4
NW	1.1	1.4	4.3	1.8	.7							9.2	5.7
NNW	.4	.4	.4	2.1	.4							3.0	11.2
VARS													
CALM												2.0	
	11.7	20.2	36.2	18.4	4.6	.4	.7					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 272

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH WYNCOUTH, NC STATION NAME 73-82 YEARS FEB
MONTH 10
HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.1	1.0								7.4	7.5
NNE	.7	1.0	.7	.4		.4						3.9	7.5
NE	.4	2.1										2.5	5.1
ENE		.4	.4									.7	5.5
E	.7	.4										1.1	3.5
ESE	1.4	.4	.7									2.5	3.6
SE	.4	.7										1.1	4.3
SSE	1.4	.4										1.0	3.0
S	3.2	5.6	2.8	1.1	.4							11.3	4.0
SSW	.7	2.8	1.0	1.4								6.7	7.0
SW	1.0	1.1	.7	.4								3.5	5.4
WSW	1.0	1.0	.7	.4	.4							5.0	6.1
W	3.0	3.2	4.6	2.8								14.5	7.2
WNW	1.1	1.0	4.3	2.1								9.2	7.9
NW	1.1	2.1	4.3	1.1	.4							8.9	8.0
NNW	.7	.4	2.8	1.1	.4							5.3	9.0
VARBL													
CALM												14.5	
	20.7	24.5	25.2	12.4	1.4	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH Weymouth, MA STATION NAME YEARS 73-82
CLASS ALL WEATHER
CONDITION

FEB MONTH 22 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.5	1.4								7.4	6.7
NNE	.4	2.1	1.1	.7								4.3	6.4
NE	1.1		.4				.4					1.9	9.4
ENE	.7	1.1										1.5	4.6
E	.4			.4								.7	7.0
ESE			.4									.4	2.0
SE	.4	.4										.7	3.5
SSE	1.4	.4	.4	.4								2.5	4.6
S	2.5	3.2	1.1	.4	.4	.4						7.8	6.6
SSW	2.1	2.0	2.5	1.4								8.9	6.6
SW	.7	1.9	.7	.4								3.1	5.3
WSW	2.5	2.1	.7									5.2	3.9
W	2.5	4.6	4.3	2.1	.4							13.2	6.9
WNW	1.5	2.1	2.1	2.2								8.9	7.8
NW	1.1	2.2	2.2	1.4	.4							8.5	7.6
NNW	.7	2.1	1.9	1.8								6.4	8.3
VARBL													
CALM												17.4	
	12.5	27.7	20.6	13.1	1.1	.4	.4					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1471 SOUTH WEYMOUTH, MA 73-82 FEB 80
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.0	1.4	.1	.0						8.4	7.1
NNE	.6	1.2	1.2	.9	.0	.2						4.1	5.4
NE	.5	.8	.3	.2	.0		.0					2.3	7.6
ENE	.5	.8	.6	.1								1.7	5.2
E	.5	.3	.2	.1								1.7	4.9
ESE	.5	.3	.7									1.4	5.4
SE	.2	.7	.2				.0					1.2	5.5
SSE	.4	.7	.2	.1								1.7	4.4
S	2.0	2.0	1.1	1.4	.3	.1						7.7	7.2
SSW	1.2	1.1	2.0	1.1	.2							6.3	7.4
SW	.0	1.1	1.1	.6	.0	.0						3.7	6.9
WSW	1.2	1.3	1.2	.8	.2		.0					4.7	7.0
W	2.5	4.3	5.4	3.0	.6	.1						15.9	8.0
WWW	1.0	2.0	3.9	2.9	.1							11.5	7.0
NW	1.4	2.4	3.3	1.9	.2							9.2	7.8
NNW	.9	1.6	1.0	1.6	.1							6.7	8.3
VARBL													
CALM												12.7	
	17.1	25.8	26.5	16.0	1.9	.4	.1					110.2	6.5

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH Weymouth, MA STATION NAME 73-22 YEARS MONTHS 73
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		2.0	1.0								4.1	5.9
NNE	.2	1.4	1.0	.6								3.0	7.5
NE	.2	1.3	.3	1.0								2.9	7.8
ENE	.6											.5	1.5
E	.2	.3	.3	.6								1.5	8.2
ESE		.2	.3	.3								1.0	9.3
SE			.2	.3								.6	13.0
SSE	2.4	1.3	1.0	.3								5.2	4.6
S	3.0	3.0	2.3	.6								10.6	5.3
SSW	1.0	2.9	1.9	.3	.3							6.5	6.8
SW	.6	1.2	.3									1.9	4.5
WSW	.6	1.0	1.3	.6								3.5	7.2
W	2.0	3.2	3.2	2.6	.3	.3						12.6	7.6
WNW	1.6	2.9	2.6	2.3								9.4	7.8
NW	2.6	1.6	1.3	1.9	1.0							8.4	8.0
NNW	1.0	1.0	1.6	1.0	.3							5.2	7.3
VARBL													
CALM												19.7	
	22.3	23.2	20.0	13.9	1.9	.3						100.2	5.6

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 SOUTH WYOMOUTH, VA 73-52
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAC NORTH
74
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.6		.3							4.2	3.4
NNE	1.7	1.0	1.7	1.3	.3							4.5	3.1
NE	1.7	1.7	1.7									4.2	6.0
ENE	.5			.3								1.2	6.7
E	.7	.6		.7								1.3	6.3
ESE	.3	.7										.6	4.2
SE	.6	.6		.3								1.6	5.4
SSE	1.7	1.7	.6	.3								3.2	4.6
S	4.2	1.7	1.7	1.7								9.7	5.1
SSW	1.7	3.2	1.7	1.7								6.1	6.4
SW	1.7	.3	.6	.3								2.9	5.4
WSW	1.7	1.7	1.7	.3								4.2	5.4
W	3.2	2.3	4.5	1.9	.6							12.9	7.0
WNW	1.7	3.5	1.7	2.3								8.7	7.5
NW	.3	1.7	1.3	2.3	.3							5.5	9.4
NNW	.7	2.6	1.3	1.7								5.5	7.3
VARBL													
CALM												73.2	
	42.2	22.2	12.7	12.6	1.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WYOMOUTH, MA 73-82 YEARS MAP NORTH
ALL WEATHER CLASS 07
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.0	.6	.3							7.4	6.7
NNE	.7		1.9	.6	.3							3.2	3.9
NE		1.9	.6	.3								2.9	6.6
ENE	.3		.6		.3							1.3	9.5
E	1.7	1.0	.6	.3								2.9	5.3
ESE	.7											.7	3.0
SE	.3	.6										1.0	4.3
SSE	1.0	2.6	.3									4.9	3.9
S	2.5	3.2	1.9	1.3								5.7	6.4
SSW	1.7	1.0	1.6	.6	.3							4.5	7.6
SW	.6	1.3	1.0	.3								3.2	6.5
WSW	1.3	1.3	1.6	1.0								5.2	6.6
W	1.9	4.8	4.2	2.6								13.5	7.0
WNW	1.0	1.6	2.9	2.6								8.1	9.7
NW	2.3	1.9	1.3	1.6								7.1	6.6
NNW	1.0	1.3	1.9	1.0	.3							5.5	7.9
VARBL													
CALM												20.0	
	17.1	24.5	23.5	12.9	1.6							126.2	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 STATION SOUTH WEYMOUTH, MA 73-82 YEARS SOUTH
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 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	2.3	1.3	.3							7.4	7.7
NNE	.7	1.6	2.6	.3	.6							5.0	8.2
NE	.7		1.3	1.2								2.6	8.6
ENE	.7	1.0	1.3	.3	.3							4.7	7.5
E	1.2	.6	1.6	.6								3.5	6.8
ESE	.7	.4	.3	.3								1.6	6.6
SE	.4	.3	.3	.3								1.6	5.8
SSE	1.2		1.2	.6								2.9	6.3
S	1.2	2.6	4.2	2.6								11.0	8.3
SSW	.7	1.0	2.6	1.2	.3							6.1	8.3
SW	1.2		1.3	1.6								3.0	8.3
WSW	1.2	.6	1.2	2.3								5.2	8.7
W	1.2	2.3	3.9	4.5	1.9							13.5	10.6
WNW		2.4	4.2	5.5	.3	.3						12.9	10.8
NW	1.2	.6	1.9	1.3	1.2	.3						6.5	10.0
NNW		1.0	1.9	1.3	.6							5.5	9.9
VARBL													
CALM												5.5	
	11.7	20.3	31.0	24.8	5.5	.7						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH WYOMOUTH, VA 13-80 YEAR 1980
STATION NAME ALL WEATHER CLASS 13
CONDITION 13
HOURS (L.S.T.) 13

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	.6							7.7	8.3
NNE	.6	1.0	.6	.6	.6							3.5	3.5
NE	.6	2.0	1.0	.6	.3							4.8	7.0
NNE		1.0	1.0	.6								3.2	7.9
E	1.0	2.0	.7	.3	.3							4.5	6.1
ESE	.6	.3	.6									1.5	4.5
SE	.6	.3	1.0									1.9	7.0
SSE	.6	.6	1.0	.6								2.6	8.0
S	1.0	1.0	5.2	2.0	.3							10.0	9.1
SSW	1.0	1.0	4.2	2.6	.3	.3						9.4	9.7
SW		1.0	1.0									2.0	6.6
WSW	1.0	.3	2.0	1.9	1.6							7.4	10.6
W	.6	1.0	4.5	6.5	1.9	.3						15.2	11.8
WNW	.3	.6	2.9	4.5	1.3	.3						10.0	12.2
NW	.6	1.0	1.6	2.0	1.6							6.6	11.7
NNW	.6	1.6	1.6	1.0	.3							4.0	9.5
VARBL													
CALM													
	.4	1.4	3.2	2.5	2.4	1.0						10.0	8.3

TOTAL NUMBER OF OBSERVATIONS 115

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1.7 STATION SOUTH Weymouth, MA 73-82 YEARS 4AD MONTH 16 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.3	1.0	.3							3.0	7.3
NNE	.1	2.2	1.0	1.6								7.1	7.3
NE	.6	2.6	1.0		.3							4.5	6.4
ENE	.3	2.2	2.6	.6								6.5	7.0
E	1.0	2.6	1.3	.6								5.5	6.2
ESE	.3	1.6	.6									2.6	5.6
SE		.3	.3	.6								1.3	9.5
SSE	.3	1.0	2.3	.3								3.9	7.4
S	1.6	1.0	4.5	4.8								11.9	9.5
SSW		.6	1.7	2.3	.3		.6					5.9	12.7
SW	.7		1.0	.6								2.9	9.0
WSW		1.0	2.6	2.3	1.0							6.9	11.1
W	.6	1.2	4.2	7.1	1.3	.3						15.5	11.2
WNW		1.3	2.6	5.2	1.6		.3					11.0	12.4
NW		1.2	1.6	1.9	.3	.3						5.5	11.4
NNW	.3	.3	.6	1.6								2.9	10.7
VARBL													
CALM												2.6	
	5.5	22.3	31.3	30.6	5.2	.6	1.0					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

167 STATION SOUTH WYOMOUTH, MA 73-82 YEARS MONTH 4A-
STATION NAME CLASS ALL WEATHER
CONDITION HOURS (LST) 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	1.0	1.7	3.7	1.0								7.1	5.6
NNE	.7	1.3	1.6		.7							3.0	7.5
NE	.6	1.2	.4		.7							3.0	6.5
ENE	.7	1.3	.3	.3								2.7	6.7
E	1.0	1.3	.5	.3								4.2	4.2
ESE	1.3	1.0		.3								3.5	4.5
SE	1.0	.3	.7									2.7	3.7
SSE	1.0	1.6	1.6	.7								5.7	5.6
S	1.0	5.1	4.0	2.9								15.7	7.1
SSW	1.0	.6	2.7	1.0								5.5	7.9
SW	.0	.7										1.0	3.0
WSW	.7	.5	1.0	.3								2.3	5.5
W	1.0	3.5	7.1	4.5								17.1	8.2
WNW	.7	.3	1.6	2.7								4.5	10.6
NW	.6	1.9	1.7	2.3	1.0	.3						7.4	10.9
NNW			1.0	.3								1.7	11.3
VARBL													
CALM												12.7	
	16.0	24.2	27.4	16.5	1.6	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 211

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION SOUTH WYOMOUTH, MA YEARS 25-82 NORTH 22
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	.6								6.1	2.0
NNE	.7	1.0	1.0	.2								2.0	7.1
NE	1.0	.6	.6	.3								2.0	6.3
ENE	.7	1.0	.3	.3	.3							2.3	1.6
E	1.0	.3		.6								2.0	4.7
ESE	.7	.6		.2								1.3	5.4
SE	.7		.6	.3								1.6	6.6
SSE	1.0	1.0	.6		.3							3.0	5.1
S	4.5	3.5	2.5	1.3								12.0	5.7
SSW	2.3	3.5	1.6	.3	.3							5.1	6.1
SW	1.3	.6	.6									2.6	4.1
WSW	1.0	1.0	.3	.6								3.0	5.2
W	2.0	3.5	6.1	2.6	.3							15.5	7.5
WNW	1.0	1.3	1.0	2.6	.3							6.1	9.6
NW	.7	1.3	2.6	1.0	1.0	.3						7.7	10.7
NNW	1.0	1.0	.6	.3	.6							4.5	7.6
VARBL													
CALM												16.1	
	22.3	23.2	22.3	12.6	3.2	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-7 STATION NAME SOUTH WYOMOUTH, VA YEARS 70-71 MONTH ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	.0	.0							6.0	7.0
NNE	.0	1.0	1.0	.0	.0							4.0	7.0
NE	.0	1.0	1.0	.0	.0							3.0	6.8
ENE	.0	1.0	.0	.0	.0							2.0	7.3
E	1.0	1.0	.0	.0	.0							3.0	5.7
ESE	.0	.0	.0	.0	.0							1.0	5.5
SE	.0	.0	.0	.0	.0							1.0	5.7
SSE	1.0	1.0	1.0	.0	.0							4.0	5.6
S	.0	.0	.0	.0	.0							11.4	7.1
SSW	.0	1.0	2.0	1.0	.0		.0					5.5	8.2
SW	.0	.0	.0	.0	.0							2.0	5.4
WSW	.0	1.0	1.0	1.0	.0							4.0	5.3
W	1.0	2.0	4.0	4.0	.0	.0						14.5	5.9
WNW	.0	1.0	2.0	3.0	.0	.0	.0					8.0	10.1
NW	1.0	1.0	1.0	1.0	.0	.0						6.0	9.7
NNW	.0	1.0	1.0	.0	.0							4.5	.4
VARBL													
CALM												1.0	
	10.0	22.4	25.4	16.0	3.7	.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 240

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1677 SOUTH WYOMOUTH, ME STATION NAME 73-20 YEARS 1900
ALL WEATHER CLASS 01
 CONDITION HOURLY (L.S.T.)

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.3	.3								8.7	5.1
NNE	.7	1.7	1.7									2.7	5.5
NE	1.7	1.7	.7	.7								3.3	5.7
ENE			.7	.7								1.7	10.0
E	.7		.7	.3								1.7	7.3
ESE	.7											.7	2.7
SE	.7	1.7	.7									1.7	4.2
SSE	1.7	.7	1.7	.3								3.7	6.2
S	.7	2.7	1.7	.3								6.7	5.0
SSW	.7	1.7	3.7	1.7								11.0	6.2
SW	.7	2.7	.7	.3								6.2	4.4
WSW	.7	2.3	1.7	.3								5.7	5.1
W	.7	3.7	2.7	1.7								10.3	5.0
WNW	.7	2.7	1.7	2.3	.7							9.7	5.0
NW	1.7	1.7	1.7	1.7	.3							6.7	8.1
NNW		1.7	1.7	.3								3.7	6.7
VARBL													
CALM												19.7	
	22.7	27.0	21.7	2.7	1.0							110.0	4.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 107 SOUTH WYOMING, WY STATION NAME 73-40 YEARS 1949
ALL WEATHER MONTH 24
 CLASS 24
 HOURS (L.S.T.) 24
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.3	.3								7.0	5.2
NNE	.7	1.7	2.3									3.7	7.5
NE		1.7	1.7									2.3	7.0
ENE		.3		.7								1.7	2.0
E	1.7	.3	.7	.7								2.7	4.1
ESE			.7									.3	5.0
SE	.7	.3	.3	.3								1.7	6.0
SSE	1.7	.7										2.0	2.5
S	1.7	2.7	2.0	.7	.7							7.0	6.8
SSW	1.7	3.7	2.7	.7								8.3	6.4
SW	1.7	2.0	1.3	.3								4.7	5.9
WSW	1.3	3.0	2.7									7.0	5.9
W	.3	5.3	4.0	.3								12.0	5.0
WNW	2.7	2.7	2.7	1.0	.3							9.3	6.5
NW	1.7	1.0	2.7	.7								5.3	7.2
NNW	.7	1.0	2.7									4.3	7.1
VARBL													
CALM												11.0	
	10.7	27.7	27.3	5.3	.7							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1471 SOUTH WYOMOUTH, NC STATION NAME 73-01 YEARS ADP SOUTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	3.7	1.3								7.7	7.2
NNE	.7	.7	2.7	.3								3.7	7.5
NE	.7	1.7	.3	.3								3.7	5.0
ENE	1.7	1.3	.3	.3	.3							3.7	6.5
E	1.7	1.3	.7	.7								4.7	5.2
ESE		1.7										1.7	2.3
SE			.7	.3								.7	12.0
SSE	1.3	1.0	1.3									3.7	5.1
S	2.7	2.3	1.3	.7								7.7	5.7
SSW		1.7	4.7	.7								6.3	7.9
SW	1.7	2.3	3.7	.7								7.7	7.2
WSW	.3	2.7	1.0	.7								4.7	7.3
W	.7	4.7	7.7	1.7	.3							16.3	7.4
WNW		2.3	3.3	2.7	.3	.3						9.0	12.0
NW	.7	2.7	3.7	1.0								9.7	6.7
NNW	.7	2.7	2.0									4.7	5.9
VARBL													
CALM												7.7	
	15.7	29.0	35.7	11.3	1.0	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 500

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WEYMOUTH, MA 73-90 YEARS APR MONTH 10 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	3.7	.7								7.3	5.5
NNE	1.7	2.7	3.7	2.7								9.0	7.7
NE	.7	.7	2.7	.7								4.0	8.6
ENE	.7	.7	1.7	.7								3.0	8.4
E	1.7	.7	1.7	.7								3.7	6.1
ESE		1.7	.3									1.7	6.0
SE	.7	.2	.7									1.7	5.0
SSE		.7	.7	.7								2.0	9.5
S		2.3	2.3	1.7	.3							6.7	9.1
SSW	.7	2.0	3.7	2.7								8.2	8.8
SW		1.0	2.3	1.7	.3							5.3	9.8
WSW	.7	.3	2.7	.3	.3							4.3	9.0
W		.3	5.7	7.3	1.0							14.3	11.8
WNW	.3	2.3	2.7	6.3	.3							11.3	10.5
NW	.7	1.7	3.0	3.0								8.0	9.2
NNW	.7	1.7	3.3	1.0								6.7	7.5
VARBL													
CALM												3.0	
	1.7	12.0	38.7	28.7	2.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 770

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WYOMOUTH, RI 73-82 YEARS APR MONTH 13 HOUSE (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.7	.3								4.3	7.0
NNE	.7	1.7	2.7	1.7								6.0	8.5
NE	1.7	2.7	1.7	1.7	.3							7.7	8.3
ENE		1.7	1.3	.3								2.7	7.4
E	.7	2.7	1.7	.7								5.7	6.6
ESE	.7	1.7	.7		.3							2.3	7.9
SE		.7	1.7									1.7	7.0
SSE		.7	1.7	.7	.3							2.3	10.1
S	.7	.7	3.3	3.0								7.2	9.7
SSW	1.7	.7	2.7	5.0								8.7	10.5
SW		1.7	1.7	.7	.3							3.7	9.4
WSW	.7	2.7	2.7	.7								6.3	7.8
W	1.7	1.7	5.7	8.0	1.0	.7						18.0	11.2
WNW	.7	.3	4.7	8.3	1.0							14.0	12.0
NW	.7	1.3	1.7	1.7		.3						5.0	9.9
NNW	.7	.3	2.3	1.3								4.3	7.2
VARB													
CALM												1.7	
	5.7	19.3	34.7	33.7	3.3	1.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 SOUTH WEYMOUTH, MA 73-00
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
APR NORTH
16
MOVES (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	.7	.7	1.3	1.7	.3							3.7	9.0
NNE	.3	1.7	3.7	.7								5.7	7.8
NE	.7	1.3	1.7	.3								4.7	6.7
ENE	.7	2.7	2.3	.3								6.7	6.4
E	2.7	3.3	3.7	.3								9.7	5.3
ESE	.7	1.7	1.3									3.7	6.0
SE			1.3	.3								1.7	9.0
SSE	.7	1.3	1.7	1.7								3.7	8.2
S	.7	1.7	4.7	4.3	.3							10.7	10.5
SSW		1.7	1.7	6.3	.7							9.7	11.7
SW		.7	1.7	.7								2.7	9.3
WSW	.7		1.3	1.7	.3							3.3	9.4
W	1.7	1.3	4.7	6.7	2.7							15.7	11.8
WNW	.3	1.3	3.7	5.3	.7							11.3	10.6
NW		.3	3.7	4.7								8.7	10.8
NNW		.7	1.7	.7								2.3	9.6
VARB													
CALM												1.7	
	2.7	18.7	35.3	33.7	4.3							100.7	9.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1971 SOUTH WEYMOUTH, MA 73-82 AP: 19
STATION MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.7	.7		.7						3.3	5.8
NNE	.7	2.7	1.7	.3								4.7	6.4
NE	2.7	.7		.7								3.7	7.7
ENE	1.7	1.7		1.7								3.7	6.7
E	2.7	1.7	.7									4.3	4.3
ESE	2.7	.3	.7									3.7	3.5
SE	1.7	.3	.3									1.7	4.2
SSE	1.7	3.7	.7	.7								6.7	5.4
S	2.7	4.7	6.7	1.3								15.3	6.4
SSW	.7	1.7	5.7	4.7								11.7	7.2
SW	1.7	.3	.3	.7								2.7	5.8
WSW	.7	.3	.3	.7			.3					2.3	9.9
W		2.7	5.7	2.3								10.7	8.7
WNW	.7	3.7	3.7	2.7	.3							11.7	8.1
NW		.7	2.7	2.3	.3							5.7	10.9
NNW		.7	.7	1.7	.3							3.7	11.2
VARB													
CALM												8.7	
	17.7	24.7	28.7	19.7	1.7	.3	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

167 STATION SOUTH WEYMOUTH, MA 73-82 YEARS 8PC
STATION NAME NORTH
ALL WEATHER CLASS 22
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	2.0	.3								5.7	5.9
NNE	.7	.7		.3								1.7	6.2
NE	1.7		.7	.3								2.0	6.8
ENE	.7	.3	1.7	.7								2.3	6.4
E	1.7		1.7									2.0	5.5
ESE	.7		.7									1.0	4.0
SE		.3										.3	4.0
SSE	1.7	1.3	.7									3.0	4.3
S	2.0	6.0	3.3	.7								12.0	6.1
SSW	2.7	3.0	4.7	2.3								12.7	7.1
SW	1.7	2.0	1.7									5.3	4.9
WSW	1.7	1.3	.3	.3								3.3	5.5
W	2.0	4.7	4.3	.7	.3							12.0	6.6
WNW	1.7	2.3	3.0	.7								7.7	6.6
NW	1.0	1.7	1.3	1.3	.3	.3						6.0	8.8
NNW	1.7	1.3	1.3	1.3	.3							6.0	7.7
VARBL													
CALM												17.0	
	20.3	26.7	25.7	9.0	1.0	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WEYMOUTH, MA 77-80 YEARS APR MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	2.0	.6	.7	.7						5.9	6.5
NNE	.5	1.2	2.0	.7								4.5	7.4
NE	1.0	1.0	1.1	.5	.0							3.7	6.8
ENE	.8	1.0	.7	.5	.0							2.9	7.3
E	1.0	1.2	1.1	.4								4.0	5.5
ESE	.7	.7	.5		.7							1.8	5.4
SE	.7	.4	.5	.1								1.4	6.2
SSE	.0	1.2	.0	.4	.0							3.4	6.2
S	1.4	2.0	3.0	1.6	.1							9.0	7.3
SSW	1.1	2.0	3.5	2.6	.1							9.5	8.4
SW	1.0	1.5	1.5	.6	.1							4.7	6.8
WSW	.0	1.5	1.5	.5	.1		.0					4.5	7.2
W	1.4	3.0	4.0	3.5	.6	.1						13.5	9.0
WNW	.5	2.3	3.0	3.7	.5	.7						10.3	9.3
NW	.0	1.3	2.5	1.9	.1	.1						6.7	8.8
NNW	.7	1.1	1.0	.8	.1							4.4	7.8
VARBL													
CALM												9.9	
	14.7	24.0	30.6	10.7	1.8	.2	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-7-73 SOUTH WYOMOUTH, MA 73-92 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
71
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	4.0	1.0		0.3							9.0	5.3
NNE	1.0	1.6	1.0	0.3								5.0	5.0
NE	0.0	1.0	1.0									2.0	5.0
ENE	1.0		0.6									2.0	4.6
E	1.0	0.6										1.0	3.5
ESE	1.0											1.0	2.3
SE	1.0		0.7									1.0	3.5
SSE	1.0	1.0	1.0									3.0	4.2
S	0.1	0.1	2.0	0.6								17.4	4.5
SSW	1.0	4.2	2.0									10.0	5.0
SW	1.0	1.0	0.3									4.0	4.0
WSW	0.0	0.0	0.3									1.0	4.0
W	0.0	1.0	1.0	0.3								6.0	4.4
WNW	1.0	0.0	0.3									2.0	3.0
NW	1.0	2.0	0.3	0.3								5.0	4.5
NNW	1.0	0.3	1.0									2.0	5.0
VARBL												0.0	
CALM												0.0	
	32.0	27.1	10.0	1.0	0.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 110

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WEYMOUTH, MA 73-82 YEARS MAY MONTH 04 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	3.3	1.0		0.3							7.4	2.1
NNE	1.0	1.0	1.0	0.6								8.4	5.6
NE	1.0	1.9	1.0	0.3								4.2	5.3
ENE	0.7	0.3										0.6	3.0
E		1.0	0.3									1.3	2.3
ESE	0.7											0.3	2.0
SE			0.7									0.3	10.0
SSE	1.7	2.3	0.6									4.7	4.6
S	7.1	5.5	2.6	1.0								16.1	4.5
SSW	0.4	3.5	1.0									7.4	4.4
SW	0.7	1.3	0.3									1.0	5.5
WSW	1.6	1.0	0.6									3.2	4.2
W	1.0	2.6	1.0									6.6	5.0
WNW	1.4	1.3	1.0									3.0	4.5
NW	0.6	3.5										4.2	4.4
NNW	1.0	0.6	0.6	0.3								3.3	4.7
VARBL													
CALM												25.0	
	24.0	33.2	12.2	2.3	0.3							100.2	3.6

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147

SOUTH WEYMOUTH, MA

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

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	1.0	5.0	2.3	.6	.3							10.0	6.4
NNE	2.3	4.2	1.6	.6								8.7	5.9
NE	1.0	1.9	2.3	1.0								6.1	6.6
ENE	.6	1.3	.3	.3								2.6	6.0
E	.6	1.3	.3									2.3	4.4
ESE	.6	.6										1.3	3.7
SE	.3	1.3										1.6	4.0
SSE	1.0	2.9	1.3	.6								5.9	5.9
S	3.5	7.1	2.3	.6								13.0	5.2
SSW	2.3	3.2	2.3	.3								8.1	5.5
SW	1.6	1.9	1.3	.3								5.2	5.2
WSW	1.0	1.9	1.0									3.9	4.9
W	1.3	3.9	2.9	1.0								9.0	5.6
WNW	1.0	1.9	1.3	.6								4.9	6.5
NW	.6	1.0	2.9	1.6								6.1	8.2
NNW	.6	2.6	1.9	.3								5.0	6.4
VARBL													
CALM													
	17.4	42.9	23.9	8.1	.3							100.7	5.6

TOTAL NUMBER OF OBSERVATIONS

710

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 14771 SOUTH WEYMOUTH, MA 73-82 73 82 17
STATION NAME YEARS MONTH HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	1.3	.3								7.1	6.6
NNE	1.7	1.9	3.2	1.9								9.7	7.6
NE	.7	2.6	1.9	1.0								6.1	7.4
ENE	.7	1.7	1.7									2.3	5.9
E	1.9	2.3	.6									3.2	4.7
ESE	1.9	1.9	.7	.3								2.6	4.6
SE	.3	1.9	.6									1.5	5.2
SSE	1.9	1.9	1.9									3.9	6.9
S	2.3	3.9	5.9	1.3								13.2	6.7
SSW	.6	2.3	2.3	2.3								7.4	6.9
SW	1.3	1.9	1.9	1.3								6.5	7.3
WSW	.6	3.9	2.3									6.5	6.4
W	.6	2.9	4.2	1.9	.6							10.3	5.7
WNW	.3	1.6	2.9	.6								5.5	7.8
NW	.6	1.7	1.7	1.7								4.7	7.5
NNW	.6	2.6	1.6	1.9								5.9	7.9
VARBL													
CALM												3.7	
	14.2	34.2	34.5	17.9	.6							170.7	6.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1977 SOUTH WYOMOUTH, MA 73-82 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
17
HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	1.7	.3								5.5	6.0
NNE	.6	2.3	1.7	1.3								6.1	7.6
NE	1.7	4.2	2.9	.6								9.4	6.4
ENE	1.7	2.3	2.3	.3								6.5	5.9
E	1.7	2.6	2.6									6.3	5.7
ESE	.6	1.7	.3									1.7	4.2
SE	.6	.3	1.7									1.6	6.4
SSE		2.3	1.3									3.5	6.5
S	.6	4.2	5.7	3.5	.6							13.9	9.5
SSW	.6	.6	3.5	3.9								9.4	9.9
SW	.6	1.3	1.7		.3							3.5	7.3
WSW	.6	1.7	4.2	1.7								6.7	9.4
W	.6	2.3	2.6	2.9	.6							6.7	9.3
WNW	1.7	1.3	3.5	.3								6.1	7.5
NW	.3	.3	1.6	1.6								3.5	7.8
NNW	1.7	.6	1.3	.6								3.5	6.7
VARBL												1.7	
CALM													
	11.3	37.7	32.1	17.4	1.6							100.7	7.6

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

AD A/50 842

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SOUTH WEYMOUTH MASSACHUSETTS(U) NAVAL OCEANOGRAPHY
COMMAND DETACHMENT ASHEVILLE NC AUG 84

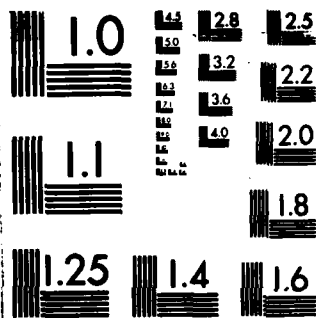
24

UNCLASSIFIED

F/G 4/2

NI

A large grid of graph paper with a 10x10 grid of squares. The top-left corner of the grid is missing, showing a white background.



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

3
14700
725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-62
YEARS

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.6	1.0								5.2	7.0
NNE	.3	2.6	4.2	.3								7.4	7.3
NE		2.3	1.9									4.2	6.5
ENE	.6	3.9	2.3									6.8	6.1
E	.6	6.5	1.9									9.0	5.7
ESE	1.3	3.2	1.6									6.1	5.1
SE	.6	1.6	1.3	.3								3.9	6.2
SSE	.6	1.6	1.3									3.5	5.8
S		1.9	6.1	6.5	.6							17.1	10.2
SSW	.6		5.2	5.2	.3							9.4	10.1
SW		.3	.3	1.0								1.5	11.6
WSW	.3	.3	1.6	.3								2.6	7.5
W	.3	1.6	5.2	2.9	.3							10.3	9.2
WNW	1.0	1.3	1.9	2.9	.3							7.4	9.0
NW		1.0	1.6	1.6								3.2	8.9
NNW		1.0	.3									1.3	5.8
VARBL													
CALM												1.0	
	7.7	30.3	40.3	19.0	1.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-73
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	1.7	.3								4.5	5.5
NNE	2.6	1.9	2.3	.3								7.1	5.3
NE	1.3	2.6	1.6									5.5	5.1
ENE	2.3	1.0	.6									3.9	3.7
E	2.6	1.6	.3									4.5	3.2
ESE	1.6	1.9	.3									3.9	3.9
SE	1.7	1.0	.6									2.6	4.3
SSE	1.6	3.9	1.3									6.8	5.0
S	1.9	11.3	9.4	2.3								24.8	6.7
SSW	.6	4.8	4.4	1.6								11.9	7.2
SW	.6	1.0	.6									2.3	5.0
WSW	1.3	.6		.3								2.3	4.9
W	1.0	1.9	1.9	.3								5.2	6.3
WNW	1.0	.3	.3	1.6								3.2	3.7
NW		1.9	.6									2.6	6.0
NNW	.3	.3	1.6									2.3	6.1
VARBL													
CALM												6.8	
	20.6	38.4	27.4	6.8								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14779
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-P2
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	2.3	4.5	2.6	.3	.3							10.3	5.8
NNE	2.3	2.3	1.3									5.8	4.4
NE	1.0	1.6										3.5	3.8
ENE	1.0	.6	.6									2.3	4.0
E	.6	.6										1.3	3.0
ESE	.6	.6										1.3	3.8
SE	1.3	.6	.3									2.6	4.4
SSE	2.6	1.9	.3									4.8	3.9
S	5.5	17.3	5.2	1.3								71.9	5.3
SSW	3.0	5.3	3.2	.3								13.2	5.2
SW	1.3	1.0	1.0									4.2	4.6
WSW	1.0	.3	.3									1.6	3.4
W	1.6	1.6	1.0									4.2	4.4
WNW	.3	.6	.3	.3								1.6	6.6
NW	1.3	1.0		.3								2.6	4.9
NNW	.6	.6	.3	.6								2.3	6.7
VARBL													
CALM												16.5	
	29.1	35.5	16.8	2.9	.3							170.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147
STATION

SOUTH WEYMOUTH, MA

STATION NAME

73-82

YEARS

MAY

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	1.5	3.5	1.7	.4	.2							7.4	5.8
NNE	1.5	2.7	2.3	.7								7.2	6.3
NE	1.1	2.3	1.6	.4								5.3	6.0
ENE	1.0	1.4	1.0	.1								3.4	5.4
E	1.0	2.1	.8									3.9	4.9
ESE	.9	1.0	.3	.0								2.3	4.2
SE	.6	.7	.6	.0								2.0	5.1
SSE	1.2	2.1	1.1	.1								4.6	5.2
S	3.6	6.3	5.1	2.1	.2							17.3	6.4
SSW	1.8	3.1	3.1	1.5	.0							9.5	6.9
SW	.0	1.5	1.7	.3	.0							3.7	6.0
WSW	.9	1.3	1.3	.3								3.8	6.3
W	1.3	2.3	2.6	1.2	.2							7.6	7.2
WNW	1.0	1.1	1.5	.8	.0							4.4	7.2
NW	.7	1.6	1.0	.7								4.0	6.8
NNW	.2	1.1	1.1	.4								3.3	6.3
VARB													
CALM												10.4	
	17.9	34.1	26.1	8.9	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14701 STATION SOUTH WEYMOUTH, MA 73-82 YEARS JUN NORTH
CLASS ALL WEATHER C1
CONDITION

SPEED (KNTS) DIR.	1 - 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	.7	1.0								3.7	6.8
NNE	1.7	.3	1.0	.7								3.7	5.9
NE	.3	.7										1.0	4.0
ENE	.7	.7	.3									1.7	4.2
E	1.3											1.7	2.0
ESE		.7										.7	4.5
SE			.3									.3	8.0
SSE	3.0	1.7	1.0									5.7	3.9
S	9.0	8.3	6.7	.7								24.3	4.9
SSW	3.3	3.7	3.0	.3								10.3	5.2
SW	2.0	1.7	.7									4.3	4.4
WSW	2.0	2.3										4.3	3.4
W	2.3	2.3	2.3									7.0	5.0
WNW	1.0	1.7	.7									3.3	5.0
NW	2.7	1.7	.7									5.0	4.1
NNW	1.0	.7	.3									2.0	4.2
VARBL													
CALM												21.3	
	31.7	27.0	17.3	2.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473

SOUTH WEYMOUTH, MA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

74

HOUSE (L.S.T.)

ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	1.0	.3								4.0	5.1
NNE	.7	1.0	1.0									2.3	6.1
NE	1.0	1.7	.7	.3								3.7	5.5
ENE		.3										.7	5.0
E	.7	.3										1.0	4.0
ESE	.7	.3	.3									1.7	4.5
SE		.3										.3	4.0
SSE	4.3	2.3	.7									7.3	3.6
S	7.0	6.3	5.0	.3								18.7	4.9
SSW	3.3	5.3	2.0	.3								11.0	5.0
SW	1.0	.3										1.7	3.0
WSW	3.0	1.3	.7									5.0	3.5
W	7.0	2.3	.7									6.0	4.0
WNW	3.3	1.0	.7									5.0	3.6
NW	1.3	1.0	.7									3.0	4.3
NNW		2.0	1.0									3.0	5.9
VARIABLE													
CALM												26.7	
	30.3	27.3	14.3	1.3								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14707 STATION SOUTH WEYMOUTH, MA 73-82 YEARS MONTH JUN
STATION NAME CLASS ALL WEATHER HOURS (LST) 07
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.7	1.0	.3								5.3	4.6
NNE	.3	1.7	2.0	.3								4.3	6.5
NE	.3	1.7	.3	.7	.3							3.3	7.9
ENE	.7	1.0										1.7	4.2
E	2.0	.7										2.7	2.9
ESE	.7	.3	.7	.3								1.7	6.0
SE	.3	.3										.7	2.5
SSE	1.7	1.0	2.0									4.3	5.8
S	5.0	7.3	6.0	.7								19.0	5.6
SSW	2.7	5.3	3.3	.3								11.7	5.7
SW	1.7	2.7	1.7	.3								6.3	5.7
WSW	1.3	2.0	1.7									5.0	5.1
W	1.3	4.7	2.3	.3								8.7	5.8
WNW	2.0	.7	3.7	.7								7.0	6.5
NW	1.3	2.7	2.3	.3								6.7	5.0
NNW	1.7	2.0	2.0	.7								6.3	5.4
VARIABLE													
CALM												5.3	
	25.7	35.7	28.7	5.0	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 100

8805

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 SOUTH Weymouth, MA 73-20 YEARS JUN
STATION STATION NAME MONTH
ALL WEATHER 10
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	2.7	1.7	.7								7.3	5.4
NNE	1.0	3.3	1.7	1.7								7.0	7.1
NE	.7	1.7	1.3	1.0	.3							4.3	9.2
ENE	.3	1.3	.7									2.3	5.6
E	1.7	2.0	.7									4.0	4.4
ESE	.3	.7	.7									1.7	5.6
SE		1.3										1.3	5.0
SSE	.7	1.7	1.7									4.0	6.0
S	1.7	6.0	7.0	2.0								16.3	7.2
SSW	1.0	4.3	5.0	2.3								12.7	7.9
SW	.7	1.0	2.7									4.7	6.8
WSW	.3	2.0	3.3	.3								6.7	7.3
W	1.7	2.0	4.7	.7								8.7	7.3
WNW	.7	3.7	3.7	.3								7.7	6.7
NW	.3	2.0	1.3	1.0								4.7	7.8
NNW	1.3		1.7	1.0								4.0	7.8
VARBL													
CALM												4.7	
	17.3	34.3	37.0	11.0	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



3

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147	SOUTH WEYMOUTH, MA	73-82	JUN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			17
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.7	.7								4.3	7.3
NNE	.7	1.7	2.7	1.7	.7							5.7	8.7
NE	1.7	1.7	1.7	1.3								5.7	7.6
ENE	.3	2.3	1.7									4.3	6.5
E	2.3	2.7	2.3									7.3	5.3
ESE	.3	1.7	.3									1.7	5.4
SE	1.7	.3	.3	.3								2.0	4.8
SSE	1.7	2.0	2.7	.3								6.0	6.5
S	.7	5.3	8.7	2.7								17.3	7.9
SSW	1.3	2.7	5.7	2.7	.3							12.0	8.3
SW		.7	2.3	1.7								4.7	9.0
WSW		2.0	3.3	.7								6.0	7.8
W	.3	2.0	7.7	2.3								12.3	8.9
WNW	.3	1.0	1.0	1.7								4.0	5.8
NW		1.3	1.0	.7								3.0	7.9
NNW		.3	1.7	1.3								3.3	9.9
VARBL													
CALM												1.0	
	9.3	23.7	43.3	16.7	1.0							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1973 SOUTH WEYMOUTH, MA 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST) 16

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.0	.3								2.3	7.9
NNE	.7	1.7	2.3	1.0								5.7	7.6
NE	.7	2.0	1.0									4.7	5.8
ENE	2.3	2.3	1.7	.3								6.7	5.4
E	1.7	4.3	1.7									7.7	4.9
ESE		2.0	3.0									5.0	6.7
SE		1.7	1.3									2.7	6.8
SSE	.3	.3	2.3	.3								3.3	8.1
S	1.7	3.0	11.3	5.3								21.3	4.8
SSW	.7	2.0	5.0	3.0	.3							10.7	7.2
SW	.7	1.3	3.3	.3	.3							6.0	8.0
WSW	.7	2.7	1.7	1.0								5.3	7.3
W		4.0	3.0	1.0								8.0	8.0
WNW	.7	1.0	2.7	1.0			.7					5.3	9.3
NW	.3	.3	2.0	.7								3.3	5.4
NNW	.7	.3	.7									1.3	6.8
VARBL													
CALM												.7	
	10.0	30.3	43.7	14.3	.7		.3					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 STATION 1473 SOUTH WEYMOUTH, MA STATION NAME 73-00 YEARS MONTH 19

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.3	1.0	.7								3.3	6.6
NNE	1.0	.7	1.7		.3							3.7	7.1
NE	1.0	1.0	.3									2.3	5.0
ENE	1.7	1.0	1.0									3.7	4.4
E	2.0	1.3										3.3	3.2
ESE	2.7	1.7										4.3	3.4
SE	2.3	.3										2.7	2.5
SSE	2.7	2.7	2.3									7.7	5.1
S	3.0	13.0	12.7	.3								19.0	6.5
SSW	1.0	4.0	6.3	.3								11.7	6.9
SW	.7	1.3	1.0									3.0	6.0
WSW	.7	1.0	.3									2.0	4.2
W	1.7	2.0	2.3									5.7	5.8
WNW		1.7	1.7	1.0								4.3	3.2
NW		1.0	.3									1.7	5.0
NNW	.7	.7										1.7	4.3
VARBL													
CALM												11.0	
	21.3	34.0	31.0	2.3	.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 107 SOUTH WEYMOUTH, MA STATION NAME 73-27 YEARS MONTH JUN
CLASS ALL WEATHERS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.7								4.7	6.0
NNE	1.7	.3	.7	.7								3.7	5.3
NE	.3	1.7	.7	.7								3.7	4.3
ENE	1.7		.7									1.7	3.5
E	1.7	1.7	.7									2.7	4.0
ESE	1.7		.7									1.7	4.5
SE	.7		.7									.7	5.7
SSE	.7	.7	1.7									4.7	4.1
S	.7	14.7	7.7	.7								26.7	5.7
SSW	.7	7.7	3.7									14.7	5.7
SW	.7	2.7	.7									5.7	3.9
WSW	1.7	2.7	.7									3.7	4.3
W	.7	2.7	.7									5.7	3.6
WNW	.7	1.7	.7	.3								3.7	5.6
NW	.7	1.7	.7	.3								2.7	5.0
NNW	.7	.7		.3								1.7	5.6
VARBL												26.7	
CALM													
	22.7	35.7	16.7	2.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 STATION SOUTH WEYMOUTH, MA 73-82 YEAR JUN MONTH
STATION NAME CLASS ALL MONTH ALL DAY
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	1.0	.6								4.3	6.1
NNE	.0	1.3	1.5	.6	.1							4.4	7.0
NE	.7	1.5	.7	.5	.1							3.4	6.8
ENE	.5	1.1	.7	.7								2.7	5.2
E	1.5	1.6	.6									3.7	4.3
ESE	.7	.5	.6	.0								2.2	5.2
SE	.5	.5	.3	.0								1.3	4.7
SSE	.0	1.5	1.7	.1								5.3	5.2
S	4.0	7.9	6.1	1.5								31.5	6.4
SSW	2.7	4.3	4.2	1.2	.1							11.7	6.7
SW	1.1	1.4	1.5	.2	.0							4.2	6.1
WSW	1.1	1.0	1.4	.2								4.7	5.7
W	1.5	2.7	2.9	.5								7.7	6.5
WNW	1.0	1.4	1.0	.6			.0					4.9	6.8
NW	.0	1.4	1.1	.4								3.6	6.2
NNW	.7	.0	.9	.4								2.9	6.7
VARBL													
CALM												11.3	
	20.0	31.6	29.2	7.0	.3		.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1471 SOUTH WEYMOUTH, MA 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
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		2.3	.3	.3								2.7	5.6
NNE	.7		.7									.6	5.0
NE	.3											.3	2.0
ENE	.7	.3										.6	2.5
E		.3										.3	4.0
ESE	1.0											1.0	1.7
SE	.6	.3										1.7	2.7
SSE	2.0	1.3	.7									4.5	3.5
S	4.5	9.7	4.2	1.7								21.3	4.9
SSW	3.2	4.8	2.6	.6								11.3	5.1
SW	3.2	1.7										5.7	3.3
WSW	2.6	1.6										4.7	3.1
W	5.2	2.6	.3									8.1	3.2
WNW	1.3	1.9										3.2	3.7
NW	1.0	.3		.3								1.6	5.0
NNW	1.0	1.3	1.0	.3								3.5	6.0
VARB.													
CALM												70.3	
	25.4	26.7	9.7	2.6								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14720 STATION SOUTH WEYMOUTH, MA 73-82 YEARS JUL MONTH 04 HOURS (L.S.T.)
ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.3									3.5	4.4
NNE	1.0	.3										1.3	2.8
NE	1.0											1.0	2.7
ENE		.3										.3	5.0
E	.6	.3										1.0	2.3
ESE													
SE	1.0											1.0	1.7
SSE	2.3	.3	.3									2.9	2.8
S	6.0	6.5	3.2	.3								16.8	4.4
SSW	2.6	3.2	2.9	.3								9.0	5.4
SW	1.6	1.9	1.0		.3							4.8	5.1
WSW	2.6	.3	.3									3.2	3.2
W	1.9	2.6	.6									5.2	3.9
WNW	3.2	1.3										4.5	3.1
NW	3.9	1.6	.3									5.8	3.3
NNW	1.3	1.3	1.0									3.5	4.8
VARBL													
CALM												36.1	
	31.0	21.0	10.0	.6	.3							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1472 SOUTH WYOMOUTH, MA 73-92 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
07
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	1.0	1.0	1.0									5.8	4.8
NNE	1.6	1.3	.6									3.5	4.0
NE	1.0	.3										1.3	3.0
ENE	.3	1.0										1.3	4.0
E	1.0											1.0	1.7
ESE	.3											.3	3.0
SE	2.6											2.6	1.6
SSE	4.2	.3										3.5	2.5
S	3.5	6.1	4.2	1.3								15.8	5.9
SSW	1.0	7.4	3.2									12.6	5.2
SW	1.3	2.3	2.3									5.8	5.7
WSW	3.2	2.9	.3									6.5	2.6
W	3.2	5.5	1.9									10.6	4.4
WNW	2.9	3.9	1.0									8.7	4.7
NW	1.0	2.6	1.0	.6								6.1	6.0
NNW	.6	3.2	1.0	.6								6.5	5.4
VARBL													
CALM												8.1	
	29.7	38.7	21.0	2.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14731 STATION SOUTH WEYMOUTH, MA 73-82 JUL
STATION NAME YEARS MONTH
ALL WEATHER CLASS 10
CONDITION HOURS (U.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	1.5	6.1	2.3									10.0	5.3
NNE	1.4	1.6	1.3	.3								4.8	5.2
NE	1.7	1.0										1.9	3.2
ENE	1.0	.6	.3									1.9	4.3
E	.6	1.6	.3									2.6	4.3
ESE	.6	1.0										1.6	3.4
SE	.3	.6	.3									1.3	5.5
SSE	.6	2.3										2.9	4.4
S	3.2	4.8	3.5	1.3								12.9	6.3
SSW	1.0	6.1	3.9	1.0								11.9	6.4
SW	1.7	1.6	4.9	.6								8.1	7.6
WSW	2.6	3.5	5.2	.3								11.6	6.0
W	1.9	4.5	2.0	.3								9.7	5.7
WNW	.6	3.2	2.9									6.8	6.3
NW	1.3	1.3	1.6		.3							4.5	6.6
NNW		1.3	2.3	.3								3.9	7.7
VARBL													
CALM												3.5	
	19.0	41.3	31.6	4.2	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147-1 STATION SOUTH WEYMOUTH, MA 73-92 YEAR JUL MONTH 17 HOUR (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	1.3									7.1	4.7
NNE	.6	1.9	1.6	.3								4.5	6.1
NE	1.3	2.6	.3									4.2	4.6
ENE	1.9	1.6	.6									4.2	4.0
E	2.3	1.3	1.3	.3								5.2	5.1
ESE	.3		.7									.6	4.5
SE		.6										.6	5.5
SSE	.6	1.9	1.0	.3								3.9	6.0
S	1.3	6.1	4.3	2.6								14.8	7.5
SSW	1.0	2.6	7.1	1.6	.3							12.6	8.1
SW	.7	2.3	3.8	1.3								7.7	8.2
WSW	.6	3.9	2.9	.6								8.1	6.8
W	1.0	3.2	6.1	1.6								12.9	7.2
WNW	.7	2.3	1.9	.3								4.8	6.9
NW	.3	1.6	1.6	1.0								4.5	7.9
NNW	.6	.6	.6	.6								2.6	6.8
VARB.													
CALM												1.4	
	15.5	36.5	35.5	10.6	.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 710

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14750
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

16
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	1.0	1.6	.3									2.9	4.6
NNE		2.6	.7									2.9	5.6
NE	.6	2.3	.7									3.2	4.8
ENE	2.3	1.3										3.5	3.2
E	4.2	5.8	1.6									11.6	4.3
ESE	1.3	1.0	.6									2.9	4.8
SE	.3	2.3	.3									2.9	4.8
SSE	.6	2.6	1.6									4.8	6.1
S	.3	3.5	9.7	2.9								16.5	8.2
SSW	.3	3.2	7.1	3.5								14.2	5.7
SW	.3	1.0	2.3	1.0								4.5	8.0
WSW	1.0	1.6	1.9	1.0								5.5	6.9
W	1.3	3.9	7.1	.3								12.6	6.8
WNW		1.3	2.9	1.0								5.2	8.3
NW		.3	1.6	1.0								2.9	12.2
NNW		1.0	1.0									1.0	6.8
VARBL													
CALM												1.9	
	13.5	35.2	38.7	10.6								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 SOUTH WEYMOUTH, MA 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 19
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6	.6	.3								2.9	5.2
NNE	.5	.3	.6									1.6	5.0
NE	.7											.3	3.0
NNE	1.7											1.3	2.0
E	7.9	.3										4.2	2.2
ESE	3.9	.6										4.5	2.3
SE	2.3											2.3	2.3
SSE	4.5	4.5	.7									9.4	3.5
S	2.6	13.2	11.6	2.3								29.7	6.4
SSW	2.3	2.6	3.2	1.7								9.4	6.4
SW	1.7	2.6	.3									4.2	3.7
WSW	1.6	3.9	.3									5.8	4.3
W	1.6	2.6	1.9									6.1	5.5
WNW	1.7	.6	.3	.3								2.6	4.4
NW	.3	1.3	.6									2.3	5.7
NNW		.3	.7		.3							1.0	10.0
VARBL													
CALM												11.7	
	29.7	33.9	20.3	3.9	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14700 STATION SOUTH WEYMOUTH, MA 73-82 YEARS JUL MONTH 22 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.6	.3								2.6	5.5
NNE	.7											.3	3.0
NE	.7											.3	3.0
ENE	.3	.3	.6									1.3	6.0
E	.7											.6	1.5
ESE	.7											.3	3.0
SE	.6	.3										1.0	2.7
SSE	1.0	.6										2.6	2.9
S	10.3	11.3	7.1	1.7								29.7	5.0
SSW	8.0	6.1	3.5	.3								15.2	5.0
SW	1.7	3.5	.7									5.2	4.4
WSW	1.0	1.0										2.0	4.3
W	4.0	1.0	.6									5.4	3.2
WNW	.3	.6										1.0	3.7
NW	2.3	.3	.3									2.9	3.1
NNW	.7	.3	.3									1.3	5.0
VARB													
CALM												27.1	
	30.6	27.1	13.5	1.6								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 SOUTH WYOMOUTH, VA 73-82 JUL
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	1.2	2.4	1.0	.1								4.7	5.0
NNE	.7	1.0	.6	.1								2.5	5.0
NE	.7	.8	.1									1.5	4.0
ENE	.7	.7	.2									1.8	3.8
E	1.7	1.2	.4	.0								3.3	3.9
ESE	1.7	.3	.1									1.4	3.2
SE	1.7	.5	.1									1.6	3.2
SSE	2.1	1.7	.4	.0								4.3	4.0
S	4.3	7.7	6.1	1.6								19.7	6.0
SSW	2.2	4.6	4.2	1.0	.0							12.0	6.3
SW	1.4	2.1	1.9	.4	.0							5.8	6.0
WSW	1.4	2.5	1.4	.2								6.0	5.2
W	2.7	3.2	2.7	.3								8.9	5.3
WNW	1.2	1.9	1.2	.2								4.5	5.4
NW	1.2	1.2	1.0	.4	.0							3.9	5.9
NNW	.5	1.2	1.0	.2	.0							3.0	6.4
VARIABLE													
CALM												15.1	
	24.0	32.9	22.5	4.6	.2							110.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2410

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14701 SOUTH WEYMOUTH, ME 73-82

STATION STATION NAME YEAR

ALL WEATHER

CLAS

CONDIT

ADP MONTH 01

NOBS 1187

SPEED (KNTS) DIR.	1 - 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	1.0									4.5	5.0
NNE	1.0	1.0	.5									2.5	4.9
NE	.5	1.0	.5									1.5	5.0
NNE	.5											.3	1.0
E	.5	.5										1.0	3.0
ESE			.5									.3	1.0
SE	1.0	.5										1.5	2.6
SSE	.5	1.0	.5									3.5	3.0
S	.5	.5	2.5									16.5	4.1
SSW	.5	5.0	2.5									11.3	4.7
SW	1.0	2.5	.5									4.2	4.1
WSW	1.0	1.5										3.0	3.1
W	1.0	1.5	1.0									3.0	4.7
WNW	.5	1.5		.3								4.5	3.9
NW	.5	1.5										1.5	3.3
NNW	1.0	1.5	.5									3.5	4.1
VARB													
CALM												1.0	
	22.7	25.0	9.4	.3								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1471 STATION SOUTH WYOMOUTH, MA 73-62 YEARS 1910
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	3.5	1.6	0.3								7.7	5.1
NNE	0.7	0.6	1.7									1.0	4.0
NE				0.3								0.7	13.0
ENE	0.7		0.6									1.0	6.7
E	0.3											0.3	1.0
ESE	0.6											0.6	2.5
SE	0.7			0.3								0.6	2.0
SSE	2.2	0.3										3.5	2.5
S	2.4	4.5	1.7	0.3								13.9	3.7
SSW	3.5	3.5	1.0									9.0	4.6
SW	1.6	1.6	0.3									3.7	3.6
WSW	1.6	1.6										3.7	3.7
W	2.3	2.0	0.3									5.5	3.5
WNW	2.6	0.6	0.7									3.5	3.2
NW	3.5	1.0										5.5	3.1
NNW	1.7	1.3	1.7									3.5	4.6
VARBL													
CALM												36.1	
	31.3	22.9	9.4	1.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1977 SOUTH WYOMOUTH, MA 73-80 31.7
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	6.0	1.4									10.6	4.5
NNE	1.0	1.0	.6									3.6	5.1
NE	1.0		.2	.3								1.6	5.0
ENE													
E	.1	.3										1.0	3.3
ESE	1.0											1.0	1.3
SE	.2	.3	.2									1.0	5.3
SSE	1.0	.5										2.1	2.6
S	1.1	5.5	2.2	.3		.2						16.6	4.6
SSW	2.0	2.2	1.0	.3								5.4	5.0
SW	2.2	2.6	.6									5.5	4.1
WSW	4.5	1.6	.4									6.6	3.2
W	2.0	2.4	1.3									7.1	4.2
WNW	2.0	2.6	1.0									6.6	4.0
NW	2.4	4.5	1.3									8.4	4.7
NNW	2.3	1.6	1.5									6.5	4.5
VARBL													
CALM												10.3	
	30.4	34.5	13.5	1.0		.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME SOUTH WEYMOUTH, MA YEARS 73-80 MONTH NORTH
CLASS ALL WEATHER HOURS 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	1.0	4.0	1.0									8.7	5.3
NNE	2.3	2.0	4.5	.3								10.0	5.9
NE	.0	2.3	1.0	.3								4.0	5.7
ENE	.0											2.0	2.4
E	1.0	1.0		.3								3.0	4.0
ESE	.3	.3										.6	3.0
SE	.0	.3										2.0	2.6
SSE	1.0	1.3	.3									2.0	4.1
S	1.0	4.0	6.0	.6	.3							13.0	7.2
SSW	1.0	3.5	2.0	.3								2.7	6.1
SW	1.0	3.2	2.3	.3								7.1	6.0
WSW	.0	3.0	2.3	.3								6.0	6.0
W	.0	4.2	2.5									9.4	5.0
WNW	.0	2.6	1.3	1.0								5.0	6.7
NW	1.0	1.0	2.3									4.0	6.4
NNW	1.0	1.3	2.6	.3								5.0	5.2
VARBL													
CALM												4.0	
	27.2	30.1	30.3	3.0	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 SOUTH Weymouth, MA 73-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
17
HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.9	.6									4.8	4.9
NNE	1.3	2.9	2.9	.6								8.4	6.2
NE	1.3	2.3	2.6	.3								6.5	6.3
ENE	1.3	2.3	1.7									4.5	4.7
E	2.6	2.6	.6									5.8	4.0
ESE	.3	1.3	.3									1.6	1.4
SE	1.6		.3									1.9	3.3
SSE	.3	.6	1.3									1.9	5.8
S	1.3	2.3	5.5	2.3								11.0	8.1
SSW	1.3	2.6	5.2	1.6								10.6	7.8
SW	1.3	2.3	2.3	.3								5.5	6.2
WSW	.3	4.5	2.6	.6								8.1	6.7
W	2.6	5.5	5.2	1.3								14.5	6.4
WNW	1.3	2.3	2.9									6.1	6.1
NW	.6	1.3	1.6	.3								3.9	6.6
NNW		1.3	1.3									1.9	6.2
VARB													
CALM												2.6	
	19.4	36.1	35.5	7.4								120.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 STATION SOUTH WEYMOUTH, MA 73-82 YEARS AUG 15
STATION NAME CLASS HOURS (LST)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	.6	1.0								3.9	6.8
NNE	1.0	1.3	2.6									4.8	6.0
NE	1.6	3.2	1.6									6.5	5.3
ENE	2.6	4.8	.6									8.1	4.2
E	4.5	5.2										9.7	3.8
ESE		2.9	.3									3.2	5.2
SE	.7	.6			.7							1.3	7.5
SSE	1.7	2.3	.6									4.2	4.5
S	1.6	2.9	10.0	1.6								16.1	7.7
SSW	.7	3.2	4.5	1.3								9.4	7.6
SW	.7	2.3	1.9									4.5	6.1
WSW	.7	2.3	2.3	.6								5.5	6.8
W	1.3	4.5	4.5	.6								11.7	6.2
WNW	.3	2.6	1.6	.6								5.2	6.8
NW	.3	.6	1.0									1.9	6.3
NNW			1.3	.3								1.6	9.0
VARB													
CALM												3.7	
	15.9	40.0	33.5	6.1	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.3									4.2	5.1
NNE	1.7	.6		.7								2.9	3.8
NE	2.9		1.0									3.9	3.5
ENE	.3	.6										1.0	3.7
E	1.6	.3										1.9	2.3
ESE	2.7	.3										3.2	2.0
SE	2.3	.3										2.6	2.1
SSE	5.7	1.7	.7									6.5	2.6
S	5.5	10.0	7.7									23.2	5.3
SSW	1.3	4.5	3.9	.6								10.3	5.8
SW	1.0	1.3	.3									3.5	3.9
WSW	3.2	.6	.7									4.2	3.1
W	2.2	.6	1.6		.3							5.8	5.1
WNW	.6	1.0	1.6									3.2	5.8
NW			.6									.6	7.0
NNW	.7	.3	.6	.3								1.5	7.2
VARBL													
CALM												21.3	
	34.7	23.5	19.4	1.3	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WEYMOUTH, MA 73-92 YEARS MONTH 22
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.6	.6									3.5	4.0
NNE	1.0		.7									1.7	4.0
NE	1.0	.6	.3									1.9	3.7
ENE	.6	.3										1.0	2.3
E	.6	.3										1.0	3.7
ESE	.6	.3										1.0	2.7
SE	1.0	.3										1.3	2.5
SSE	2.9	1.7										3.9	2.8
S	12.6	9.7	3.5									23.9	4.2
SSW	4.5	4.5	1.0									11.0	4.5
SW	1.0	1.9	1.7									3.9	5.3
WSW	2.6	.6										3.2	2.8
W	2.6	2.3	1.6									6.5	4.4
WNW	.3	.3		.3								1.0	5.7
NW	.3	.6	.3									1.7	5.5
NNW	1.7	1.6	1.3	.3								4.5	5.7
VARBL													
CALM												30.0	
	33.2	25.2	11.0	.6								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14770
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-92
YEAR

ALL
MONTH

ALL WEATHER
CLASS

ALL
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	1.0	2.0	1.2	.2								6.2	5.0
NNE	1.0	1.4	1.6	.2								4.4	5.6
NE	1.1	1.2	.9	.2								3.7	5.3
NNE	1.0	1.0	.3									2.3	4.0
E	1.5	1.4	.1	.0								3.0	3.8
ESE	.7	.5	.1									1.5	3.6
SE	1.2	.3	.1	.0	.0							1.6	3.6
SSE	2.3	1.0	.3									3.6	3.3
S	5.4	5.7	4.9	.6	.0	.0						16.8	5.4
SSW	2.4	3.8	3.1	.5								9.8	5.8
SW	1.4	2.2	1.1	.1								4.7	5.1
WSW	1.0	2.0	1.0	.2								5.1	4.9
W	2.4	3.1	2.2	.2	.0							7.9	5.2
WNW	1.4	1.7	1.1	.3								4.4	5.3
NW	1.1	1.4	.9	.0								3.5	5.0
NNW	1.0	1.1	1.2	.2								3.5	5.5
VARB													
CALM												18.1	
	28.1	32.8	20.1	2.7	.1	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH Weymouth, MA 73-82 YEARS SEP MONTH

ALL WEATHER

01

CLASS

NOON (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	1.7									5.0	4.5
NNE	1.3	2.7	.7	.3								4.7	5.3
NE	.3	1.3	.7									2.0	5.0
NNE		1.3										1.3	5.0
E	1.7											1.7	1.6
ESE	.7											.7	2.0
SE	1.7											1.0	2.0
SSE	2.0	.7										3.7	2.5
S	6.7	4.3	3.3	.7								15.0	4.7
SSW	1.0	4.7	2.7									8.3	5.4
SW	1.3	1.7	.3									3.3	4.3
WSW	.7	1.3										2.0	3.8
W	2.0	3.7	1.7	.3								7.0	4.5
WNW	1.3	.3	.7									2.3	4.0
NW	2.3	3.7	.7									6.3	4.2
NNW	2.3	1.3	1.7	.3								5.0	5.0
VARS													
CALM												30.7	
	27.0	29.7	11.0	1.7								100.7	3.1

TOTAL NUMBER OF OBSERVATIONS 370

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147-7 STATION SOUTH WEYMOUTH, MA 73-82 YEARS SEP MONTH 04
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.7	1.3	.3								6.0	5.3
NNE	1.7	2.3	1.3									4.7	5.2
N E	.7	1.3	1.3	.3								3.7	6.5
ENE	.7	.3										.7	3.0
E	.7	.3										.7	2.5
ESE	.7											.3	2.0
SE	1.3											1.3	2.0
SSE	1.7	.3	.7									2.7	4.0
S	4.0	4.3	1.3	.7								10.3	4.7
SSW	1.7	4.0	2.3	.3								8.3	5.3
SW	1.3	1.0										2.3	3.3
WSW	.7	1.3	1.0									3.0	5.3
W	4.0	3.7	1.7	.3								9.0	4.5
WW	1.3	2.7	.3	.3								4.7	4.6
NW	2.7	2.3										5.0	3.4
NNW	1.7	2.3	.3									4.0	4.4
VARS													
CALM												33.3	
	24.0	29.3	11.0	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1470

SOUTH WEYMOUTH, MA

73-92

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

MOON (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	0.7	6.7	1.7	.3								10.7	5.0
NNE	.7	1.7	2.3									4.7	6.2
NE	.7	1.7	1.3	.3								4.0	6.6
ENE	.3	.7	.3									1.3	4.8
E	2.0	.7										2.7	2.6
ESE	.7	.7										1.3	3.5
SE	1.3	1.7										2.3	2.9
SSE	1.7	.3	.3									1.7	4.0
S	5.7	4.3	1.7	.7								13.3	4.4
SSW	1.7	2.3	1.3									5.3	4.8
SW	1.7	2.3	1.7									5.0	4.5
WSW	.7	1.7	.3									2.7	4.6
W	1.7	4.0	2.7	.3								6.7	5.7
WNW	3.3	2.3	1.3									7.0	4.5
NW	2.3	4.0	1.0									7.3	4.8
NNW	1.7	1.3	.7									3.7	4.3
VARB													
CALM												16.3	
	29.0	35.0	16.0	1.7								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1471 SOUTH WEYMOUTH, MA 73-82 SEP 10
STATION STATION NAME YEARS MONTH HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.3	3.0	.7								9.0	6.3
NNE	.3	3.7	3.3	1.0								8.3	7.5
NE	1.0	3.0	1.7									5.7	5.5
ENE		1.7	1.0									2.7	5.5
E	1.7	.7	.7									2.3	4.3
ESE	1.0	1.7										2.7	3.8
SE	.7	1.7	.3									2.3	5.0
SSE	1.0	1.7	.7		.7							3.7	6.1
S	2.7	5.0	3.7	.7								12.0	5.6
SSW	1.3	3.0	5.3	.7								10.3	6.9
SW		3.0	2.3									5.3	6.4
WSW	1.0	1.0	1.0									3.0	4.6
W	1.7	4.3	6.0	1.0								13.0	7.0
WNW	.3	2.0	3.0	1.3								6.7	8.0
NW	1.3	.3	2.3	.7								4.7	7.4
NNW	.7	1.3	1.3	.3								3.7	6.6
VARB													
CALM												4.7	
	14.7	38.3	35.7	6.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1475 STATION SOUTH WEYMOUTH, MA 73-82 YEAR SEP
MONTH 13
HOURS (LST)

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	2.7									5.0	6.9
NNE	.7	2.0	3.0	.3								6.0	6.4
NE	.3	2.7	3.0	.3								6.3	6.5
ENE	1.7	1.7	1.0									4.3	4.6
E	1.7	2.7	1.7									5.7	5.3
ESE	1.0	.7	.3									2.0	4.0
SE		1.7	.3									2.0	5.5
SSE	.7	.7	1.7	.3								3.0	6.8
S	.7	3.0	4.7	1.7	.3							10.3	8.2
SSW	.7	2.7	5.0	1.3								9.7	7.7
SW	.3	1.3	5.3									7.0	7.7
WSW	1.0	1.7	3.0									5.7	6.4
W	1.0	5.3	5.3	1.0								12.7	6.9
WNW	1.0	2.0	4.0	3.0								10.0	8.2
NW	.3	1.7	1.0	.3								3.3	6.7
NNW	.3	1.3	1.3	.3								3.3	7.3
VARB.													
CALM												3.7	
	11.0	33.3	43.0	8.7	.3							100.2	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14700 SOUTH Weymouth, MA 73-80 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHERS 18
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.3	5.0
NNE	1.7	3.7	2.0									7.0	5.5
NE	1.7	4.3	1.3									7.0	5.1
ENE	1.7	4.3	.3									6.2	4.4
E	1.7	5.0	.7									7.0	4.6
ESE	.7	3.3	.3									4.3	4.6
SE	.7	1.7	.7									2.0	5.0
SSE	.7	3.0	.7	.3								4.0	5.6
S	.7	5.3	5.0	1.0	.7							12.7	7.8
SSW	.7	3.0	5.3	2.0								11.0	8.2
SW	1.7	1.3	1.7	.7								4.0	6.3
WSW	.7	2.3	2.7	.3								6.0	7.2
W	1.7	6.0	4.3	1.3								13.3	6.7
WNW	.7	2.7	4.0	.3								7.3	6.9
NW		1.7	1.7	.7								3.0	7.9
NNW	.7		.7	.3								1.3	8.5
VARBL													
CALM												1.3	
	13.0	49.0	30.0	7.0	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 300

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1971 SOUTH WYOMOUTH, MA 73-82 SEP
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.0	.7								5.7	5.9
NNE	2.0	1.7	.7									3.7	4.4
NE	1.7	1.7	.3									3.0	4.2
ENE	1.7	.3										2.7	2.5
E	1.7	.3										2.7	1.7
ESE	1.7	.3										1.7	2.5
SE	2.0	.3	.3									3.7	2.5
SSE	3.7	1.7										5.3	2.8
S	.3	9.3	4.7	1.7	.3							20.7	5.5
SSW	1.7	4.7	1.3	.7								7.7	5.6
SW	1.7	.7	.3									2.7	3.5
WSW	1.7	1.7										3.7	3.3
W	2.3	2.3	.7	1.7								6.7	5.5
WNW	2.7	.7	.3									3.7	3.3
NW	.7	.7		.3								1.7	5.4
NNW	.7	.7	1.7	.7								2.7	7.8
VARS.													
CALM												78.7	
	30.3	26.7	17.7	4.3	.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1470 STATION SOUTH WEYMOUTH, MA 73-40 YEARS SEP MONTH 32 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	.7	.3								5.7	5.2
NNE	1.7	1.3	1.7									4.3	4.3
NE	1.7	1.7	.7									2.7	3.8
ENE		.7										.7	6.5
E	1.7											1.7	2.3
ESE	.7		.3									1.7	3.3
SE	1.7											1.3	2.3
SSE	7.7	.7	.7									5.7	3.1
S	7.7	4.3	3.7	.7								15.0	4.7
SSW	7.7	4.7	3.3	.3								10.3	5.7
SW	7.7	1.3	.3									3.7	3.9
WSW	7.7			.3								2.7	3.6
W	1.7	1.3	1.3	.3								4.7	5.6
WNW	.7	1.3	.7	.3								3.7	6.2
NW	1.7	.3	2.7	.3								4.7	5.7
NNW	1.7	3.0	2.3									6.7	5.5
VARIABLE													
CALM												10.0	
	22.7	22.7	16.7	2.7								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1977 SOUTH WYOMING, WY 78-79
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
SEP
PORT
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 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	7.0	1.0	.3								6.0	4.6
NNE	1.1	2.3	1.7	.2								5.4	5.8
NE	.0	2.1	1.0	.1								4.7	5.6
ENE	.7	1.4	.7									2.4	4.5
E	1.0	1.2	.4									2.7	2.9
ESE	.7	.7	.1									1.7	3.3
SE	1.1	.7	.2									2.0	3.6
SSE	1.0	1.1	.5	.1	.2							3.6	4.2
S	4.0	4.0	7.4	.2	.2							13.0	5.6
SSW	1.0	3.5	3.3	.7								8.0	6.4
SW	1.1	1.0	1.7	.1								4.1	5.1
WSW	1.0	1.7	1.0	.1								3.4	5.4
W	2.0	3.0	2.8	.7								9.7	6.1
WNW	1.0	1.7	1.0	.7								5.4	5.3
NW	1.0	1.0	1.0	.3								4.4	5.4
NNW	1.0	1.4	1.1	.2								3.7	5.6
VARB													
CALM												18.0	
	22.2	32.1	21.7	4.3	.2							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2470

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1471 STATION SOUTH WEYMOUTH, MA 73-90 YEARS OCT
STATION NAME NORTH
ALL WEATHER CLASS 01
CONDITION HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	.4	.6								6.1	4.6
NNE	1.0	.4	1.0	.3								2.0	6.1
NE	1.0	1.0	.4									3.2	5.4
ENE	.4											.6	2.0
E	.4	.4	.3									1.6	4.6
ESE	.4											.6	1.5
SE		1.0										1.6	4.6
SSE	1.0	.3		.3								2.3	4.1
S	4.5	2.0	1.6	.3								9.4	4.4
SSW	3.2	3.2	1.6	.6								9.4	5.2
SW	2.3	1.6	.3	.3								4.4	4.3
WSW	2.3	1.6	1.0									5.5	3.6
W	2.3	2.0	1.6	.3								7.1	4.9
WNW	1.0	1.0	.4									3.5	3.6
NW	.4	2.3	1.0	.3								5.2	6.3
NNW	1.0	1.3	1.0	1.3								5.5	7.4
VARBL													
CALM												30.6	
	27.1	24.5	13.2	4.5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 STATION SOUTH Weymouth, MA 73-82 YEARS OCT
STATION NAME CLASS MONTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	1.3									5.8	4.7
NNE		.6	1.6	.3								2.6	8.0
NE	.3	1.7	.3									1.6	4.6
ENE	.7	1.6	.3									1.6	5.6
E	.6	.6	.3									1.6	3.8
ESE	.6	.3	.3									1.7	4.5
SE	1.7	.3										1.6	2.8
SSE	2.6	.3										2.9	1.9
S	2.2	2.7	1.3	.3								9.7	4.2
SSW	2.3	1.7	2.6									6.9	5.2
SW	.6	2.3	.3	1.7								4.2	6.6
WSW	.4	1.3	1.9	.6								4.5	6.8
W	3.2	3.9	1.7									8.1	4.1
WNW	1.4	1.6	.3									3.6	4.4
NW	2.7	3.2	2.6	.3								9.0	5.3
NNW	1.7	2.6	1.6									5.2	5.4
VARBL													
CALM												30.2	
	25.2	26.5	15.4	2.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14701 SOUTH WYFMOUTH, MA 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
07
HOURS (LST)

SPEED (KNTS) DIR.	1 - 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	1.3	1.7	.7								4.5	5.6
NNE	1.3	1.7	1.7	.6								4.2	6.5
NE	.7	.6										1.0	4.7
ENE	.7	1.3										1.3	4.8
E	1.6	.3	.3									2.3	3.0
ESE													
SE	.7	1.0		.7								1.6	5.8
SSE	1.3	1.0	.7									2.6	3.6
S	.7	4.5		.7								10.0	3.7
SSW	2.3	2.3	2.0	.3	.3							8.7	5.9
SW	1.3	1.9	1.7	.3								4.8	5.7
WSW	2.3	2.6	1.6	.3								6.8	5.1
W	1.7	3.9	1.0	.3								7.4	5.6
WNW	1.6	2.6	1.9									6.1	5.3
NW	4.5	2.6	2.6	.3								10.7	5.1
NNW	2.0	1.6	1.3	.3								6.1	4.7
VARBL													
CALM												22.6	
	24.4	29.7	16.6	3.5	.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1470 SOUTH WFYMOUTH, MA 73-92 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 10
CONVENTION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.5	4.8	1.0								10.4	6.7
NNE	1.0	1.0	2.9	.6								6.5	6.7
NE	1.0	1.6	1.9	.3								4.8	6.7
ENE	.3	1.3	1.3									2.0	5.7
E	.3	1.6	.3	.3								2.6	5.8
ESE		1.7	.3									1.6	5.6
SE	.4	.3										1.0	3.3
SSE	1.0	2.3	1.0									4.2	5.2
S	1.0	2.3	1.0	2.3								7.4	7.5
SSW	1.6	1.9	5.2	1.6								10.3	7.5
SW	.3	2.9	2.3									5.5	6.5
WSW	.3	1.0	1.9	1.6	.3							5.7	9.1
W	1.7	3.5	3.2	2.6	.6							11.3	9.3
WNW	1.3	1.9	4.2	.6								8.1	7.0
NW		1.6	1.6	1.0	.3							4.5	9.1
NNW	1.3	2.3	4.5	1.0								9.0	7.1
VARIABLE													
CALM												4.5	
	12.6	31.3	37.4	12.9	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14700 SOUTH WEYMOUTH, MA 73-82 OCT
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 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	4.0	2.4	.6								8.7	6.5
NNE	.1	3.7	1.7	1.0	.3							7.4	7.2
NE	1.0	1.0	2.9									4.8	6.3
ENE	1.0	1.9	1.6	.3								4.7	5.1
E		1.6	.6	.3								2.6	7.3
ESE	.3	1.0	.6									1.9	5.3
SE			.7									.3	2.0
SSE	.3		.3	.3								1.0	2.0
S	1.6	2.6	3.2	3.2								10.6	8.1
SSW	2.3	1.0	5.6	1.3	.3							10.6	7.8
SW	.6	2.3	3.5	.6								7.1	7.1
WSW	.3	1.0	3.2	1.6	.6							7.7	9.3
W	.7	1.6	5.8	3.9								11.6	9.4
WNW	.7	2.6	5.2	1.3								9.4	8.2
NW	.6	1.3	1.3	1.3								4.5	7.4
NNW	.6	1.3	1.6	.6								4.2	7.2
VARBL													
CALM												2.9	
	10.6	24.4	40.3	16.5	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1671 SOUTH Weymouth, MA 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 16
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	2.3										3.7	3.9
NNE	.6	3.7	1.3		.6							5.0	7.2
NE	1.7	2.6	1.0	.3								5.6	6.3
ENE	1.3	2.0	1.7									5.2	4.7
E	2.9	3.0	1.3	.3								8.4	5.0
ESE	1.0	1.0	1.0			.7						5.7	5.5
SE		.3	1.0									1.3	7.8
SSE	.3		.3									.6	5.0
S	1.3	4.7	3.9	2.3		.3						12.6	7.6
SSW	1.0	3.9	2.0	.6								9.4	6.2
SW	1.0	2.3	1.0		.3							4.5	5.8
WSW	.3	1.0	1.6	1.0								4.8	7.4
W	1.6	3.9	5.5	3.2								14.2	4.0
WNW	.6	3.9	2.9	1.9								9.4	7.5
NW	.6	1.6	1.6	.6								4.5	6.8
NNW	1.0	.3	2.3	.3								3.0	6.8
VARS													
CALM												1.7	
	17.4	39.7	29.4	10.6	1.0	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 STATION SOUTH WEYMOUTH, MA 22-23 YEARS OCT NORTH 19 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									2.0	5.2
NNE	.6	.3	.4	.6	.3							2.6	8.3
NE	.6	1.0	.6	.3								2.6	6.0
ENE		.7	.3									.4	6.5
E	1.6		.3									1.9	3.7
ESE	.6	1.0	.3									1.7	4.7
SE	1.0		.6									2.6	3.8
SSE	1.6	1.0	1.0									4.5	4.8
S	4.3	6.5	2.0	1.0								15.2	5.1
SSW	3.2	4.2	1.6									9.0	4.5
SW	2.3	.3	1.0									3.6	3.6
WSW	1.0	1.0	1.0	.3								4.2	5.2
W	3.0	2.6	2.0	.6								9.7	5.3
WNW	1.0	1.6	1.0	.3								5.2	5.6
NW	1.3	1.6	.6									3.5	4.9
NNW	1.0	1.0	1.0	.3								4.2	6.5
VARIABLE												25.0	
CALM													
	27.4	24.2	19.7	3.5	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1070 STATION SOUTH WEYMOUTH, MA 73-82 YEARS OCT MONTH 22 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	.6	1.3								5.2	6.4
NNE	.6	.6	1.3									2.6	5.9
NE		.7	.3									.6	7.5
NNE	1.0	1.0										1.9	3.7
E	1.6		.6	.3								2.6	5.1
ESE		1.0										1.0	4.7
SE	1.0		.3									1.3	4.0
SSE	.6	.6										1.3	3.6
S	5.6	5.6	.6	1.3								13.6	4.7
SSW	7.2	4.5	2.3	.6								10.6	5.0
SW	1.3	2.3	.6									4.2	4.7
WSW	2.6	1.9	.6	.3								5.6	4.7
W	1.6	3.2	1.0									5.6	4.6
WNW	.6	1.6	.6									2.9	5.1
NW	1.6	1.6	2.3	1.0								6.5	6.3
NNW	1.3	1.0	.6	1.0	.3							4.2	7.6
VARB													
CALM												30.0	
	24.0	27.1	11.9	5.8	.3							170.0	3.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WEYMOUTH, MA 73-82 YEARS OCT MONTH
ALL WEATHER
CLAS
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	1.5	2.4	1.5	.5								5.9	5.7
NNE	.7	1.5	1.5	.4	.2							4.3	7.0
NE	.4	1.2	1.1	.1								3.1	6.1
NNE	.4	1.2	.5	.0								2.4	5.1
E	1.2	1.1	.5	.2								2.9	4.9
ESE	.5	.8	.3			.5						1.7	5.0
SE	.5	.4	.3	.0								1.4	4.6
SSE	1.2	.8	.4	.1								2.4	4.3
S	1.7	4.0	1.9	1.4		.7						11.0	5.6
SSW	2.0	3.0	3.1	.6	.1							9.3	6.0
SW	1.2	2.0	1.2	.7	.0							4.8	5.7
WSW	1.5	1.7	1.6	.7	.1							5.6	6.4
W	1.9	3.2	2.0	1.4	.1							9.4	6.7
WNW	1.2	2.1	2.2	.5								6.0	6.4
NW	1.5	2.0	1.5	.6	.0							6.0	6.2
NNW	1.2	1.4	2.0	.6	.0							5.3	6.5
VABL													
CALM												15.0	
	21.7	28.9	22.9	7.5	.6	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2430

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14731 SOUTH WYOMOUTH, ME 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 01
OBSERVATION 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	7.0	1.3	1.7	.3								5.3	5.1
NNE	1.7	1.0	1.0	.3								3.7	5.7
NE	.7	1.0	.3									2.0	4.8
ENE			.7	.3								1.0	9.7
E	1.0		.3									1.3	3.4
ESE	.7											.3	1.0
SE	.7		.7									.7	5.5
SSE	.7	.3	.3									1.3	3.8
S	7.7	7.3	2.7	.7								14.2	4.5
SSW	1.0	3.7	1.3	.3	.3							6.7	5.3
SW	1.7	4.0	.3									6.0	5.3
WSW	1.0	1.7	1.7									4.7	5.5
W	3.3	6.0	2.3	.7								12.3	5.1
WNW	1.0	2.0	1.7	2.3								7.0	7.7
NW	.3	2.7	1.7	1.0								5.0	7.3
NNW	2.0	1.7	1.7	1.0								6.7	6.3
VARBL													
CALM												22.7	
	23.7	25.0	18.0	7.3	.3							170.0	4.4

TOTAL NUMBER OF OBSERVATIONS 770

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1473 SOUTH Weymouth, MA 73-92 NOV
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	1.7	.7								7.0	5.9
NNE	.7	1.7	1.7									3.0	6.1
NE		.3	.7	.3								1.0	7.7
ENE	.7	.7										1.0	3.7
E	1.7	.7										1.7	3.4
ESE	.7											.3	3.0
SE		.7										.3	4.0
SSE	1.3	1.3	.7	.3								3.3	4.7
S	4.7	3.3	2.7	.7								10.7	5.1
SSW	1.7	4.3	1.3			.7						7.7	5.4
SW	2.7	1.7	1.7	.3								4.7	5.4
WSW	2.7	3.3	1.7	.7								8.0	4.8
W	3.7	2.7	2.7	1.0								10.0	5.0
WNW	2.7	1.7	2.7	1.0								6.7	6.4
NW	1.7	1.7	1.7	1.3								6.0	6.5
NNW	1.7	1.3	1.3	.7	.3							5.3	6.6
VARBL													
CALM												23.7	
	27.3	26.7	17.0	7.0	.3	.3						120.0	4.3

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 14700 STATION NAME SOUTH WEYMOUTH, MA YEARS 73-82 NGV 07
STATION 14700 STATION NAME SOUTH WEYMOUTH, MA YEARS 73-82 NGV 07
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	1.7	.7								5.7	6.5
NNE		1.3	1.7	.7								3.0	6.0
NE	.7	.3	.3	.3								1.3	7.0
ENE			.7									.7	8.5
E	1.7	.3	.7	.3								2.3	5.1
ESE	.7											.7	2.0
SE	.7	.3										1.0	3.0
SSE	1.7	.3										1.7	2.4
S	1.7	3.0	2.7	1.7	.7							10.7	5.4
SSW	1.7	4.3	2.7									8.0	5.4
SW	1.7	1.3	1.7									3.7	4.4
WSW	2.7	3.3	1.7	.3								8.0	5.0
W	1.7	3.7	2.7	.7								8.3	6.0
WNW	2.7	4.7	2.3	.3								10.7	5.2
NW	3.7	2.7	1.7	1.0	.3							8.3	5.2
NNW	2.7	1.3	2.3									5.7	5.4
VARB													
CALM												23.7	
	27.3	21.0	20.3	5.3	1.0							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1472 STATION SOUTH WEYMOUTH, MA 72-64 YEARS NOV NORTH
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	7.0	1.7								2.7	7.4
NNE	.7	2.0	1.7	1.3								5.7	8.2
NE	1.0	.3	1.0									2.7	4.9
ENE	.7	.3	1.0									2.0	4.5
E		.7	1.0									1.3	7.2
ESE	.7	.7	.7									1.7	4.3
SE	.3	1.3										1.7	4.4
SSE	1.0	1.7	.7									3.0	4.4
S	1.7	4.0	3.3	2.0								11.0	6.8
SSW	.7	1.7	3.3	1.0								6.7	7.5
SW	.7	1.7	4.7	1.3								6.0	7.1
WSW	1.0	1.3	2.3	1.7								6.7	7.2
W	2.0	3.7	6.3	3.7	.3							16.0	8.2
WNW	.7	3.0	3.7	2.7	.3							10.3	8.4
NW	1.3	1.0	2.0	.7	.7							5.7	8.6
NNW	2.0	1.7	1.7	1.3								5.7	6.6
VARBL													
CALM												4.0	
	14.7	27.3	35.3	17.3	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-7 STATION NAME SOUTH WYOMOUTH, MA YEARS 73-90 MONTH NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.7	1.7	0.3	0.3							2.7	6.0
NNE		7.7	2.7	0.7								5.7	4.7
NE	0.7	1.7	0.7	0.3	0.3							2.7	3.6
ENE	0.7	0.7	0.7	0.3								2.3	5.0
E	1.7	0.7	0.7									2.7	4.0
ESE	0.7	0.3	1.7									2.7	5.0
SE	0.7	1.7										1.7	4.0
SSE		0.7	0.7	0.7								1.3	7.3
S	1.7	2.7	2.7	2.7								5.3	7.0
SSW	1.7	2.7	3.3	3.7								10.7	5.6
SW		0.7	1.7	0.7	0.3							5.7	8.0
WSW	1.7	2.3	5.7	2.7								11.7	5.4
W	1.7	3.7	5.7	5.7								15.7	9.1
WNW	1.7	1.7	3.3	3.7	0.7							9.7	9.4
NW	0.7	1.3	2.7	3.7	0.3							7.7	9.3
NNW	0.7	1.7	0.3	0.3								2.7	1.6
VARB													
CALM												0.3	
	14.7	26.7	30.7	23.7	2.7							100.7	7.8

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 SOUTH WEYMOUTH, MA 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
16
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.0	5.2
NNE	.7	2.3	.7	.3	.3							4.0	6.7
NE	.7	3.0	1.7	.3								5.0	6.3
ENE	1.7	1.7										3.0	3.9
E	7.7	1.3		.3								5.3	3.6
ESE	.7	.3	.7	.3								1.7	7.2
SE	1.7											1.7	2.6
SSE	.7	1.7	.3	.7								2.0	6.5
S	7.7	4.3	3.7	2.0								13.0	6.6
SSW	1.3	.7	2.0	1.7								5.7	8.0
SW		1.7	.7	.7								3.0	7.9
WSW	1.7	1.7	3.0	1.7								8.0	7.0
W	1.7	5.7	2.3	2.3								18.0	8.0
WNW	.7	2.3	4.3	3.0	.3							10.7	9.1
NW	.3	2.0	1.3	1.0	.7							5.3	8.7
NNW	1.0	1.0	2.0									4.0	5.8
VARIABLE													
CALM												7.7	
	16.3	29.7	29.0	14.0	1.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147- SOUTH WYOMOUTH, VA 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	.7	.3								4.7	5.2
NNE	1.7	1.7	.3	1.0								4.7	6.0
NE	1.7	.7		.7								2.0	5.0
ENE	.3	.7										1.0	4.0
E	.7	.3	.3	.3								1.7	5.6
ESE	1.7	.7	.3	.3								3.0	4.6
SE	.7	.3	.3									1.0	4.7
SSE	1.7		.7	.7								2.3	5.9
S	7.0	3.7	3.7	1.3								15.7	5.0
SSW	2.3	1.3	1.3	.7								5.7	5.5
SW	1.7	1.0	1.0	.3								4.0	5.3
WSW	2.3	1.7	2.7	.7								7.3	5.1
W	1.7	4.7	4.0	1.0								11.3	6.2
WNW	.7	2.0	3.0	1.3	.7							7.7	8.7
NW	1.0	2.3	1.0	1.0	.3							5.7	7.4
NNW		.7	1.3	.3								2.3	6.3
VARBL													
CALM												0.3	
	25.0	23.7	20.3	9.7	1.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1971 SOUTH WYOMOUTH, PA 73-82

STATION NAME STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

NOV

22

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.3	1.3									5.3	4.3
NNE	.7	2.0	.7	.3								3.7	5.9
NE	.7		.7									1.3	4.8
ENE	.7	1.7	.7	.3								3.0	6.4
E	.7	.3	.3									1.0	5.7
ESE		.7										.7	4.0
SE	.3	.7	.3									1.3	5.0
SSE	1.3		.3									1.7	3.0
S	4.3	5.3	2.7	1.3								13.0	5.1
SSW	2.0	3.0	1.7	1.0	.3							8.0	6.3
SW	1.0	2.7	2.3									6.0	5.6
WSW	.7	3.7	1.0	.7								6.3	6.1
W	4.0	4.3	2.3	.7								11.3	5.0
WNW		3.0	3.0	1.7								7.7	8.1
NW	1.3	2.3	1.3	.7	.3							6.0	6.9
NNW	1.0	1.0	1.7	.3								4.0	6.4
VARBL													
CALM													
	20.7	32.0	19.7	7.0	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14701
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	.5	.0							5.8	5.8
NNE	.5	1.0	1.0	.6	.0							4.1	6.7
NE	.5	.8	.5	.2	.0							2.2	6.2
ENE	.5	.7	.5	.1								1.7	5.8
E	1.1	.5	.3	.1								2.1	4.4
ESE	.6	.3	.3	.1								1.2	4.8
SE	.5	.5	.1									1.2	4.1
SSE	.9	.7	.3	.2								2.1	4.8
S	3.0	3.7	2.9	1.5	.1							12.0	5.5
SSW	1.5	2.7	2.1	1.0	.1	.0						7.4	6.7
SW	1.0	2.0	1.6	.5	.0							5.1	6.4
WSW	1.7	2.4	2.3	1.0								7.5	6.5
W	2.3	4.1	4.4	2.0	.0							12.0	7.0
WNW	1.7	2.4	2.9	1.9	.2							8.7	7.9
NW	1.0	1.5	1.5	1.2	.3							6.0	7.6
NNW	1.2	1.3	1.5	.5	.0							4.6	6.3
VARIABLE													
CALM												15.4	
	20.6	27.7	23.8	11.4	1.0	.0						170.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14751 SOUTH WEYMOUTH, MA 13-87 DEC MONTH

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	1.3		.3							3.2	6.6
NNE	1.0	.4	.3	1.3								3.2	7.9
NE	.3		.7									.5	5.0
ENE	1.0		.6	.6								2.3	7.9
E		.4	.3									1.0	6.7
ESE	.4	.3										1.0	2.3
SE	.7	.3	.3	.3								1.3	7.8
SSE	2.6	1.0	.3									3.9	3.5
S	2.9	2.9	1.0	.3								7.1	4.6
SSW	2.3	2.3	2.6	2.3	.3							9.7	7.7
SW	2.9	1.9	1.3	.3								6.5	4.7
WSW	1.9	1.9	2.6	.3								6.8	5.7
W	3.5	4.5	2.6	1.6	.3							12.6	6.6
WNW	1.3	2.6	2.3	.6	.3							7.1	7.1
NW	2.3	2.3	2.6	1.3	.6							9.0	7.5
NNW		2.3	3.9	.6	.3							7.1	8.2
VARBL													
CALM												17.7	
	23.9	24.2	22.3	9.7	2.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1470 STATION SOUTH WEYMOUTH, MA 23-92 YEARS DEC
STATION NAME CLASS MONTH
CONDITION

SPEED (KNTS) DIR.	1 - 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	1.0		.3							5.5	6.0
NNE	1.0		1.0	1.0								2.9	9.3
NE		.3	.3	.3								1.0	9.3
NNE	.3	.6		.6								1.6	8.4
E	.5	.3	.3									1.3	4.3
ESE	.6		.3									1.0	3.7
SE	.6	1.0										1.6	4.2
SSE	1.0	.6	1.0									2.6	5.0
S	4.5	2.9	1.0	.3								8.7	4.0
SSW	1.6	2.6	3.9									8.1	5.9
SW	1.0	2.9	1.0	.6								5.5	5.5
WSW	1.0	2.3	1.0	1.0	.3							6.6	6.2
W	1.0	7.1	1.9	1.6	.3							11.9	6.6
WNW	2.6	1.6	2.3	.6								7.1	6.1
NW	1.6	3.5	3.5	1.9	.6							11.3	7.8
NNW	1.6	1.6	1.9	.6	.3							6.1	7.2
VARB.													
CALM												17.4	
	21.6	29.4	21.0	8.7	1.9							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14721 SOUTH Weymouth, MA 73-82 DEC 07
STATION STATION NAME YEARS MONTH HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	1.7	1.0	.3							5.2	7.3
NNE	.6		1.7	.3								1.9	6.8
NE	.7	1.7	.3	.3								1.9	7.0
NNE	.7		.6	.3	.3							1.6	6.6
E				.3								.3	12.0
ESE	.6											.6	1.5
SE	1.7	.7	1.7			.3						2.6	7.5
SSE	1.7	1.0	.3	.3								2.4	5.5
S	3.2	3.5	1.7	.3								8.1	4.3
SSW	1.6	2.6	2.6	1.0								7.7	6.7
SW	1.7	2.6	1.7	.3								5.2	5.0
WSW	1.6	2.9	2.6	.3								7.4	6.1
W	2.3	3.9	2.0	1.3	.3							10.6	6.8
WNW	1.6	3.9	1.6	1.0								8.1	6.1
NW	2.4	1.9	3.2			.7						8.1	6.5
NNW	2.3	3.9	1.6	1.3								9.0	6.0
VARBL													
CALM												18.4	
	21.0	30.3	20.6	8.1	1.0	.6						170.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1470 STATION SOUTH WEYMOUTH, MA STATION NAME 73-PZ YEARS DEC MONTH 10
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.9	3.5	.6								10.6	6.2
NNE	.4	.4	1.0		.3							2.6	6.8
NE	.3	.3		.6								1.3	8.3
ENE	.3	.6		.3								1.3	5.8
E			.7			.3						.6	14.5
ESE	1.7	.3	.6									1.9	4.7
SE	.6	.3										1.0	3.7
SSE	.6	1.0		.6								2.3	6.4
S	1.9	3.2	2.9	1.0								9.0	6.4
SSW	1.6	1.9	1.9	.6	.3							6.5	6.9
SW	.6	1.6	2.6	1.3								6.1	8.2
WSW	1.3	2.3	1.9	1.0	.3							6.8	7.3
W	1.9	2.3	7.1	3.2	.3							14.8	8.5
WNW		1.9	4.5	2.9	.6							10.2	9.5
NW	1.0	1.9	3.9	2.6	.3							9.7	8.6
NNW	3.2	1.3	3.5	1.6	.6							10.3	7.7
VARB.													
CALM												5.7	
	16.8	24.5	33.9	16.5	2.9	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1475
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-P2
YEARS

DEC
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	1.0	2.1	2.4	2.3								8.7	7.7
NNE	.6	1.0	1.2	.6								3.4	6.9
NE	.3		.3	.6								1.3	9.0
ENE		1.0	.6									1.6	6.2
E		1.0	.6	.3								1.9	6.7
ESE				.3								.3	12.0
SE		.6		.6								1.3	9.0
SSE	.3	1.0	.3	.6								2.5	6.4
S	1.3	2.3	4.5	1.0	.3							9.4	7.7
SSW	1.0	3.6	1.2	1.9								8.4	7.3
SW	1.0	1.0	2.9	1.6								6.5	8.1
WSW	.6	1.6	2.9	1.0								6.1	8.5
W	1.6	3.2	4.9	5.5	1.9							17.1	10.2
WNW	1.0	2.6	2.6	3.5	1.6							11.3	10.2
NW	.6	.6	4.5	2.3	.3	.3						6.7	9.6
NNW	1.6	1.6	1.3	1.3	1.0							6.7	8.6
VARS													
CALM												4.5	
	11.3	23.9	31.3	23.5	5.2	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-7-71 SOUTH WYFMCOUTH, MA 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
16
HOURS (LST)

SPEED (KNTS) DIR.	1-3	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	1.0	.3								5.5	6.5
NNE	1.1	1.6	.6	1.0								4.2	6.5
NE		.1										.6	4.5
NNE	.4	.6	.7									1.6	4.5
E	.4		1.3									1.9	7.2
ESE	.3	.7										.6	3.5
SE	.7	.6	.7									1.3	5.3
SSE	.4	1.6	.3	.3								2.9	5.2
S	1.4	2.9	4.2	1.3	.3	.7						10.6	8.1
SSW	2.3	2.2	1.6	.3								7.1	5.0
SW	.4	2.3	1.3	.6								4.5	6.7
WSW	1.7	3.7	1.7	.6	.3							7.1	6.4
W	2.4	3.2	3.5	5.5	1.3	.3						16.5	9.4
WNW	1.4	2.9	3.4	2.9	.3							11.3	9.0
NW	1.7	1.9	3.2	1.3	.3	.3						9.7	8.0
NNW	.4	1.0	1.3	1.0								3.9	7.3
VARBL													
CALM												11.0	
	16.5	29.0	24.4	15.2	2.6	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1477 STATION SOUTH WELMOUTH, MA 73-22 YEARS DEC
STATION NAME MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	.3	.3							4.0	7.2
NNE		.3	1.0	1.0								2.3	9.6
NE		.7	.3	.3								1.0	8.7
ENE	1.0	.3	.4									1.7	4.7
E	1.0			.3								1.3	4.3
ESE	1.0	.3		.7								1.6	4.6
SE	1.0	.3	.3									1.6	3.6
SSE	1.0	.6	.6	.3								2.6	5.3
S	3.4	2.3	2.6	1.0								9.4	5.5
SSW	1.6	2.3	2.9	.6	.3							7.8	7.1
SW	7.0	2.6	1.0	.3								7.4	4.9
WSW	1.7	1.3	.3	.3		.7						4.0	6.1
W	2.0	3.2	5.7	1.9	1.3							14.2	6.0
WNW	1.6	1.9	2.9	1.9								8.4	7.7
NW	1.7	.6	3.7	1.9		.7						7.4	9.3
NNW	1.7	1.0	2.6	.3								5.7	6.7
VARBL													
CALM												16.8	
	23.0	18.8	25.9	11.0	1.9	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 147 SOUTH Weymouth, MA STATION NAME 73-82 YEARS DEC
MONTH 22
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	.3	.3							4.2	6.7
NNE		.6	.3	.6								1.6	8.6
NE		1.0	.3	1.3								2.6	8.9
ENE	.7	1.0										1.3	4.0
E		.7		.6								1.0	6.3
ESE	1.3			.7								1.6	4.6
SE		.6										.6	4.5
SSE	1.6	.3	.3	.3								2.6	4.8
S	5.2	1.0	1.6	1.3								9.1	5.4
SSW	1.6	1.6	4.5	.6	.6							9.1	7.7
SW	1.3	1.6	.6	.3								3.7	5.2
WSW	2.7	2.0	.6									5.3	4.3
W	1.0	3.9	4.5	3.6								13.9	6.2
WNW	1.6	2.6	1.3	1.3								6.8	6.5
NW	.6	1.6	2.6	1.6	.6							7.1	8.5
NNW	1.0	1.0	3.6	1.3								6.8	7.7
VARB												2.0	
CALM													
	20.1	21.4	21.4	13.5	1.6							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1476 SOUTH MEYMOUTH, MI 73-47 YEARS DEC MONTH ALL HOURS (L.S.T.)

CLASS ALL WEATHERS

ORIGINATOR

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.0	.8	.7							6.1	6.7
NNE	.7	.6	.7	.7	.7							2.3	7.5
NE	.7	.4	.2	.4								1.3	7.9
ENE	.7	.5	.4	.2	.7							1.7	5.5
E	.7	.3	.4	.2		.7						1.2	7.1
ESE	.7	.2	.1	.1								1.1	4.3
SE	.2	.5	.2	.1		.7						1.4	5.7
SSE	1.1	.7	.4	.3								2.7	5.1
S	3.0	2.6	2.3	.8	.1	.7						4.9	5.9
SSW	1.7	2.5	2.7	.9	.2							8.7	6.9
SW	1.5	2.1	1.7	.7								5.7	6.0
WSW	1.6	2.4	1.7	.6	.1	.7						6.3	6.3
W	2.2	3.2	4.1	3.0	.7	.7						14.0	8.2
WNW	1.4	2.5	2.6	1.9	.4							8.2	7.9
NW	1.5	1.3	3.3	1.6	.4	.2						8.2	8.2
NNW	1.5	1.7	2.5	1.7	.3							6.5	7.4
VARBL													
CALM												14.4	
	17.2	25.2	25.1	13.3	2.4	.4						170.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

147 STATION SOUTH WYOMOUTH, VI 73-25 ALL MONTH ALL YEARS ALL WEATHER CLASS ALL HOURS (L S T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	1.7	.6	.1	.0						6.1	5.2
NNE	.7	1.4	1.4	.5	.1	.0						4.2	5.8
NE	.7	1.2	.5	.2	.0	.0	.0					2.9	6.2
ENE	.7	.9	.6	.1	.0	.0						2.3	5.6
E	1.1	1.1	.5	.1	.0	.0						2.7	4.5
ESE	.7	.6	.7	.0	.0	.0						1.6	4.6
SE	.7	.5	.3	.1	.0	.0	.0					1.5	4.8
SSE	1.4	1.1	.7	.2	.0	.0						3.3	5.0
S	7.4	4.4	3.7	1.4	.1	.0						13.7	6.2
SSW	1.7	3.0	3.0	1.1	.1	.0	.0					8.9	6.8
SW	1.1	1.7	1.4	.4	.0	.0						4.0	6.2
WSW	1.3	1.7	1.5	.6	.1	.0	.0					5.3	6.4
W	2.1	3.4	3.7	1.9	.3	.0						11.7	7.4
WNW	1.2	2.1	2.4	1.6	.2	.0	.0					7.4	7.8
NW	1.2	1.7	1.8	1.1	.2	.0						6.7	7.4
NNW	.0	1.3	1.5	.7	.1	.0						4.5	7.1
VARBL													
CALM												14.1	
	27.2	24.5	25.1	10.7	1.3	.0	.0					10.7	5.6

TOTAL NUMBER OF OBSERVATIONS 2212

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-77 STATION SOUTH WEYMOUTH, MA 73-92 YEARS ALL MONTH ALL HOURS (LST)

INSTRUMENT CLASS CIG 200 TO 1400 FT W/VSPY 1/2 MI OR MORE, CONDITION AND/OR VSPY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.2	3.6	1.7	.2	.7						11.7	7.0
NNE	1.0	3.2	3.6	1.5	.2	.7						13.1	7.4
NE	1.1	2.6	2.1	.7	.1							6.6	6.7
ENE	1.0	1.4	1.0	.6	.1							4.1	6.8
E	1.6	1.7	.9	.5	.0	.7						4.9	5.6
ESE	1.0	.9	.4	.2	.0	.0						2.6	5.3
SE	.3	.9	.5	.3		.0						2.6	5.7
SSE	1.7	1.7	1.4	.5	.1							5.2	6.3
S	3.4	5.9	5.3	2.0	.3	.1						17.2	6.8
SSW	1.7	3.1	3.7	1.1	.1		.7					8.7	7.7
SW	.5	1.2	.7	.1	.2							2.7	5.7
WSW	.4	.6	.3	.1	.0							1.6	4.9
W	.4	.6	.6	.2	.2							2.0	5.8
WNW	.4	.9	.6	.2	.0	.0						2.3	5.1
NW	.7	.8	.5	.5	.1	.1						3.0	7.6
NNW	.9	1.0	1.9	.8	.1							5.3	7.5
VARBL													
CALM												9.1	
	19.8	31.0	27.2	10.9	1.4	.4	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 4771

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	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 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.

EXAMPLE # 5

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. To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits. The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile."

Since these tabulations are prepared in several ways including limits 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:

<u>OKTAS</u>	<u>TENTHS</u>
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

1474
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARS

YEARS

JAN
MONTH01
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	49.4	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	53.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	62.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	65.5	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	67.1	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	70.7	72.3	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	72.9	74.6	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	74.8	76.8	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.1	79.4	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	77.4	80.0	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	79.7	82.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1200	79.7	82.9	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	79.4	83.6	85.2	85.5	85.8	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 900	79.4	83.6	85.2	85.5	85.8	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 800	79.7	84.5	86.5	86.8	87.4	87.4	88.1	88.1	88.4	88.7	88.7	88.7	88.7	89.0	89.0	89.0
≥ 700	80.3	85.5	88.1	88.4	89.0	89.0	90.0	90.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3
≥ 600	80.3	85.5	88.1	89.0	90.0	90.3	91.3	91.6	91.9	92.6	92.6	92.6	92.6	92.9	92.9	92.9
≥ 500	80.7	86.1	89.0	90.3	91.3	92.3	93.2	93.6	93.9	94.8	94.8	95.2	95.2	95.2	95.2	95.2
≥ 400	81.7	86.5	89.7	91.6	92.6	93.6	94.8	95.2	95.5	96.5	96.5	97.4	97.4	97.4	97.7	97.7
≥ 300	81.7	86.5	89.7	91.6	92.9	93.9	95.5	95.8	96.1	97.1	97.1	98.1	98.1	98.1	98.7	98.7
≥ 200	81.0	86.5	89.7	91.6	92.9	93.9	95.5	95.8	96.5	97.4	97.4	98.4	98.4	98.7	99.4	99.4
≥ 100	81.3	86.5	89.7	91.6	92.9	93.9	95.5	95.8	96.5	97.4	97.4	98.4	98.7	99.7	100.0	100.0
≥ 0	1.0	56.5	89.7	91.6	92.9	93.9	95.5	95.8	96.5	97.4	97.4	98.4	98.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, MA

73-52

YEARS

JAN

MONTH

74

HOURS (L & 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	≥ 1/16	≥ 0	≥ 0
NO CEILING	50.3	50.7	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
≥ 20000	53.4	54.2	54.6	54.9	54.9	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	53.7	54.2	54.6	54.9	54.9	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	53.9	54.2	54.6	54.9	54.9	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	53.9	54.2	54.6	54.9	54.9	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	54.6	54.9	55.2	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	57.5	57.8	58.1	58.4	58.4	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 9000	57.5	57.8	58.1	58.4	58.4	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000	60.4	60.7	61.0	61.4	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 7000	61.7	62.0	62.3	62.7	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 6000	64.0	64.3	64.9	65.3	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 5000	66.9	67.2	67.9	68.2	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4500	67.5	67.9	68.5	68.8	69.2	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 4000	69.2	69.5	70.1	70.5	70.8	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3500	70.8	71.1	72.1	72.4	72.7	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 3000	73.4	73.7	74.7	75.3	75.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2500	76.6	77.0	77.9	78.6	78.9	78.9	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 2000	77.8	77.9	79.2	80.2	80.5	80.5	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	77.6	77.9	79.2	80.2	80.5	80.5	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1500	76.3	79.2	80.5	81.8	82.1	82.5	82.5	82.8	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1
IV 1200	78.9	80.2	81.5	82.8	83.1	83.4	83.4	83.8	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1
IV 1000	79.6	81.2	83.1	85.1	85.4	86.0	86.0	86.4	86.4	86.4	86.4	87.0	87.3	87.3	87.3	87.3
IV 900	79.9	81.8	83.8	85.7	86.0	87.0	87.0	87.7	87.7	87.7	87.7	88.3	88.6	88.6	88.6	88.6
IV 800	80.5	82.5	84.7	86.7	87.7	88.3	88.3	89.0	89.0	89.0	89.0	89.6	89.9	89.9	89.9	89.9
IV 700	80.5	82.5	84.7	86.7	87.7	88.3	88.3	89.0	89.0	89.0	89.0	89.6	89.9	89.9	89.9	89.9
IV 600	81.2	83.1	85.4	87.7	88.0	89.9	89.9	90.9	91.6	92.5	93.2	93.2	93.2	93.2	93.2	93.2
IV 500	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	81.5	83.8	86.0	88.6	89.0	91.9	92.9	93.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

304

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
4770STATION NAME
SOUTH WYOMOUTH, PAYEARS
77-82

YEARS

MONTH
JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)P7
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	56.7	52.3	52.6	57.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	54.8	56.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000	55.2	56.8	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	55.2	56.8	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	55.2	56.8	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	55.4	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	58.7	60.3	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	58.7	60.3	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	61.6	63.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	62.6	64.5	65.2	65.2	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	64.5	66.8	67.4	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000	66.1	68.4	69.0	69.0	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4500	68.4	70.7	71.3	71.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	69.7	71.9	72.9	72.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500	70.7	72.9	74.5	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3000	72.6	75.2	76.8	76.8	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	74.2	76.8	78.4	78.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	74.8	78.1	79.7	80.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	75.2	78.4	80.0	80.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	75.9	79.0	80.7	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1200	75.8	79.7	81.3	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1000	75.8	79.7	81.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	75.8	79.7	81.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	75.8	79.7	81.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 700	76.1	80.3	83.2	84.2	85.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 600	76.5	80.7	83.6	84.8	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 500	76.8	81.0	83.9	85.8	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 400	77.1	81.3	84.5	86.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 300	77.1	81.3	84.5	86.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 200	77.1	81.3	84.5	86.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 100	77.1	81.3	84.5	86.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 0	77.1	81.3	84.5	86.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14771
STATIONSOUTH WYOMOUTH, MA
STATION NAME75-82
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	3.7	48.4	45.4	49.4	45.7	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	3.7	53.9	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000	3.7	54.2	55.5	55.5	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 16000	3.7	54.2	55.5	55.5	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000	3.7	54.8	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	3.7	56.8	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	3.7	60.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 9000	3.7	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	3.7	63.9	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 7000	3.7	64.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	3.7	65.8	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000	3.7	68.4	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4500	3.7	68.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	3.7	69.7	71.9	72.3	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500	3.7	70.3	72.6	72.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	3.7	71.7	73.6	74.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2500	3.7	72.9	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	3.7	73.9	76.8	77.4	78.7	79.0	79.4	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	3.7	74.2	77.1	77.7	79.0	79.4	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	4.2	74.8	78.1	79.0	81.0	81.3	81.6	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	4.2	74.8	78.1	79.0	81.0	81.6	81.9	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1000	4.2	75.5	78.7	80.0	81.9	82.6	83.2	84.8	85.5	85.8	86.1	86.5	86.8	86.8	86.8	86.8
IV 900	4.2	75.5	78.7	80.0	82.3	82.9	83.6	85.2	85.8	86.1	86.5	86.8	87.1	87.1	87.1	87.1
IV 800	4.2	75.5	78.7	80.3	82.6	83.2	83.9	85.5	86.5	87.1	87.7	88.1	88.7	88.7	88.7	88.7
IV 700	4.2	76.5	79.7	81.3	83.6	84.2	84.8	86.5	87.4	88.1	88.7	89.7	90.0	90.0	90.0	90.0
IV 600	4.2	76.5	79.7	81.3	83.9	84.8	85.5	88.1	89.7	89.7	90.3	90.7	91.6	91.6	91.6	91.6
IV 500	4.2	76.5	80.0	81.6	84.5	85.5	86.5	90.0	91.0	91.9	92.9	93.2	94.2	94.2	94.2	94.2
IV 400	4.2	76.8	80.0	81.6	84.5	85.5	86.5	90.0	91.0	92.9	94.2	94.5	96.1	96.1	96.1	96.1
IV 300	4.2	76.8	80.0	81.6	84.5	85.5	86.8	90.7	92.6	94.5	95.8	96.1	98.1	98.1	98.1	98.1
IV 200	4.2	76.8	80.0	81.6	84.5	85.5	86.8	90.7	92.6	94.5	95.8	96.1	98.7	98.7	98.7	98.7
IV 100	4.2	76.8	80.0	81.6	84.5	85.5	86.8	90.7	92.6	94.5	95.8	96.1	98.7	99.4	99.7	100.0
IV 0	4.2	76.8	80.0	81.6	84.5	85.5	86.8	90.7	92.6	94.5	95.8	96.1	98.7	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-00

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	5.2	49.4	47.4	45.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	5.5	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	53.9
IV 18000	5.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	5.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	5.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	5.5	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	5.5	58.4	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	5.5	58.7	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	5.5	62.3	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	5.5	63.4	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 6000	5.5	64.8	65.5	65.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000	5.5	65.5	66.1	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4500	5.5	67.1	67.7	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4000	5.5	69.0	69.7	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500	5.5	70.0	70.7	71.3	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3000	5.5	72.6	73.6	74.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2500	5.5	74.2	75.5	76.8	77.1	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	5.1	76.1	77.4	79.0	79.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800	5.1	76.5	77.7	79.4	80.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	5.1	77.7	79.4	81.0	81.9	82.6	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	5.1	77.7	79.4	81.0	82.3	83.2	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	5.1	77.7	79.7	81.6	83.2	84.2	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	5.1	78.1	80.0	81.9	83.6	84.8	85.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	5.1	78.4	80.3	82.6	84.2	85.5	86.5	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	5.1	78.4	80.3	82.6	84.2	86.1	87.1	89.7	90.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	5.1	78.4	80.3	82.6	84.2	86.1	87.1	90.3	91.0	91.3	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	5.1	78.4	80.3	82.9	84.5	86.5	87.4	91.0	91.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	5.1	78.4	80.3	82.9	84.8	86.8	88.1	91.9	93.2	94.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 300	5.1	78.4	80.3	82.9	84.8	86.8	88.4	92.3	93.6	95.2	96.6	96.6	96.6	96.6	96.6	96.6
IV 200	5.1	78.4	80.3	82.9	84.8	86.8	88.4	92.3	93.6	95.2	96.6	96.6	96.6	96.6	96.6	96.6
IV 100	5.1	78.4	80.3	82.9	84.8	86.8	88.4	92.3	93.6	95.2	96.6	96.6	96.6	96.6	96.6	96.6
IV 0	5.1	78.4	80.3	82.9	84.8	86.8	88.4	92.3	93.6	95.2	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147STATION NAME
SOUTH WYOMOUTH, NJ

73--2

YEARS

124

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.0	46.4	46.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	5.2	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	5.2	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	5.2	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	5.2	52.3	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	5.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 10000	5.2	55.8	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	5.2	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	5.2	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 7000	5.2	62.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	5.2	63.6	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	5.2	64.5	65.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500	5.2	65.8	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	5.2	67.4	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 3500	5.2	69.4	70.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3000	5.2	72.3	73.6	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2500	5.2	74.4	76.5	78.1	78.4	78.4	79.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2000	5.2	75.5	77.1	79.0	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	5.2	75.5	77.1	79.0	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	5.2	76.8	78.7	81.0	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1200	5.2	76.8	79.0	81.0	82.3	82.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1000	5.2	78.1	80.7	82.6	84.2	84.2	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	5.2	78.4	81.0	83.2	84.8	84.8	85.5	87.4	87.4	87.4	87.7	88.1	88.1	88.1	88.4	88.4
IV 800	5.2	78.4	81.0	83.2	85.2	85.2	85.8	88.1	88.4	88.7	89.0	89.0	89.0	89.0	89.7	89.7
IV 700	5.2	78.4	81.0	83.6	85.8	85.8	86.5	89.4	89.7	89.7	90.0	90.7	90.7	91.0	91.3	91.6
IV 600	5.2	78.4	81.0	83.6	86.1	86.1	86.8	90.0	90.3	90.7	91.3	91.3	91.3	91.6	91.9	92.3
IV 500	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3
IV 400	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3
IV 300	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3
IV 200	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3
IV 100	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3
IV 0	5.2	78.4	81.3	83.9	86.5	86.5	87.1	88.7	88.7	89.0	90.0	90.7	90.7	91.3	91.6	92.3

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS LL & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	52.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 9000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 7000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 6000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 5000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4500	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 3500	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 3000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 2500	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 2000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1800	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1500	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1200	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 1000	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 900	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 800	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 700	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 600	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 500	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 400	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 300	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 200	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 100	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 0	1.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, VA

73-77

YEARS

JAN

MARCH

HOUS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		1.6	51.6	51.6	51.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000		54.5	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000		54.5	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000		54.5	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000		55.2	55.2	55.2	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 12000		55.8	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000		56.7	56.7	56.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000		56.7	56.7	56.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000		62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000		63.6	63.6	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000		64.8	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000		67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500		70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500		74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000		75.8	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500		77.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000		79.7	79.7	80.3	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		79.7	79.7	80.3	81.0	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500		81.3	81.3	82.3	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200		81.3	81.6	82.6	83.9	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000		82.3	82.6	83.6	84.8	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900		82.6	82.9	83.9	85.2	85.5	85.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800		82.9	83.9	85.6	87.1	87.4	87.4	88.7	88.7	88.7	88.7	89.4	89.4	89.7	89.7	89.7
≥ 700		83.6	84.5	86.5	87.7	88.1	88.1	89.7	89.7	89.7	89.7	90.3	90.3	91.0	91.0	91.0
≥ 600		83.6	85.2	87.4	89.0	89.4	89.7	91.6	91.6	91.6	91.6	92.3	92.6	92.9	92.9	92.9
≥ 500		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5
≥ 400		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5
≥ 300		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5
≥ 200		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5
≥ 100		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5
≥ 0		83.6	85.5	87.7	89.7	90.3	91.6	93.6	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATION

SOOTY SHEEPHEAD, NC
STATION NAME

1957
YEARS

JAN
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	≥ 1/8	≥ 0
NO CEILING	1.0	49.7	50.4	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	2.1	53.4	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	2.1	53.2	54.5	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	2.1	53.2	54.5	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	2.1	54.2	54.8	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	2.1	55.2	55.9	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 10000	2.1	58.1	58.9	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	2.1	58.6	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	2.1	61.7	62.6	62.8	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	2.1	63.3	63.9	64.1	64.3	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	2.1	65.5	65.3	65.6	65.8	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	2.1	66.2	67.3	67.6	67.8	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	2.1	67.7	68.0	69.4	69.6	69.9	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	2.2	69.5	70.7	71.2	71.4	71.7	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	2.2	71.2	72.3	72.7	73.2	73.5	73.5	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8
≥ 3000	2.2	73.2	74.6	75.3	75.6	75.9	76.0	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	2.2	75.1	76.7	77.6	78.0	78.3	78.5	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2000	2.2	76.5	78.3	79.5	80.1	80.4	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	2.2	76.7	78.6	79.6	80.4	80.8	81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 1500	2.3	77.7	79.9	81.4	82.4	82.8	83.1	83.0	83.5	83.7	83.7	83.7	83.7	83.7	83.8	83.8
≥ 1200	2.3	77.9	80.3	81.7	82.9	83.4	83.7	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 1000	2.3	78.5	81.0	82.7	84.0	84.5	85.0	85.8	86.0	86.4	86.5	86.5	86.5	86.6	86.6	86.6
≥ 900	2.3	78.6	81.2	82.9	84.3	84.9	85.3	86.3	86.5	86.8	87.0	87.0	87.1	87.1	87.2	87.2
≥ 800	2.3	78.9	81.7	83.8	85.3	85.9	86.6	87.9	88.3	88.8	89.1	89.2	89.5	89.6	89.6	89.6
≥ 700	2.3	79.3	82.1	84.3	86.0	86.7	87.4	89.1	89.6	90.0	90.6	90.6	91.1	91.2	91.2	91.2
≥ 600	2.3	79.4	82.3	84.6	86.6	87.3	88.2	90.2	90.8	91.3	91.9	91.9	92.5	92.5	92.6	92.6
≥ 500	2.3	79.5	82.6	85.1	87.4	88.3	89.6	92.7	93.5	94.2	94.9	95.0	95.1	95.1	95.1	95.1
≥ 400	2.3	79.6	82.7	85.3	87.9	88.7	90.2	92.8	93.8	94.7	95.5	95.6	96.7	96.7	96.9	96.9
≥ 300	2.3	79.6	82.7	85.3	87.9	88.7	90.2	92.8	93.8	94.7	95.5	95.6	96.7	96.7	96.9	96.9
≥ 200	2.3	79.6	82.7	85.3	87.9	88.7	90.2	92.8	93.8	94.7	95.5	95.6	96.7	96.7	96.9	96.9
≥ 100	2.3	79.6	82.7	85.3	87.9	88.7	90.2	92.8	93.8	94.7	95.5	95.6	96.7	96.7	96.9	96.9
≥ 0	2.3	79.6	82.7	85.3	87.9	88.7	90.2	92.8	93.8	94.7	95.5	95.6	96.7	96.7	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, RI

73-82

YEARS

FEET

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.0	53.5	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.0	55.0	55.3	55.3
≥ 20000		56.7	57.1	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5	58.5	58.9	58.9
IV 18000		56.7	57.1	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5	58.5	58.9	58.9
IV 16000		56.7	57.1	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5	58.5	58.9	58.9
IV 14000		56.4	57.5	58.2	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9	58.9	59.2	59.2
IV 12000		57.1	58.2	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.9	59.9	60.3	60.3
IV 10000		60.4	61.7	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.8	63.8	64.2	64.2
IV 9000		61.4	62.4	63.1	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.5	64.5	64.9	64.9
IV 8000		63.5	64.2	65.6	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	67.0	67.0	67.4	67.4
IV 7000		64.3	66.3	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.8	68.8
IV 6000		64.7	66.7	67.4	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	69.2	69.2	69.5	69.5
IV 5000		65.4	70.2	70.9	71.7	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7	73.1	73.1
IV 4500		68.2	70.6	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.4	73.4
IV 4000		69.2	71.9	71.6	72.7	72.3	72.7	72.7	72.7	72.7	72.7	72.7	73.4	73.4	73.8	73.8
IV 3500		72.0	73.8	74.5	74.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	76.6	76.6	77.0	77.0
IV 3000		73.3	75.5	76.6	77.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	79.1	79.1
IV 2500		75.5	77.3	78.4	78.7	79.1	79.8	79.8	79.8	79.8	79.8	79.8	80.5	80.5	80.9	80.9
IV 2000		78.7	80.5	81.6	81.9	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.7	83.7	84.0	84.0
IV 1800		76.7	80.9	81.9	82.3	82.6	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.4	84.4
IV 1500		79.4	82.3	83.3	83.7	84.0	84.8	84.8	84.8	84.8	84.8	84.8	85.5	85.5	85.8	85.8
IV 1200		79.8	82.6	83.7	84.4	84.8	85.5	85.5	85.5	85.5	85.5	85.5	86.2	86.2	86.5	86.5
IV 1000		80.9	83.3	84.4	85.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	87.2	87.2	87.6	87.6
IV 900		80.9	84.0	85.1	86.2	87.2	87.9	87.9	88.3	88.3	88.3	88.3	89.0	89.0	89.4	89.4
IV 800		81.2	84.4	85.8	87.2	88.3	89.0	89.4	89.7	89.7	89.7	89.7	90.8	91.1	91.5	91.5
IV 700		81.6	85.1	86.5	87.9	89.0	89.7	90.1	90.4	90.4	90.4	90.4	91.5	91.8	92.2	92.2
IV 600		81.9	85.5	86.9	88.7	89.7	90.4	91.1	91.5	91.5	91.5	91.5	92.6	92.9	93.3	93.3
IV 500		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0
IV 400		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0
IV 300		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0
IV 200		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0
IV 100		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0
IV 0		81.9	85.5	87.2	89.7	91.1	91.8	92.6	92.6	93.3	93.3	93.3	94.3	94.7	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WYOMOUTH, NC
STATION NAME

72-82

YEARS

FEET
HEIGHTPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	50.7	51.1	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	52.3	53.6	53.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	52.4	53.6	54.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0
IV 16000	52.4	53.6	54.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	52.4	53.6	54.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0
IV 12000	54.3	55.0	55.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	57.1	57.8	58.9	59.9	60.3	60.3	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	57.5	59.2	59.2	60.3	60.6	60.6	60.6	60.6	60.6	61.7	61.4	61.4	61.4	61.4	61.4	61.4
IV 8000	61.0	62.1	63.1	64.2	64.5	64.5	64.5	64.5	64.5	64.9	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	62.8	63.8	65.3	66.3	66.7	66.7	66.7	66.7	66.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	64.5	65.6	67.0	68.4	68.8	68.8	68.8	68.8	68.8	69.2	69.5	69.5	69.5	69.5	69.5	69.5
IV 5000	67.4	68.4	69.9	72.3	72.7	72.7	72.7	72.7	72.7	73.1	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	69.2	70.2	71.6	74.1	74.5	74.5	74.5	74.5	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	69.5	72.6	72.0	74.5	74.8	74.8	74.8	74.8	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	71.7	72.3	73.6	76.6	77.0	77.0	77.0	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	73.1	74.5	75.9	78.7	79.1	79.1	79.1	79.1	79.1	79.4	79.8	79.8	79.8	79.8	79.8	79.8
IV 2500	73.8	75.2	76.6	79.4	79.8	79.8	79.8	79.8	79.8	80.1	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000	75.9	77.7	79.4	82.6	83.0	83.0	83.0	83.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800	75.9	77.7	79.4	82.6	83.0	83.0	83.0	83.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500	77.3	79.1	81.2	84.4	84.8	84.8	84.8	84.8	84.8	85.5	85.6	85.8	85.8	85.8	85.8	85.8
IV 1200	77.7	79.8	83.0	86.2	86.5	86.5	86.5	86.5	86.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6
IV 1000	78.4	80.5	84.0	87.6	87.9	87.9	87.9	87.9	87.9	88.7	89.2	89.0	89.0	89.0	89.0	89.0
IV 900	79.4	80.9	84.4	87.9	88.3	88.3	88.3	88.3	88.3	89.0	89.4	89.4	89.4	89.4	89.4	89.4
IV 800	78.4	80.9	84.8	88.3	88.7	88.7	88.7	88.7	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	78.7	81.2	85.1	88.7	89.0	89.0	89.0	89.0	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1
IV 600	78.7	81.2	85.1	88.7	89.0	89.0	89.0	89.0	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	79.4	81.9	85.8	89.7	90.1	90.4	91.1	91.1	91.1	91.8	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	80.1	82.6	86.5	90.4	90.8	91.1	92.9	92.9	92.9	93.6	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	80.1	82.6	86.5	90.4	90.8	91.8	94.0	94.0	94.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4
IV 200	80.1	82.6	86.5	90.4	91.5	92.9	95.4	95.4	95.4	96.6	97.9	97.9	97.9	97.9	97.9	97.9
IV 100	80.1	82.6	86.5	90.4	91.5	92.9	95.4	95.4	95.4	96.6	97.9	97.9	97.9	97.9	97.9	97.9
IV 0	80.1	82.6	86.5	90.4	91.5	92.9	95.4	95.4	95.4	96.6	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATION

SOUTH WYOMOUTH, MA
STATION NAME

77-92
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

27
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	0.7	49.7	55.4	51.4	51.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	1.1	54.3	55.3	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8
IV 18000	1.1	54.3	55.3	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8
IV 16000	1.1	54.3	55.3	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8
IV 14000	1.1	54.3	55.3	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8
IV 12000	1.1	55.0	56.4	57.8	57.8	57.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.2
IV 10000	1.1	57.5	58.9	60.3	60.3	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.7	61.7	61.7
IV 9000	1.1	57.5	58.9	60.3	60.3	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.7	61.7	61.7
IV 8000	1.1	59.6	61.0	62.8	62.8	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2
IV 7000	1.1	62.1	63.8	65.6	65.6	65.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4
IV 6000	1.1	63.1	64.9	66.7	67.0	67.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.8	68.8	68.8
IV 5000	1.1	65.6	67.4	69.2	69.5	69.5	70.9	70.9	70.9	70.9	70.9	71.3	71.3	71.6	71.6	71.6
IV 4500	1.1	65.6	67.4	69.2	69.5	69.5	70.9	70.9	70.9	70.9	71.3	71.3	71.6	71.6	71.6	71.6
IV 4000	1.1	67.4	69.5	71.3	71.6	71.6	73.1	73.1	73.1	73.1	73.4	73.4	73.8	73.8	73.8	73.8
IV 3500	1.1	70.2	72.3	74.5	74.8	74.8	76.2	76.2	76.2	76.2	76.6	76.6	77.0	77.0	77.0	77.0
IV 3000	1.1	71.3	73.8	75.9	76.2	76.6	78.0	78.0	78.0	78.0	78.4	78.4	78.7	78.7	78.7	78.7
IV 2500	1.1	74.1	76.6	78.7	79.1	79.4	80.9	80.9	80.9	80.9	81.6	81.6	81.9	81.9	81.9	81.9
IV 2000	1.1	75.5	78.0	80.1	80.5	80.9	82.6	82.6	82.6	82.6	83.3	83.3	83.7	83.7	83.7	83.7
IV 1800	1.1	75.5	78.0	80.1	80.5	80.9	82.6	82.6	82.6	82.6	83.3	83.3	83.7	83.7	83.7	83.7
IV 1500	1.1	76.2	78.7	80.9	81.6	81.9	83.7	84.4	84.4	84.4	85.5	85.5	85.8	85.8	85.8	85.8
IV 1200	1.1	76.2	78.7	80.9	81.6	81.9	83.7	84.4	84.4	84.4	85.5	85.5	85.8	85.8	85.8	85.8
IV 1000	1.1	76.2	78.7	80.9	81.6	81.9	83.7	84.4	84.4	84.4	85.5	85.5	85.8	85.8	85.8	85.8
IV 900	1.1	76.6	79.1	81.6	82.6	83.0	84.8	85.5	85.5	85.5	86.5	86.5	87.2	87.2	87.6	87.6
IV 800	1.1	76.6	79.1	81.6	82.6	83.0	84.8	85.5	85.5	85.5	86.5	86.5	87.2	87.2	87.6	87.6
IV 700	1.1	76.6	79.4	81.9	83.3	83.7	85.5	86.9	86.9	86.9	88.3	88.3	89.0	89.4	89.4	89.4
IV 600	1.1	76.6	79.4	81.9	83.3	83.7	85.5	86.9	86.9	86.9	88.3	88.3	89.0	89.4	89.4	89.4
IV 500	1.1	77.0	79.8	83.0	84.6	85.1	86.9	88.7	88.7	88.7	90.4	90.4	91.8	92.2	92.6	92.6
IV 400	1.1	77.0	80.1	83.7	85.8	86.2	87.9	89.7	89.7	89.7	91.8	92.6	94.0	94.3	94.7	94.7
IV 300	1.1	77.0	80.1	83.7	85.8	86.2	87.9	89.7	89.7	89.7	91.8	92.6	94.0	94.3	94.7	94.7
IV 200	1.1	77.0	80.1	83.7	85.8	86.2	87.9	89.7	89.7	89.7	91.8	92.6	94.0	94.3	94.7	94.7
IV 100	1.1	77.0	80.1	83.7	85.8	86.2	87.9	89.7	89.7	89.7	91.8	92.6	94.0	94.3	94.7	94.7
IV 0	1.1	77.0	80.1	83.7	85.8	86.2	87.9	89.7	89.7	89.7	91.8	92.6	94.0	94.3	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH PLYMOUTH, MA
STATION NAME13-82
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	50.7	50.7	51.4	51.0	51.8	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	1.4	55.3	55.3	56.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	1.4	55.3	55.3	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	1.4	55.3	55.3	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	1.4	55.3	55.3	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	1.4	56.0	56.0	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	1.4	61.0	61.0	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	1.4	61.7	61.7	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	2.1	64.2	64.2	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	2.1	66.0	66.0	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	2.1	66.3	66.3	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	2.1	69.2	69.2	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	2.1	69.5	69.5	70.9	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	2.1	71.3	71.3	72.7	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	2.5	73.1	73.1	74.5	75.2	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	2.5	75.2	75.2	76.6	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	2.5	76.6	77.0	78.4	79.4	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	2.5	77.3	77.7	79.1	80.9	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	2.5	77.7	78.0	79.4	81.2	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	2.5	77.7	78.0	79.8	81.9	82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	2.5	77.7	78.0	77.8	81.9	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	2.5	78.0	78.4	80.1	83.0	83.7	84.4	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	2.5	78.0	78.4	80.1	83.0	83.7	84.4	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	2.5	79.4	78.7	80.5	83.3	84.0	84.8	85.5	85.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	2.5	78.7	79.1	80.9	83.7	84.8	85.5	86.9	86.9	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	2.5	76.7	75.1	80.9	84.4	85.5	86.9	88.7	88.7	90.4	90.9	90.8	91.1	91.1	91.1	91.1
≥ 500	2.5	76.7	79.1	81.2	85.1	86.5	88.7	90.4	90.4	92.2	92.9	92.9	93.6	93.6	93.6	93.6
≥ 400	2.5	78.7	79.1	81.6	85.5	86.9	89.0	90.8	90.8	92.9	93.6	93.6	94.7	94.7	94.7	94.7
≥ 300	2.5	78.7	79.1	81.6	85.5	86.9	89.0	90.8	90.8	93.3	94.3	94.3	96.1	96.5	96.8	96.8
≥ 200	2.5	76.7	79.1	81.6	85.5	87.2	89.4	91.1	91.1	93.6	94.7	95.4	97.5	98.6	98.9	98.9
≥ 100	2.5	78.7	79.1	81.6	85.5	87.2	89.4	91.1	91.1	93.6	94.7	95.4	97.5	98.6	99.3	99.3
≥ 0	2.5	78.7	79.1	81.6	85.5	87.2	89.4	91.1	91.1	93.6	94.7	95.4	97.5	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7
STATIONSOUTH WYOMOUTH, MA
STATION NAME

73-92

YEARS

FEE

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	1.4	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	1.4	54.3	55.0	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	1.4	54.3	55.0	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	1.4	54.3	55.0	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	1.4	54.3	55.0	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	1.4	55.7	56.4	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	1.4	58.9	59.9	60.3	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	1.4	59.6	60.6	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000	1.4	62.4	63.5	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	1.4	63.1	64.2	64.5	64.9	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	1.4	63.1	64.2	64.5	64.9	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	1.4	65.3	66.3	66.7	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4500	1.4	65.6	66.7	67.0	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	1.4	67.4	68.4	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	2.1	70.2	71.3	71.6	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	2.1	74.5	75.5	75.9	76.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	2.1	76.2	77.3	77.7	78.0	78.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	2.1	77.3	78.7	79.1	79.8	80.1	81.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	2.1	77.7	79.1	79.4	80.1	80.5	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	2.1	76.7	80.5	80.9	81.6	81.9	83.0	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200	2.1	78.7	80.5	80.9	81.9	82.3	83.3	83.7	84.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	2.1	78.7	80.5	80.9	81.9	82.3	83.3	83.7	84.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	2.1	78.7	80.5	81.2	82.3	82.6	83.7	84.4	84.8	85.1	85.3	85.5	85.5	85.5	85.5
≥ 800	2.1	78.7	81.2	81.9	83.7	84.0	85.1	85.8	86.2	86.9	87.9	87.9	87.9	87.9	87.9
≥ 700	2.1	78.7	81.2	82.3	84.4	84.8	86.2	87.2	87.6	88.3	89.4	89.4	89.4	89.4	89.4
≥ 600	2.1	79.4	81.6	83.0	85.8	86.2	87.9	89.4	89.7	90.4	91.5	91.5	91.5	91.5	91.5
≥ 500	2.1	79.4	81.9	83.3	86.2	86.9	89.0	90.4	91.1	91.8	93.3	93.3	94.0	94.0	94.0
≥ 400	2.1	79.4	82.3	83.7	87.2	87.9	90.1	91.5	92.2	92.9	95.0	95.0	96.0	96.0	96.0
≥ 300	2.1	79.4	82.3	83.7	87.6	88.3	90.4	91.8	92.6	93.3	95.7	96.5	97.5	97.5	97.5
≥ 200	2.1	79.4	82.3	83.7	87.6	88.3	90.4	91.8	92.6	93.3	96.1	97.2	98.9	99.3	99.7
≥ 100	2.1	79.4	82.3	83.7	87.6	88.3	90.4	91.8	92.6	93.3	96.1	97.2	98.9	99.7	100.0
≥ 0	2.1	79.4	82.3	83.7	87.6	88.3	90.4	91.8	92.6	93.3	96.1	97.2	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1470
STATION

SOUTH WYOMOUTH, MA
STATION NAME

73-72
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.1	49.7	50.0	58.0	50.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	2.1	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	2.1	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	2.1	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	2.1	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	2.1	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	2.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	2.1	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	2.1	65.6	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	2.1	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	2.1	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	2.1	69.5	69.9	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	2.1	69.5	69.9	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	2.1	71.3	71.6	72.0	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	2.1	73.1	73.4	73.8	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	2.1	75.5	75.9	76.2	76.6	76.6	76.6	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	2.5	77.7	77.7	78.7	79.1	79.1	79.1	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	2.5	78.7	79.4	80.5	81.2	81.2	81.2	81.6	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.3
≥ 1800	2.5	78.7	79.4	80.5	81.2	81.2	81.2	81.6	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.3
≥ 1500	2.5	79.8	80.5	82.6	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.8	84.8	85.1	85.1	85.1
≥ 1200	2.5	79.8	80.5	82.6	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.8	84.8	85.1	85.1	85.1
≥ 1000	2.5	79.8	80.5	82.6	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.8	84.8	85.1	85.1	85.1
≥ 900	2.5	79.8	80.5	82.6	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.8	84.8	85.1	85.1	85.1
≥ 800	2.5	79.8	80.5	82.6	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.8	84.8	85.1	85.1	85.1
≥ 700	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 600	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 500	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 400	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 300	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 200	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 100	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6
≥ 0	2.5	80.1	81.6	84.8	85.8	86.2	86.2	86.9	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14717
STATIONSOUTH WEXMOUTH, MA
STATION NAME73-42
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
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	58.7	58.2	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	62.8	62.8	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	64.5	64.9	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	66.0	66.3	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 8000	67.0	67.7	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	68.1	68.8	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	68.8	69.9	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 5000	69.9	70.9	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	70.9	71.6	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	72.3	73.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	73.1	74.1	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3000	74.8	76.2	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2500	76.2	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2000	78.7	80.9	81.9	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800	79.1	81.2	82.6	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500	79.8	82.3	84.0	85.1	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	80.1	82.6	84.4	85.5	85.5	85.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1000	80.8	83.3	85.1	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	80.5	83.3	85.1	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 800	81.2	84.4	86.2	87.9	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	81.6	84.8	86.5	88.3	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 600	81.6	84.8	86.9	88.7	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 400	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 300	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 200	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 100	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 0	81.9	85.1	87.6	89.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8

TOTAL NUMBER OF OBSERVATIONS

252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147STATION NAME
SOUTH WYOMOUTH, VAYEARS
73-82

YEARS

PORT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	55.7	56.0	56.0	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1
≥ 20000	59.6	59.9	60.3	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4
IV 18000	59.6	59.9	60.3	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4
IV 16000	59.6	59.9	60.3	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4
IV 14000	59.6	59.9	60.3	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4
IV 12000	61.4	61.7	62.1	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.1
IV 10000	64.2	64.5	64.9	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	66.0
IV 9000	65.6	66.0	66.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4
IV 8000	66.7	67.0	67.4	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4
IV 7000	67.4	67.7	68.1	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2
IV 6000	67.4	67.7	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.2
IV 5000	68.9	69.2	70.2	70.6	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 4500	69.9	70.2	71.3	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7
IV 4000	72.3	73.1	74.1	74.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.9
IV 3500	73.4	74.1	75.5	75.9	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7
IV 3000	74.9	75.5	77.0	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1
IV 2500	75.9	76.6	78.0	78.4	78.4	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.5
IV 2000	77.3	78.0	79.4	80.1	80.1	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IV 1800	79.1	79.8	81.6	82.3	82.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.4
IV 1500	80.1	81.2	83.0	83.7	83.7	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.8
IV 1200	81.2	82.3	84.0	85.1	85.1	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2
IV 1000	81.6	83.0	85.1	86.2	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3
IV 900	81.6	83.0	85.1	86.2	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3
IV 800	81.9	83.3	85.5	86.5	86.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.4
IV 700	81.9	83.3	85.8	86.9	86.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
IV 600	81.9	83.7	86.5	87.9	87.9	90.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.6
IV 500	81.9	83.7	86.9	88.3	88.3	91.1	92.2	92.2	92.2	92.9	93.3	93.3	93.3	93.3	93.3	93.6
IV 400	81.9	84.0	87.2	88.7	88.7	91.5	92.6	92.6	93.3	94.3	94.7	94.7	94.7	94.7	94.7	95.4
IV 300	81.9	84.0	87.2	88.7	88.7	91.8	93.3	94.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4	96.1
IV 200	81.9	84.0	87.2	88.7	88.7	92.2	94.0	94.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	97.9
IV 100	81.9	84.0	87.2	88.7	88.7	92.2	94.3	95.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	99.3
IV 0	81.9	84.0	87.2	88.7	88.7	92.2	94.3	95.0	96.1	96.8	96.8	96.8	96.8	96.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-27-77

SOUTH WYOMOUTH, MA

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.9	52.3	52.7	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3
≥ 20000	56.5	57.0	57.5	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2
IV 18000	56.5	57.0	57.5	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
IV 16000	56.5	57.0	57.5	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
IV 14000	56.7	57.2	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5
IV 12000	57.8	58.4	58.9	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.8
IV 10000	60.7	61.5	62.1	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.1
IV 9000	61.6	62.3	62.9	63.2	63.3	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.8	63.8
IV 8000	63.7	64.5	65.3	65.6	65.7	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3	66.3
IV 7000	65.2	66.1	66.8	67.2	67.3	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.9	67.9	67.9	68.0
IV 6000	65.7	66.6	67.5	68.0	68.1	68.4	68.4	68.4	68.4	68.5	68.6	68.6	68.7	68.7	68.8	68.8
IV 5000	68.0	68.9	69.9	70.5	70.7	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.3	71.4	71.4	71.4
IV 4500	68.6	69.5	70.5	71.1	71.2	71.6	71.6	71.6	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0
IV 4000	70.1	71.1	72.1	72.8	72.9	73.4	73.5	73.5	73.5	73.6	73.6	73.7	73.7	73.9	73.9	73.9
IV 3500	72.1	73.1	74.1	74.9	75.0	75.6	75.6	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0
IV 3000	74.1	75.3	76.4	77.2	77.4	78.0	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.4	78.4	78.4
IV 2500	75.7	76.9	78.2	79.0	79.2	79.8	79.9	79.9	80.0	80.1	80.1	80.3	80.3	80.3	80.4	80.4
IV 2000	77.4	78.9	80.1	81.2	81.4	82.1	82.3	82.3	82.4	82.5	82.6	82.7	82.7	82.8	82.8	82.8
IV 1800	77.8	79.3	80.6	81.7	81.9	82.6	82.8	82.9	82.9	83.1	83.1	83.2	83.2	83.3	83.3	83.3
IV 1500	78.5	80.3	82.0	83.2	83.4	84.1	84.4	84.4	84.7	84.8	84.9	85.0	85.0	85.1	85.1	85.1
IV 1200	78.9	80.6	82.4	83.7	84.0	84.8	85.1	85.2	85.4	85.6	85.6	85.7	85.7	85.8	85.8	85.8
IV 1000	79.2	81.1	83.0	84.6	84.9	85.7	86.3	86.4	86.7	86.9	86.9	87.1	87.1	87.1	87.2	87.2
IV 900	79.3	81.2	83.2	84.8	85.1	86.0	86.5	86.6	87.0	87.2	87.2	87.4	87.4	87.4	87.5	87.5
IV 800	79.5	81.6	83.7	85.5	85.9	86.8	87.5	87.6	88.3	88.6	88.6	88.8	88.8	88.8	88.9	88.9
IV 700	79.7	81.9	84.1	86.0	86.5	87.6	88.6	88.7	89.5	89.9	89.9	90.1	90.1	90.2	90.2	90.2
IV 600	79.6	82.1	84.4	86.6	87.1	88.3	89.5	89.7	90.5	90.9	91.0	91.3	91.4	91.4	91.5	91.5
IV 500	80.0	82.3	85.0	87.3	87.9	89.3	90.8	91.0	91.9	92.5	92.6	93.1	93.1	93.2	93.3	93.3
IV 400	80.1	82.5	85.4	88.0	88.6	90.1	91.8	92.1	93.3	94.0	94.3	94.9	95.0	95.1	95.1	95.1
IV 300	80.1	82.5	85.4	88.2	88.8	90.6	92.4	92.8	94.2	95.0	95.3	96.1	96.2	96.5	96.5	96.5
IV 200	80.1	82.5	85.4	88.3	89.1	90.9	92.9	93.2	94.9	95.8	96.4	97.6	98.1	98.4	98.6	98.6
IV 100	80.1	82.5	85.4	88.3	89.1	91.0	93.0	93.4	95.0	96.1	96.6	97.9	98.5	99.1	99.5	99.5
IV 0	80.1	82.5	85.4	88.3	89.1	91.0	93.0	93.4	95.0	96.1	96.6	97.9	98.5	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 225

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14777
STATION50 TH WYOMOUTH, NC
STATION NAME77-81
YEARS11/2
MONTHPERCENTAGE 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	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	50.0	50.7	50.3	50.7	50.7	50.7	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 20000	53.6	54.2	54.2	54.2	54.5	54.5	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	53.6	54.2	54.2	54.2	54.5	54.5	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	53.6	54.2	54.2	54.2	54.5	54.5	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	53.6	54.2	54.2	54.2	54.5	54.5	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	53.6	54.5	54.5	54.8	54.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	55.8	56.5	56.5	56.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 9000	56.1	56.8	56.8	57.1	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	59.0	59.7	59.7	60.0	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 7000	60.0	60.7	60.7	61.0	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	61.2	62.6	62.6	63.2	63.2	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	65.5	66.1	66.5	67.1	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	67.4	68.1	68.4	69.0	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4000	69.7	70.7	71.0	71.6	71.6	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	71.6	72.6	72.9	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	73.6	74.5	74.8	75.5	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	73.9	75.5	76.5	77.1	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	74.2	76.8	77.7	78.4	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1800	74.6	76.3	77.7	78.4	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1500	75.8	78.1	79.0	79.7	79.7	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	75.8	78.1	79.0	80.3	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1000	76.8	79.4	80.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 900	76.8	79.4	80.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 800	77.4	80.3	81.3	82.9	82.9	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 700	78.4	81.5	82.9	84.5	84.5	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 600	79.0	82.3	83.6	85.8	85.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 500	79.4	82.6	84.5	86.8	87.1	88.1	88.7	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 400	79.7	82.9	85.5	87.7	88.4	89.7	90.7	90.7	91.3	91.6	91.9	92.3	92.3	92.3	92.3	92.3
IV 300	79.7	82.9	85.8	88.4	89.0	91.0	92.9	92.9	94.2	94.5	94.8	95.2	95.5	95.8	95.8	95.8
IV 200	79.7	82.9	85.8	88.7	89.4	91.3	93.2	93.2	94.8	95.2	95.5	96.1	96.5	96.5	97.1	97.4
IV 100	79.7	82.9	85.8	88.7	89.4	91.3	93.2	93.2	95.2	95.5	95.8	96.8	97.1	98.7	99.7	99.7
IV 0	79.7	82.9	85.8	88.7	89.4	91.3	93.2	93.2	95.2	95.5	95.8	96.8	97.1	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-02

YEAR

MONTH

04

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	45.7	45.7	49.7	45.4	49.4	49.4	45.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	52.7	53.2	53.9	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	52.7	53.2	53.9	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	52.7	53.2	53.9	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	53.2	53.9	54.2	54.5	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	53.9	54.2	54.5	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	55.2	56.1	56.8	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 9000	55.5	56.8	57.4	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	60.0	60.3	61.0	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	61.3	62.3	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 6000	63.2	63.6	64.2	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 5000	66.5	67.1	68.1	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4500	66.7	69.5	70.3	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	69.7	71.3	71.6	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	70.7	71.6	72.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	72.3	73.2	74.5	75.5	75.5	75.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	72.9	73.9	75.5	76.5	76.5	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2000	73.6	75.2	77.1	78.1	78.1	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	73.6	75.2	77.1	78.1	78.1	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	74.2	76.1	78.1	78.4	78.4	78.4	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	74.6	77.1	79.0	80.3	80.3	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1000	75.5	77.7	80.3	81.9	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 900	75.8	78.1	80.7	82.3	82.3	82.3	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 800	77.4	79.7	82.9	84.5	84.5	84.5	85.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 700	78.1	80.7	84.2	85.8	85.8	85.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600	78.4	81.3	85.2	87.1	87.1	87.1	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 500	79.4	82.6	86.5	89.0	89.0	89.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	79.7	82.9	86.8	89.4	89.4	89.4	90.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 300	79.7	83.2	87.1	90.7	90.7	90.7	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	79.7	83.2	87.1	91.3	91.3	91.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	79.7	83.2	87.1	91.3	91.3	91.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	79.7	83.2	87.1	91.3	91.3	91.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1470
STATION

SOUTH TYNHOUS, VA
STATION NAME

73-72
YEARS

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

37
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.0	45.2	46.5	46.8	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.0	46.7	50.0	50.7	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	1.0	46.7	50.0	50.7	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	1.0	46.7	50.0	50.7	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	1.0	49.4	51.7	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	1.0	50.0	51.3	52.3	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	1.0	54.9	56.1	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	1.0	54.9	56.1	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	1.0	56.5	58.1	59.0	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	1.0	58.8	60.0	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	1.0	59.4	61.3	62.3	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	1.0	61.3	62.2	64.2	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	1.0	63.9	66.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	1.0	66.1	68.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	1.0	67.4	69.7	70.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	1.0	68.7	71.0	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	1.0	70.0	72.3	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	1.0	71.3	73.6	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1800	1.0	71.6	73.9	74.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1500	1.0	73.6	76.1	77.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	1.0	74.2	76.8	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	1.0	74.8	77.7	79.7	81.6	82.3	82.6	82.6	82.6	83.6	83.6	83.6	84.2	84.2	84.2	84.2
≥ 900	1.0	75.2	78.1	80.0	81.9	82.6	82.9	82.9	82.9	83.9	84.2	84.2	84.9	84.8	84.8	84.6
≥ 800	1.0	76.1	79.4	81.3	83.2	83.9	84.5	84.5	84.5	85.5	85.8	85.8	86.5	86.5	86.5	86.5
≥ 700	1.0	76.1	79.4	81.3	83.9	84.5	85.2	85.2	85.2	85.5	85.8	85.8	87.4	87.4	87.4	87.4
≥ 600	1.0	76.8	80.0	82.3	85.5	86.1	87.1	87.1	87.4	88.7	89.0	89.0	89.7	89.7	89.7	89.7
≥ 500	1.0	76.8	80.0	82.3	86.1	86.8	87.7	88.1	88.4	89.0	89.0	90.3	90.7	91.3	91.3	91.3
≥ 400	1.0	77.1	80.7	83.2	87.1	88.4	89.4	89.7	90.0	91.6	92.3	92.6	93.2	93.2	93.2	93.2
≥ 300	1.0	77.1	80.7	83.2	87.1	88.4	89.4	90.0	90.7	92.6	93.9	94.2	95.2	95.2	95.2	95.2
≥ 200	1.0	77.1	80.7	83.2	87.1	88.4	89.7	90.3	91.0	94.2	96.5	96.8	97.7	97.7	98.4	98.7
≥ 100	1.0	77.1	80.7	83.2	87.1	88.4	89.7	90.3	91.0	94.5	96.8	97.1	98.1	98.1	99.0	99.7
≥ 0	1.0	77.1	80.7	83.2	87.1	88.4	89.7	90.3	91.0	94.5	96.8	97.1	98.1	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

D:RNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME SOUTH WYNGOOTH, NC

72-00

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12

HOURS L.S.Y.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.7	47.7	47.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	1.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	1.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	1.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	1.7	46.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	1.7	40.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	1.7	44.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 9000	1.7	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	1.7	57.7	58.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 7000	1.7	59.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	1.7	61.7	61.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	1.7	62.7	63.7	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	1.7	63.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	1.7	66.7	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3500	2.6	69.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	2.6	71.7	73.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	2.6	74.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	2.6	76.7	79.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	2.6	77.7	79.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	2.6	77.7	79.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1200	2.6	78.7	80.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1000	2.6	78.7	81.7	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 900	2.6	78.7	81.7	83.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 800	2.6	78.7	81.7	83.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 700	2.6	78.7	81.7	84.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600	2.6	79.7	82.7	85.7	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 500	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 200	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 100	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 0	2.6	79.7	82.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14771

STATION NAME
SOUTHERN WING UNIT 4, MS

YEARS
20-17

YEARS

MONTH
17

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	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 18000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 16000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 14000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 12000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	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	53.9	53.9
IV 8000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 7000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 6000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 5000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4500	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 3500	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 3000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 2500	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1800	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 800	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 600	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 400	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 300	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

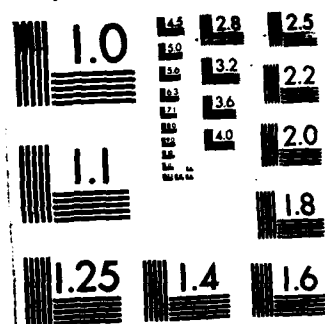
TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

3/4

NI

A 10x10 grid of squares, with the top-left square missing.



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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14700

STATION NAME
SOUTH WYOMOUTH, MA

YEARS
73-82

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 0
NO CEILING	2.5	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	2.5	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 18000	2.6	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000	2.5	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 14000	2.6	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	2.6	50.7	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
IV 10000	2.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 9000	2.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 8000	2.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 7000	2.9	55.2	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 6000	2.9	56.8	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 5000	2.9	61.0	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500	2.9	62.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 4000	3.2	67.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 3500	3.2	71.0	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3000	3.4	75.2	76.5	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	3.6	77.7	79.0	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	3.6	79.7	81.6	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	3.6	79.7	81.9	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1500	3.6	81.9	84.8	85.5	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
IV 1200	3.6	82.3	85.5	86.1	86.5	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.4	87.4	87.4
IV 1000	3.6	82.9	87.1	87.7	88.4	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7
IV 900	3.6	82.9	87.1	87.7	89.0	89.4	89.4	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3
IV 800	3.6	83.2	87.4	88.4	89.7	90.0	90.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3
IV 700	3.6	83.9	88.4	89.4	90.7	91.3	91.6	91.9	92.6	92.6	92.6	92.6	92.9	92.9	92.9
IV 600	3.6	83.9	88.4	89.4	91.0	91.6	91.9	92.3	92.9	92.9	92.9	92.9	93.2	93.2	93.2
IV 500	3.6	84.2	88.7	89.7	91.9	92.6	92.9	93.6	95.2	95.5	95.8	95.8	96.1	96.1	96.1
IV 400	3.6	84.2	88.7	89.7	91.9	92.6	93.2	93.9	95.8	96.1	96.5	96.5	96.8	96.8	96.8
IV 300	3.6	84.2	88.7	89.7	91.9	92.6	93.6	94.5	96.5	96.8	97.1	97.1	97.4	97.7	97.7
IV 200	3.6	84.2	88.7	89.7	91.9	92.6	93.6	94.5	96.5	96.8	97.1	97.7	97.7	98.1	98.4
IV 100	3.6	84.2	88.7	89.7	91.9	92.6	93.6	94.5	96.5	96.8	97.1	97.7	97.7	98.1	98.4
IV 0	3.6	84.2	88.7	89.7	91.9	92.6	93.6	94.5	96.5	96.8	97.1	97.7	97.7	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-42
YEARS19
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	1.0	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	1.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	1.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	1.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	1.0	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	1.0	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	1.0	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	1.0	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	1.0	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	1.0	59.4	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	1.0	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	1.0	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	1.0	66.1	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	1.0	67.7	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	1.0	69.7	70.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	1.0	72.6	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	1.0	74.5	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	1.0	76.5	78.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	1.0	76.8	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1500	1.0	78.1	80.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1200	1.0	78.7	81.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	1.0	79.7	82.9	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	1.0	79.7	82.9	84.2	85.2	85.2	85.8	85.8	85.8	85.8	86.5	86.8	86.8	86.8	86.8
≥ 800	1.0	80.0	83.6	85.2	86.5	86.5	87.4	87.4	87.4	87.4	88.4	89.0	89.0	89.0	89.0
≥ 700	1.0	80.7	84.8	86.5	87.7	87.7	89.0	89.0	89.0	89.0	90.0	90.7	90.7	90.7	90.7
≥ 600	1.0	81.0	85.5	87.1	89.0	89.0	90.3	90.3	90.3	90.3	91.3	91.9	91.9	91.9	91.9
≥ 500	1.0	81.0	85.5	87.1	89.4	89.7	91.6	91.6	91.6	92.9	93.6	93.6	93.9	93.9	93.9
≥ 400	1.0	81.0	85.5	87.4	89.7	90.0	91.9	92.6	92.6	93.9	94.5	94.5	94.8	94.8	94.8
≥ 300	1.0	81.0	85.5	87.7	90.3	90.7	93.2	93.9	94.2	95.5	96.1	96.1	96.5	96.5	96.5
≥ 200	1.0	81.0	85.5	87.7	90.3	91.0	93.9	94.5	94.8	96.8	97.4	97.4	98.1	98.1	98.7
≥ 100	1.0	81.0	85.5	87.7	90.3	91.0	93.9	94.5	94.8	96.8	97.4	97.4	98.7	98.7	99.7
≥ 0	1.0	81.7	85.5	87.7	90.3	91.0	93.9	94.5	94.8	96.8	97.4	97.4	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14720
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (C.E.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	49.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000	.3	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	.3	56.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000	.3	57.7	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	.3	61.0	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	.3	62.6	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	.3	64.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	.3	68.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	.3	70.3	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	.3	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	.3	73.2	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	.3	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	.3	74.8	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	.3	75.8	78.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	.3	75.8	78.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1600	.3	77.4	80.7	81.6	82.3	82.3	82.6	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1400	.3	78.4	81.6	82.6	83.2	83.6	83.9	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	.3	79.4	83.2	84.2	84.8	85.2	85.5	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000	.3	79.4	83.6	84.5	85.2	85.5	85.8	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	.3	80.3	84.5	85.5	86.1	86.5	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	.3	80.3	84.5	85.5	86.1	86.5	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	.3	80.7	84.8	85.8	86.5	86.8	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	.3	81.0	85.2	86.1	86.8	87.1	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	.3	81.0	85.5	87.4	88.1	88.4	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400	.3	81.0	85.5	87.4	88.4	88.7	90.7	91.3	91.3	91.3	91.9	91.9	91.9	91.9	91.9	91.9
≥ 300	.3	81.3	85.8	87.7	88.7	89.0	91.3	92.9	93.6	93.9	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	.3	81.3	85.8	87.7	88.7	89.0	91.3	93.2	94.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	.3	81.3	85.8	87.7	88.7	89.0	91.3	93.2	94.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	.3	81.3	85.8	87.7	88.7	89.0	91.3	93.2	94.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1477
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSMAG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ ⅓	≥ ¼	≥ 0
NO CEILING	1.3	45.9	46.4	46.6	46.7	46.9	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	1.3	50.2	50.7	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4
≥ 18000	1.3	50.2	50.7	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4
≥ 16000	1.3	50.2	50.7	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4
≥ 14000	1.3	50.7	51.3	51.6	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	1.3	51.7	52.3	52.6	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	1.4	55.2	55.8	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	1.4	55.8	56.4	56.7	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	1.4	57.9	58.6	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 7000	1.4	59.2	59.9	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	1.4	67.5	61.3	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	1.4	63.4	64.2	64.9	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	1.4	65.3	66.2	66.9	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	1.4	67.8	68.9	69.6	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3500	1.5	69.6	70.9	71.6	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	1.5	72.7	74.2	74.9	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	1.5	74.4	76.1	77.0	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 2000	1.5	75.7	77.7	78.8	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1800	1.5	76.0	77.9	79.1	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	1.5	77.3	79.8	81.0	81.7	81.9	82.1	82.3	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 1200	1.5	77.7	80.5	81.9	82.7	82.9	83.2	83.3	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9
≥ 1000	1.5	78.4	81.7	83.3	84.5	84.8	85.2	85.5	85.7	85.9	86.1	86.1	86.2	86.2	86.2	86.2
≥ 900	1.5	78.6	81.9	83.3	84.8	85.1	85.6	85.9	86.1	86.4	86.5	86.5	86.7	86.7	86.7	86.7
≥ 800	1.5	79.3	82.7	84.5	85.9	86.3	86.9	87.5	87.6	87.9	88.2	88.2	88.3	88.3	88.3	88.3
≥ 700	1.5	79.7	83.5	85.4	86.9	87.3	88.0	88.6	88.8	89.1	89.4	89.4	89.5	89.5	89.5	89.5
≥ 600	1.5	80.0	83.9	86.0	87.9	88.2	89.2	89.6	90.0	90.4	90.7	90.7	90.9	90.9	90.9	90.9
≥ 500	1.5	80.2	84.3	86.6	88.8	89.3	90.5	91.3	91.6	92.2	92.6	92.7	92.9	92.9	92.9	92.9
≥ 400	1.5	80.3	84.4	86.9	89.2	89.8	91.3	92.3	92.8	93.6	94.0	94.1	94.5	94.5	94.5	94.5
≥ 300	1.5	80.3	84.5	87.1	89.6	90.2	92.0	93.4	94.0	95.1	95.9	95.9	96.4	96.5	96.6	96.7
≥ 200	1.5	80.3	84.5	87.1	89.7	90.3	92.3	93.8	94.4	95.8	96.7	96.8	97.6	97.7	98.1	98.3
≥ 100	1.5	80.3	84.5	87.1	89.7	90.3	92.3	93.8	94.4	95.9	96.9	97.1	98.0	98.2	99.2	99.7
≥ 0	1.5	80.3	84.5	87.1	89.7	90.3	92.3	93.8	94.4	95.9	96.9	97.1	98.0	98.2	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS

2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-82
YEARSAPR
MONTHPERCENTAGE 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	52.3	52.3	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	1.3	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	1.3	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	1.3	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	1.3	56.7	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	1.7	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	1.7	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 9000	1.7	61.7	61.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	1.7	64.7	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 7000	1.7	67.7	67.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 6000	1.7	70.3	70.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	1.7	73.3	74.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	1.7	74.7	75.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	1.7	77.3	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	1.7	78.0	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	1.7	78.7	79.7	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	1.7	79.7	81.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	1.7	80.3	82.0	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	1.7	80.3	82.0	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	1.7	80.3	82.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200	1.7	81.7	84.0	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3
IV 1000	1.7	82.7	85.0	87.0	88.3	88.3	88.3	88.3	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0
IV 900	1.7	82.7	85.0	87.0	88.3	88.3	88.3	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	1.7	83.0	85.7	87.7	89.0	89.0	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	1.7	83.3	86.0	88.0	89.3	89.3	89.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	1.7	83.7	86.7	89.0	90.7	90.7	90.7	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	1.7	84.3	87.3	90.3	92.7	92.7	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	1.7	84.3	88.0	91.3	93.7	93.7	94.0	94.0	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	1.7	84.3	88.0	91.7	95.0	95.0	95.7	96.0	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	1.7	84.3	88.0	92.0	95.3	95.3	96.3	96.7	96.7	97.3	98.0	98.0	98.3	98.3	98.3	98.3
IV 100	1.7	84.3	88.3	92.3	95.7	95.7	96.7	97.0	97.0	97.7	98.7	98.7	99.0	99.0	99.3	99.7
IV 0	1.7	84.3	88.3	92.3	95.7	95.7	96.7	97.0	97.0	97.7	98.7	98.7	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14730
STATIONSOUTH NEWMOUTH, MA
STATION NAME73-32
YEARSAPR
MONTHD4
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	1.7	40.3	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	57.0	52.0	52.3	52.3	52.3	52.3
≥ 20000	1.7	54.3	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.3	56.3	56.3	56.3
IV 18000	1.7	54.3	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.3	56.3	56.3	56.3
IV 16000	1.7	54.3	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.3	56.3	56.3	56.3
IV 14000	1.7	54.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.7	56.7	56.7	56.7
IV 12000	1.3	55.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.3	57.3	57.3	57.3
IV 10000	1.7	59.0	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.7	61.7	61.7	61.7
IV 9000	1.7	59.7	60.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.3	62.3	62.3	62.3
IV 8000	1.7	62.0	63.0	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3	64.7	64.7	64.7	64.7
IV 7000	1.7	64.7	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.7	67.7	67.7	67.7
IV 6000	1.7	66.3	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.3	69.3	69.3	69.3
IV 5000	1.7	68.7	69.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.7	71.7	71.7	71.7
IV 4500	1.7	70.7	71.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.3	74.3	74.3	74.3
IV 4000	1.7	72.0	73.0	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3	75.7	75.7	75.7	75.7
IV 3500	1.7	73.7	74.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	77.0	77.0	77.3	77.3	77.3	77.3
IV 3000	1.7	74.3	75.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	78.0	78.0	78.0	78.0
IV 2500	1.7	74.7	75.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.3	78.3	78.3	78.3
IV 2000	1.7	76.0	77.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.7	81.0	81.0	81.0	81.0
IV 1800	1.7	76.3	78.0	80.0	80.7	80.7	80.7	80.7	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7
IV 1500	1.7	77.3	79.0	81.3	82.0	82.0	82.0	82.0	82.0	82.3	82.7	82.7	83.0	83.0	83.0	83.0
IV 1200	1.7	77.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.7	83.0	83.0	83.3	83.3	83.3	83.3
IV 1000	1.7	78.7	81.0	83.7	84.7	84.7	84.7	84.7	84.7	85.0	85.3	85.3	85.7	85.7	85.7	85.7
IV 900	1.7	78.7	81.0	83.7	84.7	84.7	84.7	84.7	84.7	85.0	85.3	85.3	85.7	85.7	85.7	85.7
IV 800	1.7	78.7	81.0	83.7	84.7	84.7	84.7	84.7	84.7	85.3	85.7	85.7	86.0	86.0	86.0	86.0
IV 700	1.7	79.0	81.3	84.0	85.3	85.7	85.7	86.0	86.0	86.0	86.7	87.0	87.3	87.3	87.3	87.3
IV 600	1.7	79.3	81.7	84.7	86.0	86.7	86.7	87.0	87.0	87.3	87.7	88.0	88.3	88.3	88.3	88.3
IV 500	1.7	79.7	82.3	86.0	87.7	88.3	88.3	89.0	89.3	89.3	90.0	90.3	90.3	91.0	91.0	91.0
IV 400	1.7	80.0	82.7	86.7	88.3	89.0	89.7	90.3	90.3	90.3	91.3	91.7	91.7	92.3	92.3	92.3
IV 300	1.7	80.0	82.7	87.3	89.3	90.7	91.7	92.7	92.7	93.7	94.0	94.0	94.7	94.7	94.7	94.7
IV 200	1.7	80.3	83.0	87.7	90.0	91.3	92.7	93.7	93.7	95.3	95.7	95.7	96.7	96.7	97.0	97.0
IV 100	1.7	80.3	83.0	87.7	90.0	92.0	93.3	94.3	94.3	96.3	96.7	96.7	97.7	98.0	98.3	98.7
IV 0	1.7	80.3	83.0	87.7	90.0	92.0	93.3	94.3	94.3	96.3	96.7	96.7	97.7	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14750
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	3.3	45.7	47.0	47.3	47.7	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	3.7	52.3	53.3	53.7	54.3	54.3	54.3	54.7	54.7	54.7	54.7	54.7	55.0	55.0	55.0
≥ 18000	3.7	52.3	53.7	54.0	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.3	55.3	55.3
≥ 16000	3.7	52.3	53.7	54.0	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.3	55.3	55.3
≥ 14000	3.7	52.7	54.0	54.3	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.7	55.7	55.7
≥ 12000	3.7	54.7	56.0	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.7	57.7	57.7
≥ 10000	4.0	58.3	59.7	60.0	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3
≥ 9000	4.0	59.0	60.3	60.7	61.3	61.3	61.3	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0
≥ 8000	4.0	61.3	62.7	63.0	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	65.0	65.0	65.0
≥ 7000	4.0	64.7	65.3	65.7	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.7	67.7	67.7
≥ 6000	4.0	65.7	67.0	67.3	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3
≥ 5000	4.0	67.7	69.0	69.7	71.0	71.0	71.0	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0
≥ 4500	4.0	69.7	71.0	71.7	73.0	73.0	73.0	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0
≥ 4000	4.3	72.0	73.3	74.0	75.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3
≥ 3500	4.3	73.0	74.3	75.0	76.3	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7
≥ 3000	4.3	74.3	75.7	76.3	77.7	78.0	78.3	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0
≥ 2500	4.3	75.0	76.3	77.0	78.3	78.7	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0
≥ 2000	4.3	75.7	77.0	78.0	79.3	79.7	80.0	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0
≥ 1800	4.3	76.0	77.3	78.3	79.7	80.0	80.3	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.3
≥ 1500	4.3	76.3	77.7	79.0	80.7	81.0	81.3	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3
≥ 1200	4.3	76.7	78.3	79.7	81.3	81.7	82.0	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0
≥ 1000	4.3	77.0	79.0	80.3	82.0	82.3	83.3	84.0	84.0	84.3	84.3	84.3	84.7	84.7	84.7
≥ 900	4.3	77.3	79.3	80.7	82.3	82.7	83.7	84.3	84.3	84.3	84.7	84.7	85.0	85.0	85.0
≥ 800	4.3	77.7	79.7	81.0	83.3	83.7	84.7	85.3	85.3	85.7	85.7	85.7	86.0	86.0	86.0
≥ 700	4.3	78.0	80.3	81.7	84.3	84.7	86.0	86.7	86.7	87.0	87.0	87.0	87.3	87.3	87.3
≥ 600	4.3	78.0	80.3	82.3	85.3	85.7	87.3	88.0	88.0	88.3	88.3	88.7	89.0	89.0	89.0
≥ 500	4.3	78.0	81.7	83.7	87.0	87.3	90.0	91.3	91.3	91.7	92.3	92.3	92.7	92.7	92.7
≥ 400	4.3	78.0	81.7	84.0	87.7	88.0	91.0	93.3	93.3	94.0	94.7	94.7	95.0	95.0	95.0
≥ 300	4.3	78.0	81.7	84.0	87.7	88.0	91.0	93.7	93.7	95.0	96.0	96.0	96.3	96.3	96.3
≥ 200	4.3	78.0	81.7	84.0	88.0	88.3	91.3	94.3	94.3	96.3	97.7	97.7	98.3	98.3	98.7
≥ 100	4.3	78.0	81.7	84.0	88.0	88.3	91.3	94.3	94.3	96.3	97.7	97.7	99.0	99.3	99.7
≥ 0	4.3	78.0	81.7	84.0	88.0	88.3	91.3	94.3	94.3	96.3	97.7	97.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATIONSOUTH Weymouth, MA
STATION NAME73-82
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1C
HOURS (12 Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	45.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	4.3	50.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	4.3	50.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	4.3	50.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	4.3	51.0	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	52.3
≥ 12000	4.3	52.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	4.7	54.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	4.7	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	4.7	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	4.7	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	4.7	61.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	4.7	64.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	4.7	66.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	5.0	69.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	5.0	70.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	5.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	5.0	75.3	77.7	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000	5.0	78.0	80.3	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	5.0	78.3	80.7	81.0	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	5.0	80.0	82.7	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200	5.0	81.3	84.0	85.3	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	5.0	83.0	85.7	87.0	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7
≥ 900	5.0	83.0	85.7	87.0	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7
≥ 800	5.0	83.3	86.7	88.3	89.3	89.7	90.0	90.7	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3
≥ 700	5.0	83.3	86.7	88.7	90.0	90.3	90.7	91.3	91.3	91.7	91.7	91.7	92.0	92.0	92.0	92.0
≥ 600	5.0	83.7	87.3	89.3	91.0	91.3	92.3	93.0	93.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 500	5.0	83.7	87.3	89.7	91.7	92.0	93.3	94.3	94.3	95.0	95.0	95.0	95.3	95.3	95.3	95.3
≥ 400	5.0	83.7	87.3	89.7	92.0	92.3	94.3	95.3	95.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 300	5.0	83.7	87.3	89.7	92.0	92.3	94.3	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0
≥ 200	5.0	83.7	87.3	89.7	92.0	92.3	94.3	96.3	96.3	98.0	98.3	98.3	98.3	98.7	99.3	100.0
≥ 100	5.0	83.7	87.3	89.7	92.0	92.3	94.3	96.3	96.3	98.0	98.3	98.3	98.3	98.7	99.3	100.0
≥ 0	5.0	83.7	87.3	89.7	92.0	92.3	94.3	96.3	96.3	98.0	98.3	98.3	98.3	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1427
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-92
YEARSAPC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	5.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
WV 18000	5.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
WV 16000	5.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
WV 14000	5.0	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
WV 12000	5.0	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
WV 10000	5.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
WV 9000	5.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
WV 8000	5.3	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
WV 7000	5.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
WV 6000	5.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
WV 5000	5.3	61.7	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
WV 4500	5.3	63.3	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
WV 4000	5.3	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
WV 3500	5.3	73.7	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
WV 3000	5.3	79.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
WV 2500	5.3	81.7	83.0	83.3	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
WV 2000	5.3	83.0	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
WV 1800	5.3	84.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7
WV 1500	5.3	85.7	87.0	88.3	88.7	88.7	88.7	88.7	88.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7
WV 1200	5.7	87.7	89.0	90.3	90.7	90.7	90.7	90.7	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7
WV 1000	5.7	88.0	90.0	91.3	91.7	91.7	91.7	92.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
WV 900	5.7	88.3	90.3	91.7	92.0	92.0	92.0	92.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
WV 800	5.7	88.3	90.3	92.0	92.7	92.7	93.0	93.3	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
WV 700	5.7	88.3	90.7	92.3	93.0	93.0	93.3	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
WV 600	5.7	89.3	90.7	92.3	93.0	93.3	93.7	94.0	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
WV 500	5.7	88.7	91.0	92.7	94.0	94.3	94.7	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
WV 400	5.7	88.7	91.0	93.0	94.3	94.7	95.0	97.0	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
WV 300	5.7	88.7	91.0	93.0	94.3	94.7	95.0	97.3	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.7
WV 200	5.7	88.7	91.0	93.0	94.3	94.7	95.0	97.3	97.7	99.0	99.3	99.3	99.3	99.7	99.7	100.0
WV 100	5.7	88.7	91.0	93.0	94.3	94.7	95.0	97.3	97.7	99.0	99.3	99.3	99.7	99.7	100.0	100.0
WV 0	5.7	88.7	91.0	93.0	94.3	94.7	95.0	97.3	97.7	99.0	99.3	99.3	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 350

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-22
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 2' - 1'	4.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 18000	4.7	49.3	49.3	49.3	49.3	49.3	49.3	40.3	47.7	49.3	47.3	49.3	49.3	49.3	49.3	49.3
IV 16000	4.7	49.3	49.3	49.3	49.3	49.3	49.3	40.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	4.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	4.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	5.0	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	5.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	5.0	58.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	5.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	5.0	64.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000	5.0	66.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	5.0	68.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 4000	6.0	72.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	6.3	76.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3000	6.3	80.3	81.3	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	6.3	81.3	82.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	6.7	84.7	85.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	6.7	84.7	85.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	6.7	86.0	87.0	88.3	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	6.7	86.0	87.0	88.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	6.7	86.3	87.3	88.7	89.7	89.7	90.3	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	6.7	86.3	87.3	88.7	89.7	89.7	90.3	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	6.7	87.0	88.0	90.0	91.3	91.3	92.0	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0
IV 700	6.7	87.0	88.0	90.3	92.3	92.3	93.0	93.3	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	6.7	87.3	88.3	91.0	93.3	93.3	94.7	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	6.7	87.3	88.3	91.3	94.0	94.3	95.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	6.7	87.3	88.3	91.3	94.0	94.3	96.0	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	6.7	87.3	88.3	91.3	94.0	94.3	96.0	97.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	6.7	87.3	88.3	91.3	94.0	94.3	96.0	97.3	98.3	98.3	99.3	99.3	99.3	99.7	99.7	99.7
IV 100	6.7	87.3	88.3	91.3	94.0	94.3	96.0	97.3	98.3	98.3	99.3	99.3	99.3	99.7	99.7	100.0
IV 0	6.7	87.3	88.3	91.3	94.0	94.3	96.0	97.3	98.3	98.3	99.3	99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-02
TRADE

195
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	46.3	46.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	2.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IN 18000	2.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IN 16000	2.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IN 14000	2.7	50.7	51.0	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
IN 12000	2.7	53.0	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IN 10000	2.7	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IN 9000	2.7	56.7	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IN 8000	2.7	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IN 7000	2.7	63.3	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 6000	2.7	66.3	67.0	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IN 5000	2.7	69.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 4500	2.7	70.7	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 4000	2.7	74.7	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IN 3500	2.7	76.7	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IN 3000	2.7	78.3	80.3	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IN 2500	2.7	79.3	81.3	82.0	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 2000	2.7	79.7	81.7	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IN 1800	2.7	80.0	82.0	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 1600	2.7	81.3	84.0	84.7	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IN 1400	2.7	82.7	85.3	86.3	86.7	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IN 1200	2.7	84.0	86.7	88.0	88.3	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IN 1000	2.7	84.0	86.7	88.3	88.7	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 900	2.7	84.7	87.3	89.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IN 800	2.7	84.7	87.3	89.0	89.3	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 700	2.7	84.7	87.3	89.0	89.3	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 600	2.7	84.7	87.3	89.0	89.3	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 500	2.7	85.0	87.7	89.7	90.3	92.0	93.7	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IN 400	2.7	85.0	87.7	90.0	91.0	92.7	94.7	95.7	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IN 300	2.7	85.3	88.0	90.3	91.3	93.0	95.3	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IN 200	2.7	85.3	88.0	90.3	91.3	93.0	95.3	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IN 100	2.7	85.3	88.0	90.3	91.3	93.0	95.3	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IN 0	2.7	85.3	88.0	90.3	91.3	93.0	95.3	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

SOUTH WYOMOUTH, NC
STATION NAME

77-12
YEARS

6P
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	2.1	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	52.3
≥ 20000	2.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000	2.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	2.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	2.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	2.0	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	2.0	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 9000	2.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	2.0	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 7000	2.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	2.0	71.7	72.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	2.0	74.3	75.0	75.7	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500	2.0	75.0	76.0	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	2.0	77.0	78.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	2.0	78.7	80.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000	2.0	80.7	81.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	2.0	80.7	82.7	83.7	84.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	2.0	81.3	83.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	2.0	81.3	83.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	2.0	83.3	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	2.0	84.0	86.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	2.0	84.0	86.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 900	2.0	84.0	86.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 800	2.0	84.3	87.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	2.0	84.7	87.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	2.0	85.3	88.0	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	2.0	85.7	88.3	90.3	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	2.0	86.0	88.7	91.3	93.0	93.7	94.3	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	2.0	86.0	88.7	91.7	93.3	94.7	95.3	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	2.0	86.0	88.7	91.7	93.3	94.7	95.3	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	2.0	86.0	88.7	91.7	93.3	95.0	96.0	96.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	2.0	86.0	88.7	91.7	93.3	95.0	96.0	96.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-52
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS 11 P.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.9	47.5	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	3.1	52.3	52.9	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4
NV 18000	3.1	52.4	53.0	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5
NV 16000	3.1	52.4	53.0	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5
NV 14000	3.1	52.4	53.4	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9
NV 12000	3.2	54.2	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.3	55.3	55.3	55.3
NV 10000	3.4	57.3	58.0	58.1	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5
NV 9000	3.4	57.9	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
NV 8000	3.4	61.1	61.9	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
NV 7000	3.4	63.3	64.1	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
NV 6000	3.4	65.5	66.4	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
NV 5000	3.4	68.0	69.0	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70.2
NV 4500	3.4	69.8	70.8	71.4	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
NV 4000	3.7	73.2	74.3	75.0	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6
NV 3500	3.9	75.0	76.2	76.9	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6
NV 3000	3.9	77.5	78.8	79.7	80.1	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5
NV 2500	3.9	78.5	81.0	80.9	81.3	81.4	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8
NV 2000	3.9	79.9	81.5	82.5	83.1	83.1	83.3	83.4	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.7
NV 1800	3.9	80.1	81.8	82.9	83.4	83.5	83.6	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0
NV 1500	3.9	81.3	83.2	84.5	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.8	85.8	85.9	85.9	85.9
NV 1200	3.9	82.7	84.2	85.6	86.4	86.5	86.7	86.8	86.8	87.0	87.0	87.0	87.0	87.1	87.1	87.1
NV 1000	3.9	83.0	85.1	86.7	87.5	87.7	88.0	88.2	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7
NV 900	3.9	83.0	85.2	86.8	87.7	87.8	88.1	88.3	88.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8
NV 800	3.9	83.4	85.7	87.5	88.6	88.8	89.2	89.5	89.5	89.8	90.0	90.0	90.0	90.1	90.1	90.1
NV 700	3.9	83.5	86.0	87.9	89.1	89.3	89.9	90.2	90.3	90.6	90.8	90.8	90.8	90.9	90.9	90.9
NV 600	3.9	83.8	86.3	88.4	89.9	90.2	90.9	91.4	91.5	91.8	92.0	92.0	92.0	92.1	92.1	92.1
NV 500	3.9	84.0	86.6	89.2	91.1	91.6	92.7	93.5	93.6	94.0	94.2	94.2	94.4	94.4	94.4	94.4
NV 400	3.9	84.1	86.9	89.7	91.8	92.3	93.6	94.8	94.9	95.6	95.8	95.8	95.8	96.0	96.0	96.0
NV 300	3.9	84.2	87.0	89.9	92.1	92.8	94.3	95.9	96.1	96.9	97.3	97.3	97.5	97.5	97.5	97.5
NV 200	3.9	84.2	87.0	90.0	92.3	93.0	94.6	96.3	96.5	97.5	98.1	98.1	98.5	98.6	98.8	98.8
NV 100	3.9	84.2	87.0	90.0	92.3	93.2	94.8	96.4	96.7	97.8	98.4	98.4	98.8	99.2	99.4	99.8
NV 0	3.9	84.2	87.0	90.0	92.3	93.2	94.8	96.4	96.7	97.8	98.4	98.4	98.8	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14750
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.6	44.2	44.8	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		45.8	46.8	48.1	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000		45.8	46.8	48.1	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000		45.8	46.8	48.1	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000		46.1	47.1	48.4	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000		48.4	49.4	50.7	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000		52.9	53.9	55.2	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000		53.2	54.2	55.5	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000		56.8	58.1	59.4	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000		58.4	59.7	61.0	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000		59.0	60.3	61.9	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000		52.3	64.2	65.8	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500		62.3	64.2	65.8	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000		63.2	65.2	66.8	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500		64.8	67.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000		66.1	68.4	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500		67.4	69.7	71.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000		67.7	70.3	72.3	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800		68.1	70.7	72.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1500		69.0	71.9	74.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200		69.4	72.3	74.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1000		70.0	73.6	75.8	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900		70.0	73.6	75.8	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800		70.7	74.5	76.8	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 700		70.7	74.5	77.1	79.0	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 600		71.9	76.5	79.7	81.9	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 500		71.9	76.5	80.0	82.6	82.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 400		72.3	76.8	80.3	83.6	83.6	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 300		72.3	76.8	81.0	84.5	84.5	85.5	87.1	88.1	88.7	88.7	89.0	89.0	89.0	89.0	89.0
≥ 200		72.3	76.8	81.0	84.5	84.5	86.1	88.1	89.7	90.3	90.7	90.7	91.0	91.9	91.9	91.9
≥ 100		72.3	76.8	81.0	84.5	84.5	86.1	88.1	90.0	90.7	91.0	91.6	92.3	93.9	94.2	95.5
≥ 0		72.3	76.8	81.0	84.5	84.5	86.1	88.1	90.0	90.7	91.0	91.6	92.3	94.2	94.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14721
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-52
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		38.1	35.4	40.0	41.9	42.3	43.2	43.2	43.6	44.2	44.5	44.5	44.5	44.5	44.8
≥ 20000		40.3	42.6	43.2	45.2	45.5	46.5	46.5	47.1	47.7	48.1	48.1	48.1	48.1	48.4
≥ 18000		40.7	42.9	43.6	45.5	45.8	46.8	46.8	47.4	48.1	49.4	49.4	49.4	49.4	49.7
≥ 16000		40.7	42.9	43.6	45.5	45.8	46.8	46.8	47.4	48.1	48.1	48.1	48.1	48.1	48.4
≥ 14000		40.7	42.9	43.6	45.5	45.8	46.8	46.8	47.4	48.1	48.1	48.1	48.1	48.1	48.4
≥ 12000		41.9	44.2	44.8	46.8	47.1	48.1	48.1	48.7	49.4	49.4	49.4	49.4	49.4	50.0
≥ 10000		44.5	47.1	47.7	49.7	50.0	51.3	51.3	51.9	52.6	53.2	53.2	53.2	53.2	53.6
≥ 9000		44.5	47.1	47.7	50.0	50.3	51.3	51.3	51.9	52.6	53.2	53.2	53.2	53.2	53.6
≥ 8000		47.1	49.7	51.0	53.6	53.9	55.2	55.2	55.8	56.5	57.1	57.1	57.1	57.1	57.4
≥ 7000		47.7	50.3	51.6	54.2	54.5	55.8	55.8	56.5	57.1	57.7	57.7	57.7	57.7	58.1
≥ 6000		49.7	52.3	53.6	56.1	56.9	57.7	57.7	58.4	59.0	59.7	59.7	59.7	59.7	60.0
≥ 5000		54.5	58.1	59.7	62.3	62.6	63.9	63.9	64.5	65.2	65.8	65.8	65.8	65.8	66.1
≥ 4000		55.8	59.4	61.0	63.6	63.9	65.2	65.2	65.8	66.5	67.1	67.1	67.1	67.1	67.4
≥ 3500		57.7	61.3	62.9	65.5	65.8	67.1	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.4
≥ 3000		58.1	61.9	63.9	66.8	67.1	68.4	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.7
≥ 2500		59.0	62.9	64.8	67.7	68.1	69.4	69.4	70.0	70.7	71.3	71.3	71.3	71.3	71.6
≥ 2000		60.0	64.2	66.1	69.0	69.4	70.7	70.7	71.3	71.9	72.6	72.6	72.6	72.6	72.9
≥ 1800		60.3	64.8	67.4	70.3	70.7	71.9	71.9	72.6	73.2	73.9	73.9	73.9	73.9	74.2
≥ 1600		60.3	65.2	68.1	71.0	71.3	72.6	72.6	73.2	73.9	74.5	74.5	74.5	74.5	74.8
≥ 1400		61.0	65.8	68.7	71.6	71.9	73.2	73.2	73.9	74.5	75.2	75.2	75.2	75.2	75.5
≥ 1200		61.3	66.5	69.4	72.6	72.9	74.8	74.8	75.5	76.1	76.8	76.8	76.8	76.8	77.1
≥ 1000		61.8	66.8	69.7	72.9	73.2	75.5	75.5	76.1	76.8	77.4	77.4	77.4	77.4	77.7
≥ 900		61.9	67.4	70.7	74.2	74.5	77.1	77.1	77.7	78.4	79.0	79.0	79.0	79.0	79.4
≥ 800		62.6	68.1	71.3	74.8	75.2	77.7	78.1	78.7	79.4	80.0	80.0	80.0	80.0	80.3
≥ 700		62.9	68.4	71.6	75.2	75.5	78.4	78.7	79.4	80.0	80.7	80.7	80.7	80.7	81.0
≥ 600		63.6	69.0	72.9	77.1	77.4	81.3	81.9	82.9	83.6	84.2	84.2	84.2	84.2	84.5
≥ 500		63.6	69.0	72.9	77.4	78.1	81.9	82.9	83.9	84.5	85.2	85.2	85.2	85.2	85.5
≥ 400		63.6	69.0	73.2	77.7	78.4	82.9	84.2	85.2	86.1	86.8	86.8	86.8	86.8	87.1
≥ 300		63.6	69.0	73.9	78.4	79.0	84.2	85.5	86.5	87.4	88.4	88.4	88.4	88.4	89.0
≥ 200		63.6	69.0	73.9	78.4	79.0	84.2	85.5	86.5	87.4	88.4	88.4	88.4	88.4	89.0
≥ 100		63.6	69.0	73.9	78.4	79.0	84.2	85.5	86.5	87.4	88.4	88.4	88.4	88.4	89.0
≥ 0		63.6	69.0	73.9	78.4	79.0	84.2	85.5	86.5	87.4	88.4	88.4	88.4	88.4	89.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700

SOUTH WYOMOUTH, MA

73-02

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.2	44.2	44.8	45.5	45.5	45.5	45.5	45.5	45.5	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	1.3	46.5	47.7	49.0	50.0	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	1.3	46.5	47.7	49.0	50.0	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	1.3	46.5	47.7	49.0	50.0	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	1.3	47.1	48.4	49.7	50.7	50.7	50.7	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	1.3	48.7	50.0	51.3	52.3	52.3	52.3	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	1.6	51.9	53.6	54.8	55.8	55.8	55.8	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	1.6	52.3	54.2	55.5	56.5	56.5	56.5	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	1.6	55.5	57.7	59.4	60.3	60.3	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	1.6	57.1	59.4	61.3	62.3	62.3	62.3	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	1.6	58.1	61.7	62.6	63.6	63.6	63.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	1.6	59.4	62.6	64.5	65.5	65.5	65.5	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	1.6	59.7	62.9	64.8	65.8	65.8	65.8	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	1.6	61.6	65.2	67.1	68.1	68.1	68.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	1.6	62.3	65.8	67.7	68.7	69.0	69.0	69.4	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	1.6	63.6	67.1	69.0	70.0	70.3	70.3	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	1.6	64.5	68.1	70.3	71.6	71.9	71.9	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000	1.6	65.5	69.0	71.3	72.6	72.9	72.9	73.2	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1800	1.6	65.5	69.0	71.3	72.6	72.9	72.9	73.2	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1500	1.6	67.1	70.7	73.6	75.2	75.5	75.5	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1200	1.6	67.1	70.7	73.6	75.5	75.8	75.8	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	1.6	68.7	72.6	75.5	78.1	78.4	78.7	79.0	79.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 900	1.6	68.7	72.6	75.5	78.1	78.4	78.7	79.7	79.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0
≥ 800	1.6	69.0	72.9	75.8	78.7	79.0	79.7	80.7	80.7	81.6	81.6	81.9	81.9	81.9	81.9	81.9
≥ 700	1.6	69.4	73.2	76.1	79.4	79.7	79.7	80.0	80.0	81.0	81.0	81.9	82.3	82.3	82.3	82.3
≥ 600	1.6	69.4	73.2	76.1	79.4	79.7	79.7	80.3	80.3	81.3	81.3	82.9	83.2	83.2	83.2	83.2
≥ 500	1.6	69.4	73.2	76.1	79.4	79.7	79.7	82.3	82.3	84.2	84.2	86.1	86.5	86.5	86.5	86.5
≥ 400	1.6	69.4	73.2	76.1	79.4	79.7	79.7	82.3	82.3	84.2	84.2	87.1	87.7	88.1	88.1	88.1
≥ 300	1.6	69.4	73.2	76.1	79.4	79.7	79.7	80.0	80.0	85.5	86.5	90.3	91.3	91.9	93.2	93.6
≥ 200	1.6	69.4	73.2	76.1	79.7	79.7	79.7	80.3	80.3	85.8	86.8	91.0	92.3	93.2	95.2	96.1
≥ 100	1.6	69.4	73.2	76.1	79.7	79.7	79.7	80.3	80.3	85.8	86.8	91.0	92.3	93.2	95.8	96.5
≥ 0	1.6	69.4	73.2	76.1	79.7	79.7	79.7	80.3	80.3	85.8	86.8	91.0	92.3	93.2	95.8	96.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATION

SOUTH WYOMOUTH, MA
STATION NAME

73-A2
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	1.0	48.1	47.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	1.7	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	1.7	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 16000	1.7	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 14000	1.7	52.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	1.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	1.7	56.8	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 9000	1.7	57.4	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	1.7	61.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 7000	1.9	61.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	1.9	62.3	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	1.9	63.6	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4500	1.9	64.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	1.9	64.8	67.4	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
IV 3500	1.9	66.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	1.9	68.1	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 2500	2.3	70.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 2000	2.3	71.6	74.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1800	2.3	72.3	75.5	76.5	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1500	2.3	74.5	77.7	79.0	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1200	2.3	74.8	78.1	79.4	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1000	2.3	75.5	79.0	81.0	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 900	2.3	75.5	79.0	81.3	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 800	2.3	75.5	79.0	81.3	82.6	83.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 700	2.3	75.8	79.7	82.3	84.2	85.2	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 600	2.3	76.1	80.0	83.2	85.2	86.5	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 500	2.3	76.5	80.3	84.5	86.5	88.4	89.7	90.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	2.3	76.5	80.3	84.5	86.5	88.4	89.7	90.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 300	2.3	76.5	80.3	84.5	86.8	89.0	90.7	92.6	93.9	94.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	2.3	76.5	80.3	84.5	86.8	89.0	90.7	92.6	93.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4
IV 100	2.3	76.5	80.3	84.5	86.8	89.0	90.7	92.6	93.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4
IV 0	2.3	76.5	80.3	84.5	86.8	89.0	90.7	92.6	93.9	96.8	98.7	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-47
YEARS

MAY
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	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.4	42.6	43.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	2.3	49.3	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IN 18000	2.3	49.3	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IN 16000	2.3	49.3	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IN 14000	2.3	49.4	50.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IN 12000	2.3	50.0	51.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IN 10000	2.3	51.6	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IN 9000	2.3	51.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IN 8000	2.3	55.5	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 7000	2.3	55.5	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 6000	2.3	55.8	57.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IN 5000	2.6	59.4	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IN 4500	2.6	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IN 4000	2.6	64.9	66.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 3500	2.6	67.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IN 3000	2.6	73.6	75.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 2500	2.6	75.5	77.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IN 2000	2.6	76.8	79.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 1800	2.6	76.8	79.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 1500	2.6	79.4	82.3	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IN 1200	2.6	79.7	83.6	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 1000	2.6	80.3	84.2	87.4	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IN 900	2.6	80.7	84.5	87.7	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IN 800	2.6	81.9	85.8	89.0	90.0	90.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IN 700	2.6	82.3	86.1	89.7	91.3	91.3	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IN 600	2.6	82.3	86.1	89.7	91.6	91.6	92.3	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 500	2.6	82.9	87.1	90.7	93.2	93.6	94.8	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 400	2.6	82.9	87.4	91.0	93.6	93.9	95.5	96.5	96.8	97.1	97.4	97.7	97.7	97.7	97.7	97.7
IN 300	2.6	82.9	87.4	91.0	93.6	93.9	95.8	96.8	97.1	97.4	97.7	99.0	99.4	99.7	99.7	99.7
IN 200	2.6	82.9	87.4	91.0	93.6	93.9	95.8	97.1	97.4	97.7	99.0	99.4	99.7	99.7	99.7	99.7
IN 100	2.6	82.9	87.4	91.0	93.6	93.9	95.8	97.1	97.4	97.7	99.0	99.4	99.7	99.7	99.7	100.0
IN 0	2.6	82.9	87.4	91.0	93.6	93.9	95.8	97.1	97.4	97.7	99.0	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14730
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.2	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	2.6	54.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000	2.6	54.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 16000	2.6	54.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 14000	2.6	54.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	2.6	56.1	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	2.6	59.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	2.6	59.4	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	2.6	63.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 7000	2.6	63.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000	2.6	65.6	67.4	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
IV 5000	2.6	68.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	2.6	70.3	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	2.6	72.3	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	3.2	74.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	3.2	77.4	79.0	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	3.2	79.0	81.3	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	3.2	79.7	82.3	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800	3.2	80.0	82.9	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	3.2	81.3	84.5	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	3.2	81.9	85.2	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	3.2	81.9	85.2	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	3.2	82.3	85.5	86.5	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 800	3.2	82.6	85.8	86.8	87.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 700	3.2	84.2	87.4	88.4	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	3.2	84.5	87.7	89.0	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	3.2	84.5	88.4	89.7	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	3.2	84.8	88.7	90.3	91.9	92.9	93.6	94.5	95.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	3.2	84.8	88.7	90.3	92.3	93.6	94.5	95.5	96.5	97.1	98.4	98.7	99.0	99.0	99.0	99.0
IV 200	3.2	84.8	88.7	90.3	92.3	93.6	94.5	95.5	96.5	97.1	98.7	99.0	99.7	99.7	99.7	99.7
IV 100	3.2	84.8	88.7	90.3	92.3	93.6	94.5	95.5	96.5	97.1	99.0	99.4	100.0	100.0	100.0	100.0
IV 0	3.2	84.8	88.7	90.3	92.3	93.6	94.5	95.5	96.5	97.1	99.0	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14701
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-87
YEARSMAY
MONTHPERCENTAGE 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	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.3	44.8	46.1	45.1	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 20000	1.3	51.3	52.9	53.2	53.2	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	1.3	51.6	53.2	53.6	53.6	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	1.3	51.6	53.2	53.6	53.6	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	1.3	52.6	54.5	54.8	54.8	55.2	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 12000	1.3	54.5	56.5	56.8	56.8	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	1.3	59.4	61.3	61.6	61.6	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 9000	1.3	59.4	61.3	61.6	61.6	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 8000	1.3	62.9	64.8	65.2	65.2	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	1.3	64.5	66.5	67.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	1.3	66.1	68.1	68.7	69.7	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	1.3	69.4	71.3	72.3	72.3	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	1.3	71.0	72.9	73.9	73.9	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	1.3	73.6	75.5	76.5	76.5	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	1.3	74.2	76.1	77.1	77.1	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	1.3	75.8	77.7	79.0	79.0	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	1.3	75.9	78.1	79.4	79.4	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2000	1.3	76.8	79.4	80.7	80.7	81.3	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1800	1.3	76.8	79.4	80.7	80.7	81.3	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1500	1.3	78.1	80.7	82.3	82.3	83.2	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	1.3	78.4	81.3	82.9	82.9	83.9	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	1.3	78.7	81.6	83.2	83.2	84.2	84.5	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 900	1.3	78.7	81.6	83.2	83.2	84.2	84.5	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 800	1.3	79.0	81.9	83.6	83.6	84.5	84.8	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 700	1.3	79.4	82.3	83.9	83.9	84.8	85.2	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 600	1.3	79.4	82.6	84.5	84.5	86.1	86.8	87.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 500	1.3	80.7	84.2	86.1	86.5	88.4	89.4	89.7	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 400	1.3	80.7	84.2	86.1	86.8	89.0	90.0	91.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 300	1.3	80.7	84.2	86.1	86.8	89.0	90.0	91.0	91.9	94.5	96.1	96.1	96.8	96.8	96.8	96.8
IV 200	1.3	80.7	84.2	86.1	86.8	89.0	90.3	91.3	92.3	94.8	96.8	97.4	98.4	98.4	98.7	98.7
IV 100	1.3	80.7	84.2	86.1	86.8	89.0	90.3	91.3	92.3	94.8	96.8	97.4	98.4	98.4	99.4	99.4
IV 0	1.3	80.7	84.2	86.1	86.8	89.0	90.3	91.3	92.3	94.8	96.8	97.4	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14736
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.2	45.8	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
≥ 20000	50.0	51.0	51.3	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 18000	50.0	51.0	51.3	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 16000	50.0	51.0	51.3	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	50.7	51.9	52.3	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 12000	53.2	54.5	54.8	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	57.1	58.7	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	58.1	59.7	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	61.9	63.6	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	63.2	64.8	65.2	65.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000	64.8	66.6	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	67.7	69.7	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4300	68.4	70.3	70.7	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	70.0	72.3	72.6	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	70.7	72.9	73.2	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3000	71.0	73.2	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500	71.3	73.9	74.2	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 2000	71.6	74.2	74.5	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800	71.6	74.2	74.5	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1500	72.3	75.2	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	72.3	75.5	76.5	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	72.9	76.1	77.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 900	73.6	76.8	78.1	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 800	73.9	77.4	78.7	80.7	80.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 700	73.9	77.4	79.0	81.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 600	74.5	78.7	81.0	83.2	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 500	74.8	79.4	81.6	84.2	84.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 400	75.2	79.7	82.3	84.8	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 300	75.5	80.0	82.6	85.5	85.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 200	75.5	80.0	82.6	85.5	85.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 100	75.5	80.0	82.6	85.5	85.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 0	75.5	80.0	82.6	85.5	85.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSMAY
MONTHPERCENTAGE 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	≥ ¼	≥ 0
NO CEILING	1.1	43.7	44.7	45.3	45.7	45.7	45.9	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2
IV 20000	1.3	42.8	50.1	50.9	51.3	51.4	51.7	51.7	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	1.3	48.9	50.2	51.0	51.4	51.5	51.7	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1
IV 16000	1.3	48.9	50.2	51.0	51.4	51.5	51.7	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1
IV 14000	1.3	49.2	50.7	51.5	51.9	52.0	52.2	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.6	52.6
IV 12000	1.3	50.8	52.3	53.0	53.5	53.6	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
IV 10000	1.3	54.2	57.6	56.6	57.1	57.1	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.8	57.8
IV 9000	1.3	54.5	56.2	57.0	57.5	57.6	57.8	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2
IV 8000	1.3	58.0	59.9	60.8	61.4	61.5	61.7	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1
IV 7000	1.3	59.0	60.8	61.8	62.4	62.5	62.7	62.8	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	1.3	60.2	62.1	63.2	63.8	63.6	64.1	64.2	64.3	64.4	64.5	64.5	64.5	64.5	64.6	64.6
IV 5000	1.3	63.0	65.3	66.4	67.0	67.1	67.3	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.8	67.8
IV 4500	1.3	64.2	66.5	67.6	68.2	68.3	68.6	68.6	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	1.3	66.0	68.4	69.5	70.0	70.1	70.4	70.5	70.6	70.7	70.8	70.8	70.8	70.8	70.9	70.9
IV 3500	1.4	67.5	69.9	71.1	71.7	71.8	72.1	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5
IV 3000	1.4	69.5	71.8	73.2	73.8	73.9	74.2	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IV 2500	1.5	70.4	72.2	74.6	75.2	75.4	75.7	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	1.5	71.3	74.2	75.7	76.5	76.7	76.9	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.5
IV 1800	1.5	71.4	74.4	75.9	76.7	76.9	77.1	77.2	77.4	77.5	77.6	77.6	77.6	77.6	77.7	77.7
IV 1500	1.5	72.7	76.0	77.8	79.7	79.0	79.3	79.4	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8
IV 1200	1.5	73.1	76.5	78.4	79.4	79.6	80.0	80.0	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 1000	1.5	73.7	77.3	79.3	80.8	81.1	81.6	81.7	81.9	82.1	82.2	82.2	82.2	82.2	82.3	82.3
IV 900	1.5	73.4	77.5	79.7	81.0	81.3	81.9	82.0	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6
IV 800	1.5	74.3	78.1	80.3	82.0	82.4	83.1	83.4	83.6	83.8	84.0	84.0	84.0	84.0	84.1	84.1
IV 700	1.5	74.8	78.6	81.0	82.8	83.3	84.0	84.4	84.6	84.8	85.0	85.0	85.0	85.0	85.1	85.1
IV 600	1.5	75.1	79.2	81.9	83.9	84.5	85.4	85.9	86.1	86.5	86.7	86.7	86.7	86.7	86.8	86.8
IV 500	1.5	75.5	79.8	82.7	85.1	85.9	87.4	88.1	88.5	89.0	89.2	89.2	89.3	89.3	89.4	89.4
IV 400	1.5	75.7	79.9	82.9	85.5	86.4	88.1	89.3	89.9	90.5	90.9	90.9	91.0	91.0	91.1	91.1
IV 300	1.5	75.7	80.0	83.1	85.8	86.9	89.0	90.4	91.2	92.5	93.4	93.6	93.9	93.9	93.9	94.0
IV 200	1.5	75.7	80.0	83.2	85.9	87.1	89.4	90.9	91.7	93.4	94.6	95.0	95.9	95.9	96.2	96.3
IV 100	1.5	75.7	80.0	83.2	85.9	87.1	89.4	91.0	91.8	93.7	95.0	95.6	97.1	97.2	98.0	98.4
IV 0	1.5	75.7	80.0	83.2	85.9	87.1	89.4	91.0	91.8	93.7	95.0	95.6	97.1	97.3	98.4	98.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSJUN
MONTHPERCENTAGE 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.7	41.7	49.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		46.7	50.0	53.3	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000		46.7	50.0	53.3	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000		46.7	50.0	53.3	54.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000		47.7	50.3	53.7	54.7	54.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000		48.3	51.7	55.0	56.0	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		52.0	55.3	58.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000		52.3	55.7	59.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000		54.0	57.7	61.3	62.3	62.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000		55.7	59.7	63.3	64.3	64.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000		57.3	62.0	65.7	66.7	66.7	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000		58.3	63.3	67.0	68.0	68.0	69.3	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4300		58.7	63.7	67.3	68.3	68.3	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000		59.3	65.0	68.7	69.7	69.7	71.0	71.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500		59.7	65.3	69.0	70.0	70.0	71.3	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000		60.7	67.0	71.0	72.0	72.0	73.3	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500		61.0	67.3	71.3	72.3	72.3	74.0	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000		61.3	67.7	71.7	72.7	72.7	74.3	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800		61.7	68.0	72.0	73.0	73.0	74.7	74.7	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1500		62.0	68.7	73.0	74.0	74.0	75.7	75.7	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1200		63.0	69.7	74.0	75.3	75.3	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000		64.0	71.0	75.7	77.0	77.0	78.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 900		64.0	71.3	76.0	77.3	77.3	79.3	79.3	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3
≥ 800		64.7	72.0	77.3	78.7	79.0	80.7	81.0	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0
≥ 700		64.7	72.0	77.7	79.0	79.7	81.3	81.7	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 600		65.7	73.0	79.3	81.3	82.3	84.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3
≥ 500		66.0	73.3	80.0	82.3	83.3	85.3	86.0	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 400		66.3	74.0	80.7	83.3	84.3	86.7	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 300		66.7	74.7	81.3	84.3	85.3	88.3	89.7	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200		66.7	74.7	81.7	84.7	86.0	89.3	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100		66.7	74.7	81.7	84.7	86.0	89.3	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 0		66.7	74.7	81.7	84.7	86.0	89.3	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1-7 5-17-101011, 1-1

73-82

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING		22.7	34.3	41.3	44.0	44.3	45.7	46.3	46.3	48.0	48.3	48.3	48.3	49.3	48.3	48.3
≥ 20000		34.2	37.0	43.0	45.7	46.0	47.3	48.7	48.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000		34.7	39.0	43.0	45.7	46.0	47.3	48.7	48.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000		34.0	39.0	43.0	45.7	46.0	47.3	48.7	48.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000		34.7	39.0	43.0	45.7	46.0	47.3	48.7	48.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000		35.7	39.7	44.7	47.3	47.7	49.0	50.3	50.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000		37.0	41.0	46.0	48.7	49.3	50.7	52.3	52.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000		37.3	41.3	46.3	49.0	49.7	51.0	52.7	52.7	54.3	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000		40.7	45.0	50.3	53.0	53.7	55.3	57.0	57.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000		42.0	46.3	52.0	54.7	55.3	57.0	58.7	58.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000		42.7	47.0	52.7	55.3	56.0	57.7	59.3	59.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7
≥ 5000		44.7	44.0	54.7	57.7	58.3	60.0	61.7	61.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4500		45.3	50.0	55.7	58.7	59.3	61.0	62.7	62.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000		46.0	51.0	56.7	60.0	60.7	62.3	64.0	64.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500		47.0	52.0	57.7	61.0	61.7	63.7	65.3	65.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3000		47.7	52.7	58.7	63.0	64.0	66.0	67.7	67.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2500		42.0	53.0	59.0	63.3	64.3	66.3	68.0	68.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000		44.0	53.3	59.3	63.7	64.7	66.7	68.3	68.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1800		46.0	53.3	59.3	63.7	64.7	66.7	68.3	68.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1600		48.3	54.0	60.0	64.3	65.7	67.7	69.3	69.7	71.7	72.3	72.3	72.3	72.3	72.3	72.7
≥ 1400		49.3	55.7	61.0	65.3	67.0	69.0	71.0	71.0	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1200		51.0	56.7	63.0	67.7	69.3	71.7	73.7	73.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1000		51.0	56.7	63.0	67.7	69.3	71.7	73.7	73.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 900		52.3	58.0	64.7	69.7	71.3	74.3	76.3	76.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3
≥ 800		53.0	59.3	66.0	71.0	72.7	75.7	77.7	77.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 700		53.7	60.0	66.7	72.0	74.0	77.3	79.3	79.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7
≥ 600		53.7	60.0	66.7	72.0	74.0	77.7	79.7	81.3	83.7	84.3	84.3	84.3	84.3	84.3	84.3
≥ 500		54.0	60.3	67.3	72.7	74.7	79.7	82.3	83.0	86.3	87.0	87.7	87.3	87.3	87.3	87.3
≥ 400		54.0	60.7	68.0	73.7	75.7	80.7	83.3	84.0	88.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300		54.0	60.7	68.0	74.0	76.0	81.0	83.7	84.3	90.0	91.7	92.0	94.3	94.3	94.7	94.7
≥ 200		54.0	60.7	68.0	74.0	76.0	81.0	83.7	84.3	90.0	91.7	92.0	94.3	94.3	94.7	94.7
≥ 100		54.0	60.7	68.0	74.0	76.0	81.0	83.7	84.3	90.0	91.7	92.0	94.3	94.3	94.7	94.7
≥ 0		54.0	60.7	68.0	74.0	76.0	81.0	83.7	84.3	90.0	91.7	92.0	94.3	94.3	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

SOUTH WYOMOUTH, VA
STATION NAME

73-P2
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	41.0	47.3	47.7	48.7	49.0	47.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	1.0	43.0	47.3	51.0	51.3	51.7	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	1.0	43.0	47.3	51.0	51.3	51.7	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	1.0	43.0	47.3	51.0	51.3	51.7	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	1.0	43.0	47.3	51.0	51.3	51.7	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	1.0	44.0	47.3	51.3	53.0	53.3	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000	1.0	47.7	52.7	55.3	57.0	57.3	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	1.0	48.0	53.0	56.0	57.7	58.0	59.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	1.0	51.0	56.0	59.0	60.7	61.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 7000	1.0	52.3	57.3	60.7	62.3	63.0	64.0	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	1.0	53.0	58.7	62.0	63.7	64.3	65.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	1.0	53.3	59.0	62.3	64.0	64.7	66.0	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	1.0	54.0	59.7	63.0	64.7	65.3	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	1.0	54.7	60.3	63.7	65.3	66.0	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 3500	1.0	55.3	61.7	65.0	66.7	67.3	69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	1.0	56.7	63.0	66.3	68.0	68.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	1.0	56.7	63.0	66.3	68.3	69.0	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 2000	1.0	58.0	64.3	67.7	69.7	70.3	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1800	1.0	58.7	65.0	68.3	70.3	71.0	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1500	1.0	59.0	65.3	69.0	71.3	72.0	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	1.0	59.7	66.3	70.0	72.7	73.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1000	1.0	61.0	67.7	71.7	74.3	75.3	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 900	1.0	61.0	67.7	71.7	74.3	75.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 800	1.0	61.3	68.0	72.7	75.7	76.7	80.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 700	1.0	61.3	69.7	73.3	77.0	78.0	81.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 600	1.0	61.3	69.0	73.7	77.7	79.0	82.7	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 500	1.0	61.3	69.3	74.0	79.3	80.7	84.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 400	1.0	61.3	69.3	74.0	80.3	82.0	86.7	88.7	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 300	1.0	61.3	69.3	74.0	80.3	82.0	86.7	88.7	90.7	92.3	92.7	93.0	94.0	94.3	94.3	94.3
IV 200	1.0	61.3	69.3	74.0	80.3	82.0	86.7	89.0	91.3	93.0	94.3	94.7	97.3	98.0	99.0	99.3
IV 100	1.0	61.3	69.3	74.0	80.3	82.0	86.7	89.0	91.3	93.0	94.3	94.7	97.3	98.0	99.3	99.7
IV 0	1.0	61.3	69.3	74.0	80.3	82.0	86.7	89.0	91.3	93.0	94.3	94.7	97.3	98.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME SOUTH W. YONGE, NC

DATE 11-7

YEARS

MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (12.5)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	1.7	41.7	44.0	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.7	46.3	49.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	1.7	46.3	49.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	1.7	46.3	49.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	1.7	46.3	49.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	1.7	47.0	50.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	1.7	50.3	54.3	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	1.7	50.3	54.3	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	1.7	52.3	56.3	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	1.7	54.3	58.7	61.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	1.7	55.3	59.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000	1.7	56.7	61.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	1.7	56.7	61.7	65.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000	1.7	56.7	64.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	2.0	61.0	66.7	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	2.0	62.7	68.7	73.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	2.0	64.7	70.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	2.0	68.7	74.7	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	2.0	69.3	74.7	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	2.0	70.0	77.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	2.0	70.3	77.3	82.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	2.0	71.7	79.0	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	2.0	72.3	80.0	86.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	2.0	72.3	80.0	86.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	2.0	72.3	80.0	87.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	2.0	72.7	80.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500	2.0	72.7	80.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	2.0	72.7	81.0	88.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300	2.0	72.7	81.0	88.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 200	2.0	72.7	81.0	88.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 100	2.0	72.7	81.0	88.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 0	2.0	72.7	81.0	88.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTHERN RAILROAD, 1st

73-02

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	37.7	41.3	42.7	42.7	42.7	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	1.7	42.7	45.7	48.3	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
18000	1.7	42.7	45.7	48.3	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
16000	1.7	42.7	45.7	48.3	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
14000	1.7	43.3	46.3	49.0	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
12000	1.7	43.7	46.7	49.3	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10000	1.7	45.7	49.0	52.0	52.3	52.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
9000	1.7	46.3	49.7	52.7	53.0	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
8000	1.7	48.3	52.3	55.3	56.0	56.0	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
7000	1.7	48.7	53.0	56.3	57.0	57.0	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
6000	1.7	51.3	55.7	59.0	59.7	59.7	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
5000	1.7	53.3	58.7	62.3	63.0	63.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
4500	1.7	54.3	59.7	63.3	64.0	64.0	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
4000	2.0	59.0	64.7	69.0	70.0	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
3500	2.0	61.0	66.7	71.0	72.0	72.0	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
3000	2.0	65.0	71.7	76.0	77.0	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2500	2.0	68.0	74.7	79.0	80.0	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000	2.0	70.7	79.0	82.3	83.7	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
1800	2.0	70.7	78.0	82.3	84.0	84.0	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1500	2.0	72.7	80.3	85.7	87.3	87.3	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1200	2.0	73.3	81.0	86.3	88.3	88.3	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
1000	2.0	75.7	83.3	88.7	91.0	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
900	2.0	76.0	83.7	89.0	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
800	2.0	77.0	85.0	91.3	94.3	94.7	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
700	2.0	77.3	85.7	92.7	96.3	97.0	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
600	2.0	77.3	86.0	93.0	96.7	97.3	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	2.0	77.3	86.0	93.0	96.7	97.3	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	2.0	77.3	86.0	93.0	97.0	97.7	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	2.0	77.3	86.0	93.0	97.0	97.7	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	2.0	77.3	86.0	93.0	97.0	97.7	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	2.0	77.3	86.0	93.0	97.0	97.7	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	2.0	77.3	86.0	93.0	97.0	97.7	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1470

SOUTH WELMOUTH, MA

75-17

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.7	44.7	45.0	47.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	1.7	47.7	51.7	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000	1.7	47.7	51.7	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 16000	1.7	47.7	51.7	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	1.7	47.7	51.7	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000	1.7	49.0	52.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	1.7	51.3	55.3	57.0	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	1.7	51.7	55.7	57.3	57.7	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	1.7	55.7	59.7	62.0	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	1.7	57.3	61.7	64.3	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	1.7	58.7	63.0	66.0	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	1.7	59.3	63.7	67.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	1.7	61.7	65.3	68.7	69.7	70.0	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	2.0	64.7	69.0	72.3	74.0	74.3	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	2.0	66.3	70.7	74.0	75.7	76.0	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	2.0	69.3	73.7	77.0	78.7	79.0	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	2.0	71.3	76.0	79.7	81.3	81.7	82.0	82.0	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	2.0	73.0	77.7	81.7	83.3	83.7	84.0	84.0	84.0	84.3	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	2.0	73.3	77.7	81.7	83.3	83.7	84.0	84.3	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500	2.0	74.7	79.7	83.7	85.3	85.7	86.0	87.0	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	2.0	75.3	81.0	85.0	86.7	87.0	87.3	88.3	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	2.0	76.0	82.3	86.7	88.3	88.7	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	2.0	76.3	82.7	87.0	89.0	89.3	89.0	91.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	2.0	76.3	83.3	87.7	90.0	90.3	91.7	93.3	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	2.0	76.3	83.3	88.3	91.7	91.3	92.7	94.7	94.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	2.0	76.3	83.3	88.3	91.0	91.3	93.3	95.3	95.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	2.0	76.3	83.3	88.3	91.0	91.7	94.0	96.3	96.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	2.0	76.3	83.3	88.3	91.0	91.7	94.0	96.3	96.3	97.3	98.3	98.3	98.3	98.7	98.7	98.7
≥ 300	2.0	76.3	83.3	88.7	91.3	92.0	94.3	96.7	96.7	97.7	99.0	99.0	99.3	99.3	99.3	99.3
≥ 200	2.0	76.3	83.3	88.7	91.3	92.0	94.3	96.7	96.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7
≥ 100	2.0	76.3	83.3	88.7	91.3	92.0	94.3	96.7	96.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7
≥ 0	2.0	76.3	83.3	88.7	91.3	92.0	94.3	96.7	96.7	97.7	99.3	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

106

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	1.7	41.7	45.0	45.0	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	1.7	46.7	50.7	53.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
18000	2.0	46.7	51.0	53.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
16000	2.0	46.7	51.0	53.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
14000	2.0	46.7	51.0	54.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
12000	2.0	50.3	53.3	55.7	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
10000	2.0	53.7	57.7	60.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
9000	2.0	54.3	58.3	60.7	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
8000	2.0	58.3	63.0	65.7	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
7000	2.0	59.3	64.0	66.7	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
6000	2.0	61.3	66.0	68.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
5000	2.0	63.7	68.3	71.0	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
4500	2.0	64.3	69.0	71.7	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
4000	2.0	66.3	71.0	74.0	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3500	2.0	67.0	71.7	74.7	76.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
3000	2.0	69.7	74.7	78.0	79.7	80.0	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2500	2.0	70.3	75.3	78.7	81.0	81.3	81.7	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2000	2.0	71.7	76.7	80.0	82.3	83.0	84.0	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1800	2.0	71.7	76.7	80.0	82.3	83.0	84.0	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1500	2.0	73.0	78.3	81.7	84.0	84.7	86.0	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1200	2.0	73.7	79.3	83.0	85.3	86.0	87.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1000	2.0	75.0	80.7	84.3	87.0	87.7	89.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
900	2.0	75.3	81.0	84.7	87.3	88.0	89.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
800	2.0	76.0	81.7	85.7	88.3	89.0	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
700	2.0	76.7	82.3	86.3	89.3	90.3	92.3	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600	2.0	76.7	82.7	86.7	89.7	90.7	92.7	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
500	2.0	76.7	83.0	87.3	90.3	91.7	93.7	95.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
400	2.0	77.0	83.3	87.7	90.7	92.0	94.3	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300	2.0	77.0	83.3	87.7	90.7	92.0	94.3	96.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	2.0	77.0	83.3	87.7	90.7	92.0	94.3	96.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7
100	2.0	77.0	83.3	87.7	90.7	92.0	94.3	96.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7
0	2.0	77.0	83.3	87.7	90.7	92.0	94.3	96.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14717
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-92
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16
NO CEILING	48.3	50.0	52.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	49.7	52.3	55.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	49.7	52.3	55.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	49.7	52.3	55.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	50.0	52.7	55.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	50.7	53.3	56.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	54.0	56.7	59.3	61.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	54.0	56.7	59.3	61.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	57.3	60.3	63.3	65.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	59.0	62.0	65.0	67.3	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	60.7	63.7	66.7	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	62.7	65.3	68.7	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	63.0	66.3	69.7	72.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	64.3	68.0	71.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	64.3	68.0	71.7	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	65.3	69.7	73.3	76.3	76.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	66.0	70.3	74.0	77.0	77.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000	66.3	70.7	74.7	77.7	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	66.3	70.7	74.7	77.7	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	67.0	71.3	75.7	78.7	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1200	67.3	71.7	76.0	79.0	79.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	67.3	72.0	76.3	80.0	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 900	67.3	72.0	76.3	80.3	80.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 800	68.0	73.0	78.3	82.3	82.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 700	68.3	73.3	78.7	82.7	82.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 600	69.0	75.0	81.0	85.0	85.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	69.7	76.0	83.0	87.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	70.0	76.7	83.7	88.3	88.3	91.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300	70.7	77.3	84.3	89.0	89.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200	70.7	77.3	84.3	89.3	89.3	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	70.7	77.3	84.3	89.3	89.3	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	70.7	77.3	84.3	89.3	89.3	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, VA

73-82

YEARS

JUN

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	≥ 1/16	≥ 0	≥ 0
NO CEILING	40.9	43.3	46.1	47.1	47.3	47.6	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	44.3	48.1	51.0	52.1	52.3	52.7	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 18000	44.4	48.2	51.0	52.2	52.3	52.8	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 16000	44.4	48.2	51.0	52.2	52.3	52.8	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 14000	45.1	48.4	51.4	52.5	52.6	53.1	53.3	53.3	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000	46.1	49.5	52.4	53.6	53.8	54.3	54.5	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	49.0	52.8	55.7	57.0	57.2	57.8	58.0	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	49.3	53.1	56.1	57.4	57.6	58.1	58.4	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000	52.2	56.3	59.5	60.9	61.1	61.8	62.0	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 7000	53.6	57.8	61.3	62.6	62.9	63.6	63.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	55.0	59.5	63.0	64.4	64.7	65.5	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000	56.3	61.0	64.7	66.3	66.5	67.3	67.5	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4500	57.0	61.9	65.6	67.2	67.4	68.3	68.5	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	59.1	64.2	68.0	69.8	70.0	70.9	71.1	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500	60.2	65.3	69.2	71.0	71.3	72.2	72.5	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	62.1	67.6	71.7	73.6	73.9	74.8	75.1	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	63.3	68.8	72.9	75.0	75.3	76.3	76.5	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2000	64.7	70.4	74.6	76.8	77.1	78.2	78.5	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800	64.8	70.5	74.8	76.9	77.3	78.4	78.7	78.9	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1600	65.8	71.8	76.3	78.5	79.0	80.1	80.5	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1400	66.5	72.7	77.2	79.5	80.0	81.2	81.7	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 1200	67.7	74.1	78.9	81.5	82.0	83.5	84.0	84.2	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	67.9	74.4	79.2	81.9	82.4	84.0	84.5	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 900	68.5	75.1	80.5	83.4	83.9	85.8	86.5	86.8	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 800	68.8	75.6	81.3	84.4	85.1	87.0	87.9	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700	69.1	76.2	82.0	85.4	86.3	88.4	89.5	89.8	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	69.2	76.5	82.5	86.2	87.1	89.6	91.0	91.6	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 500	69.4	76.8	82.9	86.8	87.9	90.8	92.0	93.2	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 400	69.5	77.0	83.2	87.2	88.3	91.3	93.1	94.0	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	69.5	77.0	83.2	87.3	88.5	91.6	93.5	94.5	96.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	69.5	77.0	83.2	87.3	88.5	91.6	93.5	94.5	96.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 100	69.5	77.0	83.2	87.3	88.5	91.6	93.5	94.5	96.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 0	69.5	77.0	83.2	87.3	88.5	91.6	93.5	94.5	96.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1470
STATION

SOUTH WYOMOUTH, VA
STATION NAME

73-52
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		43.9	48.4	52.6	54.5	55.5	57.7	57.7	57.7	58.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000		48.7	53.6	55.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1800		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1600		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1400		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1200		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1000		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 900		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 800		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 700		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 600		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 500		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 400		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 300		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 200		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 100		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 0		48.7	53.6	58.1	60.3	61.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1970
STATIONSOUTH WYOMOUTH, VA
STATION NAME73-52
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	0
NO CEILING	53.4	37.4	37.7	43.9	45.2	46.8	48.4	49.4	52.6	53.2	53.6	53.9	53.9	53.9	53.9
≥ 20000	57.1	41.3	43.9	48.4	50.3	52.3	53.9	54.8	58.1	58.7	59.0	59.4	59.4	59.4	59.4
IV 18000	57.1	41.3	43.9	48.4	50.3	52.3	53.9	54.8	58.1	58.7	59.0	59.4	59.4	59.4	59.4
IV 16000	57.1	41.3	43.9	48.4	50.3	52.3	53.9	54.8	58.1	58.7	59.0	59.4	59.4	59.4	59.4
IV 14000	57.4	41.6	44.2	48.7	50.7	52.6	54.2	55.2	58.4	59.0	59.4	59.7	59.7	59.7	59.7
IV 12000	58.4	42.6	45.2	49.7	51.6	53.6	55.2	56.1	59.4	60.3	60.7	61.0	61.0	61.0	61.0
IV 10000	41.0	45.5	48.4	52.9	54.8	56.8	58.4	59.4	62.6	63.6	63.9	64.2	64.2	64.2	64.2
IV 9000	41.3	45.8	48.7	53.2	55.2	57.1	58.7	59.7	62.9	63.9	64.2	64.5	64.5	64.5	64.5
IV 8000	43.6	48.1	51.3	55.8	58.1	60.0	61.6	62.6	65.8	66.8	67.1	67.4	67.4	67.4	67.4
IV 7000	44.5	49.0	52.9	57.4	59.7	61.6	63.2	64.2	67.7	68.7	69.0	69.4	69.4	69.4	69.4
IV 6000	44.5	49.0	52.9	57.4	59.7	61.6	63.2	64.2	67.7	68.7	69.0	69.4	69.4	69.4	69.4
IV 5000	46.5	51.0	54.8	59.7	61.9	63.9	65.5	66.5	70.0	71.0	71.3	71.6	71.6	71.6	71.6
IV 4500	47.1	51.6	55.5	60.3	62.6	64.5	66.1	67.1	70.7	71.6	71.9	72.3	72.3	72.3	72.3
IV 4000	47.7	52.3	56.1	61.6	63.9	66.5	68.1	69.0	72.9	73.9	74.2	74.5	74.5	74.5	74.5
IV 3500	48.4	52.9	56.8	62.3	64.5	67.1	68.7	69.7	73.6	74.5	74.8	75.2	75.2	75.2	75.2
IV 3000	49.0	53.6	57.4	62.9	65.2	67.7	69.4	70.3	74.2	75.5	75.8	76.1	76.1	76.1	76.1
IV 2500	49.4	54.2	58.1	63.6	65.8	68.4	70.0	71.0	74.8	76.1	76.5	76.8	76.8	76.8	76.8
IV 2000	49.7	54.8	59.4	65.2	67.4	70.0	71.6	72.6	76.5	77.7	78.1	78.4	78.4	78.4	78.4
IV 1800	49.7	54.8	59.4	65.2	67.4	70.0	71.6	72.6	76.5	77.7	78.1	78.4	78.4	78.4	78.4
IV 1500	49.7	54.8	59.7	65.5	67.7	71.3	72.9	73.9	78.1	79.7	80.0	80.3	80.3	80.3	80.3
IV 1200	50.7	55.8	60.7	66.5	69.0	72.6	74.2	75.2	79.4	81.0	81.3	81.6	81.6	81.6	81.6
IV 1000	51.0	56.1	61.0	66.8	69.4	72.9	74.5	75.5	80.0	81.6	81.9	82.3	82.3	82.3	82.3
IV 900	51.0	56.5	61.6	67.4	70.0	73.6	75.5	76.5	81.0	82.6	82.9	83.2	83.2	83.2	83.2
IV 800	51.3	57.1	62.3	68.7	71.3	74.8	76.8	77.7	82.6	84.2	84.5	85.2	85.2	85.2	85.2
IV 700	51.6	57.4	62.6	69.0	71.6	75.5	77.7	79.4	84.2	85.8	86.1	86.8	86.8	86.8	86.8
IV 600	51.9	57.7	62.9	70.0	72.4	76.8	79.0	80.7	85.5	87.1	87.4	88.1	88.1	88.1	88.1
IV 500	51.9	58.1	63.6	70.7	73.2	77.4	80.0	81.6	86.5	88.1	88.4	89.0	89.0	89.0	89.0
IV 400	51.9	58.4	64.2	71.3	73.9	78.4	81.3	82.9	88.1	90.0	90.3	91.0	91.0	91.0	91.0
IV 300	51.9	58.4	64.2	71.3	73.9	78.4	81.6	83.2	89.0	91.3	91.6	92.6	92.6	92.6	92.6
IV 200	51.9	58.4	64.2	71.3	73.9	78.4	81.9	83.6	90.0	93.6	93.9	95.8	96.1	96.8	96.8
IV 100	51.9	58.4	64.2	71.3	73.9	78.4	81.9	83.6	90.0	93.6	93.9	96.1	96.5	98.1	98.7
0	51.9	58.4	64.2	71.3	73.9	78.4	81.9	83.6	90.0	93.6	93.9	96.3	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1474
STATIONSOUTH MEYMOUTH, MA
STATION NAME73-02
YEAR

YEAR

JUL
MONTH07
NOVEMBER 11, 1971PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	57.7	41.6	44.8	48.7	49.4	51.3	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	57.9
≥ 20000	42.7	44.8	48.7	52.9	53.6	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000	40.7	44.8	48.7	52.9	53.6	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 16000	40.7	44.8	48.7	52.9	53.6	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000	41.0	45.2	49.0	53.2	53.9	55.8	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	43.6	47.7	51.6	56.1	56.8	58.7	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	46.4	51.0	56.1	61.0	61.6	63.6	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	46.4	51.0	56.1	61.0	61.6	63.6	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 8000	49.0	53.9	59.7	64.8	65.5	68.1	69.4	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	49.7	54.5	60.3	65.5	66.1	68.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000	50.0	54.8	60.7	65.8	66.5	69.0	70.3	70.3	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	50.3	55.2	61.3	66.5	67.1	70.0	71.9	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	51.0	55.8	61.9	67.1	68.4	71.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	52.6	57.7	63.9	69.0	70.3	73.6	75.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3500	52.6	57.7	64.2	69.7	71.0	74.2	76.1	76.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	53.2	58.7	65.2	71.0	72.6	75.8	77.7	77.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	53.6	59.0	65.5	71.3	72.9	76.1	78.1	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2000	54.2	59.7	66.1	71.9	73.6	76.8	78.7	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	54.2	59.7	66.1	72.3	73.9	77.4	79.4	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1500	54.5	60.3	67.9	73.6	75.5	79.4	81.3	81.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	54.5	60.3	68.1	74.2	76.1	80.0	81.9	81.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000	54.8	60.7	68.7	74.8	77.1	81.3	83.6	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 900	54.8	60.7	68.7	74.8	77.1	81.6	83.9	83.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	55.5	61.3	69.7	75.8	78.1	82.9	86.1	86.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 700	55.5	61.3	69.7	75.8	78.1	83.2	86.5	86.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 600	55.8	61.9	70.3	76.5	78.7	84.5	87.7	87.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	55.8	61.9	70.7	77.1	79.7	85.8	89.4	89.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	55.9	61.9	71.0	77.7	80.3	86.8	90.3	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	55.9	61.9	71.0	77.7	80.7	87.1	91.3	91.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 200	55.8	61.9	71.0	77.7	80.7	87.1	91.3	91.3	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	55.8	61.9	71.0	77.7	80.7	87.1	91.3	91.3	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	55.8	61.9	71.0	77.7	80.7	87.1	91.3	91.3	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WEYMOUTH, MA
STATION NAME

73-86

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	43.2	44.4	52.3	55.8	55.8	56.5	56.8	56.3	56.4	56.5	56.8	56.8	56.8	56.8	56.8
≥ 30000	.7	49.4	54.5	59.7	63.9	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	.7	49.4	54.5	59.7	63.9	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	.7	49.4	54.5	59.7	63.9	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	.7	49.4	54.5	59.7	63.9	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	.7	51.0	56.1	61.3	65.5	65.5	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 10000	.7	53.6	58.7	63.9	68.1	68.1	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 9000	.7	54.5	59.7	64.8	69.0	69.0	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	.7	55.8	61.0	66.5	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	.7	56.1	61.3	66.8	71.3	71.6	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	.7	56.5	61.6	67.1	71.6	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	.7	57.4	62.6	68.1	72.6	72.9	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	.7	58.1	63.2	68.7	73.2	73.6	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	.7	59.4	64.5	71.6	76.1	76.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	.7	59.7	64.8	71.9	76.5	76.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000	.7	61.3	67.1	74.5	79.0	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 2500	.7	62.9	68.7	76.1	81.0	81.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	.7	65.2	71.0	78.7	83.9	84.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	.7	65.2	71.0	78.7	83.9	84.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	.7	66.1	72.6	80.7	86.1	86.5	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1200	.7	66.1	72.9	81.0	87.1	87.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	.7	67.7	74.5	83.6	90.0	90.3	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	.7	68.1	74.8	83.9	90.7	91.0	92.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	.7	68.7	75.5	84.8	91.6	91.9	93.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 700	.7	68.7	75.8	85.5	92.3	92.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	.7	68.7	75.8	85.5	92.3	92.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	.7	69.0	76.1	85.8	93.2	93.6	95.8	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	.7	69.0	76.1	85.8	93.2	93.6	96.1	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	.7	69.0	76.1	85.8	93.2	93.6	96.1	97.7	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	.7	69.0	76.1	85.8	93.2	93.6	96.1	97.7	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	.7	69.0	76.1	85.8	93.2	93.6	96.1	97.7	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	.7	69.0	76.5	86.1	93.6	93.9	96.5	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-52
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	.7	37.1	39.4	42.3	44.5	44.5	44.8	44.8	44.9	44.8	44.5	44.6	44.8	44.8	44.8	44.8
≥ 20000	.7	44.8	48.4	52.3	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	.3	45.2	48.7	52.6	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	.3	45.2	48.7	52.6	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	.3	45.2	48.7	52.6	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 12000	.3	46.5	50.7	54.5	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	.3	46.4	52.6	56.8	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	.3	48.4	52.9	57.1	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	.3	50.0	54.8	59.0	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	.3	50.0	54.8	59.0	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	.3	51.0	56.1	60.3	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	.3	51.0	57.7	61.9	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	.3	52.6	58.4	62.6	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	.3	57.7	64.8	70.0	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	.3	60.3	68.1	73.2	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	.7	65.2	73.9	79.0	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	.7	66.5	75.5	81.0	86.8	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	.7	68.7	76.4	83.9	90.0	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	.7	69.4	79.0	84.5	90.7	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	.7	71.0	81.0	86.6	93.2	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	.7	71.0	81.0	86.6	93.2	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	.7	71.0	81.3	87.4	93.9	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	.7	71.0	81.3	87.4	93.9	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	.7	71.3	81.6	88.1	94.5	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	.7	71.3	81.6	88.1	95.2	95.8	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	.7	71.3	81.6	88.1	95.2	95.8	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	.7	71.6	81.9	88.4	95.5	96.5	97.4	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	.7	71.9	82.3	88.7	95.8	96.8	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	.7	71.9	82.3	88.7	95.8	96.8	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	.7	71.9	82.3	88.7	95.8	96.8	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	.7	71.9	82.3	88.7	95.8	96.8	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	.7	71.9	82.3	88.7	95.8	96.8	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

16740
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-92
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS IN MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	.7	44.2	47.1	51.7	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	.7	49.4	52.6	54.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	.7	49.4	52.6	56.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	.7	49.4	52.6	56.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	.7	49.4	52.6	56.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	.7	51.6	54.8	58.4	61.7	61.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000	.7	57.1	61.0	64.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	.7	57.1	61.0	64.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	.7	57.1	61.0	64.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	.7	57.1	61.0	64.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	.7	58.7	63.2	67.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	.7	58.7	63.2	67.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	.7	61.3	65.8	70.3	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	.7	61.3	65.8	70.3	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	.7	66.9	72.6	78.1	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	.7	70.7	77.1	82.9	86.8	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	.7	71.6	78.4	84.2	88.1	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	.7	73.2	80.0	86.1	90.3	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	.7	73.2	80.0	86.1	90.3	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	.7	73.2	80.0	86.1	90.3	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	.7	73.9	81.9	88.4	92.6	93.6	94.8	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	.7	74.5	82.6	89.0	93.6	94.2	95.5	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	.7	74.5	82.6	89.0	93.6	94.2	95.5	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	.7	75.2	83.2	89.7	94.5	95.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	.7	75.2	83.2	89.7	94.5	95.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	.7	75.5	83.6	90.3	95.2	95.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 51674 WYOMOUTH, VA 73-30 YEARS MONTH 19

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		45.1	55.0	52.9	55.5	55.8	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000		53.6	57.7	61.9	65.2	65.5	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000		53.6	57.7	61.9	65.2	65.5	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		53.6	58.1	62.3	65.5	65.8	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000		53.6	58.1	62.3	65.5	65.5	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000		55.2	60.3	64.8	68.1	68.4	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000		58.4	64.5	69.0	72.2	72.6	73.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000		58.4	64.5	69.0	72.6	73.2	74.5	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		61.3	67.4	72.9	76.1	76.8	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		62.3	68.4	73.9	77.1	77.7	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000		62.9	69.0	74.8	78.7	79.4	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000		64.5	70.7	76.5	80.3	81.0	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500		65.8	71.9	76.1	81.9	82.6	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000		67.1	73.6	79.7	83.9	84.8	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500		67.4	73.9	80.0	84.5	86.1	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	.3	69.0	75.5	81.6	86.5	88.4	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	.2	69.4	75.8	81.9	86.9	88.7	90.7	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	.3	69.7	76.1	82.3	87.1	89.0	91.0	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	.3	69.7	76.1	82.3	87.1	89.0	91.0	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	.3	70.0	76.5	82.6	87.4	89.4	91.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	.3	70.0	76.5	82.6	87.4	89.4	91.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	.3	70.7	77.1	83.6	89.4	90.3	92.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	.3	70.7	77.1	83.6	89.4	90.3	92.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800	.3	70.7	77.1	83.6	89.4	90.3	92.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 700	.3	70.7	77.1	83.6	89.4	90.3	92.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	.3	70.7	77.1	83.9	89.7	90.7	92.9	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	.3	70.7	77.4	84.5	89.7	91.9	94.5	95.8	95.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	.3	70.7	77.4	84.5	89.7	91.9	94.5	95.8	95.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	.3	70.7	77.4	84.5	89.7	91.9	94.5	95.8	95.8	97.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	.3	70.7	77.4	84.5	89.7	92.3	94.8	96.1	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	.3	70.7	77.4	84.5	89.7	92.3	94.8	96.1	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	.3	70.7	77.4	84.5	89.7	92.3	94.8	96.1	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, VA

13-57

YEARS

JUL

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 4	≥ 0
NO CEILING	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
≥ 20000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
18000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
16000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
14000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
12000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
10000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
9000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
8000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
7000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
6000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
5000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
4500	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
4000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
3500	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
3000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
2500	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
2000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
1800	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
1600	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
1400	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
1200	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
1000	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
900	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
800	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
700	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
600	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
500	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
400	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
300	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
200	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
100	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0
0	48.1	51.3	55.5	59.7	63.9	68.1	72.3	76.5	80.7	84.9	89.1	93.3	97.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.7	47.4	41.8	51.9	42.2	53.3	53.8	53.9	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	46.7	51.0	54.0	58.5	49.0	60.2	60.8	60.9	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	46.7	51.0	55.1	58.5	49.0	60.2	60.8	60.9	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	46.7	51.1	55.2	58.6	49.1	60.3	60.9	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	46.7	51.3	55.3	58.8	49.2	60.5	61.1	61.2	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 12000	46.7	53.1	57.2	60.7	61.2	62.5	63.0	63.2	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 10000	46.7	56.5	60.9	64.0	65.0	66.3	66.9	67.0	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000	46.7	57.0	61.5	65.2	65.7	67.0	67.6	67.7	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 8000	46.7	59.1	63.9	67.8	68.5	69.9	70.4	70.5	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000	46.7	59.6	64.5	68.4	69.1	70.5	71.1	71.3	71.5	72.0	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	46.7	60.2	65.2	69.2	69.9	71.4	71.9	72.1	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	46.7	61.5	66.7	70.6	71.4	72.9	73.6	73.6	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IV 4500	46.7	62.2	67.5	71.7	72.4	74.0	74.6	74.6	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4000	46.7	64.4	68.9	74.4	75.2	77.0	77.7	77.7	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500	46.7	65.5	71.2	75.7	76.7	78.5	79.2	79.4	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3000	46.7	67.7	73.6	78.4	79.4	81.3	82.0	82.2	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2500	46.7	69.8	76.4	80.2	80.3	82.2	82.9	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	46.7	69.6	75.7	79.7	81.6	83.7	84.4	84.7	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1800	46.7	69.8	75.9	81.0	82.1	84.0	84.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	46.7	71.5	77.1	82.2	83.4	85.5	86.4	86.6	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	46.7	70.9	77.5	82.7	83.9	86.1	86.9	87.3	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1000	46.7	71.5	78.4	83.8	85.1	87.3	88.2	88.6	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 900	46.7	71.6	78.6	84.0	85.2	87.5	88.6	88.9	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	46.7	72.1	79.3	84.8	86.1	88.5	89.8	90.2	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7
IV 700	46.7	72.4	79.7	85.4	86.6	89.2	90.6	91.0	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8
IV 600	46.7	72.7	80.0	85.9	87.2	89.8	91.4	92.1	93.2	93.6	93.6	93.7	93.7	93.7	93.7	93.7
IV 500	46.7	73.1	80.5	86.5	88.0	90.9	92.6	93.3	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV 400	46.7	73.2	80.7	86.7	88.2	91.3	93.4	94.1	95.6	96.1	96.1	96.3	96.3	96.3	96.3	96.3
IV 300	46.7	73.7	81.7	87.8	89.4	91.4	93.6	94.4	96.1	96.3	96.3	96.9	97.2	97.2	97.2	97.2
IV 200	46.7	73.2	81.7	87.8	89.4	91.5	93.7	94.7	96.6	97.6	97.7	98.4	98.4	98.4	98.4	98.4
IV 100	46.7	73.2	81.7	87.8	89.4	91.5	93.7	94.7	96.6	97.6	97.7	98.4	98.4	98.4	98.4	98.4
IV 0	46.7	73.2	81.7	87.8	89.4	91.5	93.7	94.7	96.6	97.6	97.7	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSMITH WYOMOUTH, VA
STATION NAME73-77
YEARSAUG
MONTH01
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	43.6	47.7	49.7	51.9	52.3	52.6	52.6	52.9	53.2	53.2	53.2	53.9	53.9	53.9	53.9	53.9
≥ 20000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 18000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 16000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 14000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 12000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 10000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 9000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 8000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 7000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 6000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 5000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 4500	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 4000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 3500	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 3000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 2500	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 2000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 1800	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 1500	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 1200	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 1000	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 900	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 800	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 700	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 600	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 500	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 400	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 300	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 200	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 100	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0
IV 0	48.1	52.9	54.8	57.4	57.7	58.1	58.1	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.0

TOTAL NUMBER OF OBSERVATIONS

710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-87
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	79.4	43.6	46.5	47.7	48.1	48.4	48.7	49.7	49.4	49.7	49.7	49.7	49.7	50.0	50.0	50.0
≥ 20000	42.6	48.1	51.9	53.6	53.9	54.5	55.5	55.5	56.1	56.8	56.8	57.1	57.4	57.4	57.4	57.7
IN 18000	42.6	48.1	51.9	53.6	53.9	54.5	55.5	55.5	56.1	56.8	56.8	57.1	57.4	57.4	57.4	57.7
IN 16000	42.6	48.1	51.9	53.6	53.9	54.5	55.5	55.5	56.1	56.8	56.8	57.1	57.4	57.4	57.4	57.7
IN 14000	42.6	48.1	51.9	53.6	53.9	54.5	55.5	55.5	56.1	56.8	56.8	57.1	57.4	57.4	57.4	57.7
IN 12000	43.2	49.0	52.9	54.5	54.8	55.5	56.5	56.5	57.1	57.7	57.7	58.1	58.4	58.4	58.4	58.7
IN 10000	45.3	51.9	55.8	57.7	58.1	59.0	60.0	60.0	60.7	61.3	61.3	61.6	61.9	62.3	62.3	62.6
IN 9000	46.1	52.3	56.1	58.1	58.4	59.4	60.3	60.7	61.0	61.6	61.6	61.9	62.3	62.6	62.6	62.9
IN 8000	47.4	53.6	57.7	59.7	60.0	61.3	62.3	62.3	62.9	63.6	63.6	63.9	64.2	64.5	64.5	64.8
IN 7000	48.1	54.3	58.4	60.3	60.7	61.9	62.9	62.9	63.6	64.2	64.2	64.5	64.8	65.2	65.2	65.5
IN 6000	49.4	55.2	59.7	61.6	62.3	63.6	64.5	64.5	65.2	65.8	65.8	66.5	66.8	67.1	67.1	67.4
IN 5000	51.6	57.7	61.9	63.9	64.5	66.1	67.1	67.1	67.7	68.4	68.4	69.0	69.4	69.7	69.7	70.0
IN 4500	51.9	58.1	62.3	64.2	64.8	66.5	67.4	67.4	68.1	68.7	68.7	69.4	69.7	70.0	70.0	70.3
IN 4000	52.6	58.7	62.9	64.8	65.5	67.1	68.1	68.1	68.7	69.4	69.4	70.0	70.3	70.7	70.7	71.0
IN 3500	52.6	58.7	62.9	64.8	65.5	67.1	68.1	68.1	68.7	69.4	69.4	70.0	70.3	70.7	70.7	71.0
IN 3000	52.6	58.7	62.9	64.8	65.5	67.1	68.1	68.1	68.7	69.4	69.4	70.0	70.3	70.7	70.7	71.0
IN 2500	53.2	60.0	64.8	67.1	67.7	69.7	70.7	70.7	71.6	72.3	72.3	72.9	73.2	73.6	73.6	73.9
IN 2000	53.6	61.0	66.5	68.7	69.4	71.6	72.6	72.6	73.6	74.2	74.2	74.8	75.2	75.5	75.5	75.8
IN 1800	53.6	61.0	66.5	68.7	69.4	71.6	72.6	72.6	73.6	74.2	74.2	74.8	75.2	75.5	75.5	75.8
IN 1600	54.5	61.9	67.7	70.7	71.3	74.5	75.5	75.5	76.5	77.1	77.1	77.7	78.1	78.4	78.4	78.7
IN 1400	54.5	61.9	67.7	70.7	71.3	74.5	75.5	75.5	76.5	77.1	77.1	77.7	78.1	78.4	78.4	78.7
IN 1200	54.5	61.9	67.7	70.7	71.3	74.5	75.5	75.5	76.5	77.1	77.1	77.7	78.1	78.4	78.4	78.7
IN 1000	55.2	63.2	69.7	73.9	74.5	78.1	79.0	79.0	80.0	80.7	80.7	81.3	81.6	81.9	81.9	82.3
IN 900	55.2	63.6	70.3	74.8	75.5	79.7	80.0	80.7	81.0	81.6	81.6	82.3	82.6	82.9	82.9	83.2
IN 800	55.2	63.9	70.7	75.8	76.5	80.3	81.6	81.6	82.6	83.2	83.2	83.9	84.2	84.5	84.5	84.8
IN 700	55.2	63.9	70.7	76.2	76.8	81.0	82.3	82.3	83.6	84.2	84.2	84.8	85.2	85.5	85.5	85.8
IN 600	55.2	64.2	71.3	77.4	78.1	82.3	83.6	83.6	85.5	86.5	86.5	87.1	87.4	87.7	87.7	88.1
IN 500	55.5	65.2	72.3	78.4	79.4	84.5	85.8	86.1	88.1	89.4	89.4	90.3	90.3	90.7	90.7	91.0
IN 400	55.8	65.5	72.6	79.0	80.0	86.1	87.4	87.7	90.7	91.9	91.9	92.6	92.9	93.2	93.2	93.6
IN 300	55.8	65.8	73.2	80.0	81.3	87.7	89.4	89.7	92.6	93.9	93.9	94.5	94.8	95.2	95.2	95.5
IN 200	55.8	65.8	73.2	80.0	81.3	87.7	89.4	90.3	93.9	95.2	95.2	96.5	96.8	97.1	97.1	97.7
IN 100	55.8	65.8	73.2	80.0	81.3	87.7	89.4	90.3	93.9	95.2	95.2	97.1	97.7	98.1	98.1	99.0
IN 0	55.8	65.8	73.2	80.0	81.3	87.7	89.4	90.3	93.9	95.2	95.2	97.1	97.7	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATION

SOUTH WAYMOUTH, MA
STATION NAME

73-92
YEARS

AJG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

37
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.2	33.1	41.3	44.2	47.5	46.3	49.0	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3
≥ 20000	35.5	41.3	43.9	47.4	48.7	50.0	52.6	53.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	54.2
IV 18000	35.5	40.7	43.9	47.4	48.7	50.0	52.9	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 16000	35.5	41.3	43.9	47.4	48.7	50.0	52.9	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 14000	35.5	40.7	44.2	47.7	49.0	50.3	53.2	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.8
IV 12000	36.1	41.3	44.8	48.4	49.7	51.0	53.9	54.5	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.5
IV 10000	36.1	44.2	49.0	52.9	54.2	55.5	58.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.7
IV 9000	36.7	44.8	50.0	54.2	55.5	56.8	60.0	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.9
IV 8000	41.0	44.1	53.6	57.7	59.4	60.7	63.9	64.8	65.2	65.8	65.8	65.8	65.8	65.8	65.8	66.1
IV 7000	42.6	49.7	55.5	59.7	61.3	62.6	65.8	66.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	68.1
IV 6000	42.6	50.0	55.8	60.0	61.6	63.2	66.5	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.7
IV 5000	46.1	53.2	59.4	63.9	65.5	67.4	70.7	71.6	72.3	72.9	72.9	72.9	72.9	73.2	73.2	73.6
IV 4500	46.5	53.6	59.7	64.5	66.1	68.1	71.3	72.3	72.9	73.6	73.6	73.6	73.6	73.9	73.9	74.2
IV 4000	47.1	54.5	60.7	65.5	67.4	69.4	72.9	73.9	74.5	75.2	75.2	75.2	75.2	75.5	75.5	75.8
IV 3500	47.7	55.2	61.3	66.1	68.1	70.0	73.6	74.5	75.2	75.8	75.8	75.8	75.8	76.1	76.1	76.5
IV 3000	48.4	55.8	61.9	67.1	69.0	71.3	74.8	75.8	76.8	77.4	77.4	77.4	77.4	77.7	77.7	78.1
IV 2500	49.3	56.5	62.6	67.7	69.7	71.9	75.5	76.5	77.4	78.1	78.1	78.1	78.1	78.4	78.4	78.7
IV 2000	49.7	57.1	63.6	69.0	71.0	73.2	76.6	77.7	78.7	79.4	79.4	79.4	79.4	79.7	79.7	80.0
IV 1800	49.7	57.1	63.6	69.0	71.0	73.2	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.7	79.7	80.0
IV 1500	49.7	57.1	63.6	69.0	71.0	73.2	77.1	78.4	79.4	80.0	80.0	80.0	80.0	80.3	80.3	80.7
IV 1200	49.7	57.1	63.6	69.0	71.0	73.2	77.1	78.4	79.4	80.0	80.0	80.0	80.0	80.3	80.3	80.7
IV 1000	49.7	57.4	63.9	69.4	71.3	73.6	77.4	78.7	80.0	80.7	80.7	80.7	80.7	81.0	81.0	81.6
IV 900	49.7	57.4	64.2	69.7	71.6	73.9	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.6	81.6	82.3
IV 800	49.7	58.1	65.2	71.0	72.9	75.2	79.7	81.0	82.3	82.9	82.9	82.9	82.9	83.2	83.2	83.9
IV 700	50.5	58.7	65.8	71.6	73.6	75.8	80.3	81.6	83.6	84.2	84.2	84.2	84.2	84.5	84.5	85.2
IV 600	50.7	59.0	66.5	72.3	74.2	77.1	81.9	83.2	85.2	85.8	85.8	85.8	85.8	86.1	86.1	86.8
IV 500	51.0	59.7	67.1	73.2	75.5	78.7	84.8	86.8	89.4	90.0	90.0	90.0	90.0	90.7	90.7	91.3
IV 400	51.0	59.7	67.1	73.2	75.5	78.7	84.8	87.1	91.0	91.9	91.9	91.9	91.9	92.6	92.6	93.2
IV 300	51.0	59.7	67.1	73.2	75.5	79.0	85.5	87.7	91.9	93.2	93.9	93.9	93.9	94.8	94.8	95.5
IV 200	51.0	59.7	67.1	73.2	75.5	79.0	85.5	87.7	92.3	93.9	94.5	94.5	94.5	95.1	95.1	95.8
IV 100	51.0	59.7	67.1	73.2	75.5	79.0	85.5	87.7	92.3	93.9	94.5	94.5	94.5	95.1	95.1	95.8
IV 0	51.0	59.7	67.1	73.2	75.5	79.0	85.5	87.7	92.3	93.9	94.5	94.5	94.5	95.1	95.1	95.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14750
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-82
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L E Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.1	41.6	46.1	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	41.3	45.5	50.7	54.5	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	41.3	45.5	50.7	54.5	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	41.3	45.5	50.7	54.5	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	41.6	45.8	51.6	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	43.6	48.1	53.9	57.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	46.8	52.9	59.0	63.9	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	47.1	53.2	59.4	64.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	50.7	57.1	63.7	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	51.3	58.4	64.8	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	52.3	59.0	65.6	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	53.6	60.3	67.4	72.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	54.2	61.0	68.1	73.2	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	54.8	61.8	68.7	73.9	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	55.9	62.6	69.7	75.2	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	56.1	62.9	70.0	75.8	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	56.1	65.2	72.3	78.4	80.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	58.4	65.5	72.6	78.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	59.4	66.5	73.6	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	60.0	67.7	75.5	82.3	84.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	60.5	69.1	76.5	83.2	85.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	61.3	69.5	77.7	84.5	87.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	61.0	69.0	77.7	84.5	87.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	61.6	70.0	79.4	86.5	89.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	61.9	70.3	80.0	87.4	90.0	92.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	61.9	70.3	80.0	87.4	90.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	62.3	70.7	80.3	87.7	91.0	94.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	62.3	70.7	80.3	87.7	91.0	94.2	96.4	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	62.3	70.7	80.3	87.7	91.0	94.2	96.8	96.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	62.3	70.7	80.3	87.7	91.0	94.2	96.8	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	62.3	70.7	80.3	87.7	91.0	94.2	96.8	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	62.3	70.7	80.3	87.7	91.0	94.2	96.8	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14720
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-92
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	36.1	39.4	43.6	44.7	44.9	44.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 20000	41.3	44.8	50.3	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	41.3	44.8	50.3	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	41.3	44.8	50.3	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	42.3	45.0	51.3	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000	42.6	46.1	51.6	52.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 10000	45.2	49.4	55.2	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 9000	45.2	49.4	55.2	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 8000	49.7	53.9	60.0	61.0	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	51.3	55.2	61.3	62.3	63.2	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	51.9	56.5	62.6	63.9	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 5000	52.6	57.1	63.6	65.5	66.5	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	53.2	57.7	64.2	65.1	67.1	67.4	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	56.1	61.0	69.7	71.3	72.3	72.6	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	58.4	63.9	71.6	74.2	75.2	75.5	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	62.3	67.7	75.8	78.7	79.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2500	64.2	70.0	78.4	81.9	82.9	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	67.1	72.9	81.3	85.2	86.1	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800	67.7	73.6	81.9	85.8	86.8	87.4	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1500	69.4	75.2	83.6	87.7	88.7	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	70.3	76.1	84.5	88.7	89.7	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	70.7	76.8	85.2	89.7	91.0	92.3	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	70.7	76.8	85.5	90.0	91.3	92.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	70.7	77.1	86.1	91.6	92.9	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	70.7	77.1	86.1	91.6	92.9	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	70.7	77.1	86.1	91.6	92.9	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	71.0	77.4	86.8	92.6	93.9	95.5	96.3	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	71.0	77.4	86.8	92.6	93.9	95.5	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	71.0	77.4	86.8	92.6	93.9	95.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	71.0	77.4	86.8	92.6	93.9	95.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	71.0	77.4	86.8	92.6	93.9	95.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	71.0	77.4	86.8	92.6	93.9	95.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1977
STATIONSOUTH FRYMOUTH, MA
STATION NAME73-02
YEARS

YEARS

AFC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	39.4	40.0	46.8	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.7	46.1	42.7	54.5	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.7	46.5	50.0	54.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	1.0	46.5	50.0	54.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 14000	1.0	47.1	50.7	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	1.0	49.4	52.3	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	1.0	51.0	55.2	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	1.0	51.7	56.1	61.0	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	1.7	55.4	60.0	65.2	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	1.7	57.1	61.6	67.1	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	1.7	58.4	62.9	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	1.0	59.7	64.5	70.3	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	1.0	60.0	65.2	71.0	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	1.0	62.6	66.4	74.5	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3500	1.0	63.7	70.0	76.5	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	1.0	67.4	73.9	80.7	83.2	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	1.0	69.4	75.8	82.9	85.5	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2000	1.7	69.7	76.1	83.6	86.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	1.7	69.7	76.1	83.6	86.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	1.0	70.3	76.5	83.9	87.7	88.1	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	1.0	70.3	76.8	84.5	88.4	88.7	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	1.0	71.0	77.4	85.2	89.0	89.7	91.3	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	1.0	71.0	77.7	85.5	89.4	90.0	91.6	92.6	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	1.0	71.6	78.4	86.5	90.7	91.6	93.2	94.2	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	1.0	71.6	78.4	86.5	90.7	91.6	93.2	94.2	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	1.0	71.6	78.4	86.8	91.0	91.9	93.9	94.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	1.7	71.6	78.4	86.8	91.0	91.9	93.9	95.5	96.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	1.7	71.6	78.4	86.8	91.3	92.3	94.2	95.8	97.1	97.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	1.7	71.6	78.4	86.8	91.3	92.3	94.2	96.1	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	1.0	71.6	78.4	86.8	91.3	92.3	94.2	96.1	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	1.0	71.6	78.4	86.8	91.3	92.3	94.2	96.1	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	1.0	71.6	79.4	86.8	91.3	92.3	94.2	96.1	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, VA

77-77

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS LLST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16
NO CEILING	41.3	44.2	47.7	49.7	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	45.2	47.7	53.2	55.5	57.7	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	45.2	47.7	53.2	55.5	57.7	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	45.5	47.4	53.6	56.1	58.4	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	46.6	50.7	54.8	57.4	59.7	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	50.0	55.2	59.4	62.3	64.5	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	50.3	55.5	59.7	62.6	64.8	65.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	53.6	59.0	63.6	67.1	69.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	53.9	59.4	64.5	68.1	70.7	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	54.5	60.0	65.2	68.7	71.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	56.1	62.3	67.4	71.0	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	56.9	63.2	68.7	72.3	74.8	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4000	57.4	64.5	70.0	73.9	76.5	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	59.0	66.1	71.6	75.8	78.7	80.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	59.4	67.4	73.6	78.1	81.0	82.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2500	60.0	68.1	74.2	78.7	81.6	83.6	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	60.7	69.7	74.8	79.4	82.3	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	61.6	69.4	75.8	81.0	83.9	86.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	61.6	69.4	75.8	81.0	83.9	86.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	62.6	71.0	77.7	83.2	86.1	89.4	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	62.6	71.0	77.7	83.2	86.1	89.4	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	62.9	71.3	78.1	83.6	86.5	89.7	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	62.9	71.3	78.4	83.9	86.8	90.3	91.3	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3
IV 700	63.2	71.6	78.7	84.2	87.4	91.6	93.2	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	63.2	71.6	79.4	84.8	88.1	92.6	94.5	94.8	95.2	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	63.2	71.6	79.4	84.8	88.1	92.9	95.2	95.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	63.2	71.6	80.0	85.5	88.7	93.9	96.1	96.5	97.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	63.2	71.6	80.0	85.5	88.7	94.2	96.5	96.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	63.2	71.6	80.0	85.5	88.7	94.2	96.5	96.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	63.2	71.6	80.0	85.5	88.7	94.2	96.5	96.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	63.2	71.6	80.0	85.5	88.7	94.2	96.5	96.8	97.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147 0
STATIONSOUTH MOUNTAIN, NC
STATION NAME77-80
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	44.7	40.0	51.0	54.8	54.8	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	49.7	54.5	53.1	61.6	61.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 18000	49.7	54.5	53.1	61.6	61.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 16000	49.7	54.5	53.1	61.6	61.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 14000	49.7	54.5	53.1	61.6	61.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 12000	50.5	55.2	54.0	62.6	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN 10000	54.2	55.0	63.6	67.1	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 9000	54.2	55.0	63.6	67.1	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 8000	56.5	61.9	67.1	71.0	71.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IN 7000	57.4	62.9	68.1	72.3	72.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IN 6000	58.4	63.9	69.0	73.2	73.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IN 5000	58.7	64.2	69.4	73.6	73.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 4500	59.4	64.5	70.0	74.2	74.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IN 4000	59.4	64.8	70.7	75.2	75.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IN 3500	59.4	65.2	71.0	75.5	75.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IN 3000	60.0	65.4	71.9	76.8	77.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 2500	60.0	66.5	72.9	77.7	78.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IN 2000	61.0	66.5	73.9	79.0	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1800	61.0	66.8	73.9	79.0	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1500	61.6	67.4	74.8	80.0	80.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IN 1200	61.6	67.7	75.2	80.7	81.0	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 1000	62.3	69.4	76.1	82.3	82.9	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 900	62.3	69.4	76.1	82.3	83.2	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IN 800	63.2	71.0	77.4	85.8	87.1	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IN 700	63.2	70.3	80.3	86.8	88.1	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IN 600	64.2	71.6	81.6	89.1	89.4	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IN 500	64.2	71.6	81.9	88.7	90.0	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IN 400	64.2	71.6	81.9	88.7	90.3	93.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IN 300	64.2	71.6	81.9	88.7	90.3	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN 200	64.2	71.6	81.9	88.7	90.3	95.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 100	64.2	71.6	81.9	88.7	90.3	95.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 0	64.2	71.6	81.9	88.7	90.3	95.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14720
STATIONSOUTH WYOMOUTH, MA
STATION NAME13-92
YEARAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	43.7	48.1	52.2	54.6	55.4	56.0	56.4	56.6	56.6	56.9	56.9	57.1	57.1	57.1	57.2	57.2
≥ 20000	43.7	48.1	52.2	54.6	55.4	56.0	56.4	56.6	56.6	56.9	56.9	57.1	57.1	57.1	57.2	57.2
IV 18000	43.7	48.2	52.2	54.6	55.4	56.0	56.5	56.7	56.8	57.0	57.0	57.1	57.2	57.2	57.2	57.3
IV 16000	43.7	48.2	52.2	54.6	55.4	56.0	56.5	56.7	56.9	57.0	57.0	57.1	57.2	57.2	57.2	57.3
IV 14000	44.1	48.5	52.7	55.1	55.9	56.5	57.0	57.2	57.4	57.5	57.5	57.7	57.7	57.7	57.8	57.8
IV 12000	45.0	49.5	53.8	56.1	57.0	57.6	58.1	58.2	58.4	58.6	58.6	58.7	58.8	58.8	58.8	58.8
IV 10000	47.9	51.2	57.9	61.5	61.9	62.1	62.6	62.8	63.0	63.2	63.2	63.3	63.4	63.4	63.5	63.5
IV 9000	48.3	53.6	58.3	61.1	61.9	62.6	63.2	63.4	63.6	63.7	63.7	63.8	63.9	63.9	64.0	64.0
IV 8000	51.2	56.8	61.8	64.7	65.7	66.5	67.1	67.3	67.5	67.7	67.7	67.8	67.9	67.9	68.1	68.1
IV 7000	52.2	57.8	63.0	66.0	66.9	67.8	68.4	68.6	68.6	69.0	69.0	69.1	69.2	69.2	69.3	69.3
IV 6000	53.1	58.4	64.0	67.1	68.0	68.9	69.5	69.7	69.9	70.1	70.1	70.3	70.3	70.4	70.4	70.4
IV 5000	54.5	60.3	65.7	68.9	69.9	71.0	71.7	71.9	72.1	72.3	72.3	72.5	72.6	72.6	72.7	72.7
IV 4500	54.7	60.8	66.3	69.6	70.6	71.7	72.3	72.5	72.8	73.0	73.0	73.2	73.2	73.3	73.4	73.4
IV 4000	56.0	62.3	68.1	71.5	72.5	73.6	74.4	74.6	74.8	75.0	75.0	75.2	75.3	75.3	75.4	75.4
IV 3500	56.7	63.3	69.2	72.7	73.8	75.0	75.7	75.9	76.2	76.4	76.4	76.6	76.7	76.7	76.8	76.8
IV 3000	58.2	64.7	71.9	74.7	75.6	77.4	78.2	78.4	78.7	78.9	78.9	79.1	79.2	79.2	79.3	79.3
IV 2500	59.2	65.7	72.2	76.2	77.4	79.0	79.7	79.9	80.3	80.5	80.5	80.7	80.7	80.8	80.9	80.9
IV 2000	59.9	66.7	73.3	77.5	78.7	80.5	81.4	81.6	81.9	82.2	82.4	82.4	82.6	82.7	82.7	82.8
IV 1800	60.7	67.7	73.6	77.8	79.0	80.8	81.7	81.9	82.2	82.4	82.4	82.6	82.7	82.7	82.8	82.8
IV 1500	60.8	67.7	74.6	79.2	80.4	82.5	83.4	83.7	84.0	84.2	84.2	84.4	84.5	84.5	84.6	84.6
IV 1200	61.1	68.1	75.0	79.7	80.9	83.0	84.0	84.2	84.6	84.8	84.8	85.0	85.1	85.1	85.2	85.2
IV 1000	61.5	68.8	76.1	81.1	82.5	84.9	85.9	86.3	86.7	87.0	87.0	87.2	87.3	87.3	87.4	87.4
IV 900	61.6	69.0	76.3	81.5	82.9	85.3	86.4	86.7	87.1	87.4	87.4	87.6	87.7	87.7	87.8	87.8
IV 800	61.9	69.6	77.4	82.9	84.4	86.9	88.2	89.6	89.1	89.4	89.4	89.6	89.7	89.7	89.8	89.8
IV 700	62.1	69.8	77.8	83.4	85.0	87.6	89.1	89.5	90.1	90.4	90.4	90.7	90.7	90.8	90.9	90.9
IV 600	62.3	70.2	78.4	84.1	85.7	88.7	90.4	90.9	91.6	92.0	92.0	92.2	92.2	92.3	92.4	92.4
IV 500	62.5	70.5	78.9	84.8	86.5	89.7	92.0	92.6	93.5	94.1	94.1	94.4	94.4	94.5	94.6	94.6
IV 400	62.5	70.6	79.1	85.1	86.9	90.4	92.8	93.5	94.8	95.5	95.5	95.8	95.9	96.0	96.1	96.1
IV 300	62.5	70.7	79.2	85.3	87.2	91.1	93.6	94.3	95.7	96.6	96.7	97.2	97.3	97.4	97.5	97.5
IV 200	62.5	70.7	79.2	85.3	87.2	91.2	93.7	94.5	96.2	97.3	97.4	98.2	98.5	98.8	99.0	99.0
IV 100	62.5	70.7	79.2	85.3	87.2	91.2	93.7	94.5	96.2	97.3	97.4	98.4	98.7	99.2	99.6	99.6
IV 0	62.5	70.7	79.2	85.3	87.2	91.2	93.7	94.5	96.2	97.3	97.4	98.4	98.7	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14700STATION NAME
SOUTH WYOMOUTH, MAYEARS
73-82MONTH
SEPPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS IN MONTH
31

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		43.7	47.3	47.0	49.7	49.7	50.7	50.7	50.7	51.0	51.0	51.0	51.3	51.3	51.7	52.0
≥ 20000		43.7	47.3	50.0	53.0	53.0	54.3	54.3	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.7
IV 18000		43.7	47.3	50.0	53.0	53.0	54.3	54.3	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.7
IV 16000		43.7	47.3	50.0	53.0	53.0	54.3	54.3	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.7
IV 14000		43.7	47.3	50.0	53.0	53.0	54.3	54.3	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.7
IV 12000		43.7	47.3	50.0	53.0	53.0	54.3	54.3	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.7
IV 10000		49.7	52.0	54.7	57.7	57.7	59.0	59.0	59.0	59.3	59.3	59.3	59.7	59.7	60.0	60.3
IV 9000		50.0	52.3	55.0	58.0	58.0	59.3	59.3	59.3	59.7	59.7	59.7	60.0	60.0	60.3	60.7
IV 8000		52.0	54.7	57.3	60.7	60.7	62.0	62.0	62.0	62.3	62.3	62.3	62.7	62.7	63.0	63.3
IV 7000		53.3	56.0	58.7	62.0	62.0	63.3	63.3	63.3	63.7	63.7	63.7	64.0	64.0	64.3	64.7
IV 6000		55.0	57.7	60.3	63.7	63.7	65.0	65.0	65.0	65.3	65.3	65.3	65.7	65.7	66.0	66.3
IV 5000		56.3	61.0	64.0	67.3	67.3	68.7	68.7	68.7	69.0	69.0	69.0	69.3	69.3	69.7	70.0
IV 4500		59.0	62.0	65.0	68.3	68.3	69.7	69.7	69.7	70.0	70.0	70.0	70.3	70.3	70.7	71.0
IV 4000		60.7	63.7	66.7	70.0	70.0	71.7	71.7	71.7	72.0	72.0	72.0	72.3	72.3	72.7	73.0
IV 3500		60.7	63.7	67.0	70.3	70.3	72.0	72.0	72.0	72.3	72.3	72.3	72.7	72.7	73.0	73.3
IV 3000		61.7	65.7	68.3	72.3	72.3	74.3	74.3	74.3	74.7	74.7	74.7	75.0	75.0	75.3	75.7
IV 2500		63.3	66.7	70.0	74.0	74.0	76.3	76.3	76.3	76.7	76.7	76.7	77.0	77.0	77.3	77.7
IV 2000		64.3	67.7	71.7	75.7	75.7	78.0	78.0	78.0	78.3	78.3	78.3	78.7	78.7	79.0	79.3
IV 1800		64.3	67.7	71.7	75.7	75.7	78.0	78.0	78.0	78.3	78.3	78.3	78.7	78.7	79.0	79.3
IV 1500		65.7	69.0	73.7	78.0	78.0	80.3	80.3	80.3	81.0	81.0	81.0	81.3	81.3	81.7	82.0
IV 1200		66.3	70.0	75.0	79.7	79.7	82.0	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.3	83.7
IV 1000		67.7	71.7	77.0	82.0	82.0	84.3	84.3	84.3	85.0	85.0	85.0	85.3	85.3	85.7	86.0
IV 900		67.7	71.7	77.0	82.3	82.3	84.7	84.7	84.7	85.3	85.3	85.3	85.7	85.7	86.0	86.3
IV 800		68.0	72.0	77.7	83.0	83.0	85.3	85.3	85.3	86.0	86.0	86.0	86.3	86.3	86.7	87.0
IV 700		68.3	72.7	78.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.7	87.7	88.0	88.3
IV 600		68.3	72.7	78.3	84.3	84.3	87.0	87.0	87.0	87.7	87.7	87.7	88.0	88.0	88.3	88.7
IV 500		68.7	73.3	79.3	85.7	85.7	88.7	88.7	88.7	89.3	89.3	89.3	90.0	90.0	90.3	90.7
IV 400		68.7	73.3	80.3	87.3	87.3	90.7	90.7	90.7	91.7	91.7	91.7	92.7	92.7	93.3	93.7
IV 300		69.0	74.0	81.0	88.3	88.3	92.0	92.0	92.0	93.7	93.7	93.7	95.0	95.0	95.3	95.7
IV 200		69.0	74.0	81.0	88.3	88.3	92.3	92.3	92.3	94.0	94.0	94.0	95.3	95.3	95.7	96.3
IV 100		69.0	74.0	81.0	88.3	88.3	92.3	92.3	92.3	94.0	94.0	94.0	95.3	95.3	95.7	96.3
IV 0		69.0	74.0	81.0	88.3	88.3	92.3	92.3	92.3	94.0	94.0	94.0	95.3	95.3	95.7	96.3

TOTAL NUMBER OF OBSERVATIONS 330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-62
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.3	47.3	51.3	53.3	53.7	54.3	54.7	55.0	55.0	55.3	55.3	55.7	55.7	55.7	56.7	
≥ 20000		47.3	51.0	53.0	55.0	55.0	56.0	56.3	56.7	57.0	57.3	57.3	57.7	57.7	57.7	57.7	58.0
IV 18000		49.0	51.0	53.0	55.0	55.0	56.0	56.3	56.7	57.0	57.3	57.3	57.7	57.7	57.7	57.7	58.0
IV 16000		49.0	51.0	53.0	55.0	55.0	56.0	56.3	56.7	57.0	57.3	57.3	57.7	57.7	57.7	57.7	58.0
IV 14000		49.0	51.0	53.0	55.3	55.3	56.3	56.7	57.0	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.3
IV 12000		49.3	51.7	53.7	56.0	56.0	57.0	57.3	57.7	58.0	58.3	58.3	58.7	58.7	58.7	58.7	59.0
IV 10000		51.7	54.0	56.7	59.0	59.0	60.0	60.3	60.7	61.0	61.3	61.3	61.7	61.7	61.7	61.7	62.0
IV 9000		52.0	54.3	57.0	59.3	59.3	60.3	60.7	61.0	61.3	61.7	61.7	62.0	62.0	62.0	62.0	62.3
IV 8000		53.0	56.0	59.7	61.3	61.3	62.3	62.7	63.0	63.3	63.7	63.7	64.0	64.0	64.0	64.0	64.3
IV 7000		54.0	57.0	59.7	62.3	62.3	63.7	64.0	64.3	64.7	65.0	65.0	65.3	65.3	65.3	65.3	65.7
IV 6000		55.3	59.2	62.0	65.3	65.3	66.7	67.0	67.3	67.7	68.0	68.0	68.3	68.3	68.3	68.3	68.7
IV 5000		57.0	61.3	64.3	68.0	68.0	69.3	69.7	70.0	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.2
IV 4500		56.0	62.3	65.3	69.0	69.0	70.3	70.7	71.0	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.3
IV 4000		53.7	63.0	66.0	69.7	69.7	71.0	71.3	71.7	72.0	72.3	72.3	72.7	72.7	72.7	72.7	73.0
IV 3500		59.7	64.0	67.0	70.7	70.7	72.3	72.7	73.0	73.3	73.7	73.7	74.0	74.0	74.0	74.0	74.3
IV 3000		60.3	65.3	68.7	72.3	72.3	74.0	74.3	74.7	75.0	75.3	75.3	75.7	75.7	75.7	75.7	76.0
IV 2500		60.7	65.7	69.0	73.0	73.0	74.7	75.0	75.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.7
IV 2000		61.7	66.0	69.3	74.0	74.0	75.7	76.0	76.3	76.7	77.0	77.0	77.3	77.3	77.3	77.3	77.7
IV 1800		61.3	66.3	69.7	74.3	74.3	76.0	76.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	78.0
IV 1500		62.0	67.0	70.3	75.3	75.3	77.0	77.3	77.7	78.0	78.3	78.3	78.7	78.7	78.7	78.7	79.0
IV 1200		62.3	67.3	70.7	76.0	76.0	78.0	78.3	78.7	79.0	79.3	79.3	79.7	79.7	79.7	79.7	80.0
IV 1000		62.3	67.7	71.3	77.0	77.0	79.0	79.3	79.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	81.0
IV 900		62.3	67.7	71.3	77.0	77.0	79.3	79.7	80.0	80.3	80.7	80.7	81.0	81.0	81.0	81.0	81.3
IV 800		64.0	70.0	74.0	80.0	80.0	82.7	83.0	83.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.7
IV 700		64.7	70.7	74.7	81.0	81.0	83.7	84.0	84.3	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.7
IV 600		64.7	71.0	75.0	82.3	82.7	85.3	85.7	86.0	86.7	87.0	87.0	87.3	87.3	87.3	87.3	87.7
IV 500		65.0	71.7	76.0	83.7	84.0	86.0	86.3	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	88.0
IV 400		66.0	72.7	77.0	84.7	85.0	87.3	87.7	88.0	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.3
IV 300		66.0	72.7	77.0	85.0	85.3	87.7	88.0	88.3	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.7
IV 200		66.3	73.3	77.7	85.7	86.0	88.0	88.3	88.7	89.0	89.3	89.3	89.7	89.7	89.7	89.7	90.0
IV 100		66.3	73.3	77.7	85.7	86.0	88.0	88.3	88.7	89.0	89.3	89.3	89.7	89.7	89.7	89.7	90.0
0		66.3	73.3	77.7	85.7	86.0	88.0	88.3	88.7	89.0	89.3	89.3	89.7	89.7	89.7	89.7	90.0

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WYOMOUTH, VA
STATION NAME73-52
YEARS5.7
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)5.7
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		37.3	41.7	45.3	49.0	49.0	50.0	50.0	50.3	51.3	51.7	51.7	51.7	51.7	52.0	52.0
≥ 20000		39.0	43.7	47.7	50.3	51.3	52.3	52.7	53.0	54.3	54.7	54.7	54.7	54.7	55.0	55.0
≥ 18000		39.0	43.7	47.7	50.3	51.3	52.3	52.7	53.0	54.3	54.7	54.7	54.7	54.7	55.0	55.0
≥ 16000		39.0	43.7	47.7	50.3	51.3	52.3	52.7	53.0	54.3	54.7	54.7	54.7	54.7	55.0	55.0
≥ 14000		40.7	44.7	48.7	51.3	52.3	53.3	53.7	54.0	55.3	55.7	55.7	55.7	55.7	56.0	56.0
≥ 12000		40.7	45.7	49.3	52.3	53.3	54.3	54.7	55.0	56.3	56.7	56.7	56.7	56.7	57.0	57.3
≥ 10000		44.0	48.7	53.0	56.0	57.0	58.0	58.3	58.7	60.3	60.7	60.7	60.7	61.0	61.3	61.7
≥ 9000		44.0	48.7	53.0	56.0	57.0	58.0	58.3	58.7	60.3	60.7	60.7	60.7	61.0	61.3	61.7
≥ 8000		46.7	50.7	54.7	59.7	60.7	61.7	62.0	62.3	64.0	64.3	64.3	64.3	64.7	65.0	65.7
≥ 7000		46.0	53.3	58.0	61.3	62.7	63.7	64.0	64.3	66.3	66.7	66.7	66.7	67.3	67.3	68.0
≥ 6000		48.7	54.3	59.0	62.3	63.7	64.7	65.0	65.7	67.7	68.0	68.3	68.3	68.3	68.7	69.3
≥ 5000		49.0	54.7	59.3	63.0	64.3	65.3	65.7	66.3	68.3	68.7	69.0	69.0	69.0	69.3	70.0
≥ 4500		49.7	54.7	59.3	63.0	64.3	65.3	65.7	66.3	68.3	68.7	69.0	69.0	69.0	69.3	70.0
≥ 4000		50.0	56.0	60.7	64.3	65.7	66.7	67.0	67.7	69.7	70.0	70.3	70.3	70.3	70.7	71.3
≥ 3500		50.3	56.3	61.0	64.7	66.0	67.0	67.3	68.0	70.0	70.3	70.3	70.3	70.7	71.0	71.7
≥ 3000		52.0	58.3	63.0	66.7	68.3	69.3	69.7	70.3	72.3	72.7	72.7	72.7	73.0	73.3	74.0
≥ 2500		52.3	59.7	63.3	67.0	68.7	69.7	70.0	70.7	72.7	73.0	73.0	73.3	73.3	73.7	74.3
≥ 2000		53.0	59.3	64.3	68.0	69.7	70.7	71.0	71.7	73.7	74.0	74.0	74.3	74.3	74.7	75.3
≥ 1800		53.3	59.7	64.7	68.7	70.3	71.3	71.7	72.3	74.3	74.7	74.7	74.7	75.0	75.3	76.0
≥ 1500		53.7	60.3	65.3	70.3	72.0	73.0	73.3	74.0	76.0	76.7	76.7	77.0	77.0	77.3	78.0
≥ 1200		53.7	60.3	65.3	70.3	72.0	73.0	73.3	74.0	76.0	76.7	77.0	77.0	77.3	77.7	78.3
≥ 1000		55.3	62.0	67.0	72.3	74.0	75.3	75.7	76.3	78.7	79.7	79.7	80.0	80.0	80.3	81.0
≥ 900		56.0	62.7	68.0	73.3	75.0	76.7	77.0	77.7	80.0	81.0	81.3	81.3	81.3	81.7	82.3
≥ 800		57.3	64.3	69.7	75.0	76.7	78.7	79.7	80.3	82.7	83.7	83.7	84.0	84.0	84.3	85.0
≥ 700		57.7	65.0	70.3	76.3	78.0	80.7	82.0	83.0	85.3	86.3	86.3	86.3	86.7	87.0	87.7
≥ 600		57.7	65.0	70.3	76.3	78.0	80.7	82.3	83.3	85.7	87.0	87.0	87.3	87.3	87.7	88.3
≥ 500		57.7	65.0	70.7	76.7	78.3	81.0	83.0	84.0	86.7	88.0	88.0	88.0	88.7	89.0	89.7
≥ 400		53.3	65.7	71.7	77.7	79.3	82.3	84.3	85.7	89.7	91.0	91.0	92.0	92.0	92.3	93.3
≥ 300		52.3	65.7	71.7	77.7	79.3	82.3	84.7	86.3	90.7	94.0	94.0	95.0	95.0	95.7	96.7
≥ 200		55.3	65.7	71.7	77.7	79.3	82.3	84.7	86.3	90.7	94.0	94.0	95.0	95.0	96.0	97.3
≥ 100		59.3	65.7	71.7	77.7	79.3	82.3	84.7	86.3	90.7	94.3	94.3	95.3	95.7	97.0	99.0
≥ 0		58.3	65.7	71.7	77.7	79.3	82.3	84.7	86.3	90.7	94.3	94.3	95.3	95.7	97.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

75-12

YEARS

10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LAST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.0	47.0	47.7	51.0	51.0	51.0	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.7
≥ 20000	1.0	47.0	51.0	52.0	52.7	53.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	1.0	47.0	51.0	52.0	52.7	53.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 16000	1.0	47.0	51.0	52.0	52.7	53.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 14000	1.0	47.0	51.0	52.0	53.0	53.3	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	1.0	48.0	52.0	53.0	54.0	54.7	55.0	55.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	1.0	52.0	56.0	56.0	56.7	59.0	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	1.0	53.0	56.7	58.0	59.0	59.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	1.0	55.0	59.7	62.0	62.7	63.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	1.0	56.0	60.0	62.7	63.3	63.7	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	1.0	56.7	60.3	63.3	64.0	64.3	65.3	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	1.0	57.0	61.3	64.7	65.3	65.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4500	1.0	58.0	62.0	66.0	66.7	67.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 4000	1.0	60.0	64.0	67.0	68.0	68.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	1.0	62.0	66.7	70.0	70.7	71.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	1.0	64.0	69.3	72.3	73.3	73.7	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	1.0	65.0	70.0	74.0	75.0	76.0	77.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	1.0	66.0	70.7	74.7	76.3	76.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	1.0	66.7	71.0	75.3	77.0	78.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	1.0	67.0	72.3	76.7	79.3	80.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	1.0	67.3	72.7	77.0	79.7	80.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	1.0	69.3	74.7	77.7	83.0	84.0	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	1.0	69.7	75.0	80.0	83.7	84.7	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	1.0	70.3	76.0	81.7	85.7	86.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	1.0	71.0	76.7	83.0	87.3	88.3	91.0	92.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	1.0	71.0	76.7	83.0	87.3	88.3	91.0	92.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	1.0	71.0	76.7	83.0	88.7	89.0	92.0	93.7	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	1.0	71.3	77.0	83.3	89.0	90.3	93.0	94.0	94.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	1.0	71.3	77.0	83.3	89.0	90.3	93.0	94.7	95.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	1.0	71.3	77.0	83.3	89.0	90.3	93.0	94.7	95.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	1.0	71.3	77.0	83.3	89.0	90.3	93.0	94.7	95.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	1.0	71.3	77.0	83.3	89.0	90.3	93.0	94.7	95.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-1

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.7	43.3	46.7	44.3	42.7	38.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	1.7	51.7	51.7	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	1.7	51.7	51.7	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	51.7
IV 16000	1.7	51.7	51.7	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 14000	1.7	51.7	51.7	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 12000	1.7	51.7	51.7	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 10000	1.7	54.3	56.7	59.3	60.0	60.3	60.7	60.3	60.7	60.3	60.7	60.3	60.7	60.3	60.7	60.7
IV 9000	1.7	54.3	56.7	59.3	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	1.7	57.7	59.7	62.7	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000	1.7	58.3	60.3	63.3	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	1.7	58.7	62.7	63.7	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 5000	1.7	59.3	61.7	64.3	65.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	1.7	59.3	62.3	65.0	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 4000	1.7	59.3	65.3	64.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	1.7	57.7	69.7	72.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	1.7	71.0	74.0	77.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	1.7	71.7	74.7	74.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 2000	1.7	73.3	76.7	69.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1800	1.7	73.7	77.0	69.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1500	1.7	75.3	78.7	63.3	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1200	1.7	77.0	80.3	65.0	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1000	1.7	77.0	81.3	65.3	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 900	1.7	77.7	80.3	68.0	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 800	1.7	77.0	80.7	66.3	69.7	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 700	1.7	77.7	81.7	67.3	70.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	1.7	78.0	82.0	67.7	71.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 500	1.7	78.0	82.0	67.7	71.7	72.7	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 400	1.7	78.0	82.0	67.7	72.0	73.3	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 300	1.7	78.0	82.0	67.7	72.0	73.3	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 200	1.7	78.0	82.0	67.7	72.0	73.3	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 100	1.7	78.0	82.0	67.7	72.0	73.3	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 0	1.7	78.0	82.0	67.7	72.0	73.3	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1477
STATIONSTATION NAME
STOUTH WYNDOUTH, MA

73-82

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	1.0	52.7	55.7	55.3	55.3	55.3	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 20000	1.0	52.7	61.3	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	1.0	52.7	61.3	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	1.0	52.7	61.3	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 7000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 5000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3500	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2500	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1800	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1500	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1200	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1000	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 900	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 800	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 700	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 600	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 500	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 400	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 300	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 200	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 100	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 0	1.0	52.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYNDHAM, VA

75-87

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS 11.5.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	40.7	50.7	52.3	53.0	53.3	53.7	53.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 12000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 3500	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 3000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 2500	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 2000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1800	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1500	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1200	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1000	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 900	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 800	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 700	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 600	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 500	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 400	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 300	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 200	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 100	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 0	53.3	55.7	57.7	58.3	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1477
STATIONSOUTH WYOMING, WA
STATION NAME75-92
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.7	47.0	48.7	49.7	49.7	50.3	51.0	51.0	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0
≥ 20000	50.3	52.0	53.7	54.7	54.7	55.7	56.3	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3
≥ 18000	50.3	52.0	53.7	54.7	54.7	55.7	56.3	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3
≥ 16000	50.3	52.0	53.7	54.7	54.7	55.7	56.3	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3
≥ 14000	50.3	52.0	54.0	55.0	55.0	56.0	56.7	56.7	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7
≥ 12000	51.0	53.0	54.7	55.7	55.7	56.7	57.3	57.3	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3
≥ 10000	53.7	55.7	57.3	58.3	58.3	59.3	60.0	60.0	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0
≥ 9000	53.7	55.7	57.3	58.3	58.3	59.3	60.0	60.0	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0
≥ 8000	57.3	59.7	61.3	62.3	62.3	63.3	64.0	64.0	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0
≥ 7000	59.0	61.7	63.3	64.3	64.3	65.3	66.0	66.0	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0
≥ 6000	61.0	63.7	65.3	66.3	66.3	67.3	68.0	68.0	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0
≥ 5000	62.7	67.3	69.0	70.0	70.0	71.0	71.7	71.7	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7
≥ 4500	63.3	68.3	70.0	71.3	71.3	72.3	73.0	73.0	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0
≥ 4000	65.3	70.7	72.3	73.7	73.7	74.7	75.3	75.3	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3
≥ 3500	66.0	71.7	73.3	75.0	75.0	76.0	76.7	76.7	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7
≥ 3000	68.0	74.0	75.7	77.3	77.3	78.7	79.3	79.3	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7
≥ 2500	69.7	76.0	77.7	79.3	79.3	80.7	81.3	81.3	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3
≥ 2000	70.7	77.0	79.0	81.0	81.0	82.7	83.3	83.3	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3
≥ 1800	71.7	78.0	80.0	82.3	82.3	84.0	84.7	84.7	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7
≥ 1500	72.0	78.7	80.7	83.0	83.0	85.0	85.7	85.7	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7
≥ 1200	72.7	79.3	81.7	84.0	84.0	86.0	86.7	86.7	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7
≥ 1000	72.7	79.3	81.7	84.0	84.0	86.0	86.7	86.7	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7
≥ 900	72.7	79.3	81.7	84.0	84.0	86.0	86.7	86.7	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7
≥ 800	73.0	80.0	82.3	85.0	85.0	87.7	88.3	88.3	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3
≥ 700	73.7	81.7	84.0	86.7	86.7	89.3	90.3	90.3	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3
≥ 600	74.0	82.3	84.7	87.3	87.3	90.0	90.7	90.7	91.7	91.7	91.7	92.3	92.3	92.3	92.3	92.3
≥ 500	74.3	83.0	85.3	88.7	88.7	92.7	94.0	94.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3
≥ 400	74.7	83.3	86.0	89.7	89.7	93.7	95.0	95.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3
≥ 300	74.7	83.3	86.0	89.7	89.7	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
≥ 200	74.7	83.3	86.0	89.7	89.7	93.7	95.0	95.0	96.7	96.7	96.7	97.0	97.0	97.0	97.3	97.3
≥ 100	74.7	83.3	86.0	89.7	89.7	93.7	95.0	95.0	97.0	97.0	97.0	97.7	97.7	97.7	98.3	98.7
≥ 0	74.7	83.3	86.0	89.7	89.7	93.7	95.0	95.0	97.0	97.0	97.0	97.7	97.7	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-37
YEARSSEP
MONTHPERCENTAGE 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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.7	44.0	49.8	51.1	51.3	51.9	52.0	52.2	52.5	52.6	52.6	52.8	52.8	52.9	52.9	52.9
≥ 20000	49.1	51.5	53.7	55.0	55.3	56.0	56.2	56.4	56.8	56.9	56.9	57.0	57.0	57.1	57.2	57.2
IV 18000	49.1	51.5	53.7	55.0	55.3	56.0	56.2	56.4	56.8	56.9	56.9	57.0	57.0	57.1	57.2	57.2
IV 16000	49.1	51.5	53.7	55.0	55.3	56.0	56.2	56.4	56.8	56.9	56.9	57.0	57.0	57.1	57.2	57.2
IV 14000	49.5	51.9	54.1	55.4	55.7	56.5	56.6	56.8	57.2	57.3	57.3	57.4	57.4	57.5	57.6	57.6
IV 12000	50.2	52.8	55.0	56.3	56.6	57.4	57.5	57.7	58.1	58.2	58.2	58.3	58.3	58.4	58.5	58.5
IV 10000	53.4	56.1	58.5	60.1	60.4	61.2	61.4	61.5	62.0	62.1	62.1	62.3	62.3	62.3	62.5	62.5
IV 9000	53.8	56.5	58.9	60.5	60.8	61.5	61.8	61.9	62.4	62.5	62.5	62.6	62.6	62.7	62.8	62.8
IV 8000	56.2	59.3	61.8	63.4	63.7	64.5	64.7	64.9	65.3	65.4	65.4	65.6	65.6	65.7	65.8	65.8
IV 7000	57.4	60.5	63.0	64.7	65.0	65.9	66.1	66.3	66.8	66.8	66.8	67.0	67.0	67.1	67.3	67.3
IV 6000	58.3	61.8	64.4	66.2	66.5	67.4	67.6	67.8	68.3	68.4	68.4	68.5	68.5	68.6	68.8	68.8
IV 5000	60.7	64.5	67.3	69.2	69.5	70.4	70.6	70.8	71.3	71.4	71.4	71.5	71.5	71.6	71.8	71.8
IV 4500	62.4	66.5	69.3	71.3	71.7	72.5	72.8	73.0	73.5	73.5	73.5	73.7	73.7	73.8	74.0	74.0
IV 4000	63.8	67.9	70.8	72.9	73.3	74.3	74.5	74.7	75.2	75.3	75.3	75.5	75.5	75.6	75.7	75.7
IV 3500	65.4	69.8	73.0	75.3	75.7	76.7	76.9	77.2	77.7	77.8	77.8	77.9	77.9	78.0	78.2	78.2
IV 3000	66.5	70.8	74.0	76.4	76.8	77.9	78.1	78.3	78.8	78.9	78.9	79.1	79.1	79.2	79.3	79.3
IV 2500	67.0	71.7	75.1	77.7	78.1	79.2	79.4	79.7	80.2	80.3	80.3	80.4	80.4	80.5	80.7	80.7
IV 2000	67.4	72.1	75.5	78.2	78.6	79.7	79.9	80.2	80.7	80.8	80.8	80.9	80.9	81.0	81.2	81.2
IV 1800	68.5	73.3	77.0	80.0	80.6	81.9	82.1	82.4	82.9	83.0	83.0	83.2	83.2	83.3	83.4	83.4
IV 1600	69.1	74.1	77.8	81.0	81.6	83.0	83.3	83.5	84.0	84.2	84.2	84.3	84.3	84.4	84.6	84.6
IV 1400	70.2	75.1	79.2	82.8	83.4	84.9	85.1	85.4	85.9	86.1	86.1	86.3	86.3	86.3	86.5	86.5
IV 1200	70.2	75.4	79.5	83.2	83.9	85.5	85.8	86.0	86.5	86.7	86.7	86.9	86.9	87.0	87.1	87.1
IV 1000	70.8	76.3	80.6	84.5	85.3	87.1	87.6	87.9	88.6	88.9	88.9	89.0	89.0	89.1	89.3	89.3
IV 900	71.3	77.0	81.4	85.5	86.4	88.4	89.0	89.4	90.2	90.4	90.4	90.6	90.6	90.7	90.9	90.9
IV 800	71.4	77.3	81.7	86.1	87.0	89.2	89.9	90.3	91.1	91.5	91.5	91.6	91.6	91.7	91.9	91.9
IV 700	71.5	77.5	82.1	86.9	87.9	90.5	91.4	91.8	92.8	93.2	93.2	93.4	93.4	93.5	93.7	93.7
IV 600	71.8	77.8	82.6	87.6	88.6	91.4	92.5	93.2	94.5	95.0	95.0	95.3	95.3	95.4	95.6	95.6
IV 500	71.9	77.9	82.7	87.8	88.8	91.7	93.2	94.0	95.6	96.5	96.5	97.0	97.0	97.1	97.3	97.3
IV 400	72.0	78.0	82.8	87.9	88.9	91.8	93.4	94.1	95.9	96.9	97.0	97.6	97.7	98.0	98.3	98.3
IV 300	72.0	78.0	82.8	87.9	88.9	91.8	93.4	94.1	95.9	96.9	97.0	97.6	97.7	98.0	98.3	98.3
IV 200	72.0	78.0	82.8	87.9	88.9	91.8	93.4	94.1	95.9	96.9	97.0	97.6	97.7	98.0	98.3	98.3
IV 100	72.0	78.0	82.8	87.9	88.9	91.8	93.4	94.1	95.9	96.9	97.0	97.6	97.7	98.0	98.3	98.3
IV 0	72.0	78.0	82.8	87.9	88.9	91.8	93.4	94.1	95.9	96.9	97.0	97.6	97.7	98.0	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1070
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-52
YEARS

007
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	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	49.7	51.3	51.9	52.9	52.9	53.6	54.5	54.9	55.5	55.5	55.5	55.5	55.5	55.5	56.5	56.9
≥ 20000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 18000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 14000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 12000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 10000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 9000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 8000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 7000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 6000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 5000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 4500	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 4000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 3500	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 3000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 2500	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 2000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 1800	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 1500	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 1200	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 1000	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 900	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 800	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 700	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 600	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 500	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 400	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 300	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 200	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 100	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0
IV 0	52.3	52.9	54.5	55.5	55.5	56.1	57.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	59.0	59.0

TOTAL NUMBER OF OBSERVATIONS 10

DIRNAVOCEANMET SMOS

NAVY WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION SOUTH ASHEVILLE, NC

73-92

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	51.9	51.9	51.9	54.5	54.8	55.2	55.8	55.8	55.8	57.1	57.1	57.4	57.4	57.4	57.4
≥ 20000	52.3	53.9	56.1	56.1	56.8	57.1	57.4	58.1	58.1	58.1	59.4	59.4	59.7	59.7	59.7	59.7
IV 18000	52.3	53.9	56.1	56.8	57.1	57.4	58.1	58.1	58.1	58.1	59.4	59.4	59.7	59.7	59.7	59.7
IV 14000	52.3	53.9	56.1	56.8	57.1	57.4	58.1	58.1	58.1	58.1	59.4	59.4	59.7	59.7	59.7	59.7
IV 14000	52.3	53.9	56.1	56.8	57.1	57.4	58.1	58.1	58.1	58.1	59.4	59.4	59.7	59.7	59.7	59.7
IV 12000	53.2	54.8	57.1	57.7	58.1	59.7	59.7	59.7	59.7	59.7	60.7	60.7	61.0	61.0	61.0	61.0
IV 10000	54.5	56.8	59.0	59.7	60.0	60.7	61.3	61.3	61.3	61.3	62.9	62.9	63.2	63.2	63.2	63.2
IV 9000	54.5	57.1	59.4	60.0	60.3	61.0	61.6	61.6	61.6	61.6	63.2	63.2	63.6	63.6	63.6	63.6
IV 8000	58.7	61.9	64.2	64.8	65.2	65.8	66.5	66.5	66.5	66.5	68.1	68.1	68.4	68.4	68.4	68.4
IV 7000	60.0	63.2	65.5	66.1	66.5	67.1	67.7	67.7	67.7	67.7	69.4	69.4	69.7	69.7	69.7	69.7
IV 6000	61.6	64.8	67.4	68.1	68.4	69.0	69.7	69.7	69.7	69.7	71.3	71.3	71.6	71.6	71.6	71.6
IV 5000	62.9	66.8	69.4	70.0	70.3	71.0	71.6	71.6	71.6	71.6	73.2	73.2	73.6	73.6	73.6	73.6
IV 4500	64.8	68.7	71.3	71.9	72.3	72.9	73.6	73.6	73.6	73.6	75.2	75.2	75.5	75.5	75.5	75.5
IV 4000	65.8	70.0	72.6	73.2	73.6	74.2	74.8	74.8	74.8	74.8	76.3	76.3	76.8	76.8	76.8	76.8
IV 3500	66.1	70.3	72.9	73.9	74.2	74.8	75.5	75.5	75.5	75.5	77.1	77.1	77.4	77.4	77.4	77.4
IV 3000	68.7	72.9	75.5	76.9	77.1	77.7	78.4	78.4	78.4	78.4	80.0	80.0	80.3	80.3	80.3	80.3
IV 2500	69.7	73.9	76.8	78.1	78.4	79.0	79.7	79.7	79.7	79.7	81.3	81.3	81.6	81.6	81.6	81.6
IV 2000	70.0	74.2	77.4	79.4	79.7	80.3	81.0	81.0	81.0	81.0	82.6	82.6	82.9	82.9	82.9	82.9
IV 1800	70.0	74.2	77.4	79.4	79.7	80.3	81.0	81.0	81.0	81.0	82.6	82.6	82.9	82.9	82.9	82.9
IV 1500	70.3	74.8	78.1	80.3	80.7	81.3	81.9	81.9	81.9	81.9	83.6	83.6	83.9	83.9	83.9	83.9
IV 1200	71.3	75.5	78.7	81.0	81.3	81.9	82.6	82.6	82.6	82.6	84.2	84.2	84.5	84.5	84.5	84.5
IV 1000	71.3	75.5	79.0	81.3	81.6	82.6	83.2	83.2	83.2	83.2	84.8	84.8	85.2	85.2	85.2	85.2
IV 900	71.3	76.8	80.3	82.6	82.9	83.9	84.5	84.5	84.5	84.5	86.1	86.1	86.5	86.5	86.5	86.5
IV 800	71.6	77.1	80.7	82.9	83.6	84.5	85.2	85.2	85.2	85.2	86.8	86.8	87.1	87.1	87.1	87.1
IV 700	71.9	77.4	81.3	83.9	84.5	85.5	86.1	86.1	86.1	86.1	87.7	87.7	88.1	88.1	88.1	88.1
IV 600	72.3	77.7	81.6	84.2	85.2	86.1	86.8	86.8	86.8	86.8	88.4	88.4	88.7	88.7	88.7	88.7
IV 500	72.3	77.7	81.9	84.8	86.1	87.7	88.4	88.4	88.4	88.4	90.0	90.0	90.3	90.3	90.3	90.3
IV 400	72.3	78.1	82.3	85.5	86.8	88.7	89.7	89.7	89.7	89.7	91.3	91.3	91.6	91.6	91.6	91.6
IV 300	72.3	78.4	82.9	86.1	87.4	89.4	90.3	90.3	90.3	90.3	92.6	92.6	93.6	93.6	93.6	93.6
IV 200	72.3	78.8	82.9	86.5	88.1	90.0	91.3	91.3	91.3	91.3	93.9	93.9	94.2	94.2	94.2	94.2
IV 100	72.3	78.4	82.9	86.8	88.4	90.3	91.6	91.6	91.6	91.6	94.2	94.2	95.5	95.5	95.5	95.5
IV 0	72.3	78.4	82.9	86.8	88.4	90.3	91.6	91.6	91.6	91.6	94.2	94.2	95.5	95.5	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14770
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-72
YEARSOCT
MONTH07
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	1.0	43.6	45.5	47.1	48.1	48.1	49.0	49.7	49.7	50.7	51.0	51.3	51.3	51.3	51.6	52.9
≥ 20000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 18000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 16000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 14000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 12000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 10000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 9000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 8000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 7000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 6000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 5000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 4500	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 4000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 3500	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 3000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 2500	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 2000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 1800	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 1500	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 1200	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 1000	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 900	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 800	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 700	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 600	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 500	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 400	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 300	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 200	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 100	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1
≥ 0	1.0	47.1	49.4	51.3	52.6	52.6	53.6	54.8	54.8	55.8	56.1	56.1	56.5	56.5	56.8	58.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

157-17
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-82
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.3	46.8	48.7	47.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	2.3	51.3	53.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	2.3	51.6	53.6	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 16000	2.3	51.6	53.6	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 14000	2.3	51.9	53.9	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	2.3	52.3	55.2	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	2.3	56.1	59.4	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 9000	2.3	57.1	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	2.3	59.7	62.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	2.3	61.3	63.6	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 6000	2.3	61.6	64.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 5000	2.3	63.6	66.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	2.3	64.2	67.4	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	2.3	65.5	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	2.3	66.1	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	2.3	71.3	75.2	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	2.3	74.2	78.1	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	2.3	75.8	79.7	82.3	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1800	2.3	76.1	80.0	82.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1500	2.3	76.5	80.7	83.2	84.5	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	2.3	76.8	81.0	83.6	85.2	85.5	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1000	2.3	76.8	81.0	84.5	86.5	86.8	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	2.3	76.8	81.0	84.5	86.5	86.8	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	2.3	77.1	81.6	86.1	88.4	89.0	89.4	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	2.3	77.4	81.9	86.8	89.0	89.7	90.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	2.3	77.4	81.9	86.8	89.0	90.0	90.0	91.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	2.3	77.7	82.3	87.1	89.7	90.7	91.6	93.2	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 400	2.3	77.7	82.3	87.1	89.7	91.0	92.9	94.8	95.5	97.1	97.1	97.1	97.4	97.4	97.4	97.4
IV 300	2.3	77.7	82.3	87.1	89.7	91.0	92.9	94.8	95.8	97.7	98.1	98.4	98.7	98.7	98.7	98.7
IV 200	2.3	77.7	82.3	87.1	89.7	91.0	92.9	94.8	95.8	98.1	98.7	99.0	99.4	99.4	99.7	99.7
IV 100	2.3	77.7	82.3	87.1	89.7	91.0	92.9	94.8	95.8	98.1	99.0	99.4	99.7	99.7	100.0	100.0
IV 0	2.3	77.7	82.3	87.1	89.7	91.0	92.9	94.8	95.8	98.1	99.0	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1971

SOUTH WYOMOUTH, MA

73-22

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.7	44.2	48.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.4	50.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IN 18000	1.8	50.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IN 16000	1.8	51.0	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IN 14000	1.8	51.7	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IN 12000	1.8	51.9	54.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IN 10000	1.8	53.9	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 9000	1.8	54.2	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IN 8000	1.8	56.5	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IN 7000	1.8	57.4	61.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IN 6000	1.8	60.0	63.6	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IN 5000	1.8	62.3	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IN 4500	1.8	63.6	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IN 4000	2.3	67.1	70.7	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IN 3500	2.3	70.7	74.2	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IN 3000	2.3	75.5	79.0	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IN 2500	2.3	78.4	82.3	83.9	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 2000	2.3	79.0	83.2	84.8	85.8	85.8	86.1	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IN 1800	2.3	79.4	83.6	85.2	86.1	86.1	86.5	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IN 1500	2.3	80.7	84.2	86.8	87.7	87.7	88.1	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 1200	2.3	80.7	85.3	87.4	88.7	88.7	89.0	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 1000	2.3	81.0	85.8	88.1	90.0	90.7	91.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 900	2.3	81.0	85.8	88.1	90.0	90.7	91.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 800	2.3	81.0	85.8	88.1	90.0	91.0	91.6	92.9	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6
IN 700	2.3	81.0	85.8	88.1	90.3	91.3	91.9	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9
IN 600	2.3	81.0	85.8	88.1	90.3	91.6	92.9	94.2	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8
IN 500	2.3	81.0	86.1	88.4	90.7	92.6	94.2	96.1	96.1	96.5	96.8	97.1	97.1	97.1	97.1	97.1
IN 400	2.3	81.0	86.1	88.4	90.7	92.6	94.5	96.8	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IN 300	2.3	81.0	86.1	88.4	90.7	92.6	94.5	96.8	98.1	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200	2.3	81.0	86.1	88.4	90.7	92.6	94.5	96.8	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0
IN 100	2.3	81.0	86.1	88.4	90.7	92.6	94.5	96.8	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0
IN 0	2.3	81.0	86.1	88.4	90.7	92.6	94.5	96.8	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-0

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	1.7	52.6	57.2	57.6	53.6	53.6	53.6	57.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	1.7	56.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	1.7	56.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	1.7	56.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	1.7	56.5	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	1.7	57.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	1.7	59.7	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	1.7	60.0	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	2.3	62.3	64.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	2.3	63.6	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	2.3	64.5	67.1	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
≥ 5000	2.3	65.4	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	2.3	69.7	71.3	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	2.3	71.6	74.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	2.3	73.9	76.5	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	2.3	75.8	78.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	2.3	76.4	81.3	82.3	82.3	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	2.3	77.0	81.9	83.2	83.2	83.2	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	2.3	79.0	81.9	83.2	83.2	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	2.3	80.7	83.6	85.2	85.2	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	2.3	81.0	83.9	85.5	85.5	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	2.3	81.6	84.5	86.1	86.5	87.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	2.3	81.6	84.5	86.1	86.5	87.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	2.3	81.6	85.2	86.8	87.1	88.1	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	2.3	81.9	85.5	87.1	87.4	88.7	91.6	91.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	2.3	81.9	85.5	87.4	87.7	89.0	92.3	92.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	2.3	82.6	86.1	88.4	88.4	89.0	90.3	93.6	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400	2.3	82.6	86.1	88.4	89.0	90.3	93.9	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300	2.3	82.6	86.1	88.4	89.0	90.3	94.2	94.8	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	2.3	82.6	86.1	88.4	89.0	90.3	94.2	94.8	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	2.3	82.6	86.1	88.4	89.0	90.3	94.2	94.8	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	2.3	82.6	86.1	88.4	89.0	90.3	94.2	94.8	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14720

SOUTH WYOMOUTH, MA

73-72

007

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	1.3	53.2	54.2	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	4.2	56.1	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	4.2	56.1	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	4.2	56.1	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	4.5	56.5	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	4.5	56.8	58.4	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000	7.4	57.7	61.3	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	7.7	60.0	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	6.4	64.2	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	2.6	65.6	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	4.2	67.4	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	7.1	70.2	72.3	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	7.1	73.6	75.5	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	1.6	74.5	77.1	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	1.9	75.2	77.4	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	3.9	77.1	79.4	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	4.4	78.1	80.3	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	5.5	79.0	81.3	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	5.8	79.4	81.6	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1600	6.5	80.0	82.6	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	6.5	80.0	82.9	84.2	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	7.1	80.7	83.6	85.2	85.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	7.4	81.0	83.9	85.8	86.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	7.4	81.0	84.5	86.8	87.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	7.7	81.6	85.8	88.4	89.4	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	7.7	81.6	85.8	88.7	89.7	91.6	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	7.1	81.9	86.1	89.7	90.3	92.6	92.9	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	7.7	82.9	87.1	90.3	91.9	94.5	95.2	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300	7.7	82.9	87.1	90.3	91.9	94.8	95.8	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	7.7	82.9	87.1	90.3	91.9	94.8	95.8	95.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	7.7	82.9	87.1	90.3	91.9	94.8	95.8	95.8	97.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	7.7	82.9	87.1	90.3	91.9	94.8	95.8	95.8	97.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-47

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

72

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	51.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 18000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 16000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 14000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 12000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 10000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 9000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 8000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 7000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 6000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 5000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4500	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3500	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2500	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1800	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1500	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1200	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1000	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 900	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 800	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 700	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 600	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 500	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 400	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 300	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 200	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 100	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 0	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10737
STATIONSOUTH WYOMOUTH, GA
STATION NAME73-00
YEARSOCT
MONTHPERCENTAGE 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	≥ ¼	≥ 0
NO CEILING	1.1	48.5	50.1	51.1	51.7	51.6	52.1	52.2	52.4	52.6	52.8	52.8	52.9	52.9	53.1	53.2
≥ 20000	1.1	51.3	52.4	54.9	55.5	55.6	55.9	56.2	56.3	56.5	56.7	56.7	56.8	56.8	56.9	57.1
≥ 18000	1.2	51.2	53.7	54.9	55.5	55.6	55.9	56.3	56.3	56.5	56.7	56.7	56.9	56.9	57.1	57.1
≥ 16000	1.1	52.7	53.5	55.0	55.7	55.7	56.0	56.4	56.4	56.6	56.8	56.9	57.0	57.0	57.1	57.3
≥ 14000	1.1	52.2	54.2	55.3	55.9	56.2	56.3	56.6	56.7	56.9	57.1	57.1	57.2	57.2	57.3	57.5
≥ 12000	1.1	53.1	55.0	56.4	57.0	57.1	57.4	57.7	57.8	58.0	58.2	58.2	58.4	58.4	58.5	58.7
≥ 10000	1.1	55.6	57.9	58.3	59.9	60.0	60.3	60.7	60.7	61.0	61.2	61.3	61.4	61.4	61.5	61.7
≥ 9000	1.1	57.2	58.6	60.0	60.5	60.7	61.0	61.3	61.4	61.6	61.9	61.9	62.0	62.0	62.1	62.3
≥ 8000	1.1	58.2	61.9	63.5	64.1	64.2	64.5	64.9	64.9	65.2	65.4	65.5	65.6	65.6	65.7	65.9
≥ 7000	1.1	60.7	63.6	65.1	65.8	65.9	66.3	66.7	66.7	66.9	67.2	67.3	67.4	67.4	67.5	67.7
≥ 6000	1.1	62.4	65.3	66.9	67.7	67.8	68.2	68.6	68.6	68.9	69.2	69.3	69.4	69.4	69.5	69.7
≥ 5000	1.1	64.5	67.6	69.3	70.1	70.2	70.7	71.1	71.1	71.5	71.8	71.8	71.9	71.9	72.1	72.3
≥ 4500	1.1	65.9	69.0	70.7	71.5	71.5	72.1	72.5	72.5	72.9	73.2	73.2	73.4	73.4	73.5	73.7
≥ 4000	1.2	67.9	71.0	72.8	73.7	73.8	74.2	74.6	74.7	75.0	75.4	75.4	75.5	75.5	75.7	75.9
≥ 3500	1.2	69.2	72.5	74.4	75.3	75.4	75.9	76.3	76.3	76.7	77.0	77.1	77.2	77.2	77.3	77.4
≥ 3000	1.2	71.7	75.1	77.1	78.1	78.3	78.8	79.2	79.3	79.6	80.0	80.0	80.1	80.1	80.2	80.4
≥ 2500	1.2	73.4	77.1	79.2	80.3	80.6	81.1	81.5	81.6	82.0	82.3	82.3	82.5	82.5	82.6	82.8
≥ 2000	1.2	74.2	77.9	80.1	81.3	81.5	82.1	82.6	82.7	83.2	83.5	83.6	83.7	83.7	83.8	84.0
≥ 1800	1.2	74.4	77.9	80.2	81.4	81.7	82.3	82.8	82.9	83.4	83.7	83.7	83.8	83.8	83.9	84.2
≥ 1500	1.2	75.0	78.9	81.3	82.5	82.8	83.5	84.1	84.3	84.7	85.0	85.1	85.2	85.2	85.3	85.5
≥ 1200	1.2	75.2	79.1	81.6	83.0	83.4	84.0	84.6	84.8	85.2	85.6	85.6	85.7	85.7	85.7	86.1
≥ 1000	1.2	75.6	79.6	82.3	84.0	84.5	85.4	86.2	86.4	86.9	87.2	87.3	87.4	87.4	87.5	87.7
≥ 900	1.2	75.7	79.8	82.5	84.2	84.8	85.7	86.5	86.7	87.2	87.5	87.5	87.7	87.7	87.8	88.0
≥ 800	1.2	75.9	80.2	83.1	85.0	85.6	86.6	87.7	87.9	88.4	88.8	88.8	89.0	89.0	89.1	89.3
≥ 700	1.2	76.1	80.6	83.7	85.7	86.5	87.8	88.7	89.0	89.6	89.9	90.0	90.1	90.1	90.2	90.4
≥ 600	1.2	76.2	80.7	83.8	85.9	86.8	88.5	89.5	89.8	90.4	90.8	90.8	90.9	90.9	91.1	91.3
≥ 500	1.2	76.5	81.0	84.5	86.9	87.9	89.9	91.1	91.4	92.3	92.7	92.8	92.9	92.9	93.1	93.3
≥ 400	1.2	76.6	81.2	84.8	87.4	88.5	91.0	92.4	93.0	94.0	94.7	94.8	95.0	95.0	95.1	95.3
≥ 300	1.2	76.6	81.3	84.9	87.6	88.8	91.3	92.9	93.7	95.0	95.9	96.0	96.5	96.5	96.7	96.9
≥ 200	1.2	76.6	81.3	84.9	87.6	88.9	91.5	93.2	94.0	95.4	96.7	96.7	97.5	97.5	97.7	98.0
≥ 100	1.2	76.6	81.3	84.9	87.7	89.9	91.5	93.2	94.0	95.4	96.8	96.9	97.6	97.6	98.1	99.1
≥ 0	1.2	76.6	81.3	84.9	87.7	88.9	91.5	93.2	94.0	95.4	96.8	96.9	97.6	97.6	98.2	99.0

TOTAL NUMBER OF OBSERVATIONS 2880

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 5074 WEATHER, NC 75-02 MONTH NOV 1951

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	≥ 1/8	≥ 0
NO CEILING	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	46.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 9000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 8000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 7000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 5000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3500	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2500	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1800	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1500	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1200	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1000	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 900	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 800	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 700	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 600	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 500	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 400	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 300	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 200	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 100	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 0	48.7	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME SOUTH WYOMOUTH, MA

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	49.7	51.7	50.3	51.7	51.7	52.3	52.7	52.7	53.3	53.7	53.7	53.7	53.7	53.7	53.7	54.0
≥ 20000	51.7	51.3	51.7	53.0	53.0	53.7	54.0	54.0	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.3
IV 18000	51.7	51.3	51.7	53.0	53.0	53.7	54.0	54.0	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.3
IV 14000	51.7	51.3	51.7	53.0	53.0	53.7	54.0	54.0	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.3
IV 14000	51.7	51.3	52.0	53.3	53.3	54.0	54.3	54.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.7
IV 12000	52.0	52.3	52.7	54.3	54.3	55.0	55.3	55.3	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.7
IV 10000	54.7	55.0	55.3	57.3	57.3	58.0	58.3	58.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.7
IV 9000	54.7	55.0	55.3	57.3	57.3	58.0	58.3	58.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.7
IV 8000	55.0	55.3	55.7	58.0	58.0	58.7	59.0	59.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.7
IV 7000	58.7	59.0	59.3	61.3	61.3	62.0	62.3	62.3	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.7
IV 6000	61.3	61.7	62.0	64.0	64.0	64.7	65.0	65.0	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.3
IV 5000	64.0	65.0	65.3	67.3	67.3	68.0	68.3	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.7
IV 4500	66.7	67.0	67.3	69.3	69.3	70.0	70.3	70.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.7
IV 4000	68.3	68.3	69.7	71.7	71.7	72.3	72.7	72.7	73.3	73.7	73.7	73.7	74.0	74.0	74.0	74.3
IV 3500	69.7	70.7	71.0	73.0	73.0	73.7	74.0	74.0	74.7	75.0	75.0	75.0	75.3	75.3	75.3	75.7
IV 3000	70.3	72.0	73.0	75.0	75.3	76.0	76.3	76.3	77.0	77.3	77.3	77.3	77.7	77.7	77.7	78.0
IV 2500	71.7	73.3	74.7	76.7	77.3	78.0	78.3	78.3	79.0	79.3	79.3	79.3	79.7	79.7	79.7	80.0
IV 2000	73.0	74.7	76.0	78.3	79.0	79.7	80.0	80.0	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.7
IV 1800	73.0	74.7	76.0	78.3	79.0	79.7	80.0	80.0	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.7
IV 1500	74.0	76.0	77.3	80.7	81.7	82.3	82.7	82.7	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.3
IV 1200	74.3	76.3	77.7	81.0	82.0	82.7	83.0	83.0	83.7	84.0	84.0	84.0	84.3	84.3	84.3	84.7
IV 1000	74.7	77.0	78.3	81.7	82.7	83.3	83.7	83.7	84.3	84.7	84.7	84.7	85.0	85.0	85.0	85.3
IV 900	75.3	77.7	79.0	82.3	83.3	84.0	84.3	84.3	85.0	85.3	85.3	85.3	85.7	85.7	85.7	86.0
IV 800	75.3	77.7	79.0	82.7	83.7	84.3	84.7	84.7	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.3
IV 700	75.3	78.0	80.0	83.7	84.7	85.3	85.7	85.7	86.3	86.7	86.7	86.7	87.0	87.0	87.0	87.3
IV 600	75.7	78.3	80.7	84.7	85.7	86.3	86.7	86.7	87.3	87.7	87.7	87.7	88.0	88.0	88.0	88.3
IV 500	76.0	79.0	81.3	85.7	86.7	87.7	88.0	88.3	89.0	89.3	89.3	89.3	89.7	89.7	89.7	90.0
IV 400	76.0	79.3	81.7	86.7	87.7	89.0	90.0	91.0	91.7	92.0	92.0	92.0	92.3	92.3	92.3	92.7
IV 300	76.0	79.7	82.7	88.0	89.0	90.3	92.0	92.3	93.0	94.0	94.0	94.0	94.7	94.7	94.7	95.0
IV 200	76.0	79.7	82.7	88.3	89.3	91.0	92.7	93.0	94.0	95.0	95.0	95.0	96.0	96.0	96.0	96.7
IV 100	76.0	79.7	82.7	88.3	89.3	91.0	92.7	93.0	94.0	95.0	95.0	95.0	96.0	96.0	97.3	98.0
IV 0	75.0	79.7	82.7	86.3	89.3	91.0	92.7	93.0	94.0	95.0	95.0	95.0	96.3	96.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WEYMOUTH, MA
STATION NAME72-82
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		40.7	41.7	42.0	43.7	44.0	44.3	44.7	44.7	45.3	45.3	45.3	45.7	45.7	46.0	46.3
IV 20000		42.0	43.7	44.0	45.7	46.0	46.3	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.3	48.7
IV 18000		42.0	43.7	44.0	45.7	46.0	46.3	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.3	48.7
IV 16000		42.0	43.7	44.0	45.7	46.0	46.3	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.3	48.7
IV 14000		42.0	43.7	44.0	45.7	46.0	46.3	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.3	48.7
IV 12000		42.0	43.7	44.0	45.7	46.0	46.3	46.7	47.0	47.0	47.7	47.7	48.7	48.7	49.0	49.3
IV 10000		46.7	48.3	48.7	50.3	50.7	51.3	52.0	52.7	52.7	52.7	52.7	54.0	54.0	54.3	54.7
IV 9000		47.7	48.7	49.7	51.3	51.7	52.3	53.0	53.0	53.7	53.7	53.7	55.0	55.0	55.3	55.7
IV 8000		50.7	52.3	53.3	55.0	55.3	56.0	56.7	56.7	57.3	57.3	57.3	58.7	58.7	59.0	59.3
IV 7000		52.3	54.0	55.0	56.7	57.0	57.7	58.3	58.3	59.0	59.0	59.0	60.3	60.3	60.7	61.0
IV 6000		53.3	55.0	56.0	57.7	58.0	58.7	59.7	59.7	60.3	60.3	60.3	61.7	61.7	62.0	62.3
IV 5000		56.7	58.3	59.3	61.0	61.3	62.0	63.0	63.0	63.7	63.7	63.7	65.0	65.0	65.3	65.7
IV 4500		58.0	59.7	60.7	62.3	62.7	63.3	64.3	64.3	65.0	65.0	65.0	66.3	66.3	66.7	67.0
IV 4000		61.0	62.7	64.0	65.7	66.0	66.7	67.7	67.7	68.3	68.7	68.7	70.0	70.0	70.3	70.7
IV 3500		62.3	64.3	65.3	67.0	67.7	68.3	69.3	69.3	70.0	70.3	70.3	71.7	71.7	72.0	72.3
IV 3000		64.7	66.7	67.7	69.3	70.0	70.7	71.7	71.7	72.3	72.7	72.7	74.0	74.0	74.3	74.7
IV 2500		65.7	67.7	69.7	70.7	71.3	72.0	73.3	73.3	74.0	74.3	74.3	75.7	75.7	76.0	76.3
IV 2000		66.0	68.0	69.3	71.3	72.0	72.7	74.0	74.0	74.7	75.0	75.0	76.3	76.3	76.7	77.0
IV 1800		66.7	68.7	70.0	72.0	72.7	73.3	74.7	74.7	75.3	75.7	75.7	77.0	77.0	77.3	77.7
IV 1500		70.0	72.3	74.0	76.0	76.7	77.3	79.0	79.0	79.7	79.7	80.0	81.3	81.3	81.7	82.0
IV 1200		70.0	72.3	74.3	76.3	77.0	77.7	79.3	79.3	80.0	80.3	80.3	81.7	81.7	82.0	82.3
IV 1000		70.3	73.0	75.0	77.0	77.7	78.7	80.3	80.3	81.0	81.7	81.7	83.0	83.0	83.3	83.7
IV 900		70.3	73.0	75.0	77.0	77.7	78.7	80.3	80.7	81.3	82.0	82.0	83.3	83.3	83.7	84.0
IV 800		70.7	73.3	75.3	77.7	78.3	79.3	81.3	81.7	82.7	83.3	83.3	84.7	84.7	85.0	85.3
IV 700		70.7	74.0	76.0	78.3	79.0	80.0	82.3	82.7	83.7	84.3	84.3	85.7	85.7	86.0	86.3
IV 600		70.7	74.0	76.0	78.7	79.3	81.0	83.3	83.7	85.0	85.7	85.7	87.0	87.0	87.3	87.7
IV 500		70.7	74.0	76.3	79.7	80.3	83.0	86.3	86.7	88.0	89.0	89.0	90.3	90.3	90.7	91.0
IV 400		70.7	74.0	76.3	79.7	80.3	83.0	86.7	87.0	88.7	89.3	90.3	91.7	91.7	92.0	92.3
IV 300		70.7	74.0	76.7	80.0	80.7	83.3	87.3	87.7	89.3	92.0	92.0	93.3	93.3	93.7	94.0
IV 200		70.7	74.0	76.7	80.0	80.7	83.3	87.7	88.0	89.7	92.7	92.7	94.3	94.3	95.0	95.7
IV 100		70.7	74.0	76.7	80.0	80.7	83.3	87.7	88.0	89.7	93.0	93.0	95.3	95.3	96.7	98.7
IV 0		70.7	74.0	76.7	80.0	80.7	83.3	87.7	88.0	89.7	93.0	93.0	95.3	95.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1470
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-02
YEARS

NOV
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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.7	44.3	46.7	46.3	46.7	46.7	46.7	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.7	46.7	47.7	48.3	48.7	48.7	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	1.7	46.7	47.7	48.3	48.7	48.7	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	1.7	46.7	47.7	48.3	48.7	48.7	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	1.7	46.3	48.0	48.7	49.3	49.3	49.3	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	1.7	46.7	48.3	49.0	49.7	49.7	49.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	1.7	48.3	50.0	50.7	51.3	51.3	51.3	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000	1.7	49.3	51.0	52.0	52.7	52.7	52.7	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000	1.7	54.3	56.3	57.7	58.3	58.3	58.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	1.7	55.7	57.7	59.0	60.0	60.0	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	1.7	52.3	60.3	61.7	62.7	62.7	62.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	1.7	60.7	62.7	64.3	65.3	65.3	65.3	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4500	1.7	62.7	64.0	65.7	66.7	66.7	66.7	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	1.7	64.0	66.0	67.7	69.0	69.0	69.0	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3500	1.7	65.3	67.7	69.3	70.7	70.7	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	1.7	67.0	69.7	71.3	72.7	72.7	72.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	1.7	68.3	71.0	72.7	74.0	74.0	74.3	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2000	1.7	69.3	73.3	75.0	76.3	76.3	76.7	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	1.7	70.3	74.3	76.0	77.3	77.3	77.7	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	1.7	72.0	76.0	77.7	79.0	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	1.7	73.7	77.0	78.7	80.3	80.3	80.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	1.7	73.7	78.3	80.0	81.7	81.7	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 900	1.7	73.7	78.3	80.0	81.7	81.7	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800	1.7	73.7	78.7	80.7	82.7	82.7	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7
IV 700	1.7	73.7	79.0	81.7	83.7	83.7	85.7	86.3	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0
IV 600	1.7	73.7	79.0	81.7	83.7	83.7	85.7	86.7	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7
IV 500	1.7	74.0	79.3	82.0	84.0	84.7	87.0	88.7	89.7	90.7	91.0	91.0	91.0	91.3	91.3	91.3
IV 400	1.7	74.0	79.7	82.3	84.7	85.3	87.7	89.3	90.3	91.3	92.0	92.0	92.0	92.7	93.0	93.3
IV 300	1.7	74.0	79.7	82.7	85.0	85.7	88.3	90.7	92.0	93.0	94.0	94.7	95.3	95.3	95.7	95.7
IV 200	1.7	74.0	79.7	82.7	85.0	85.7	88.3	90.7	92.0	93.0	94.3	95.0	96.3	97.0	97.3	97.3
IV 100	1.7	74.0	79.7	82.7	85.0	85.7	88.3	90.7	92.0	93.0	94.3	95.0	96.7	97.3	98.3	99.3
IV 0	1.7	74.0	79.7	82.7	85.0	85.7	88.3	90.7	92.0	93.0	94.3	95.0	96.7	97.3	98.3	99.3

TOTAL NUMBER OF OBSERVATIONS

330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147-00
STATIONSOUTH WYOMOUTH, MA
STATION NAME73-00
YEARNCV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.B.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	1.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	1.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	1.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	1.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	1.7	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	52.3
IV 10000	2.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 9000	2.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 8000	2.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 7000	2.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	2.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 5000	2.3	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	2.3	64.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	2.3	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	2.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3000	2.3	75.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2500	2.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	2.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1800	2.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1500	2.3	82.0	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	2.3	83.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1000	2.3	83.3	86.0	86.7	87.0	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	2.3	83.3	86.0	86.7	87.0	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	2.3	83.3	86.3	87.7	88.0	88.7	89.3	89.3	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
IV 700	2.3	84.0	87.3	89.7	90.0	91.0	91.7	91.7	92.0	92.3	92.3	92.3	92.7	93.0	93.0	93.0
IV 600	2.3	84.0	87.3	90.0	90.3	91.3	92.0	92.0	92.3	92.7	93.0	93.3	93.3	93.3	93.3	93.3
IV 500	2.3	84.0	87.7	90.3	90.7	91.7	93.0	93.3	94.0	94.7	95.0	95.3	95.3	95.3	95.3	95.3
IV 400	2.3	84.0	88.0	91.0	91.0	92.7	94.3	94.7	95.3	96.3	97.0	97.3	97.7	97.7	97.7	97.7
IV 300	2.3	84.0	88.0	91.0	91.7	92.7	94.3	94.7	95.7	96.7	97.0	98.3	98.7	98.7	98.7	98.7
IV 200	2.3	84.0	88.0	91.0	91.7	92.7	94.3	94.7	96.3	97.3	97.7	99.0	99.3	99.3	99.3	99.3
IV 100	2.3	84.0	88.0	91.0	91.7	92.7	94.3	94.7	96.3	97.3	97.7	99.0	99.3	99.3	100.0	100.0
IV 0	2.3	84.0	88.0	91.0	91.7	92.7	94.3	94.7	96.3	97.3	97.7	99.0	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147-0

SOUTH WYOMOUTH, MA

73-02

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	2.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	2.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	2.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	2.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	2.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 10000	2.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 9000	2.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 8000	2.7	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 7000	2.7	60.7	61.3	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	2.7	62.0	63.0	63.3	63.3	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	2.7	64.3	65.3	65.7	65.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 4500	2.7	66.3	67.7	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4000	2.7	70.0	71.3	71.7	71.7	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	2.7	72.0	73.3	73.7	73.7	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7
IV 3000	2.7	76.7	78.0	78.3	78.3	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3
IV 2500	2.7	78.3	79.7	80.0	80.0	80.3	80.3	80.3	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0
IV 2000	2.7	81.3	83.0	83.3	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3
IV 1800	2.7	81.7	83.3	83.7	84.0	84.3	84.3	84.3	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0
IV 1500	2.7	83.7	85.7	86.0	86.3	86.7	87.0	87.0	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7
IV 1200	2.7	83.7	86.3	86.7	87.0	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3
IV 1000	2.7	84.3	87.0	87.3	88.3	88.7	89.3	89.3	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
IV 900	2.7	84.3	87.0	87.3	88.3	88.7	89.3	89.3	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
IV 800	2.7	85.3	88.0	88.7	90.3	90.7	91.3	91.3	91.7	92.0	92.0	92.0	92.3	92.3	92.3	92.3
IV 700	2.7	85.3	88.0	89.0	90.7	91.0	91.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7
IV 600	2.7	85.3	88.0	89.0	91.0	91.3	92.0	92.3	93.0	93.3	93.3	93.3	93.7	93.7	94.0	94.0
IV 500	2.7	85.3	88.0	89.3	91.7	92.0	93.3	93.7	94.3	95.0	95.7	95.7	96.0	96.0	96.0	96.0
IV 400	2.7	85.3	88.0	89.3	92.0	92.3	94.0	94.7	95.7	97.0	97.7	97.7	98.0	98.3	98.3	98.3
IV 300	2.7	85.3	88.0	89.3	92.0	92.3	94.0	94.7	95.7	97.0	97.7	97.7	98.3	98.7	98.7	98.7
IV 200	2.7	85.3	89.0	89.3	92.0	92.3	94.0	95.0	96.0	98.0	99.0	99.0	99.7	100.0	100.0	100.0
IV 100	2.7	85.3	89.0	89.3	92.0	92.3	94.0	95.0	96.0	98.0	99.0	99.0	99.7	100.0	100.0	100.0
IV 0	2.7	85.3	89.0	89.3	92.0	92.3	94.0	95.0	96.0	98.0	99.0	99.0	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14710
STATIONSOUTH MEYMOUTH, MA
STATION NAME73-12
YEARNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		49.3	50.0	50.0	50.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3
≥ 20000		53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.0
≥ 18000		53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.0
≥ 16000		53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.0
≥ 14000		53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.0
≥ 12000		55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.0
≥ 10000		60.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.0
≥ 9000		61.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.0
≥ 8000		62.7	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.0
≥ 7000		64.7	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0
≥ 6000		66.7	68.3	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.7
≥ 5000		70.3	72.0	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.3
≥ 4500		72.3	74.0	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3
≥ 4000		73.7	75.3	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.0
≥ 3500		75.3	77.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.7
≥ 3000		77.7	79.3	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7
≥ 2500		79.3	81.0	81.7	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 2000		79.7	82.0	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7
≥ 1800		79.7	82.0	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7
≥ 1500		80.0	82.3	84.3	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3
≥ 1200		81.0	83.7	85.7	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 1000		81.7	84.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	89.0
≥ 900		82.0	85.0	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.3
≥ 800		82.7	85.7	88.0	89.3	89.3	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.7	91.0
≥ 700		82.7	85.7	88.0	89.3	89.3	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.7	90.7	91.0
≥ 600		82.7	85.7	88.0	89.7	90.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.7	91.7	92.0
≥ 500		82.7	86.0	88.7	90.7	91.0	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.7
≥ 400		83.0	86.3	89.0	91.7	92.3	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0
≥ 300		83.0	86.3	89.3	92.0	92.7	94.7	96.0	96.3	96.7	96.7	96.7	96.7	97.0	97.0	97.3
≥ 200		83.0	86.3	89.3	92.3	93.0	95.0	96.7	97.0	97.3	97.3	97.3	97.3	97.7	97.7	98.0
≥ 100		83.0	86.3	89.3	92.3	93.0	95.0	96.7	97.0	97.3	97.3	97.3	97.3	97.7	97.7	98.0
0		83.0	86.3	89.3	92.3	93.0	95.0	96.7	97.0	97.3	97.3	97.3	97.3	98.0	98.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

SOUTH WAYMOUTH, MA
STATION NAME

72-42
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	40.0	48.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7	50.0	50.3	50.3
≥ 20000		47.7	49.0	49.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	51.0	51.3	51.3
≥ 18000		47.7	49.0	49.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	51.0	51.3	51.3
≥ 16000		47.7	49.0	49.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	51.0	51.3	51.3
≥ 14000		48.0	49.3	49.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.3	51.7	51.7
≥ 12000		48.7	50.0	50.3	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	52.0	52.3	52.3
≥ 10000		52.3	53.7	54.0	55.0	55.0	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.7	56.0	56.0
≥ 9000		53.7	55.0	55.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.0	57.0	57.3	57.7	57.7
≥ 8000		57.7	59.3	60.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.7	62.0	62.3	62.3
≥ 7000		59.3	61.0	61.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.3	63.7	64.0	64.0
≥ 6000		63.0	65.0	65.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.3	67.7	68.0	68.0
≥ 5000		66.0	68.0	69.0	70.0	70.0	70.0	70.0	70.3	70.7	70.7	70.7	71.0	71.3	71.7	71.7
≥ 4500		67.3	69.3	70.3	71.7	71.7	71.7	72.0	72.0	72.3	72.3	72.3	72.7	73.0	73.3	73.3
≥ 4000		69.7	71.3	72.3	73.7	73.7	73.7	74.0	74.0	74.3	74.3	74.3	74.7	75.0	75.3	75.3
≥ 3500		70.7	73.0	74.0	75.3	75.3	75.3	75.7	75.7	76.0	76.0	76.0	76.3	76.7	77.0	77.0
≥ 3000		72.3	75.0	76.3	78.0	78.0	78.0	78.3	78.3	78.7	78.7	78.7	79.0	79.3	79.7	79.7
≥ 2500		73.0	76.3	77.7	79.3	79.3	79.7	80.0	80.0	80.3	80.3	80.3	80.7	81.0	81.3	81.3
≥ 2000		74.3	77.3	79.7	81.7	81.7	82.0	82.3	82.3	82.7	82.7	82.7	83.0	83.3	83.7	83.7
≥ 1800		75.0	79.0	80.3	82.3	82.3	82.7	83.0	83.0	83.3	83.3	83.3	83.7	84.0	84.3	84.3
≥ 1500		75.0	79.3	80.7	82.7	82.7	83.0	83.3	83.3	83.7	83.7	83.7	84.0	84.3	84.7	84.7
≥ 1200		75.3	79.7	81.0	83.0	83.0	83.3	83.7	83.7	84.0	84.0	84.0	84.3	84.7	85.0	85.0
≥ 1000		76.3	81.0	82.3	84.3	84.3	85.0	85.3	85.3	85.7	85.7	85.7	86.0	86.3	86.7	86.7
≥ 900		76.3	81.7	82.3	84.3	84.3	85.0	85.3	85.3	85.7	85.7	85.7	86.0	86.3	86.7	86.7
≥ 800		76.7	82.0	83.3	85.3	85.3	86.0	86.3	86.3	86.7	86.7	86.7	87.0	87.3	87.7	87.7
≥ 700		76.7	82.0	83.7	86.0	86.0	86.7	87.0	87.0	87.3	87.3	87.3	87.7	88.0	88.3	88.3
≥ 600		77.0	82.3	84.7	87.0	87.0	88.0	88.3	88.3	88.7	88.7	88.7	89.0	89.3	89.7	89.7
≥ 500		77.0	82.3	85.0	87.7	88.0	89.3	89.7	89.7	90.0	90.0	90.0	90.3	90.7	91.0	91.0
≥ 400		77.0	83.3	86.0	89.0	89.3	91.0	91.7	91.7	92.7	92.7	92.7	93.0	93.3	93.7	93.7
≥ 300		77.0	83.3	86.3	89.7	90.3	92.0	92.7	92.7	93.7	94.0	94.0	94.7	95.0	95.3	95.3
≥ 200		77.0	83.3	86.3	89.7	90.3	92.3	93.0	93.3	95.0	95.7	95.7	97.0	97.3	98.0	98.0
≥ 100		77.0	83.3	86.3	89.7	90.3	92.3	93.0	93.3	95.0	95.7	95.7	97.0	97.3	98.3	98.3
≥ 0		77.0	83.3	86.3	89.7	90.3	92.3	93.0	93.3	95.0	95.7	95.7	97.3	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14731
STATIONSOUTH WYNDOUTH, MS
STATION NAME73-82
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & P)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	46.2	47.2	47.4	47.5	48.0	49.1	49.3	49.4	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9
IV 20000	49.1	50.1	50.3	50.9	50.9	51.1	51.2	51.3	51.5	51.6	51.6	51.6	51.8	51.8	52.0	52.0
IV 18000	49.1	50.1	50.3	50.9	50.9	51.1	51.2	51.3	51.5	51.6	51.6	51.6	51.8	51.8	52.0	52.0
IV 16000	49.1	50.1	50.3	50.9	50.9	51.1	51.2	51.3	51.5	51.6	51.6	51.6	51.8	51.8	52.0	52.0
IV 14000	49.1	50.1	50.3	50.9	50.9	51.1	51.2	51.3	51.5	51.6	51.6	51.6	51.8	51.8	52.0	52.0
IV 12000	49.1	50.1	50.3	50.9	50.9	51.1	51.2	51.3	51.5	51.6	51.6	51.6	51.8	51.8	52.0	52.0
IV 10000	53.8	54.9	55.1	55.8	55.9	56.1	56.3	56.4	56.6	56.7	56.7	56.7	56.9	57.0	57.1	57.2
IV 9000	54.6	55.8	56.2	56.8	56.9	57.1	57.2	57.5	57.7	57.8	57.8	57.8	58.0	58.0	58.2	58.3
IV 8000	57.9	59.2	59.8	60.4	60.5	60.8	61.0	61.1	61.3	61.4	61.4	61.6	61.7	61.8	61.8	61.8
IV 7000	59.1	60.6	61.2	61.9	62.0	62.2	62.4	62.5	62.8	62.8	62.8	63.1	63.1	63.1	63.3	63.3
IV 6000	61.4	62.8	63.4	64.1	64.2	64.5	64.8	64.9	65.1	65.2	65.2	65.4	65.5	65.6	65.6	65.6
IV 5000	64.1	65.7	66.4	67.1	67.2	67.5	67.8	67.9	68.1	68.2	68.2	68.5	68.5	68.7	68.8	68.8
IV 4500	65.5	67.2	67.9	68.6	68.7	69.0	69.3	69.5	69.7	69.8	69.8	70.0	70.1	70.3	70.3	70.3
IV 4000	67.7	69.4	70.2	71.0	71.1	71.4	71.7	71.8	72.0	72.2	72.2	72.5	72.5	72.7	72.8	72.8
IV 3500	69.3	71.1	71.9	72.7	72.8	73.1	73.5	73.6	73.9	73.9	73.9	74.3	74.3	74.5	74.5	74.5
IV 3000	72.2	74.1	75.1	76.0	76.2	76.5	76.8	76.9	77.1	77.3	77.3	77.6	77.6	77.8	77.9	77.9
IV 2500	73.4	75.5	76.6	77.5	77.8	78.1	78.5	78.6	78.6	79.0	79.0	79.3	79.3	79.5	79.6	79.6
IV 2000	74.6	77.3	78.5	79.5	79.7	80.1	80.5	80.6	80.8	80.9	80.9	81.3	81.3	81.5	81.6	81.6
IV 1800	75.2	77.7	78.8	79.9	80.1	80.5	80.9	81.0	81.2	81.3	81.3	81.7	81.7	81.9	82.0	82.0
IV 1500	76.5	79.2	80.4	81.6	81.9	82.4	82.8	82.9	83.1	83.3	83.3	83.6	83.6	83.8	83.9	83.9
IV 1200	76.9	79.8	81.1	82.4	82.7	83.2	83.6	83.9	84.0	84.1	84.1	84.4	84.4	84.7	84.8	84.8
IV 1000	77.5	80.8	82.1	83.7	84.0	84.8	85.3	85.4	85.6	85.8	85.8	86.2	86.2	86.4	86.5	86.5
IV 900	77.6	80.9	82.3	83.8	84.2	85.0	85.4	85.6	85.8	86.0	86.0	86.4	86.5	86.7	86.8	86.8
IV 800	77.9	81.4	83.0	84.8	85.2	86.1	86.6	86.9	87.2	87.4	87.4	87.8	87.9	88.1	88.2	88.2
IV 700	78.0	81.8	83.8	85.6	86.1	87.1	87.6	87.9	88.3	88.5	88.6	89.0	89.0	89.3	89.3	89.3
IV 600	78.1	81.8	84.0	86.1	86.6	87.8	88.5	88.8	89.3	89.5	89.6	90.0	90.0	90.3	90.3	90.3
IV 500	78.2	82.1	84.5	86.9	87.5	89.2	90.1	90.6	91.3	91.7	91.7	92.1	92.2	92.4	92.5	92.5
IV 400	78.3	82.4	84.9	87.7	88.3	90.2	91.5	92.1	93.0	93.6	93.6	94.1	94.2	94.5	94.5	94.5
IV 300	78.3	82.5	85.3	88.1	88.8	90.8	92.3	92.9	93.9	94.9	95.0	95.6	95.7	96.0	96.0	96.0
IV 200	78.3	82.5	85.3	88.3	89.0	91.1	92.7	93.5	94.7	95.8	96.0	96.8	97.0	97.5	97.6	97.6
IV 100	78.3	82.5	85.3	88.3	89.0	91.1	92.8	93.5	94.8	96.0	96.1	97.3	97.5	98.5	99.0	99.0
IV 0	78.3	82.5	85.3	88.3	89.0	91.1	92.8	93.5	94.8	96.0	96.1	97.3	97.6	98.7	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1475
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
YEARSDEC
MONTHPERCENTAGE 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	47.0	49.4	49.4	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3
≥ 20000	50.3	51.6	51.6	51.6	51.9	51.9	52.6	52.6	52.6	52.9	52.9	52.9	52.9	52.9	53.2	53.2
IV 18000	50.3	51.6	51.6	51.6	51.9	51.9	52.6	52.6	52.6	52.9	52.9	52.9	52.9	52.9	53.2	53.2
IV 16000	50.3	51.6	51.6	51.6	51.9	51.9	52.6	52.6	52.6	52.9	52.9	52.9	52.9	52.9	53.2	53.2
IV 14000	50.3	51.6	51.6	51.6	51.9	51.9	52.6	52.6	52.6	52.9	52.9	52.9	52.9	52.9	53.2	53.2
IV 12000	50.3	51.6	51.6	52.3	52.3	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.6	53.6
IV 10000	52.6	53.9	53.9	54.5	54.5	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.8	55.8
IV 9000	54.5	55.8	55.8	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.7	57.7
IV 8000	56.5	58.1	58.1	58.7	58.7	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0
IV 7000	58.4	60.0	60.0	60.7	60.7	61.3	61.3	61.7	61.6	61.6	61.6	61.6	61.6	61.6	61.9	61.9
IV 6000	60.7	61.9	61.9	62.6	62.6	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.9	63.9
IV 5000	61.9	63.9	63.9	64.5	64.5	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.8	65.8
IV 4500	65.2	67.4	67.4	68.1	68.1	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.4	69.4
IV 4000	66.8	69.0	69.0	70.0	70.0	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.3	71.3
IV 3500	68.1	70.3	70.3	71.3	71.3	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
IV 3000	70.7	73.2	73.2	74.2	74.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8
IV 2500	72.3	74.8	74.8	75.8	75.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.4	77.4
IV 2000	73.9	76.8	76.8	77.7	77.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.4	79.4
IV 1800	74.5	77.4	77.4	78.7	78.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
IV 1500	76.5	79.4	79.4	81.0	81.0	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6
IV 1200	77.7	80.7	81.3	83.2	83.2	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.2
IV 1000	78.4	81.6	82.3	84.2	84.2	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.1
IV 900	78.7	81.6	82.3	84.5	84.5	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5
IV 800	79.7	82.3	82.9	85.5	85.5	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1
IV 700	78.7	82.3	83.6	86.1	86.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7
IV 600	79.7	82.3	83.6	86.5	86.5	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
IV 500	79.7	83.2	84.8	88.4	88.4	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 400	79.7	83.2	84.8	88.4	88.4	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6
IV 300	79.7	83.2	85.2	89.4	89.4	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
IV 200	79.4	83.6	85.8	90.0	90.0	93.2	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
IV 100	79.4	83.6	85.8	90.0	90.0	93.2	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
IV 0	79.4	83.6	85.8	90.0	90.0	93.2	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1977
STATIONSOUTH WYOMOUTH, MA
STATION NAME77-02
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)74
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.7	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	51.7	51.6	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	52.6
≥ 18000	51.7	51.6	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	52.6
≥ 16000	51.7	51.6	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	52.6
≥ 14000	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.2
≥ 12000	52.4	53.2	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	54.2
≥ 10000	55.2	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.8
≥ 9000	56.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
≥ 8000	59.4	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
≥ 7000	61.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6
≥ 6000	61.7	61.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.9
≥ 5000	62.4	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.5
≥ 4500	63.7	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.8	65.8	65.8	65.8	65.8	66.1
≥ 4000	67.4	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.7
≥ 3500	69.4	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.9
≥ 3000	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.8
≥ 2500	74.5	75.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	78.1
≥ 2000	75.5	76.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	79.0
≥ 1800	75.5	76.8	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	79.0
≥ 1500	77.7	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.9
≥ 1200	79.4	80.0	81.3	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.9
≥ 1000	80.0	81.6	82.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.8
≥ 900	80.0	81.6	82.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.8
≥ 800	80.3	82.3	83.9	84.5	84.8	84.8	85.5	85.5	85.5	85.5	86.5	86.5	86.5	86.5	86.5	86.8
≥ 700	80.7	82.9	84.5	85.2	85.5	85.5	86.1	86.1	86.1	86.1	87.1	87.1	87.1	87.1	87.1	87.4
≥ 600	80.7	82.9	84.8	85.5	86.1	86.1	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.4
≥ 500	80.7	83.2	85.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	89.0	89.4	89.4	89.4	89.7	90.0
≥ 400	81.0	87.8	85.5	86.5	87.7	88.7	89.4	89.4	89.4	89.4	90.7	91.0	91.0	91.0	91.3	91.6
≥ 300	81.0	83.6	85.8	86.5	87.7	88.7	89.4	89.4	89.4	89.4	91.3	91.9	92.6	92.9	92.9	93.2
≥ 200	81.0	83.6	85.8	87.1	88.4	89.7	90.7	91.0	91.0	91.0	93.9	94.8	95.5	95.8	95.8	96.1
≥ 100	81.0	83.6	85.8	87.1	88.4	89.7	90.7	91.0	91.0	91.0	94.5	95.5	96.1	96.5	96.5	97.1
≥ 0	81.0	83.6	85.8	87.1	88.4	89.7	90.7	91.0	91.0	91.0	94.5	95.5	96.1	96.5	96.5	97.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
IN 73-51STATION NAME
SOUTH WEYMOUTH, MA

73-51

YEARS

MONTH

17

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	≥ 3/16	≥ ¼	≥ 0
NO CEILING		45.9	46.5	46.8	46.8	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.4	47.4	47.4	47.4
≥ 20000		47.4	50.0	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.3
≥ 18000		47.4	50.0	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.3
≥ 16000		47.4	50.0	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.3
≥ 14000		47.7	50.3	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.6
≥ 12000		49.0	51.6	51.9	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.6	52.6	52.6	52.9
≥ 10000		51.2	54.5	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.8	55.8	55.8	56.1
≥ 9000		52.0	55.5	55.8	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.8	56.8	56.8	57.1
≥ 8000		55.2	58.4	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	60.0
≥ 7000		58.4	61.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	62.3	62.3	62.3	62.6
≥ 6000		59.7	61.6	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9	63.2
≥ 5000		60.7	63.2	63.6	63.6	63.6	64.2	64.5	64.5	64.5	64.5	64.5	64.8	64.8	65.2	65.5
≥ 4500		61.7	64.2	64.2	64.2	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.8	65.8	66.1	66.5
≥ 4000		62.6	65.2	66.1	66.1	66.1	66.8	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.1	68.4
≥ 3500		63.6	66.1	67.4	67.4	67.4	68.1	68.7	68.7	69.0	69.0	69.0	69.4	69.4	69.7	70.0
≥ 3000		66.5	70.0	71.3	71.6	71.6	72.6	73.2	73.2	73.6	73.9	73.9	74.2	74.2	74.5	74.8
≥ 2500		67.7	71.3	72.6	72.9	72.9	73.9	74.5	74.5	74.8	75.2	75.2	75.5	75.5	75.8	76.1
≥ 2000		70.3	73.9	75.2	75.5	75.5	76.5	77.1	77.1	77.4	77.7	77.7	78.1	78.1	78.4	78.7
≥ 1800		71.4	75.2	76.5	76.8	76.8	77.7	78.4	78.4	78.7	79.0	79.0	79.4	79.4	79.7	80.0
≥ 1500		72.9	77.1	79.0	79.4	79.4	80.3	81.0	81.0	81.3	81.6	81.6	81.9	81.9	82.3	82.6
≥ 1200		73.6	78.1	80.0	80.3	80.3	81.3	81.9	81.9	82.3	82.6	82.6	82.9	82.9	83.2	83.6
≥ 1000		74.5	79.0	81.0	81.3	81.3	82.6	83.2	83.2	83.6	83.9	83.9	84.2	84.2	84.5	84.8
≥ 900		74.5	79.4	81.3	81.6	81.6	82.9	83.9	83.9	84.2	84.5	84.5	84.8	84.8	85.2	85.5
≥ 800		75.2	80.3	82.3	82.6	82.6	84.2	85.2	85.2	85.5	85.8	85.8	86.1	86.1	86.5	86.8
≥ 700		75.5	81.0	82.9	83.2	83.2	84.9	85.5	85.5	85.8	86.1	86.1	86.5	86.5	86.8	87.1
≥ 600		75.5	81.0	82.9	83.6	83.6	85.2	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 500		75.5	81.3	83.2	84.2	84.2	85.2	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 400		75.5	81.3	83.2	84.2	84.2	85.2	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 300		75.5	81.3	83.6	84.5	84.5	85.5	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 200		75.5	81.3	83.6	84.5	84.5	85.5	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 100		75.5	81.3	83.6	84.5	84.5	85.5	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8
≥ 0		75.5	81.3	83.6	84.5	84.5	85.5	86.1	86.1	86.4	86.8	86.8	87.1	87.1	87.5	87.8

TOTAL NUMBER OF OBSERVATIONS 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147

STATION NAME
STATION 147

77-07

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	42.5	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	1.0	46.5	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000	1.0	47.1	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	1.0	47.1	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	1.0	47.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	1.0	50.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	1.0	54.2	55.5	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	1.0	56.1	57.4	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	1.0	59.4	61.7	61.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	1.0	61.6	62.9	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	1.0	62.6	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	1.0	63.6	64.8	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	1.0	64.2	65.5	66.5	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	1.0	66.5	67.7	69.0	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	1.0	68.7	70.3	71.9	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3000	1.0	71.0	72.6	74.2	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	1.0	71.3	73.6	75.2	75.5	75.8	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	1.0	72.3	74.5	76.5	76.8	77.1	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	1.0	72.3	74.5	76.5	76.8	77.1	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	1.0	73.2	75.8	78.1	78.4	78.7	79.0	79.4	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	1.0	73.6	76.1	78.4	78.7	79.0	79.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	81.0	81.0
≥ 1000	1.0	74.5	77.7	80.3	80.7	81.0	81.9	82.6	82.9	83.6	83.9	83.9	83.9	83.9	84.2	84.2
≥ 900	1.0	74.8	78.1	80.7	81.0	81.3	82.3	82.9	83.7	83.9	84.2	84.2	84.2	84.2	84.5	84.5
≥ 800	1.0	75.5	79.0	81.9	82.6	82.9	83.9	84.8	85.2	86.1	86.5	86.5	86.5	86.5	86.8	86.8
≥ 700	1.0	75.5	79.4	82.3	82.9	83.2	84.2	85.5	86.1	87.4	87.7	87.7	87.7	87.7	88.1	88.1
≥ 600	1.0	75.6	79.7	82.6	83.2	83.9	84.8	86.1	87.1	88.7	89.0	89.0	89.0	89.4	89.4	89.7
≥ 500	1.0	75.8	79.7	82.9	83.6	84.2	85.2	87.1	88.4	90.3	90.7	90.7	91.3	91.3	91.6	91.6
≥ 400	1.0	75.8	79.7	82.9	83.9	84.8	85.8	87.7	89.7	91.6	92.6	92.6	93.2	93.2	93.6	93.6
≥ 300	1.0	75.8	79.7	82.9	84.2	85.2	86.8	88.7	91.0	93.2	94.5	94.5	95.8	95.8	97.1	97.1
≥ 200	1.0	75.8	79.7	82.9	84.2	85.2	86.8	89.7	91.0	93.9	95.5	95.5	96.8	97.1	98.4	98.4
≥ 100	1.0	75.8	79.7	82.9	84.2	85.2	86.8	89.7	91.0	93.9	95.5	95.5	97.1	97.4	99.0	99.7
≥ 0	1.0	75.8	79.7	82.9	84.2	85.2	86.8	89.7	91.0	93.9	95.5	95.5	97.1	97.4	99.0	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147STATION NAME
SOUTH WYOMOUTH, MAYEARS
17-22MONTH
DECHOURS
11PERCENTAGE 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	≥ 0
NO CEILING	2.0	43.6	43.9	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	2.0	44.4	44.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
18000	2.0	44.4	44.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
16000	2.0	44.4	44.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
14000	2.0	44.4	44.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
12000	2.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
10000	2.0	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
9000	2.0	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
8000	2.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
7000	2.0	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
6000	2.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
5000	2.0	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
4500	2.0	67.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
4000	2.0	69.7	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
3500	2.0	70.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
3000	2.0	74.2	74.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
2500	2.0	76.9	77.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2000	2.0	76.9	77.4	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1800	2.0	77.1	77.7	79.7	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1500	2.0	78.1	79.7	80.3	81.0	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1200	2.0	78.4	79.7	81.0	81.6	82.3	82.6	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6
1000	2.0	79.7	81.0	82.6	83.6	84.2	84.5	85.5	85.5	86.5	86.5	86.5	86.5	86.5	86.5
900	2.0	79.7	81.0	82.9	83.9	84.8	85.5	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7
800	2.0	79.7	81.3	83.2	84.8	85.8	86.5	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
700	2.0	80.0	81.6	83.9	86.1	87.4	88.1	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
600	2.0	80.0	81.6	84.2	86.8	88.1	89.0	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9
500	2.0	80.0	81.6	84.5	87.4	88.7	89.7	91.3	91.9	93.2	93.9	93.9	93.9	93.9	93.9
400	2.0	80.0	81.6	84.6	87.7	89.7	91.0	92.6	93.6	95.5	96.5	96.5	96.5	96.5	96.5
300	2.0	80.0	81.6	84.8	87.7	89.7	91.0	92.9	93.9	95.8	96.8	96.8	96.8	96.8	96.8
200	2.0	80.0	81.6	84.8	87.7	89.7	91.0	92.9	93.9	95.8	97.1	97.1	97.1	97.1	97.1
100	2.0	80.0	81.6	84.8	87.7	89.7	91.0	92.9	93.9	95.8	97.1	97.1	97.1	97.1	97.1
0	2.0	80.0	81.6	84.8	87.7	89.7	91.0	92.9	93.9	95.8	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-4

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.7	43.2	42.2	43.2	43.6	43.5	43.1	43.6	43.6	43.4	43.6	43.6	43.6	43.1	43.6	43.6
≥ 20000	1.7	49.4	48.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	1.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 16000	1.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 14000	1.7	51.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 12000	1.7	52.0	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000	2.3	57.1	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	2.3	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	2.3	60.7	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	2.3	61.5	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	2.3	62.5	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	2.3	65.2	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 4500	2.3	65.9	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4000	2.3	65.7	7.3	70.2	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	2.3	71.9	72.9	72.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3000	2.3	73.8	75.8	75.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	2.3	76.5	78.7	78.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2000	2.3	76.3	79.4	79.7	80.7	80.7	81.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	2.3	76.0	79.4	79.7	80.7	80.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	2.3	75.4	81.0	81.3	82.3	82.3	82.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	2.3	78.4	81.3	81.9	82.9	82.9	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	2.3	79.4	82.6	83.2	84.2	84.2	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 900	2.3	79.7	82.9	83.9	84.8	84.8	85.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800	2.3	79.7	82.9	83.9	84.8	84.8	85.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700	2.3	80.0	84.2	85.2	86.5	86.5	87.7	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	2.3	80.0	84.2	85.5	87.1	87.1	88.4	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	2.3	80.7	84.5	85.8	87.4	87.4	89.4	91.3	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	2.3	80.7	84.5	85.8	87.7	87.7	90.3	92.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	2.3	80.7	84.5	85.8	87.7	87.7	90.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	2.3	80.7	84.5	85.8	87.7	87.7	90.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	2.3	80.3	84.5	85.8	87.7	87.7	90.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	2.3	80.3	84.5	85.8	87.7	87.7	90.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SOUTH WYOMOUTH, NC

73-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 18000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 12000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 7000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 5000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 2000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 1200	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 900	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 600	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 300	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 200	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 100	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONSOUTH WYOMOUTH, VA
STATION NAME

73-12

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.1	43.2	40.2	38.7	33.5	30.5	29.5	23.9	20.9	19.9	18.9	18.9	18.9	18.9	18.9
≥ 20000		51.1	51.1	51.5	51.5	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000		50.1	51.1	51.5	51.5	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000		50.1	51.1	51.5	51.5	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000		51.1	51.5	51.8	51.8	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000		52.1	52.4	52.8	52.8	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000		55.3	55.7	56.0	56.0	56.3	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000		56.3	56.3	56.6	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000		59.2	59.9	60.5	60.5	60.8	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000		61.5	62.1	62.2	62.2	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000		62.1	62.8	63.4	63.4	63.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000		65.7	65.3	67.0	67.0	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500		64.9	69.6	70.2	70.2	70.5	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000		71.2	72.2	72.8	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500		72.5	73.5	74.1	74.1	74.4	74.4	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000		74.4	75.4	76.1	76.1	76.4	76.4	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500		75.7	75.7	77.7	78.0	78.3	78.3	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000		77.7	79.0	79.9	80.6	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800		77.7	79.0	79.9	80.6	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500		78.6	80.3	81.9	82.5	83.2	83.2	83.2	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200		79.1	80.6	82.5	83.2	83.8	83.8	84.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000		79.2	81.9	83.8	84.5	85.1	86.1	86.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900		79.6	82.5	84.5	85.1	85.8	86.7	87.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800		79.9	82.9	85.1	85.6	86.4	87.4	88.4	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 700		80.6	83.8	86.1	87.1	88.0	89.0	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 600		80.6	83.6	86.1	87.4	88.4	90.0	91.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500		80.6	83.8	86.1	87.4	88.7	90.3	91.6	92.2	92.6	93.5	93.5	93.5	93.5	93.5	93.5
≥ 400		80.6	83.8	86.1	87.4	88.7	90.3	91.6	92.2	92.6	93.9	93.9	94.2	94.2	94.2	94.2
≥ 300		80.6	83.8	86.1	87.7	89.0	90.6	92.2	93.2	93.5	95.2	95.2	95.8	95.8	95.8	95.8
≥ 200		80.6	83.9	86.4	88.4	89.6	91.6	93.5	94.8	95.8	97.4	97.4	98.4	98.4	98.7	98.7
≥ 100		80.6	83.8	86.4	88.4	89.6	91.6	93.5	94.8	95.8	97.4	97.4	98.4	98.7	99.4	99.7
≥ 0		80.6	83.8	86.4	88.4	89.6	91.6	93.5	94.8	95.8	97.4	97.4	98.4	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

187
STATION

SOUTH WYBOUTH, MA
STATION NAME

73-02
YEARS

DIC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
NOVEMBER

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 4
NO CEILING	45.5	45.3	45.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	49.3	50.1	50.3	50.4	50.4	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
18000	49.5	50.3	50.5	50.6	50.7	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
16000	49.5	50.3	50.5	50.6	50.7	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
14000	49.8	50.6	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
12000	51.2	52.0	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
10000	54.3	55.7	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
9000	56.0	56.9	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
8000	59.0	60.0	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
7000	61.2	62.3	62.6	62.7	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6000	62.0	62.2	63.4	63.6	63.6	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
5000	64.3	65.1	65.5	65.7	65.7	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4500	65.5	66.8	67.3	67.5	67.6	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
4000	68.0	69.4	70.1	70.3	70.4	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
3500	69.8	71.2	72.0	72.3	72.3	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
3000	72.2	73.9	74.7	75.2	75.3	75.5	75.7	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0
2500	74.1	75.8	76.8	77.4	77.5	77.8	77.9	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2000	75.3	77.0	78.2	78.8	78.9	79.3	79.6	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9
1800	75.5	77.4	78.5	79.1	79.3	79.6	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1500	77.0	79.1	80.4	81.1	81.4	81.8	82.2	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
1200	77.5	79.7	81.2	82.1	82.3	82.9	83.3	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
1000	78.5	81.0	82.6	83.5	83.9	84.5	85.2	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
900	78.6	81.3	83.0	83.9	84.3	85.0	85.7	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
800	79.1	82.0	83.8	84.9	85.3	86.2	87.1	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
700	79.3	82.5	84.5	85.8	86.4	87.5	88.4	88.7	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
600	79.3	82.6	84.7	86.2	86.8	88.1	89.1	89.5	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
500	79.4	82.8	85.0	86.8	87.7	89.0	90.4	90.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2
400	79.5	82.9	85.1	87.0	88.1	89.7	91.2	91.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
300	79.5	82.9	85.4	87.5	88.6	90.5	92.4	93.1	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
200	79.5	82.9	85.4	87.5	88.6	90.5	92.4	93.1	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
100	79.5	82.9	85.4	87.5	88.6	90.5	92.4	93.1	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
0	79.5	82.9	85.4	87.5	88.6	90.5	92.4	93.1	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 2472

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

SCOT. W. V. SOUTH, VA

73-82

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	45.5	47.1	48.3	49.1	49.2	49.5	49.7	49.7	49.9	49.9	49.9	50.0	50.0	50.0	50.1
≥ 20000	1.1	49.6	51.4	52.8	53.7	53.9	54.3	54.4	54.5	54.7	54.7	54.8	54.8	54.8	54.9	54.9
IV 18000	1.1	49.7	51.5	52.9	53.8	54.0	54.3	54.5	54.6	54.7	54.8	54.8	54.9	54.9	54.9	55.0
IV 16000	1.1	49.7	51.5	52.9	53.8	54.0	54.3	54.5	54.6	54.8	54.8	54.8	54.9	54.9	55.0	55.0
IV 14000	1.1	50.0	51.8	53.3	54.2	54.3	54.7	54.9	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.4
IV 12000	1.1	51.1	52.0	54.5	55.4	55.6	55.9	56.1	56.2	56.4	56.4	56.4	56.5	56.5	56.6	56.6
IV 10000	1.2	54.3	56.4	57.9	58.9	59.1	59.5	59.7	59.8	60.0	60.0	60.1	60.1	60.1	60.2	60.2
IV 9000	1.2	54.3	57.0	58.5	59.6	59.8	60.1	60.4	60.4	60.6	60.7	60.7	60.8	60.8	60.9	60.9
IV 8000	1.2	57.6	60.0	61.7	62.8	63.0	63.4	63.6	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.2
IV 7000	1.2	59.0	61.4	63.2	64.3	64.5	65.0	65.2	65.3	65.4	65.5	65.5	65.6	65.6	65.7	65.7
IV 6000	1.2	60.2	62.7	64.6	65.8	66.0	66.5	66.7	66.8	67.0	67.1	67.1	67.1	67.2	67.2	67.3
IV 5000	1.2	62.3	64.9	66.9	68.1	68.4	68.9	69.1	69.2	69.4	69.5	69.5	69.6	69.6	69.7	69.7
IV 4500	1.2	63.5	66.2	68.2	69.4	69.7	70.2	70.4	70.5	70.7	70.9	70.9	71.0	71.0	71.0	71.1
IV 4000	1.2	65.5	68.7	70.5	71.8	72.1	72.6	72.9	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.5
IV 3500	1.3	67.0	69.9	72.1	73.5	73.8	74.3	74.6	74.7	74.9	75.0	75.1	75.2	75.2	75.2	75.3
IV 3000	1.3	69.1	72.3	74.6	76.1	76.4	77.1	77.3	77.5	77.7	77.8	77.8	77.9	77.9	78.0	78.0
IV 2500	1.3	70.4	73.8	76.2	77.7	78.1	78.8	79.1	79.2	79.4	79.6	79.6	79.7	79.7	79.7	79.8
IV 2000	1.3	71.6	75.1	77.7	79.3	79.7	80.5	80.8	80.9	81.2	81.3	81.3	81.4	81.4	81.5	81.6
IV 1800	1.3	71.8	75.3	77.9	79.7	80.0	80.8	81.1	81.3	81.5	81.7	81.7	81.8	81.8	81.8	81.9
IV 1500	1.3	72.8	76.6	79.5	81.4	81.8	82.6	83.0	83.2	83.5	83.7	83.7	83.8	83.8	83.8	83.9
IV 1200	1.3	73.3	77.2	80.1	82.1	82.6	83.5	83.9	84.1	84.4	84.5	84.5	84.7	84.7	84.7	84.8
IV 1000	1.3	73.9	78.1	81.2	83.5	84.0	85.1	85.6	85.9	86.2	86.4	86.4	86.5	86.5	86.6	86.7
IV 900	1.3	74.1	78.2	81.4	83.7	84.3	85.4	85.0	86.2	86.6	86.8	86.8	86.9	87.0	87.0	87.1
IV 800	1.3	74.5	78.8	82.3	84.7	85.4	86.7	87.4	87.7	88.2	88.4	88.5	88.6	88.6	88.7	88.8
IV 700	1.3	74.8	79.3	82.9	85.6	86.3	87.6	88.5	88.8	89.4	89.7	89.7	89.9	89.9	89.9	90.0
IV 600	1.3	74.9	79.6	83.3	86.2	87.0	88.5	89.6	90.0	90.6	90.9	90.9	91.1	91.1	91.2	91.3
IV 500	1.3	75.1	79.9	83.9	87.0	88.0	89.9	91.2	91.6	92.4	92.8	92.9	93.2	93.2	93.3	93.3
IV 400	1.3	75.2	80.1	84.2	87.5	88.5	90.7	92.3	92.8	93.9	94.4	94.3	94.9	94.9	95.0	95.1
IV 300	1.3	75.3	80.1	84.3	87.8	88.8	91.2	93.0	93.7	95.0	95.8	95.9	96.5	96.5	96.7	96.8
IV 200	1.3	75.3	80.2	84.4	87.9	89.0	91.4	93.3	94.1	95.6	96.7	96.8	97.7	97.8	98.2	98.3
IV 100	1.3	75.3	80.2	84.4	87.9	89.0	91.5	93.4	94.2	95.7	96.8	97.0	98.1	98.2	98.9	99.4
IV 0	1.3	75.3	80.2	84.4	87.9	89.0	91.5	93.4	94.2	95.7	96.8	97.0	98.1	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 20212

DIRNAVOCEANMET SMOS

SKY COVER

14790 SOUTH WEYMOUTH, MA

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	01	33.7			16.3						12.4	37.9	5.4	282
	04	33.7			13.1						14.5	38.7	5.6	282
	07	16.3			25.5						17.7	40.4	6.4	282
	10	17.7			23.8						16.0	42.6	6.4	282
	12	16.3			21.6						16.3	45.7	6.7	282
	16	18.4			22.0						18.1	41.5	6.4	282
	19	27.3			23.0						11.3	38.3	5.5	282
	22	31.6			17.4						14.5	36.5	5.5	282
TOTALS		24.3			20.3						15.2	40.2	6.0	2256

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14790 SOUTH WEYMOUTH, MA

73-82

MAR

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
MAR	01	30.6			14.2						10.0	45.2	5.6	310
	04	29.4			14.6						12.3	43.5	5.9	310
	07	14.5			21.3						19.1	46.1	6.9	310
	10	12.9			21.9						18.1	47.1	7.0	310
	13	9.7			21.6						24.5	44.2	7.3	310
	16	9.7			22.3						22.6	45.5	7.2	310
	19	18.1			21.9						15.5	44.5	6.5	310
	22	28.4			16.5						11.6	43.5	5.9	310
TOTALS		19.2			19.3						16.6	45.0	6.6	2480

NAYWEASERVCOM

SKY COVER

14790

SOUTH WEYMOUTH, MA

73-82

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	26.1			14.5						13.5	45.8	6.2	310
	04	12.9			23.5						20.3	43.2	6.9	310
	07	15.2			15.4						17.4	49.0	7.0	310
	10	8.4			30.3						21.0	40.3	6.8	310
	13	6.1			24.8						30.6	38.4	7.3	310
	16	7.1			27.4						29.4	36.1	7.1	310
	19	8.7			23.9						28.4	39.0	7.2	310
	22	21.9			17.1						16.8	44.2	6.4	310
TOTALS		13.3			22.5						22.2	42.0	6.9	2480

NAVWEASERVCOM

SOUTH WEYMOUTH, MA

73-82

JUN

STATION

STATION NAME

PERIOD

NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	24.3			21.3						13.0	41.3	5.9	300
	04	16.7			26.0						12.7	45.3	6.5	300
	07	16.0			22.3						19.3	42.3	6.6	300
	10	8.3			25.3						30.3	36.0	7.1	300
	13	3.3			26.3						35.0	35.3	7.5	300
	16	5.7			29.0						32.7	32.7	7.1	300
	19	7.0			28.7						29.3	35.0	7.0	300
	22	24.7			21.7						15.3	38.3	5.9	300
TOTALS		13.2			25.1						23.5	38.3	6.7	2400

NAVWEASERVCOM

SOUTH WEYMOUTH, MA

73-02

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL.	01	25.2			25.5						14.2	35.2	5.6	310
	04	12.9			31.6						20.0	35.5	6.3	310
	07	13.5			26.8						24.5	35.2	6.5	310
	10	9.4			31.9						27.4	31.3	6.6	310
	13	3.2			27.1						42.3	27.4	7.4	310
	16	3.2			32.3						39.0	25.5	7.0	310
	19	6.8			32.3						30.6	30.3	6.8	310
	22	20.0			31.6						18.4	30.0	5.6	310
TOTALS		11.8			29.9						27.1	31.3	6.5	2480

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SOUTH MEYMOUTH, MA

73-92

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	23.2			22.6						13.1	36.1	5.9	310
	04	19.0			23.9						18.4	32.7	6.2	310
	07	14.5			22.6						23.9	39.0	6.7	310
	10	11.3			26.5						28.7	33.5	6.7	310
	13	4.4			31.3						31.3	32.6	7.0	310
	16	4.5			29.7						30.6	35.2	7.2	310
	19	5.8			30.6						27.1	36.5	7.0	310
	22	18.1			29.0						21.6	31.3	5.9	310

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73-82

654

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	29.0			16.0						17.3	37.7	5.8	300
	04	31.3			19.3						14.3	35.0	5.4	300
	07	14.7			25.3						21.7	38.3	6.5	300
	10	10.3			20.3						26.0	34.3	6.7	300
	13	5.7			32.7						28.7	33.0	6.9	300
	16	6.3			37.3						25.7	30.7	6.5	300
	19	16.0			28.7						24.7	30.7	6.1	300
	22	24.3			23.3						18.3	34.0	5.8	300
TOTALS		17.2			26.5						22.1	34.2	6.2	2400

NAVWEASERVCOM

14797

SOUTH WEYMOUTH, MA

73-82

CCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	34.5			17.1						12.9	35.5	5.2	310
	04	35.2			17.1						15.2	32.6	5.1	310
	07	13.9			31.3						21.3	33.5	5.2	310
	10	14.9			28.4						21.6	35.2	6.3	310
	13	7.7			30.0						27.1	33.2	6.7	310
	16	11.6			32.6						21.6	34.2	6.3	311
	19	37.3			27.0						16.1	33.5	5.4	310
	22	31.7			17.4						17.1	34.5	5.5	310
TOTALS		22.6			24.2						19.1	34.7	5.8	2490

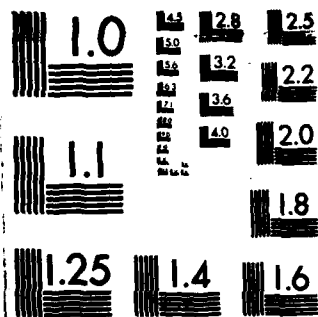
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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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	31.7			15.0						13.0	40.3	5.7	300
	04	30.0			19.0						13.7	37.3	5.5	300
	07	12.0			27.3						24.0	36.7	6.6	300
	10	12.3			26.3						20.7	40.7	6.7	300
	13	9.3			27.0						26.7	37.0	6.9	300
	16	10.0			24.3						29.0	36.7	7.0	300
	19	21.7			23.7						15.7	39.0	6.0	300
	22	25.7			19.3						13.0	42.0	6.0	300
TOTALS		19.1			22.7						19.5	38.7	6.3	2400

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SKY COVER

1479C SOUTH WEYMOUTH, MA

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	30.6			12.3						12.6	44.5	6.0	310
	04	33.2			13.2						10.0	43.5	5.7	310
	07	12.6			30.3						15.5	41.6	6.5	310
	10	12.9			23.5						17.7	45.8	6.9	310
	13	9.7			25.2						21.6	43.5	7.1	310
	16	10.0			26.5						21.9	41.6	6.9	310
	19	26.5			14.9						14.9	43.7	6.2	309
	22	27.5			17.2						12.0	43.4	5.9	309
TOTALS		20.4			20.4						15.8	43.5	6.4	2478

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SKY COVER

14790
STATIONSOUTH WEYMOUTH, MA
STATION NAME73-82
PERIODALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	22.5			20.3						14.8	42.4	6.2	2480
FEB		24.3			20.3						15.2	40.2	6.0	2256
MAR		19.2			19.3						16.6	45.0	6.6	2480
APR		19.1			21.3						18.7	40.9	6.4	2400
MAY		13.3			22.5						22.2	42.0	6.9	2480
JUN		13.2			25.1						23.5	38.3	6.7	2400
JUL		11.8			29.9						27.1	31.3	6.5	2480
AUG		12.7			27.0						25.0	35.4	6.6	2480
SEP		17.2			26.5						22.1	34.2	6.2	2400
OCT		22.6			24.2						19.1	34.0	5.8	2480
NOV		19.1			22.7						19.5	38.7	6.3	2400
DEC		20.4			20.4						15.8	43.5	6.4	2478
TOTALS		18.0			23.3						20.0	38.8	6.4	29214

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

- 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).

3

YEARS

MAXIMUM

NAVWEASERVCOM

3

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STATION

SOUTH WEYMOUTH, MA
STATION NAME

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YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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DAILY TEMPERATURES

147
STATION

SOUTH WEYMOUTH, MA
STATION NAME

54-55

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2								.1					.3
3							1.3	.6	.1				.2
4					.2	2.0	9.7	8.4	1.2				1.8
5				.1	1.3	12.4	36.1	30.1	7.0	.4			7.4
6				.7	6.6	36.3	72.9	58.5	20.6	1.6			18.6
7				2.3	18.7	62.9	94.4	85.7	41.8	9.3	1.3		26.6
8			.7	7.4	38.9	82.8	99.4	97.9	69.1	22.7	3.9	.2	35.6
9	.1	.4	2.4	10.9	65.8	96.9	100.0	99.8	88.6	43.0	9.9	1.0	44.3
10	.6	1.1	6.3	35.6	88.2	99.9		100.0	97.6	65.4	21.5	3.7	52.1
11	1.1	3.8	15.0	59.2	97.4	100.0			100.0	84.5	42.6	10.4	60.1
12	10.0	11.3	36.3	86.7	99.9					96.6	65.7	20.0	64.4
13	22.4	28.5	62.7	97.8	100.0					99.7	86.2	38.6	72.4
14	40.1	46.8	86.0	99.5						100.0	96.9	59.4	86.0
15	60.0	66.2	94.3	99.9							99.5	78.4	91.8
16	75.9	82.8	98.6	100.0							99.9	89.0	95.6
17	88.9	92.3	99.5								100.0	96.1	98.1
18	95.4	97.6	100.0									98.7	99.3
19	98.4	99.6										99.7	99.8
20	99.7	100.0										99.9	100.0
21	100.0											100.0	100.0
22													
23													
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92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	27.7	28.4	37.1	47.5	57.8	66.7	72.6	71.1	63.3	53.2	43.4	31.7	50.0
S.D.	9.892	9.366	7.800	7.656	7.326	6.701	5.274	5.962	7.241	8.087	8.300	9.791	17.722
TOTAL OBS.	868	789	884	870	890	868	876	896	867	889	869	898	10464

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1973 SOUTH WYOMOUTH, MA 1955-1982 JANUARY
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	29.9	-1.7	37.7	3.2	63	17.2	1973		20.2	-6.6	-10	-23.3	1964	
2	27.9	-2.3	35.6	2.0	50	15.0	1979		20.3	-6.5	-3	-19.4	1968	
3	27.6	-2.4	35.5	1.9	57	13.9	1979		19.7	-6.8	1	-17.2	1970	
4	27.3	-2.6	34.4	1.3	55	12.8	1982		20.2	-6.6	-6	-21.1	1981	
5	25.6	-3.6	33.1	.4	49	9.4	1971		18.0	-7.8	-7	-21.7	1981	
6	25.3	-3.7	33.7	.9	47	9.3	1961		17.0	-8.3	0	-17.8	1959	
7	22.4	-1.4	27.3	2.9	54	12.2	1979		21.4	-5.9	3	-16.1	1968	
8	26.6	-3.0	35.5	1.7	55	12.8	1979		18.1	-7.7	-7	-21.7	1968	
9	24.5	-4.2	32.5	.3	50	14.4	1978		16.5	-8.6	-7	-21.7	1968	
10	24.1	-4.0	32.4	.2	54	12.2	1972		17.1	-8.3	-2	-16.9	1982	
11	24.7	-4.4	32.0	.0	50	14.4	1980		16.1	-8.8	-5	-20.6	1968	
12	27.2	-4.9	31.7	-.2	50	14.4	1980		14.7	-9.6	-15	-26.1	1981	
13	4.7	-4.1	33.2	.7	58	14.4	1972		16.1	-8.8	-1	-16.3	1968	
14	26.2	-3.2	35.7	2.1	56	13.3	1972		16.7	-8.5	-7	-21.7	1957	
15	26.5	-3.1	33.6	.9	57	13.9	1962		19.5	-6.9	-12	-24.4	1957	
16	24.5	-4.2	32.2	.1	51	10.6	1959		16.7	-8.5	2	-16.7	1966	
17	23.3	-4.8	32.5	.3	51	10.6	1973		14.0	-10.0	-6	-21.1	1971	
18	22.4	-5.3	31.7	-.2	56	13.3	1973		13.1	-10.5	-6	-21.1	1982	
19	24.9	-4.1	33.5	.8	57	13.9	1972		15.7	-9.1	-9	-22.8	1971	
20	26.8	-2.9	34.8	1.6	56	13.3	1963		18.8	-7.3	0	-17.8	1971	
21	27.8	-2.3	36.1	2.3	57	13.9	1979		19.4	-7.7	-2	-16.9	1961	
22	29.5	-1.4	38.6	3.7	59	15.0	1959		20.6	-6.4	-8	-22.2	1961	
23	29.8	-1.2	39.5	4.2	62	16.7	1973		20.0	-6.7	-12	-24.4	1970	
24	27.8	-2.3	36.2	2.2	61	16.1	1967		19.7	-6.8	-10	-23.3	1961	
25	20.6	-1.3	37.3	2.8	56	13.3	1972		22.2	-5.4	-1	-18.3	1961	
26	10.9	-8.8	35.1	3.4	57	13.9	1967		22.9	-5.1	-4	-20.0	1961	
27	29.7	-1.3	37.9	3.3	62	16.7	1974		21.5	-5.8	3	-16.1	1982	
28	25.6	-3.6	33.7	.9	58	14.4	1976		17.5	-8.1	-2	-16.9	1961	
29	25.5	-3.6	32.9	.5	49	9.4	1971		18.2	-7.7	2	-16.7	1963	
30	27.3	-2.6	35.0	1.7	54	12.2	1959		18.9	-7.3	3	-16.1	1965	
31	24.0	-4.4	31.6	-.2	53	11.7	1974		16.4	-8.7	3	-16.1	1962	
Monthly	26.5	-3.1	34.7	1.7	63	17.2	1973		18.3	-7.6	-15	-26.1	1981	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14760
STATION

SOUTH WEYMOUTH, MA
STATION NAME

1955-1982
YEARS

FEBRUARY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	24.2	-4.3	31.8	-0.1	57	13.3	1982		16.2	-8.6	-3	-19.4	1961	
2	25.7	-3.5	34.0	1.1	56	13.3	1970		17.5	-8.1	-10	-23.3	1961	
3	25.3	-3.4	35.0	1.7	59	15.0	1970		16.9	-8.4	-3	-19.4	1961	
4	25.3	-3.4	34.6	1.4	52	11.1	1982*		17.7	-8.3	1	-17.2	1971	
5	26.3	-3.2	33.3	0.7	56	13.3	1962		19.1	-7.2	3	-16.1	1965	
6	26.4	-2.8	35.7	2.1	51	10.6	1960		18.2	-7.7	4	-15.6	1981	
7	26.7	-2.9	34.3	1.3	50	10.0	1955		19.1	-7.2	1	-17.2	1966	
8	26.9	-3.1	35.4	1.9	55	12.3	1965		17.5	-8.1	-6	-21.1	1963	
9	26.3	-3.2	35.6	2.0	49	9.4	1970*		17.0	-8.3	2	-16.7	1959	
10	26.4	-3.1	34.3	1.3	51	10.6	1955		18.5	-7.5	-3	-19.4	1979	
11	27.4	-2.5	35.8	2.1	61	16.1	1981		19.2	-7.1	-3	-19.4	1979	
12	26.4	-3.7	34.1	1.2	56	13.3	1981		16.8	-8.4	-4	-20.0	1970	
13	26.3	-3.2	35.3	1.8	56	13.3	1971		17.4	-8.2	-4	-20.0	1967	
14	27.1	-2.7	36.4	2.4	40	8.9	1973		17.9	-7.8	-1	-16.3	1979	
15	26.8	-1.8	37.4	3.0	50	15.0	1967		20.2	-6.6	6	-18.8	1979	
16	26.1	-2.2	36.9	2.7	56	13.3	1967		19.4	-7.0	2	-16.7	1963	
17	26.7	-2.9	34.6	1.6	62	16.7	1981		18.5	-7.5	1	-17.2	1978	
18	26.9	-1.8	36.4	2.4	67	19.4	1981		21.1	-6.1	-4	-20.0	1958	
19	26.4	-0.6	39.7	4.3	65	18.3	1981		21.8	-5.7	2	-17.7	1979	
20	29.4	-1.3	37.3	2.7	62	16.7	1981		21.7	-5.6	-2	-18.9	1966	
21	26.4	-1.4	37.9	3.3	54	12.2	1981		20.9	-6.2	0	-17.8	1960	
22	20.1	-1.1	38.8	3.8	59	15.0	1974		21.4	-5.9	2	-16.7	1968	
23	20.6	-1.3	37.1	2.8	53	11.7	1974		22.1	-5.5	-2	-18.9	1972	
24	30.4	-0.6	38.3	3.5	52	11.1	1981		22.9	-5.1	6	-14.4	1965	
25	22.4	0.2	40.2	4.6	63	17.2	1976		24.6	-4.1	9	-12.8	1959	
26	22.3	0.1	40.1	4.5	68	20.0	1957		24.2	-4.3	6	-14.4	1971	
27	31.4	-0.2	40.2	4.6	62	16.7	1957		23.0	-5.0	7	-13.9	1967	
28	22.3	0.5	41.7	5.0	62	16.7	1976		24.7	-4.2	4	-15.6	1964	
29	20.4	-0.9	39.7	3.9	58	14.4	1976		21.7	-5.7	6	-14.4	1981	
30														
31														
Monthly	28.2	-2.1	36.5	2.0	68	20.0	1957		19.8	-6.8	-1	-23.3	1961	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION SOUTH WYOMOUTH, N.C. 1954-1982 MONTH MARCH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	32.4	0.4	41.7	5.7	64	17.8	1972	24.6	-4.1	2	-16.7	1981
2	33.4	0.8	40.4	4.7	57	13.9	1964	26.4	-3.1	4	-15.6	1962
3	33.7	0.8	41.6	5.3	67	15.6	1972	25.4	-3.7	2	-16.7	1962
4	35.2	1.2	43.2	6.2	67	20.0	1974	25.2	-3.8	6	-14.4	1968
5	36.3	2.4	42.9	6.1	69	20.6	1979	29.6	-1.3	12	-11.1	1978
6	35.6	2.0	42.3	5.7	61	16.1	1974	29.7	-1.7	10	-12.2	1969
7	37.2	1.8	42.3	5.7	67	19.4	1974	29.2	-2.1	13	-10.6	1963
8	33.4	0.8	41.2	5.1	60	15.6	1973	25.7	-3.5	10	-12.2	1963
9	34.7	1.1	42.4	5.8	60	15.6	1977	25.6	-3.6	11	-11.7	1978
10	34.7	1.5	43.1	6.2	64	17.8	1977	26.2	-3.2	7	-13.9	1972
11	35.5	1.9	44.5	6.9	67	20.0	1967	26.6	-3.0	9	-12.8	1961
12	35.3	2.2	43.1	6.2	64	17.8	1977*	28.7	-1.8	12	-11.1	1967
13	36.7	2.6	44.2	6.8	61	16.1	1957	29.2	-1.6	12	-11.1	1981
14	36.7	2.7	43.4	6.3	55	12.9	1979*	30.2	-1.0	17	-8.3	1968
15	35.3	2.3	43.6	6.4	57	13.9	1971	28.8	-1.8	13	-10.6	1968
16	35.6	2.6	45.3	7.4	63	17.2	1973	27.9	-2.3	14	-10.0	1979
17	35.6	2.0	43.8	6.6	62	16.7	1968	27.3	-2.6	13	-10.6	1967
18	34.1	1.2	41.8	5.4	65	18.3	1966	26.4	-3.1	6	-14.4	1967
19	35.4	2.4	45.0	7.2	65	18.3	1966	27.7	-2.4	3	-16.1	1967
20	35.4	3.6	47.1	8.4	70	21.1	1959	29.8	-1.2	15	-9.4	1967
21	35.1	3.4	45.6	7.6	67	19.4	1959	30.7	-0.7	14	-11.0	1965
22	37.2	2.9	45.3	7.4	65	18.3	1979	29.1	-1.6	16	-8.9	1961
23	39.2	4.2	48.7	9.3	73	22.9	1979	30.5	-0.8	18	-7.8	1959
24	35.4	4.1	49.1	9.5	65	18.3	1979	29.6	-1.3	20	-6.7	1956
25	40.4	4.7	49.4	9.7	75	23.9	1963	31.3	-0.4	13	-10.6	1956
26	35.8	4.3	48.2	9.7	77	21.1	1963	31.4	-0.3	11	-11.7	1960
27	32.4	3.6	45.7	7.6	64	17.9	1968*	31.3	-0.6	18	-7.8	1975
28	39.3	4.0	48.8	9.3	65	18.3	1961	29.6	-1.3	12	-7.8	1982*
29	31.4	5.2	51.7	10.9	77	25.6	1981	31.1	-0.5	18	-7.8	1966*
30	31.1	5.1	49.1	9.5	77	26.1	1977	33.1	0.6	22	-5.6	1969
31	31.5	5.3	48.9	9.4	77	22.2	1968	34.1	1.2	21	-6.1	1965
Monthly	36.3	2.7	45.3	7.2	73	25.1	1977	28.7	-1.8	2	-16.7	1981

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1979 SOUTH WEYMOUTH, MA 1954-1982 APRIL
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	43.0	6.1	52.9	11.6	70	26.1	1967		33.2	.7	15	-8.9	1969	
2	43.0	6.6	53.2	11.8	83	28.3	1967		34.4	1.3	22	-5.6	1964	
3	43.0	6.6	53.4	11.9	73	25.6	1967		34.2	1.2	18	-7.8	1964	
4	42.9	5.8	50.8	10.4	66	18.9	1967		34.2	1.2	15	-9.4	1964	
5	44.2	6.8	53.8	12.1	67	19.4	1968*		34.6	1.4	22	-5.6	1982	
6	42.8	5.9	51.8	11.7	65	18.3	1962		33.4	.8	17	-8.3	1982	
7	42.5	5.8	51.2	10.7	62	20.0	1969		33.8	1.0	15	-6.4	1982	
8	43.2	6.2	51.6	10.9	75	23.9	1959		34.8	1.6	22	-5.6	1982	
9	43.4	6.3	52.8	11.6	76	24.4	1970		34.1	1.2	27	-2.8	1972	
10	45.3	7.7	55.2	12.9	74	23.3	1955		36.4	2.4	29	-1.7	1977*	
11	44.4	6.9	53.6	12.0	76	24.4	1955		35.2	1.8	26	-3.3	1967	
12	45.1	7.3	55.4	13.0	80	26.7	1977		34.7	1.5	25	-3.9	1976	
13	45.3	7.4	55.4	13.0	85	29.4	1966		35.3	1.8	26	-3.3	1967*	
14	47.1	8.4	57.1	13.9	78	25.6	1969		37.1	2.8	29	-2.2	1963	
15	46.7	8.3	57.2	14.0	80	26.7	1969		36.7	2.6	28	-2.2	1957	
16	46.3	9.1	57.2	14.6	82	26.7	1970		38.5	3.6	28	-2.2	1957	
17	47.7	10.7	62.0	16.7	83	28.3	1976		40.7	4.3	31	-0.6	1980*	
18	47.2	10.7	62.8	17.1	91	32.2	1976		39.6	4.2	29	-1.7	1980*	
19	46.7	9.8	60.1	15.6	92	33.3	1976		39.3	4.1	29	-1.7	1961	
20	46.8	9.2	58.5	14.7	86	30.0	1975		38.6	3.7	29	-1.7	1965	
21	50.3	10.5	62.3	16.3	87	30.6	1957		39.5	4.2	27	-2.8	1969	
22	50.3	10.4	61.2	16.2	83	29.3	1977		40.4	4.7	31	-0.6	1981*	
23	50.7	10.4	60.9	16.1	79	26.1	1973		40.6	4.8	30	-1.1	1965	
24	49.7	9.3	56.6	13.7	72	22.2	1979*		40.9	4.9	30	-1.1	1962	
25	49.9	9.8	58.8	14.9	81	27.2	1962		40.3	4.6	30	-1.1	1965*	
26	49.4	9.7	57.9	14.4	74	23.3	1979		40.9	4.9	30	.0	1967	
27	49.6	10.3	59.9	15.5	82	31.7	1972		41.2	5.1	30	-1.1	1963	
28	51.3	10.7	60.9	16.1	83	28.3	1969*		41.8	5.4	32	.0	1971*	
29	50.7	10.4	59.9	15.5	81	27.2	1974		41.7	5.4	31	-0.6	1966	
30	51.3	11.1	62.1	16.7	78	25.6	1954		41.7	5.4	31	-0.6	1966	
31														
Monthly	47.3	8.5	56.9	13.8	92	33.3	1976		37.6	3.1	15	-9.4	1982*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1470

SOUTH WEYMOUTH, MA

1954-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	53.1	11.7	64.9	18.3	79	26.1	1954		41.3	5.2	32	0.0	1978	
2	51.1	11.0	61.2	16.2	74	23.3	1976		42.3	5.7	31	-0.6	1976	
3	53.3	11.8	64.7	18.2	83	28.3	1969		41.9	5.5	31	-0.6	1964	
4	54.2	12.4	64.2	17.9	86	30.0	1965		44.5	6.9	34	1.1	1975	
5	53.2	11.8	62.6	17.0	81	27.2	1967		43.8	6.6	34	1.1	1978	
6	53.2	11.8	63.3	17.4	81	27.2	1967		43.2	6.2	32	0.0	1961	
7	52.4	11.6	62.9	17.2	83	28.3	1964		43.0	6.1	32	0.0	1967	
8	53.1	12.2	63.5	17.5	90	32.2	1964		44.3	6.8	28	-2.2	1962	
9	55.4	13.3	65.9	18.8	90	32.2	1979		45.9	7.7	32	0.0	1956	
10	57.4	14.0	68.1	20.1	92	33.3	1965		46.3	7.9	35	1.7	1966	
11	56.7	13.7	66.2	19.0	84	28.9	1970		47.2	8.4	33	0.6	1966	
12	57.4	14.1	67.7	19.8	89	31.7	1959		47.7	8.3	36	2.2	1963	
13	56.0	14.4	68.8	20.4	81	27.2	1956		47.2	8.4	36	2.2	1963	
14	56.6	13.7	66.2	19.0	83	28.3	1961		46.9	8.3	36	2.2	1968	
15	57.0	13.9	66.9	19.4	83	28.3	1961		47.2	8.4	37	2.8	1963	
16	57.4	14.4	68.1	20.1	85	29.4	1965		47.7	8.7	38	3.3	1958	
17	55.1	15.1	69.6	20.9	90	32.2	1977		48.7	9.3	37	2.8	1956	
18	57.3	14.1	67.2	19.6	83	28.3	1977		47.4	8.6	36	2.2	1981	
19	57.7	14.8	69.2	20.7	92	33.3	1962		48.2	9.0	36	2.2	1981	
20	57.6	15.3	69.9	21.1	87	31.7	1959		49.4	9.7	41	5.0	1981	
21	56.8	14.9	69.6	20.9	85	29.4	1975	*	48.7	8.9	40	4.4	1956	
22	55.9	15.5	71.2	21.8	89	31.7	1959		48.6	9.2	41	4.4	1965	
23	56.8	15.4	70.3	21.3	95	35.0	1964		49.3	9.6	38	3.3	1967	
24	56.4	14.8	68.0	20.0	95	35.0	1964		49.2	9.6	36	2.2	1963	
25	56.4	15.2	69.6	20.9	88	31.1	1981	*	49.3	9.6	36	2.2	1956	
26	56.4	15.4	69.8	21.0	91	32.4	1965		49.9	9.9	34	1.1	1968	
27	56.3	15.7	71.0	21.7	88	31.1	1959		49.6	9.8	31	-0.6	1969	
28	51.7	16.3	72.4	22.4	87	30.6	1978	*	50.3	10.2	31	-0.6	1968	
29	51.3	16.6	72.1	22.3	93	33.9	1978		51.5	10.8	39	3.9	1962	
30	52.2	16.8	72.4	22.4	89	31.7	1978		52.1	11.2	40	4.4	1966	
31	54.2	17.9	74.9	23.8	97	32.2	1956		53.4	11.9	36	2.2	1961	
Monthly	57.5	14.2	67.8	19.9	95	35.7	1964		47.2	8.4	28	-2.2	1968	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

700 SOUTH WEYMOUTH, VA 1954-1982 JUNE
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	54.7	18.3	75.4	24.1	88	31.1	1962	54.9	12.9	43	6.1	1967
2	53.4	17.6	73.0	22.8	86	30.0	1967	54.9	12.9	46	7.8	1979*
3	52.7	17.1	72.7	22.2	86	30.0	1970	53.9	11.9	45	7.2	1974*
4	53.7	17.6	74.1	23.4	88	31.1	1966	53.4	11.9	43	6.1	1965
5	53.3	17.7	74.3	23.5	88	31.1	1966	53.3	11.8	43	6.1	1978
6	53.5	17.7	74.6	23.7	93	33.9	1968	53.1	11.7	40	4.4	1964
7	54.2	17.3	73.0	22.8	93	33.9	1968	53.4	11.9	45	7.2	1974
8	54.3	17.4	73.7	23.2	92	33.3	1971*	53.0	11.7	44	6.7	1974
9	54.5	18.6	75.9	24.4	89	31.7	1973*	55.1	12.8	44	6.7	1980
10	54.1	18.4	75.8	24.3	94	34.4	1967	54.4	12.4	45	7.2	1957
11	54.4	18.6	75.2	24.7	94	34.4	1973	55.1	12.8	42	5.6	1980
12	54.1	18.4	76.2	24.6	92	33.3	1973*	53.9	12.2	35	3.3	1972
13	54.6	18.1	73.9	23.1	95	35.7	1956	55.6	13.1	45	7.2	1979
14	53.7	17.7	73.2	22.9	91	32.8	1956	54.6	12.6	45	7.2	1970
15	56.1	18.9	76.3	24.6	95	35.7	1956	55.8	13.2	44	6.7	1978*
16	67.3	19.7	78.0	25.6	96	35.6	1967	57.0	13.9	41	5.0	1965
17	66.3	19.4	76.1	24.5	90	32.2	1967	57.7	14.3	42	5.6	1978
18	67.2	19.6	77.7	25.4	88	31.1	1955	56.6	13.7	41	5.0	1965
19	67.2	19.6	77.2	25.1	92	33.3	1957	57.2	14.0	48	8.9	1965
20	67.8	19.9	78.1	25.6	92	33.3	1964	57.4	14.1	48	8.9	1956
21	66.3	19.4	76.9	24.7	97	32.2	1965	57.2	14.0	42	8.9	1979
22	68.4	20.2	78.7	25.9	89	31.7	1956	58.0	14.4	48	8.9	1962
23	67.8	21.0	79.7	26.5	92	33.3	1965	59.9	15.5	50	10.0	1958
24	69.8	21.0	79.9	26.6	97	32.2	1980*	59.8	15.4	52	11.1	1978*
25	68.9	20.5	78.6	25.9	93	33.3	1987	59.2	15.1	50	10.0	1978*
26	67.7	19.8	76.9	24.9	93	33.9	1963	58.6	14.8	50	10.0	1965
27	68.4	20.2	78.3	25.7	94	34.4	1963	58.9	14.7	50	10.0	1962
28	69.3	20.8	80.3	26.8	94	34.4	1969	58.7	14.8	48	8.9	1962
29	69.9	21.1	80.4	26.9	88	31.1	1965*	59.4	15.2	50	10.0	1970
30	71.2	21.8	80.4	26.7	94	34.4	1971*	62.1	16.7	53	11.7	1956
31												
Monthly	64.4	19.1	76.4	24.7	96	35.6	1967	56.4	13.6	38	3.3	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1-79

SOOT WEYMOUTH, MA

1954-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	71.4	22.2	82.0	27.8	97	36.1	1964*	61.8	16.6	49	9.4	1978		
2	72.0	22.5	83.2	28.4	95	35.0	1969*	61.8	16.6	45	7.2	1978		
3	71.7	22.1	81.4	27.4	98	36.7	1966	62.0	16.7	48	8.9	1978		
4	70.5	21.4	79.7	26.5	93	33.9	1974	61.2	16.2	52	11.1	1962		
5	69.9	20.9	78.5	25.8	95	35.7	1955	59.3	15.2	50	10.0	1978		
6	69.7	20.4	78.1	25.6	89	31.7	1971	59.3	15.2	49	9.4	1962		
7	70.4	21.3	81.2	27.3	94	34.4	1981	59.6	15.3	45	7.2	1965		
8	70.7	22.7	83.8	28.8	96	35.6	1981	62.0	16.7	53	11.7	1972		
9	70.4	23.0	83.3	28.5	96	35.6	1981	62.9	17.2	52	11.1	1969		
10	70.8	22.7	82.3	27.9	90	32.2	1978*	63.4	17.4	54	12.2	1963*		
11	71.3	21.8	80.7	27.1	90	32.2	1966	61.9	16.6	50	10.0	1973		
12	71.2	21.8	81.1	27.3	92	33.3	1972*	61.4	16.3	48	8.9	1978		
13	70.2	22.3	81.6	27.6	93	33.9	1966	62.7	17.1	52	11.1	1978*		
14	73.7	23.1	82.7	28.2	95	35.7	1954	64.3	17.9	56	13.3	1980*		
15	72.4	22.4	81.3	27.4	93	33.9	1968	63.5	17.5	55	12.8	1962		
16	72.7	22.6	82.2	27.9	97	36.1	1968	63.1	17.3	53	11.7	1966		
17	73.0	23.1	83.8	28.8	95	35.7	1969	63.3	17.4	55	12.8	1964		
18	71.9	23.2	83.7	28.7	93	33.9	1982	63.9	17.7	53	11.7	1958*		
19	74.8	23.7	84.5	29.2	93	36.7	1982	64.7	18.2	57	13.9	1973		
20	73.7	22.8	81.3	27.4	94	35.6	1977	64.7	18.2	55	12.8	1965		
21	73.8	22.7	82.0	27.8	99	37.2	1977	63.7	17.6	50	10.0	1966		
22	73.3	22.9	82.9	28.3	96	35.6	1980*	63.6	17.6	54	12.2	1965		
23	73.1	22.8	82.8	28.2	96	35.6	1955	63.5	17.5	52	11.1	1976		
24	73.4	23.0	82.8	28.2	92	33.3	1970	64.1	17.8	53	11.7	1981		
25	73.2	22.9	82.4	28.7	94	34.4	1963	64.0	17.8	54	12.2	1962		
26	72.1	22.3	82.0	27.8	95	35.7	1963	62.3	16.9	49	9.4	1978		
27	70.7	22.6	82.6	28.1	94	34.4	1963	62.7	17.1	54	12.2	1977*		
28	73.2	22.9	82.5	28.1	94	34.4	1970*	63.9	17.7	54	12.2	1977		
29	73.4	23.0	82.2	27.9	93	33.9	1970	64.5	18.1	57	13.9	1977		
30	72.3	22.8	81.4	27.4	87	31.7	1980*	63.1	17.3	49	9.4	1968		
31	73.2	22.9	82.6	28.1	96	35.6	1975	63.6	17.6	55	12.8	1956		
Monthly	72.4	22.4	82.0	27.8	99	37.2	1977	62.8	17.1	45	7.2	1978*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1-793

SOUTH WEYMOUTH, MA

1954-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	73.7	23.2	83.6	28.7	96	35.6	1975	63.9	17.7	51	11.6	1964
2	73.3	22.9	82.1	27.8	102	38.9	1975	64.6	18.1	52	11.1	1961
3	72.6	22.6	81.8	27.7	93	33.9	1957	63.3	17.4	53	11.7	1976*
4	72.7	22.6	81.9	27.7	92	33.3	1980	63.4	17.4	50	10.0	1966**
5	71.9	22.2	81.4	27.4	120	37.8	1955	62.4	16.9	49	9.4	1972
6	71.1	21.7	80.5	26.9	94	34.4	1977	61.7	16.5	52	11.1	1972*
7	72.4	22.4	82.1	27.8	92	33.3	1980	62.6	17.3	50	10.0	1964
8	73.4	23.0	83.0	28.3	95	35.0	1980	63.8	17.7	55	12.8	1957
9	72.7	22.6	81.9	27.7	93	33.9	1987*	63.7	17.6	51	10.0	1964
10	71.7	22.1	80.4	26.7	92	33.3	1971	63.0	17.2	46	7.8	1964
11	71.1	21.7	79.4	26.3	92	33.3	1977	62.8	17.1	51	10.6	1972**
12	70.3	21.3	78.5	26.4	91	32.3	1980	61.1	16.2	49	9.4	1968
13	71.2	21.6	80.7	27.1	91	32.4	1959	61.8	16.6	50	10.0	1957
14	71.7	22.1	81.5	27.5	92	33.3	1978*	61.9	16.6	45	7.2	1964
15	71.8	22.1	81.4	27.4	93	33.9	1970	62.2	16.8	46	7.8	1964
16	71.3	21.8	81.1	27.3	94	34.4	1959	61.5	16.4	46	7.8	1964
17	71.8	22.1	80.6	27.0	92	33.3	1959	62.4	16.9	52	11.1	1961
18	70.3	21.6	80.4	26.9	91	32.3	1967	61.3	16.3	52	11.1	1961
19	69.7	20.9	79.1	26.2	93	33.9	1966	60.4	15.8	50	10.0	1958
20	70.9	21.4	79.8	26.6	94	34.4	1955	61.3	16.3	50	10.0	1976**
21	69.9	21.1	79.6	26.4	94	35.6	1955	60.3	15.7	52	11.1	1975
22	68.3	20.7	77.8	25.4	92	33.3	1976	60.5	15.8	48	8.9	1982
23	67.8	19.9	76.7	24.3	87	30.6	1978	58.9	14.9	48	8.9	1962*
24	67.1	20.1	77.8	25.4	91	32.3	1969	58.4	14.7	48	8.9	1962
25	68.6	20.3	77.3	25.7	93	33.9	1968	59.2	15.0	47	8.3	1981
26	69.3	20.6	79.1	26.2	91	32.4	1980	58.8	14.9	45	7.2	1981
27	70.7	21.5	80.6	27.0	93	33.3	1959	60.9	16.1	48	8.9	1963
28	70.3	21.2	80.0	26.7	93	33.9	1959	60.3	15.7	46	7.8	1968
29	69.5	20.8	78.8	26.0	91	32.8	1978	60.2	15.7	45	7.2	1965
30	68.3	20.4	77.7	25.4	91	32.4	1973	59.9	15.5	41	5.0	1965
31	69.3	20.7	79.2	26.2	91	32.3	1980	59.4	15.2	38	3.3	1965
Monthly	70.4	21.6	80.3	26.9	102	38.9	1975	61.5	16.4	38	3.3	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1970 SOUTH WEYMOUTH 1954-1982 SEPTEMBER
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	64.3	20.8	79.3	26.3	92	33.3	1980*	59.8	15.4	48	8.9	1975
2	64.4	20.5	76.1	25.6	95	35.0	1980	60.0	15.6	46	7.8	1963
3	60.2	20.1	77.0	25.0	88	31.1	1973	59.3	15.2	48	8.9	1977
4	67.4	19.7	76.8	24.9	91	32.2	1971	58.1	14.5	44	6.7	1965
5	62.1	20.1	78.2	25.7	92	33.3	1971	58.1	14.5	45	7.2	1965
6	66.7	19.4	76.1	24.5	88	31.1	1980	57.6	14.2	45	7.2	1965
7	55.7	18.7	75.8	24.3	85	29.4	1959	55.5	13.1	47	4.4	1962
8	55.3	18.3	74.8	23.8	90	32.2	1967	55.3	12.9	45	7.2	1978
9	44.4	18.1	74.0	23.3	94	34.4	1971	55.1	12.8	47	8.3	1982*
10	44.4	18.2	75.2	24.0	89	31.7	1961	54.9	12.7	43	6.1	1978
11	44.7	18.2	74.6	23.7	91	32.4	1961	54.9	12.7	43	6.1	1969*
12	55.1	18.4	75.2	24.0	92	33.3	1961	55.0	12.8	44	6.7	1958
13	53.6	17.6	73.6	23.1	92	33.3	1957	53.6	12.0	44	6.7	1963
14	3.5	17.5	72.6	22.6	87	31.7	1981	54.4	12.4	40	4.4	1964
15	1.9	16.4	70.5	21.8	85	29.4	1958	52.6	11.4	38	3.3	1963
16	51.7	16.6	70.6	21.4	87	31.6	1971	52.9	11.6	41	4.4	1964
17	1.1	16.2	69.8	21.0	85	29.4	1972*	52.3	11.3	42	5.6	1964*
18	2.4	16.9	71.1	21.7	85	29.4	1955	53.8	12.1	42	5.6	1959
19	10.7	15.7	69.2	20.7	84	28.9	1955	51.2	10.7	37	2.8	1964*
20	10.5	15.8	70.6	21.4	84	28.9	1965	50.4	10.2	34	1.1	1964
21	47.9	16.0	69.9	21.1	88	31.1	1978*	51.6	11.0	33	.6	1969
22	2.6	17.0	71.6	22.0	90	32.2	1970*	53.6	12.0	33	.6	1969
23	1.7	15.7	69.4	20.8	92	33.3	1977	51.3	10.7	34	1.1	1969
24	5.1	14.5	67.1	19.5	88	31.1	1959	49.1	9.5	35	2.2	1963
25	58.6	14.8	68.2	20.1	36	30.0	1977	48.9	9.4	33	.6	1963
26	10.4	15.8	70.7	21.5	80	32.2	1958	50.2	10.1	37	2.8	1978*
27	50.1	15.6	70.0	21.1	83	28.3	1972	50.1	10.1	32	.0	1978
28	50.3	15.2	68.6	20.3	83	29.3	1959*	50.0	10.0	36	2.2	1965*
29	50.9	14.9	67.4	19.7	83	28.3	1959	50.5	10.3	35	1.7	1957
30	50.7	14.4	67.9	19.9	82	27.8	1959	47.8	8.8	35	1.7	1978
31												
Monthly	57.0	17.2	72.5	22.8	95	35.0	1980	53.6	12.0	32	.0	1978

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790

SOUTH WEYMOUTH, VA

1954-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	56.4	14.4	67.7	19.8	83	28.3	1954	49.6	9.8	33	.6	1963
2	56.1	14.5	68.2	20.1	86	30.0	1954	48.0	8.9	36	2.2	1964
3	57.8	14.3	67.0	19.4	78	25.6	1968	48.6	9.2	34	1.1	1965
4	57.1	13.9	66.7	19.3	85	29.4	1959	47.2	8.4	27	2.8	1965
5	56.6	13.7	65.9	18.8	87	26.7	1967	47.2	8.4	27	-2.8	1965
6	55.9	13.1	65.4	18.6	84	28.9	1963	45.6	7.6	26	-3.3	1965
7	55.5	13.1	64.9	18.1	88	31.1	1963	46.4	8.3	30	-1.1	1965
8	55.1	12.9	64.3	17.9	79	25.6	1966	45.9	7.7	32	.0	1954
9	55.1	12.8	64.9	18.1	79	26.1	1961	45.7	7.6	34	1.1	1963
10	53.4	12.0	63.0	17.2	82	27.9	1958	44.1	6.7	30	-1.1	1963
11	53.1	12.1	63.2	17.3	82	27.8	1955	44.4	6.9	30	-1.1	1972
12	49.1	12.3	64.2	17.9	87	30.6	1954	43.9	6.6	28	-2.2	1964
13	52.2	11.8	63.2	17.3	87	30.6	1954	43.2	6.2	32	.0	1961
14	53.1	12.1	64.4	18.1	79	26.1	1954	43.1	6.2	28	-2.2	1972
15	55.1	13.3	67.5	19.7	84	28.9	1956	44.3	6.8	25	-2.2	1972
16	54.1	12.7	65.7	18.7	86	30.2	1956	43.9	6.6	28	-2.2	1972
17	53.4	11.9	62.9	16.9	84	28.9	1968	44.3	6.8	27	-2.8	1978
18	52.0	11.1	61.7	16.5	78	25.6	1968	42.3	5.7	29	-1.7	1966
19	50.1	10.4	60.6	15.9	82	27.8	1965	41.1	5.1	28	-2.2	1970
20	50.6	10.3	60.2	15.7	78	25.6	1969	40.9	4.9	26	-3.3	1970
21	51.6	10.9	61.9	16.1	80	26.7	1979	41.2	5.1	26	-3.3	1972
22	51.1	10.6	61.2	16.2	86	30.0	1979	40.7	4.8	29	-1.7	1974
23	52.1	11.6	63.0	17.2	79	26.1	1978	42.9	6.1	28	-2.2	1969
24	50.4	10.4	61.3	15.7	78	25.6	1972	41.3	5.2	23	-5.0	1969
25	49.1	9.5	57.9	14.4	82	27.8	1963	40.2	4.6	27	-2.8	1962
26	48.9	9.5	57.7	14.3	82	27.8	1963	42.0	5.6	30	-1.1	1972
27	48.9	9.3	58.2	14.6	83	28.3	1963	39.4	4.1	28	-2.2	1966
28	48.3	9.0	58.3	14.6	77	25.0	1971	38.0	3.3	27	-2.9	1961
29	48.3	8.9	57.3	14.0	72	22.2	1982	38.7	3.7	28	-2.2	1962
30	48.5	8.1	55.4	13.0	72	22.2	1982	37.5	3.1	22	-5.6	1966
31	48.4	9.2	57.7	14.3	74	23.7	1956	39.6	4.2	18	-7.8	1966
Monthly	52.2	11.6	62.6	17.1	88	31.1	1963	42.3	6.3	18	-7.8	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1970

SOUTH WEYMOUTH, MA

1954-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	40.0	9.4	58.1	14.5	78	25.6	1971		39.8	4.3	23	-5.0	1968	
2	42.4	9.1	57.3	14.1	76	24.4	1982		39.8	4.1	22	-5.6	1965	
3	45.1	9.5	57.0	14.1	74	23.3	1975		40.8	4.9	22	-5.6	1965	
4	53.2	10.3	59.3	15.2	76	24.4	1977		41.7	5.4	29	-1.7	1966	
5	47.8	8.8	55.9	13.3	75	23.9	1961		39.8	4.3	25	-3.9	1965	
6	46.2	7.9	54.2	12.3	73	22.8	1959		38.2	3.4	25	-3.9	1967*	
7	45.2	7.7	54.0	12.2	73	22.8	1975		37.8	3.2	23	-5.0	1962	
8	45.5	7.5	53.1	11.7	69	21.0	1982		37.9	3.3	24	-4.4	1967	
9	44.5	6.9	52.6	11.4	73	22.8	1975		36.5	2.5	23	-5.0	1971	
10	43.2	6.2	50.2	10.1	67	19.4	1977		36.2	2.3	23	-5.0	1965	
11	42.7	6.0	50.4	10.2	69	20.0	1977*		35.1	1.7	19	-7.2	1956	
12	45.1	7.3	52.9	11.6	66	18.9	1982		37.3	2.9	23	-5.0	1957	
13	46.1	6.7	51.8	11.7	73	22.8	1964		36.2	2.3	28	-2.2	1981*	
14	44.1	6.7	51.8	11.7	71	21.1	1959		36.0	2.4	27	-2.8	1971	
15	42.4	5.8	50.2	10.1	69	20.6	1956		34.5	1.4	20	-6.7	1967	
16	41.1	5.5	49.9	9.9	69	20.0	1956		34.0	1.1	14	-10.0	1967	
17	42.3	5.7	51.3	10.7	64	17.8	1954		33.3	.7	13	-10.6	1967	
18	43.3	6.1	50.3	10.2	73	22.8	1963		35.8	2.1	20	-6.7	1959	
19	41.5	5.3	49.6	9.8	69	20.0	1957		33.4	.8	23	-5.0	1964*	
20	40.2	4.9	49.5	9.7	66	18.9	1954		32.3	.2	19	-7.2	1965	
21	41.4	4.7	49.8	9.3	66	18.9	1975		32.1	.1	18	-7.8	1967	
22	39.2	4.2	46.6	8.1	67	17.2	1963		32.4	.2	17	-8.3	1969	
23	77.7	4.0	46.9	8.3	71	21.7	1979		31.6	-.2	15	-9.4	1964	
24	47.7	4.9	48.9	9.4	72	22.2	1979		32.9	.5	17	-8.3	1956	
25	35.5	3.6	46.4	8.7	74	23.3	1979		30.5	-.3	18	-7.8	1956	
26	70.4	4.1	48.3	8.9	62	20.0	1979		30.7	-.7	18	-7.8	1978*	
27	39.7	4.3	48.1	8.9	61	16.1	1979*		31.4	-.3	15	-9.4	1957	
28	41.2	5.1	49.5	9.7	65	18.3	1979		32.8	.4	17	-8.3	1968	
29	40.4	4.7	47.7	8.7	68	20.0	1963		33.1	.6	21	-6.7	1955	
30	36.7	2.6	44.2	6.5	66	18.9	1963		29.7	-1.7	13	-10.6	1967	
31														
Monthly	43.1	6.2	51.2	10.7	78	25.6	1971		35.1	1.7	13	-10.6	1967	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14700

SOUTH WEYMOUTH, MA

1954-1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	32.4	0.4	41.0	5.1	64	17.8	1962	25.4	-3.7	14	-10.0	1981*
2	35.1	1.7	43.3	6.3	61	16.1	1982	26.9	-2.8	13	-10.6	1967
3	35.0	1.7	43.3	6.3	50	14.4	1982	26.7	-2.9	7	-13.9	1976
4	35.4	2.1	43.2	6.2	67	19.4	1982	28.3	-2.1	8	-13.3	1976
5	35.1	1.7	42.7	5.9	62	16.7	1973	27.4	-2.6	13	-10.6	1976
6	35.4	2.4	44.6	7.0	64	17.8	1982	28.2	-2.1	14	-10.0	1976
7	35.1	1.7	42.8	6.3	60	15.6	1956	27.2	-2.7	8	-13.3	1964
8	34.1	1.6	42.9	6.1	63	17.2	1966	26.8	-2.9	4	-15.6	1964
9	34.7	1.5	43.1	6.2	66	18.9	1966	26.4	-3.1	6	-14.4	1968
10	32.4	0.3	39.7	4.3	58	14.4	1966	25.5	-3.6	5	-15.0	1968
11	32.7	0.3	40.7	4.8	64	17.8	1969	24.5	-4.2	3	-16.1	1958
12	29.1	-1.1	39.9	4.4	66	18.9	1979	24.2	-4.3	5	-15.0	1960
13	32.0	0.0	40.5	4.7	60	15.6	1956	23.4	-4.8	-2	-18.9	1958
14	31.3	-0.2	39.8	4.3	59	14.4	1968	23.4	-4.8	0	-17.8	1982
15	31.4	-0.3	39.6	3.7	61	16.1	1975	24.3	-4.3	1	-17.2	1960
16	31.7	-0.2	39.1	3.7	62	16.7	1971	24.2	-4.3	7	-13.9	1961
17	30.5	-0.8	38.8	3.8	58	14.4	1973	22.2	-5.4	-1	-18.3	1980
18	28.4	-2.0	37.0	2.8	55	12.8	1966	19.8	-6.8	-3	-19.4	1980
19	27.8	-2.3	36.0	2.2	53	15.0	1967	19.4	-6.9	6	-14.4	1960
20	27.7	-2.3	35.2	1.8	63	17.2	1957	20.7	-6.3	-2	-18.9	1980
21	27.3	-2.5	35.3	1.8	62	16.7	1957	19.4	-6.9	-3	-19.4	1955
22	23.3	-1.9	35.6	2.1	53	14.4	1967	21.5	-5.8	-2	-14.4	1980
23	29.3	-1.6	37.3	2.9	56	13.3	1957	21.2	-6.0	-1	-18.3	1963
24	30.6	-0.6	38.2	3.4	56	13.3	1957	23.1	-4.9	2	-16.7	1960
25	30.7	-0.7	39.1	3.3	65	18.3	1964	22.3	-5.4	-8	-22.2	1980
26	31.1	-0.5	39.6	4.2	63	17.2	1982	22.6	-5.2	-10	-23.3	1980
27	30.3	-1.6	36.4	2.4	57	13.9	1964	22.0	-5.6	5	-15.0	1960
28	29.4	-1.4	36.2	2.3	57	13.9	1982	22.5	-5.3	1	-17.2	1963
29	30.3	-0.7	38.9	3.8	57	13.9	1982	22.4	-5.2	1	-17.2	1963
30	26.2	-2.3	36.1	2.3	49	9.4	1965	20.3	-6.5	-8	-22.2	1962
31	27.5	-2.5	35.2	1.8	63	17.2	1965	19.8	-6.4	-8	-22.2	1962
Monthly	31.3	-0.3	39.4	4.1	67	19.4	1982	23.4	-4.7	-10	-23.3	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

147 STATION SOUTH WEYMOUTH, MA 54-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				86	83	90	95		83	87	56	56	
55	44	55	62	76	87	91	96	100	85	82	60	49	100
56	43	45	53	76	90	95	91	90	85	86	75	60	95
57	55	68	61	87	89	92	95	93	92	76	68	63	95
58	54	47	58	78	92	89	82	88	90	82	55	54	92
59	59	51	70	76	89	93	90	94	88	85	73	59	94
60	54	57	62	78	81	89	89	90	90	81	53	54	90
61	54	57	65	70	84	92	88	89	92		75	56	
62	57	56	73	89		88	89	86	87		52	64	
63	56	46	75	77	67	94	97	87	93	88	73	53	97
64	52	47	74	87	65	94		88		80	73	65	
65	55	57	59	77	92	92	94	90	90	82	69	63	94
66	59	53	65	69	85	93	98	93	92	78	68	66	98
67	61	55	68	83	70	96	90	91	86	80	70	59	96
68	52	55	77	85	77	93	97	93	88	85	64	59	97
69	50	44	59	83	87	94	95	92	92	78	62	64	95
70	49	59	59	80	88	98	94	93	92	79	68	59	94
71	49	56	60	65	76	94	92	93	94	85	78	62	94
72	58	53	64	81	86	84	92	90	85	79	56	62	97
73	63	54	64	79	82	94	91	91	88	78	67	62	94
74	62	59	68	81	86	88	93	90	85	77	73	61	94
75	58	53	58	65	85	90	96	102	78	80	74	62	102
76	58	63	67	92	82	90	89	82	84	76	52	56	97
77	47	48	79	83	97	87	99	94	88	76	76	52	99
78	58	43	57	76	93	88	96	92	88	79	69	61	96
79	59	57	73	74	90	90	93	91	83	86	74	66	93
80	54	51	60	70	86	93	98	95	95	75	61	61	94
81	47	67	78	75	88	88	96	89	89	73	69	57	96
82	55	55	64	80	84	82	98	96	86	80	76	67	98
MEAN	54.5	54.3	65.8	78.6	85.9	88.7	93.7	91.5	87.8	80.5	68.9	59.7	95.4
S.D.	5.274	6.192	7.099	6.748	4.519	3.305	3.232	3.598	3.910	3.984	5.235	4.544	2.812
TOTAL OBS.	868	791	868	870	868	870	868	868	840	837	870	899	10317

SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

<u>1472</u>	<u>SOUTH WEYMOUTH, MA</u>
STATION	STATION NAME

54-82 _____ YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

147-0 SOUTH WEYMOUTH, MA 54-42
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				10	41	49	55		47	32	26	7	
5	7	7	13	30	38	46	57	51	40	31	20	3-	7-
6	6	8	11	30	32	47	53	53	47	31	17	5	
7	13-	10	16	23	37	45	52	48	34	32	15	14	1-
8	2	4-	26	30	37	45	53	50	41	31	16	3-	1-
9	0	2-	18	31	40	45	57	55	41	29	20	10	1-
10	10	10	9	26	39	48	53	51	42	33	22	1	1
11	10-	10-	14	29	32	43	50	51	41		24	5	
12	3		2	26		48	49	48			22		
13	0	6-	16	27	36		51		33	30	23	7-	
14	10-	4		21	31	40				28		4	
15	5-	3	14	21	34	41	45	28	36	26	19	5	5-
16	2	2-	18	26	33	42	57	50	40	18	23	12	2-
17	0	4-	3	26	32	43	56	52	37	30	13	5	4-
18	7-	0	5	28	28	43	49	46	38	29	17	3-	7-
19	7	9	10	16	31	46	52	49	33	23	17	7	7
20	10-	4	17	29	41	46	56	56	45	26	18	8	1-
21	2-	7	22	28	38	47	53	49	42	42	23	11	1-
22	3	2-	7	24	36	38	51	49	43	26	20	12	7-
23	3	4	24	32	42	45	52	56	43	35	26	10	7
24	0	9	19	29	38	44	56	56	37	29	17	13	7
25	12	0	18	27	36	49	53	50	42	32	29	4	7
26	2-	2	18	25	37	46	52	49	41	29	24	3	7-
27	1-	8	19	29	37	47	54	50	45	29	24	6	1-
28	9	2	8	26	31	42	45	53	32	27	16	13	7
29	3	4-	14	28	34	45	51	53	36	30	25	7	4-
30	9	8	2	29	36	42	53	56	41	25	20	10-	1-
31	15-	4	12	29	35	45	53	45	39	30	20	12	15-
32	6-	9	8	15	41	41	52	47	47	30	15	1-	5-
MEAN	6.2-	2.5	13.5	26.0	35.8	44.9	52.3	50.4	39.7	29.4	20.7	5.3	3.4-
S. D.	7.592	6.345	6.447	4.563	3.632	2.734	3.002	4.022	4.129	4.235	3.991	6.284	5.461
TOTAL OBS.	868	763	837	870	868	840	868	806	810	837	840	868	1007

SMOS

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

147-5

SOUTH WEYMOUTH, MA

84-37

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]**SMOS**

PSYCHROMETRIC SUMMARY

14720
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

JAN
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point	
64 / 63						.0												1	1			
62 / 61					.0		.0											2	2			
60 / 59						.0												1	1			
58 / 57	.0	.5	.0	.0		.0	.0											17	17	5	2	
56 / 55	.1	.6	.2	.1	.0													28	28	17	13	
54 / 53	.0	.4	.0		.0													14	14	23	20	
52 / 51		.3	.1	.1	.1	.1	.0											18	18	9	11	
50 / 49	.0	.2	.1	.1	.1	.1	.0											19	19	17	9	
48 / 47	.1	.4	.2	.1	.2	.1	.1											31	31	12	17	
46 / 45	.2	.5	.2	.2	.2	.0												32	32	29	24	
44 / 43	.2	.5	.3	.4	.2													41	41	25	13	
42 / 41	.3	.6	.7	.6	.2	.1	.0											65	65	34	19	
40 / 39	.6	1.0	.6	.8	.4													84	84	56	38	
38 / 37	.6	1.5	1.3	1.1	.3		.0											119	119	88	40	
36 / 35	.8	2.2	1.3	.8	.2	.1												137	137	106	62	
34 / 33	.8	1.9	1.6	1.2	.1	.0												142	142	140	68	
32 / 31	.6	2.7	1.8	1.7	.3	.0												174	174	128	66	
30 / 29	.7	2.2	2.1	1.4	.1													161	161	157	109	
28 / 27	.7	2.7	2.8	1.2	.2													188	188	149	89	
26 / 25	.5	2.7	2.5	1.1														168	168	126	118	
24 / 23	.3	2.9	2.4	.9														164	164	148	108	
22 / 21	.3	2.5	3.1	.7														164	164	180	111	
20 / 19	.6	2.1	1.9	.3														121	121	152	119	
18 / 17	.4	2.3	2.5	.2														132	132	169	141	
16 / 15	.1	1.8	1.7	.1														90	90	112	125	
14 / 13	.1	1.8	1.7															88	88	118	115	
12 / 11	.0	1.3	1.2															63	63	79	136	
10 / 9	.0	1.3	1.4															66	66	78	136	
8 / 7		1.1	.6															43	43	67	95	
6 / 5	.1	1.0	.3															33	33	46	81	
4 / 3		1.1																28	28	33	70	
2 / 1	.0	.5																13	14	34	80	
0 / -1	.2	.3																12	14	16	70	
-2 / -3		.2																5	5	10	47	
Element (X)	Σx^2		Σx		$\bar{x}$		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

NAVWEASERVCOM

1970 2000 54321

1473
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82

YEARS

JAN
MONTH

PAGE 2
HOURS 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. / W.B.	Dry Bulb	Wet Bulb	Dew Point												
-4 / -5			.3															6	8	3	41												
-5 / -7		.1	.1															4	4	6	42												
-7 / -9			.7															1	1	2	35												
-10 / -11																				1	27												
-12 / -13																					37												
-14 / -15																					21												
-16 / -17																					29												
-18 / -19																					14												
-20 / -21																					15												
-22 / -23																					9												
-24 / -25																					7												
-26 / -27																					3												
-28 / -29																					0												
-30 / -31																					2												
TOTAL	1.4	1.7	32.6	13.2	2.9	.9	.4											2477	2480	2477													
																		2477		2477													

PSYCHROMETRIC SUMMARY

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

FEB
MONTH

PAGE 1
HOURS (L E T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb	Dew Point	
69 / 67							.0											1	1			
66 / 65							.0											1	1			
64 / 63				.0														1	1			
62 / 61						.0		.0		.0								2	2			
60 / 59	.0	.1	.1		.0					.1								8	8	2	2	
58 / 57	.1	.0	.0	.0	.0	.0			.0									8	8	5	2	
56 / 55		.1	.1				.1		.0									7	7	5	2	
54 / 53	.1	.5	.0		.1	.0	.1											20	20	9	10	
52 / 51	.2	.6	.1	.1	.0	.1	.0	.0										28	28	22	15	
50 / 49	.2	.3	.3	.1	.2	.2												29	29	17	14	
48 / 47	.2	.4	.3	.3	.3	.1	.1											37	37	17	17	
46 / 45	.2	.4	.3	.3	.3	.3	.0											36	36	21	10	
44 / 43	.1	.5	.7	.6	.5	.4												63	63	29	14	
42 / 41	.1	1.1	.0	1.1	.7	.3												9	91	41	18	
40 / 39	.4	1.2	1.3	.7	.5	.2												97	97	79	27	
38 / 37	.8	1.2	1.5	1.1	.5	.1												115	115	85	70	
36 / 35	.6	1.6	1.9	1.4	.5	.1												136	136	116	50	
34 / 33	.5	3.3	2.7	1.0	1.0	.3												184	184	135	53	
32 / 31	1.2	1.8	2.3	1.3	.7	.1												167	167	103	110	
30 / 29	.5	2.0	2.4	1.3	.7													155	155	151	116	
28 / 27	.4	1.6	2.3	2.1	.4													155	155	137	101	
26 / 25	.1	1.8	2.3	1.6														134	134	154	93	
24 / 23	.4	1.2	2.3	1.2	.0													117	117	153	109	
22 / 21	.6	2.3	2.6	1.1														147	147	161	108	
20 / 19	.1	2.1	2.2	.4														108	108	151	106	
18 / 17	.0	1.6	2.6	.2														99	99	131	106	
16 / 15	.1	1.6	1.8	.1														82	82	101	92	
14 / 13		1.3	1.6															66	66	101	98	
12 / 11	.1	1.4	1.3															63	63	86	100	
10 / 9	.0	.9	.7															36	36	57	118	
8 / 7		.6	.4															22	22	42	101	
6 / 5		.7	.0															17	17	23	104	
4 / 3		.4																10	10	19	86	
2 / 1		.2																5	5	9	78	
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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14773
STATION

SOUTH WEYMOUTH, MA

73-A2

F E 5

PAGE 3

PAGE 2
HOURS 11 57

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												
0/- 1	.2	.1																6	6	9	67											
- 2/- 3		.1																2	2	2	52											
- 4/- 5		.0																1	1	3	47											
- 6/- 7																					43											
- 8/- 9																					29											
-10/-11																					15											
-12/-13																					26											
-14/-15																					14											
-16/-17																					10											
-18/-19																					16											
-20/-21																					4											
-22/-23																					1											
-24/-25																					1											
-26/-27																					1											
TOTAL	7.0	33.0	34.3	16.7	6.6	2.3	.5	.1	.1									2256	2256	2256	2256											

PSYCHROMETRIC SUMMARY

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

MAR
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point												
78/ 77											.0							1		1												
76/ 75										.1								2		2												
74/ 73						.0		.0										2		2												
72/ 71								.0										1		1												
70/ 69					.0		.0		.1		.1	.0						4		4												
68/ 67				.0	.0	.1												4		4												
66/ 65						.1	.2	.0										7		7												
64/ 63			.0	.1	.0	.1	.0	.0		.0		.0						10		10				1								
62/ 61		.0	.0	.1	.0	.1	.0		.1			.1						12		12				5								
60/ 59	.1		.0	.0	.1	.1	.1	.1	.1									14		14				5		3						
58/ 57	.1	.2	.3	.2	.2	.1	.0	.0										30		30				12		7						
56/ 55	.0	.4	.3	.2	.4	.2	.2	.2										47		47				19		8						
54/ 53	.2	.9	.5	.2	.2	.3	.3	.1										69		69				39		18						
52/ 51	.2	.8	.3	.4	.2	.4	.4	.1	.1									73		73				51		35						
50/ 49	.2	.9	.6	.5	.4	.5	.2	.2										87		87				43		38						
48/ 47	.3	1.1	.6	.7	.8	.4	.2	.2										108		108				64		39						
46/ 45	.5	1.4	.9	1.1	1.1	.3	.5											141		141				87		56						
44/ 43	.3	1.5	1.2	1.5	1.2	.5	.3											162		162				99		57						
42/ 41	.7	1.5	2.1	1.6	1.1	.5	.3											195		195				132		88						
40/ 39	.8	2.3	1.9	2.0	1.1	.5	.0											214		214				178		86						
38/ 37	1.2	2.6	2.3	2.1	1.0	.6												244		244				222		106						
36/ 35	.8	2.5	2.5	2.1	1.5	.8												245		245				213		118						
34/ 33	.4	1.9	2.7	1.9	1.1	.2												204		204				240		139						
32/ 31	.0	.9	2.6	2.2	.9	.0												166		166				217		145						
30/ 29	.2	1.3	1.5	1.4	.6													122		122				198		150						
28/ 27	.1	1.1	1.2	.8	.4													90		90				174		137						
26/ 25	.7	.5	1.2	.8	.2													68		68				155		149						
24/ 23		.4	.7	.6	.0													43		43				91		164						
22/ 21		.2	.9	.5														37		37				68		144						
20/ 19		.3	.7	.1														28		28				55		100						
18/ 17		.1	.4	.1														16		16				39		92						
16/ 15	.0	.1	.3															11		11				29		76						
14/ 13		.3	.2															13		13				17		87						
12/ 11		.0	.1															4		4				16		71						
Element (X)	Σx^2		Σx		$\bar{x}$		σ_x		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

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14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82

YEARS

MAF
WONT

PAGE 2
HOUSE (C)

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PSYCHROMETRIC SUMMARY

SOUTH Weymouth, MA

APP

NOV 2
NOV 11 1957

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
22 / 21		.0																1	1	6	101				
20 / 19																				7	76				
19 / 17	.2	.0																5	5	5	63				
16 / 15	.3																	1	1	1	57				
14 / 13																					36				
12 / 11																					39				
10 / 9																					27				
8 / 7																					22				
6 / 5																					14				
4 / 3																					9				
2 / 1																					3				
0 / - 1																					3				
- 2 / - 3																					1				
- 4 / - 7																					1				
TOTAL	4.2	14.0	19.2	19.7	13.8	11.3	7.5	4.4	3.5	1.5	.5	.2	.2					2400	2400	2400	2400				

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PSYCHROMETRIC SUMMARY

1472 SOUTH WEYMOUTH, MA 73-82 MAY
 STATION STATION NAME YEARS MONTH

PAGE 1
 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	Dry Bulb		Wet Bulb	Dew Point	
92 / 91									.1									2	2		
90 / 89											.1	.0	.0					4	4		
88 / 87								.0	.1	.1	.0	.0						8	8		
86 / 85							.0	.0	.0	.2	.0							9	9		
84 / 83							.1	.0	.2	.1	.2							14	14		
82 / 81					.0	.1	.2	.1	.2	.1		.1	.0	.0				23	23		
81 / 79					.2	.1	.2	.2	.0	.1	.1	.1	.1	.0				27	27		
73 / 77					.1	.1	.3	.2	.0	.1	.1	.1	.1					26	26		
76 / 75					.1	.3	.3	.4	.2	.1	.1	.1	.0					41	41	2	
74 / 73			.1	.0	.2	.3	.4	.2	.2	.2		.0						43	43	4	
72 / 71			.1	.6	.5	.4	.5	.1	.1	.2	.2	.0						69	69	14	
70 / 69			.2	.4	.3	.6	.4	.3	.5	.2	.2							78	78	20	
63 / 67		.2	.6	.5	.3	.6	.5	.6	.6	.5	.2							114	114	30	
66 / 65		.6	.6	.6	.4	.6	.6	.8	.3	.2	.1							121	121	68	
64 / 63	.0	1.1	.6	.5	.6	.8	.6	.9	.6	.2	.2							153	153	95	
62 / 61	.3	1.2	.8	.8	.8	1.0	1.0	.8	.6	.1								189	189	111	
60 / 59	.3	1.4	1.1	1.2	.8	.7	.5	.3	.3	.1								169	169	123	
58 / 57	.4	1.5	1.7	1.3	1.9	1.2	.5	.5	.3									235	235	142	
56 / 55	.4	1.8	1.6	1.3	1.2	.8	.6	.3	.1									205	205	166	
54 / 53	.3	2.0	2.0	1.7	1.0	.6	.5	.2										203	203	228	
52 / 51	.7	1.4	2.1	1.5	1.0	.6	.4	.0										192	192	246	
50 / 49	.6	1.9	1.8	1.4	.9	.3	.2											175	175	274	
48 / 47	.4	1.7	1.9	1.2	.4	.4												147	147	266	
46 / 45	.4	1.7	1.1	.6	.4	.2	.1											115	115	221	
44 / 43	.2	.4	.3	.6	.2	.0												44	44	191	
42 / 41	.1	.2	.7	.3	.1													35	35	120	
40 / 39	.1	.0	.5	.2														20	20	64	
38 / 37			.2	.2														10	10	50	
36 / 35			.1	.0														4	4	23	
34 / 33		.1	.1															4	4	8	
32 / 31		.0																1	1	11	
30 / 29																				3	
28 / 27																				50	
26 / 25																				43	
Element (X)	Σx^2		Σx		$\bar{x}$		σ_x		No. Obs.		Mean No. of Hours with Temperature								Total		
Rel. Hum.											$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$			Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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MAY
MONTH

PAGE 2
HONOLULU (L.A.T.)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14790 SOUTH WEYMOUTH, MA 73-82 JUN NORTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (°)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
92 / 91										.1	.1	.0						5	5						
90 / 89									.0		.2	.1						8	8						
88 / 87							.1	.1	.4	.1	.1							19	19						
86 / 85				.0	.0	.1	.2	.2	.2	.2								22	22						
84 / 83				.0	.0	.0	.3	.5	.3	.2	.0	.1						39	39						
82 / 81				.0	.2	.3	.9	.6	.2	.1	.1	.0						60	60						
80 / 79				.1	.3	.7	.9	.6	.5	.3	.1							86	86	3					
78 / 77			.1	.4	.7	.7	.6	.4	.3	.1	.2							84	84	1	3				
76 / 75			.3	.7	.8	.6	.9	.6	.5	.3	.1	.1						117	117	6					
74 / 73	.0	.2	.5	1.5	1.1	1.2	.7	.7	.4	.4	.1	.0						166	166	36	3				
72 / 71		.5	1.1	1.2	.9	.7	.6	.3	.5	.1								139	139	71	10				
70 / 69	.0	1.7	2.1	1.7	1.2	.8	.7	.7	.2	.2	.0							224	224	144	48				
68 / 67	.1	1.2	2.2	1.2	.6	1.0	.6	.4	.2	.1								181	181	208	97				
66 / 65	.1	2.4	2.0	1.2	1.2	.9	.4	.2	.2									208	208	207	139				
64 / 63	.3	2.9	1.2	1.3	.7	1.2	.5	.1	.0									197	197	256	194				
62 / 61	.5	2.2	1.3	1.7	1.0	.8	.3	.1										192	192	231	251				
60 / 59	.2	2.1	1.7	1.5	1.0	.7	.1	.1										180	180	201	217				
58 / 57	.3	1.6	1.7	1.0	.7	.1	.0											131	131	234	180				
56 / 55	.1	1.2	1.2	1.4	.4	.2												108	108	190	159				
54 / 53	.1	1.1	1.6	.8	.1		.0											93	93	189	173				
52 / 51	.0	.6	1.0	.8	.2	.0												63	63	184	147				
50 / 49	.1	.2	.9	.3	.0													37	37	116	165				
48 / 47		.2	.5	.2	.0													22	22	67	143				
46 / 45		.0	.4	.1														13	13	45	126				
44 / 43		.0	.1															4	4	25	109				
42 / 41		.0	.0															2	2	4	82				
40 / 39																				8	69				
38 / 37																					32				
36 / 35																					21				
34 / 33																					13				
32 / 31																					17				
30 / 29																					5				
28 / 27																					1				
Element (X)	ΣX^2		ΣX		$\bar{X}$	σ_X	No. Obs.		Mean No. of Hours with Temperature								Total								
Ref. Num.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

14790

SOUTH WEYMOUTH, MA

73-82

JUN

PAGE 2

HOURS (L S Y)

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PSYCHROMETRIC SUMMARY

14790 SOUTH WEYMOUTH, MA 73-82 JUL

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point														
98 / 97									.1		.1	.0						4													4			
96 / 95										.2	.2	.0						10													10			
94 / 93									.2	.2	.1	.0						14													14			
92 / 91							.0	.1	.2	.4	.1						.0	21													21			
90 / 89					.0	.0	.1	.4	.4	.2	.1						.1	37													37			
88 / 87					.0	.1	.7	.5	.4	.3	.2	.1						58													58			
86 / 85					.1	.4	.3	.7	.6	.5	.2						.0	80													80			
84 / 83				.2	.4	.6	.8	1.0	.8	.4	.2	.0						111													111		1	
82 / 81			.1	.4	.8	.9	1.2	1.1	.8	.3	.2	.0						143													143		5	
80 / 79		.0	.1	1.2	1.5	1.5	.8	.8	.4	.3	.1							170													170		19	
78 / 77		.1	.4	1.4	1.5	.9	.9	.3	.5	.5	.1	.0						164													164		42	
76 / 75	.0	.3	1.4	1.6	1.4	1.2	.6	.7	.4	.3	.0							201													201		83	
74 / 73	.1	1.5	2.2	1.9	1.0	1.1	.4	.4	.3	.1								232													232		157	
72 / 71	.4	1.6	2.7	1.6	1.0	.9	.6	.5	.2									234													234		269	
70 / 69	.2	1.9	2.9	1.5	1.2	.6	.6	.1	.1									224													224		292	
68 / 67	.4	2.1	3.1	1.3	1.0	.6	.3	.2	.0									222													222		322	
66 / 65	.4	1.8	1.7	1.6	.9	.4	.0	.0										170													170		277	
64 / 63	.5	1.7	1.4	1.2	.6	.5	.1											148													148		285	
62 / 61	.1	.8	.8	1.0	.3	.2	.1											83													83		210	
60 / 59	.1	.4	.7	1.0	.2	.1												63													63		174	
58 / 57	.0	.4	.5	.3	.1	.0												33													33		131	
56 / 55	.1	.1	.6	.3	.1													31													31		89	
54 / 53		.0	.3	.1	.0													13													13		54	
52 / 51		.1	.2															8													8		37	
50 / 49			.1															2													2		24	
48 / 47		.1																3													3		5	
46 / 45		.0																1													1		4	
44 / 43																																		1
42 / 41																																		
40 / 39																																		
38 / 37																																		
TOTAL	2.5	13.1	19.1	16.7	12.1	10.4	8.0	7.3	5.6	3.3	1.3	.4	.2					2480													2480		2480	
Element (X)	ΣX ²			ΣX			X̄			σ _X			No. Obs.			Mean No. of Hours with Temperature							Total											
Del. Num.	12501563			170591			68.8			17.591			2480			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total						
Dry Bulb	13385536			181008			73.0			4.384			2480			577.5			373.5			167.7			8.4			744.0						
Wet Bulb	10763037			162635			65.6			6.276			2480			356.7			91.8			4.5			744.0									
Dew Point	9396627			151473			61.1			7.647			2480			197.1			41.1			.6			744.0									

NAVWEASERVCOM

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PAGE 1
HOURS (LST)

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425

YEARS

MON 4

HOURS (LST)

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PSYCHROMETRIC SUMMARY

259

MONTH

HOURS 11

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PSYCHROMETRIC SUMMARY

14720
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

OCT
MONTH

PAGE 1
HOURS (L & 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																		
86 / 85						.0												1	1																			
82 / 81						.0												1	1																			
80 / 79					.0		.1		.1									5	5																			
78 / 77					.0		.0		.0									3	3																			
76 / 75				.0	.0	.2	.0	.1	.1									11	11											1								
74 / 73				.1	.1	.2	.1	.0	.0									14	14																			
72 / 71		.1		.2	.3	.3	.3		.0	.0								32	32										4									
70 / 69		.2	.3	.2	.2	.1	.2	.0	.1	.1	.1							38	38										3									
68 / 67		.4	.3	.2	.3	.3	.2	.4	.1	.1								56	56									16			6							
66 / 65	.0	.4	.4	.4	.1	.3	.4	.3	.1	.0								60	60									32		14								
64 / 63	.4	1.1	.7	.4	.1	.6	.4	.2	.1									99	99									52		31								
62 / 61	.2	1.5	1.1	.4	.5	.7	.4	.2	.1									128	128									71		45								
60 / 59	.5	2.2	1.6	.9	.6	.7	.3	.2	.0									175	175									103		75								
58 / 57	.5	2.0	1.4	.9	1.0	.6	.5	.5	.0									182	182									132		91								
56 / 55	.5	1.4	1.4	1.2	.7	.8	.4	.2										163	163									120		122								
54 / 53	.4	1.4	1.1	1.4	1.4	1.7	.6											182	182									163		104								
52 / 51	.4	2.4	1.7	2.1	1.5	1.0	.4	.1										239	239									164		100								
50 / 49	.6	2.4	1.7	1.6	1.5	.9	.4											225	225									201		137								
48 / 47	.3	1.5	1.7	2.1	1.3	.7	.0											189	189									202		139								
46 / 45	.1	.7	2.3	2.0	1.2	.5	.0											160	160									198		114								
44 / 43	.2	.6	1.7	1.7	.8	.1												126	126									192		121								
42 / 41	.1	.7	.9	1.5	.4	.1												94	94									188		147								
40 / 39		.6	1.4	.8	.2													77	77									182		133								
38 / 37		.6	1.6	.7	.2													77	77									136		163								
36 / 35	.0	.4	1.1	.5														52	52									92		125								
34 / 33		.5	1.2	.1														44	44									91		131								
32 / 31		.6	.7	.1														34	34									58		147								
30 / 29		.2	.2															9	9									54		142								
28 / 27		.1																3	3									17		109								
26 / 25		.0																1	1									8		104								
24 / 23																																79						
22 / 21																																44						
20 / 19																																24						
18 / 17																																14						
Element (X)	ΣX ²					ΣX					X̄					σ _X					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

3

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82

YEARS

OCT
MONTH

PAGE 2
MOVES 44

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
16 / 15																						10
14 / 13																						4
12 / 11																						1
TOTAL	4.4	21.9	24.2	19.4	12.7	9.2	4.8	2.2	.9	.3	.1								2480		2480	
																		2480		2480		

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14720

SOUTH WEYMOUTH, MA

73-82

NOV

STATION

STATION NAME

YEARS

MOUTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
76 / 75				.0																											1	1			
74 / 73			.0	.7		.2																									6	6			
72 / 71				.1	.0	.1	.0	.0																							8	8	1		
70 / 69			.1	.1	.2	.0	.0	.0																							12	12	1		
68 / 67		.0	.2	.1			.1																								9	9	2	2	
66 / 65		.7	.2	.2	.1	.1	.1	.1		.1					.1																42	42	15	6	
64 / 63	.0	.7	.1	.2	.1	.2	.0	.0																							35	35	23	15	
62 / 61		.5	.4	.1	.2	.2	.1	.2																							40	40	34	20	
60 / 59	.2	.7	.5	.2	.2	.2	.1	.3																							58	58	35	33	
58 / 57	.1	1.3	.4	.5	.5	.2	.1	.1	.0																						70	70	37	32	
56 / 55	.1	1.2	.9	.7	.5	.3	.4	.1	.0																						103	103	60	45	
54 / 53	.1	1.6	1.0	.7	.7	.5	.2	.1																							115	115	61	50	
52 / 51	.5	1.5	.7	.7	.7	.6	.2	.0																							120	120	108	56	
50 / 49	.6	1.4	1.1	.7	.9	.8	.3																								141	141	107	86	
48 / 47	.8	2.2	1.5	1.6	1.2	1.2	.2	.0																							210	210	117	93	
46 / 45	.3	1.7	2.7	1.6	1.6	1.0	.0																								213	213	140	84	
44 / 43	.2	1.1	1.7	2.0	1.7	.5	.1																								177	177	155	91	
42 / 41	.2	.7	1.8	1.7	1.4	1.0																									163	163	162	79	
40 / 39	.2	.7	1.8	2.2	1.7	.5																									167	167	170	110	
38 / 37	.2	.6	2.0	2.2	1.0	.2																									149	149	189	110	
36 / 35	.2	1.2	1.8	2.0	.8	.0																									146	146	165	113	
34 / 33	.2	.9	2.6	1.9	.4	.1																									146	146	196	97	
32 / 31	.3	.9	1.2	1.1	.4																										94	94	181	134	
30 / 29	.2	.4	1.7	.5	.2																										72	72	155	152	
28 / 27	.1	.2	1.0	.3																											39	39	107	130	
26 / 25		.5	.7	.1																											29	29	82	138	
24 / 23	.0	.0	.2	.0																											8	8	46	122	
22 / 21		.2	.1																												9	9	22	135	
20 / 19		.2	.2																												8	8	13	114	
18 / 17			.1																												2	2	7	88	
16 / 15																																		3	77
14 / 13																																		2	57
12 / 11																																			42
10 / 9																																			

3

14700
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82

NOV
MONTH

PAGE 2
HOURS (L

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82
YEARS

DEC
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
66 / 65			.0	.0			.0											3	3					
64 / 63		.0	.0															2	2					
62 / 61	.0	.2	.1	.1	.0	.0												11	11	3	1			
60 / 59		.4	.2	.0	.0	.0		.0										18	18	9	3			
58 / 57		.5	.2	.1	.1	.1												24	24	10	9			
56 / 55	.1	.6	.2	.2	.2		.1											31	31	24	15			
54 / 53	.2	.6	.5	.3	.0	.0												41	41	26	26			
52 / 51	.1	.8	.5	.2	.2	.2												47	47	31	21			
50 / 49	.2	.7	.6	.2	.3	.1	.0											53	53	54	31			
49 / 47	.2	1.3	.4	.4	.4	.2	.0	.1										75	75	45	39			
45 / 45	.2	1.0	.6	.5	.5	.2	.0											76	76	53	43			
44 / 43	.4	.9	.9	.8	.6	.1	.0											94	94	61	42			
42 / 41	.4	.9	.9	1.5	.5	.2	.2											116	116	73	47			
40 / 39	.6	1.7	1.1	1.3	.7	.1	.0											138	138	93	71			
38 / 37	.5	2.1	1.9	1.5	.5	.1												165	165	120	61			
36 / 35	.4	2.6	3.1	1.7	.8	.1												212	212	151	76			
34 / 33	.3	2.4	3.8	2.2	.8	.2												239	239	189	97			
32 / 31	.6	2.4	3.3	1.5	.4													206	206	205	100			
30 / 29	.5	2.5	3.0	1.5	.4													195	195	262	131			
28 / 27	.1	2.0	1.7	1.1	.3													129	129	195	139			
26 / 25	.0	1.5	1.6	.8	.2													104	104	172	167			
24 / 23	.0	1.3	2.1	.7														104	104	127	154			
22 / 21	.1	.9	1.6	.3														71	71	108	135			
20 / 19	.4	1.0	1.2	.2														70	70	107	139			
18 / 17	.2	1.4	1.4	.2														80	80	83	123			
16 / 15		.7	1.0															43	43	73	106			
14 / 13	.0	.9	.6															37	37	59	93			
12 / 11		.4	.7															28	28	46	76			
10 / 9		.2	.4															15	15	22	79			
8 / 7		.4	.2															14	14	25	87			
6 / 5		.4																9	9	15	72			
4 / 3		.4																10	10	11	50			
2 / 1		.1																2	2	8	43			
0 / - 1	.1	.1																6	6	6	35			
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ_X		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

14775
STATION

SOUTH WEYMOUTH, MA
STATION NAME

73-82

YEARS

DEC

PAGE 2
HOURS (L & T)

[illegible]

PSYCHROMETRIC SUMMARY

14770 SOUTH WEYMOUTH, MA 73-82 ALL
STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point												
102/101														.0				1	1													
98/97									.0		.0	.0	.0					5	5													
96/95										.0	.0	.0						14	14													
94/93									.0	.0	.0	.0	.0					16	16													
92/91						.0	.0	.0	.0	.1	.0	.0	.0	.0				48	48													
90/89					.0	.0	.0	.1	.1	.0	.0	.0	.0	.0				91	91													
88/87					.0	.0	.1	.1	.1	.1	.0	.0	.0					141	141													
86/85				.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0				190	190													
84/83				.0	.1	.1	.2	.2	.1	.1	.0	.0	.0					268	268	1												
82/81			.0	.1	.2	.2	.3	.2	.1	.1	.0	.0	.0	.0	.0			380	380	5												
80/79		.0	.1	.2	.2	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0			477	477	37	1											
78/77		.0	.1	.3	.3	.3	.3	.1	.1	.1	.0	.0	.0	.0				499	499	104	13											
76/75	.0	.1	.3	.4	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0				653	653	207	50											
74/73	.0	.3	.5	.5	.3	.4	.3	.2	.1	.1	.0	.0	.0					803	803	418	156											
72/71	.1	.3	.6	.5	.4	.3	.3	.1	.1	.0	.0	.0	.0					839	839	611	321											
70/69	.1	.5	.8	.5	.4	.3	.3	.2	.1	.1	.0	.0						948	948	773	491											
68/67	.1	.6	.9	.5	.3	.4	.2	.2	.1	.1	.0							1013	1013	980	612											
66/65	.1	.8	.8	.6	.4	.4	.3	.2	.1	.0	.0							1073	1073	985	778											
64/63	.2	1.0	.7	.6	.4	.4	.2	.2	.1	.0	.0							1152	1152	1224	900											
62/61	.2	.9	.6	.7	.4	.4	.2	.2	.1	.0								1064	1065	1117	1059											
60/59	.2	.9	.8	.7	.4	.3	.2	.1	.1	.0								1073	1073	1104	1051											
58/57	.2	1.0	.9	.6	.5	.3	.2	.1	.1	.0								1118	1118	1164	983											
56/55	.2	.8	.8	.6	.4	.3	.2	.1	.0									1008	1008	1119	1015											
54/53	.2	.8	.8	.7	.4	.3	.2	.1	.0	.0								1026	1026	1162	1027											
52/51	.2	.8	.8	.7	.5	.4	.2	.1	.0									1062	1062	1117	969											
50/49	.2	.8	.8	.6	.5	.4	.2	.0	.0									989	989	1134	1082											
48/47	.2	.8	.7	.7	.5	.3	.1	.0										1024	1024	1103	1004											
46/45	.2	.7	.8	.7	.6	.3	.1	.0										1012	1012	1040	946											
44/43	.2	.6	.8	.8	.6	.2	.1											937	937	999	898											
42/41	.2	.6	.9	.9	.5	.2	.1											969	969	1017	948											
40/39	.2	.7	.9	.8	.5	.1	.0											974	974	1129	930											
39/37	.3	.8	1.0	.8	.4	.1	.0											1007	1007	1127	944											
36/35	.2	1.0	1.1	.8	.4	.1												1035	1035	1086	860											
34/33	.2	1.0	1.3	.8	.3	.1												1045	1045	1166	881											
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																																

PSYCHROMETRIC SUMMARY

ALL

YEARS

MONTH

HOURS (L.S.Y)

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14790 SOUTH WEYMOUTH, MA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	25.1	26.2	35.2	43.4	52.4	60.3	66.7	66.4	58.5	48.0	41.9	31.4	46.4	
	S. D.	11.925	11.020	8.509	8.562	6.837	6.570	6.015	6.419	7.770	8.467	9.493	11.556	16.731	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
04	MEAN	23.7	25.0	33.9	42.0	50.9	58.9	65.4	65.2	57.2	47.0	41.0	30.5	45.1	
	S. D.	12.291	11.255	9.192	8.429	7.147	6.933	6.178	6.680	8.191	8.663	9.829	11.732	16.827	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
07	MEAN	23.0	24.3	34.5	44.9	55.8	64.2	70.5	69.0	60.0	47.9	40.7	30.0	47.2	
	S. D.	12.664	11.402	9.061	8.080	6.805	5.930	5.122	6.115	6.945	8.361	9.658	11.880	18.446	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	27.4	30.2	40.8	51.4	62.3	70.7	77.5	75.7	67.3	55.7	47.0	34.6	53.5	
	S. D.	11.235	10.751	9.448	8.919	8.896	7.493	6.550	6.978	7.313	7.816	8.925	10.863	19.127	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	30.8	33.9	44.2	54.9	65.3	73.8	80.6	78.6	70.3	58.9	50.2	37.8	56.7	
	S. D.	10.803	10.537	9.664	10.900	9.893	8.248	7.156	7.643	8.057	8.697	9.550	10.494	19.160	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	31.0	34.2	44.0	54.3	64.9	73.0	80.0	77.7	69.3	57.8	48.6	36.7	56.0	
	S. D.	10.287	9.832	9.172	10.461	9.679	8.350	6.982	7.624	7.671	8.208	8.917	10.295	18.802	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	27.6	30.3	39.4	49.2	59.2	67.6	74.4	71.6	62.4	51.6	44.2	33.4	51.0	
	S. D.	10.898	9.462	7.895	8.954	7.948	7.075	5.952	6.532	6.960	7.962	9.004	10.553	17.691	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
22	MEAN	26.1	28.2	37.0	45.6	54.9	62.4	68.8	67.9	59.8	49.3	42.7	31.9	48.0	
	S. D.	11.268	10.224	7.763	8.510	6.740	6.546	5.825	6.316	7.285	8.308	9.530	10.855	16.744	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	26.8	29.1	38.6	48.2	58.2	66.3	73.0	71.5	63.1	52.0	44.5	33.3	50.5	
	S. D.	11.763	11.155	9.655	10.365	9.609	8.978	8.385	8.379	8.928	9.426	9.951	11.356	18.453	
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29219	

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1479 SOUTH WEYMOUTH, MA

73-82

STATION		STATION NAME											YEARS															
HRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL		
01	MEAN	22.3	23.5	31.8	38.9	48.1	56.5	62.7	62.4	54.7	44.5	38.1	28.5	42.8														
	S. D.	11.754	11.032	9.013	8.457	7.027	6.792	6.277	6.681	8.262	9.064	9.911	11.500	16.432														
	TOTAL OBS	309	282	310	300	310	300	310	310	310	300	310	300	310	3651													
04	MEAN	21.7	22.5	30.8	37.9	47.1	55.5	61.9	61.4	53.7	43.7	37.4	27.8	41.9														
	S. D.	12.097	11.190	9.491	8.499	7.549	7.305	6.522	6.925	8.714	9.257	10.156	11.655	16.595														
	TOTAL OBS	309	282	310	300	310	300	310	310	310	300	310	300	310	3651													
07	MEAN	21.0	22.0	31.5	40.2	50.4	59.3	65.0	64.2	56.3	44.7	37.4	27.6	43.4														
	S. D.	12.539	11.421	9.473	8.085	6.794	6.018	5.355	6.172	7.328	8.845	10.082	11.860	17.605														
	TOTAL OBS	309	282	310	300	310	300	310	310	310	299	310	300	310	3650													
10	MEAN	24.6	26.7	35.7	43.6	53.6	61.9	67.5	66.9	59.8	49.5	41.8	31.2	47.0														
	S. D.	11.066	10.301	9.256	8.515	7.572	6.566	5.635	6.071	7.207	8.227	9.503	10.766	16.976														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	310	3652													
13	MEAN	27.1	29.3	37.9	45.5	54.9	63.1	68.4	67.8	60.9	50.8	43.5	33.1	48.6														
	S. D.	10.400	9.676	8.951	8.472	7.502	6.725	5.634	6.150	7.357	8.257	9.362	10.225	16.386														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	310	3652													
14	MEAN	27.1	29.5	37.6	45.1	54.6	62.8	68.5	67.4	60.4	50.2	42.2	32.3	48.2														
	S. D.	9.997	9.206	8.413	8.186	7.430	6.630	5.529	6.048	7.126	8.147	9.122	10.221	16.283														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	310	3652													
17	MEAN	24.7	26.8	34.7	42.2	51.8	60.4	66.6	65.0	57.1	46.8	39.6	29.9	45.6														
	S. D.	10.878	9.563	8.155	7.932	7.094	6.434	5.553	6.176	7.463	8.641	9.506	10.638	16.441														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	309	3651													
22	MEAN	23.5	25.2	33.1	40.3	49.8	57.8	64.0	63.2	55.5	45.3	38.6	28.9	43.9														
	S. D.	11.293	10.368	8.229	8.223	6.823	6.675	5.871	6.409	7.794	8.863	9.920	10.872	16.280														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	309	3651													
ALL HOURS	MEAN	24.1	25.7	34.2	41.7	51.3	59.7	65.6	64.8	57.3	46.9	39.8	29.9	45.2														
	S. D.	11.461	10.707	9.248	8.699	7.732	7.168	6.277	6.713	8.079	9.054	9.938	11.142	16.800														
	TOTAL OBS	2477	2256	2480	2400	2480	2400	2480	2480	2480	2399	2480	2400	2478	29210													

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEV-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14790

SOUTH WEYMOUTH, MA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
11	MEAN	15.1	15.1	24.5	32.1	43.3	53.4	60.1	59.7	51.4	40.1	32.1	21.4	37.5	
	S. D.	15.839	15.603	13.671	11.621	9.720	8.157	7.587	7.895	10.038	11.395	13.171	15.448	19.782	
	TOTAL OBS	329	282	310	300	310	300	310	310	300	310	300	310	3651	
14	MEAN	14.3	14.5	24.0	31.5	42.8	52.8	59.5	58.8	50.6	39.4	31.7	21.0	36.9	
	S. D.	15.146	15.427	13.646	11.504	10.095	8.612	7.745	8.124	10.389	11.590	13.129	15.468	19.820	
	TOTAL OBS	329	282	310	300	310	300	310	310	300	310	300	310	3651	
17	MEAN	13.7	14.4	25.1	33.3	44.9	55.5	61.5	61.2	53.2	40.7	31.8	21.0	38.2	
	S. D.	15.717	15.510	13.751	11.539	10.063	7.780	6.997	7.591	8.999	10.979	13.116	15.673	20.516	
	TOTAL OBS	329	282	310	300	310	300	310	310	299	310	300	310	3650	
17	MEAN	16.3	17.9	26.7	33.4	45.3	55.7	61.6	61.6	54.0	42.7	34.4	23.6	39.5	
	S. D.	15.720	14.438	14.079	12.316	11.434	8.998	7.771	8.027	9.842	11.506	13.548	15.018	19.887	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
17	MEAN	17.6	19.2	27.7	33.7	45.4	55.7	61.3	61.4	53.8	42.4	34.5	23.9	39.8	
	S. D.	15.336	13.646	13.783	12.320	11.266	9.444	8.043	8.157	10.331	11.758	13.557	14.924	19.475	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	17.0	18.9	27.1	33.4	45.1	55.8	61.9	61.4	53.5	41.9	33.3	23.1	39.5	
	S. D.	15.506	13.990	13.438	12.383	11.388	9.260	7.950	8.176	10.220	12.138	13.612	15.076	19.737	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
17	MEAN	15.9	17.2	25.8	32.5	44.2	55.2	61.8	60.8	52.7	41.1	32.5	22.0	38.6	
	S. D.	15.957	14.748	13.316	11.910	10.674	8.555	7.579	7.781	9.654	11.645	13.327	15.093	19.895	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
22	MEAN	15.3	16.5	25.4	32.5	44.4	54.3	61.0	60.1	51.7	40.5	32.1	21.4	38.1	
	S. D.	15.922	15.227	13.079	11.758	9.687	8.268	7.193	7.710	9.885	11.373	13.311	15.205	19.753	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	15.6	16.7	25.8	32.8	44.4	54.8	61.1	60.6	52.6	41.1	32.8	22.2	38.5	
	S. D.	15.918	14.925	13.633	11.928	10.587	8.706	7.648	7.978	9.983	11.588	13.370	15.258	19.885	
	TOTAL OBS	2477	2256	2480	2400	2480	2400	2480	2480	2399	2480	2400	2478	29210	

NAVWEASERVCOM

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JAN

STATION

EXAMINATION NAME

PERIOD

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RELATIVE HUMIDITY

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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	99.3	96.8	87.2	75.5	59.2	39.4	24.5	11.0	64.9	282
	14	100.0	100.0	97.9	90.9	77.3	62.4	43.3	25.2	12.4	66.2	282
	27	100.0	100.0	98.6	93.3	79.4	63.1	45.4	27.7	12.8	67.5	282
	10	100.0	93.9	96.1	85.6	71.6	50.4	33.7	22.0	11.7	62.7	282
	17	100.0	98.9	92.2	79.1	57.4	42.6	27.0	16.7	8.5	57.9	282
	24	100.0	98.2	90.4	73.8	53.9	39.4	28.7	20.9	8.2	57.0	282
	31	100.0	89.3	92.9	81.2	64.9	50.4	34.4	23.0	9.2	61.2	282
	22	100.0	98.9	96.8	83.7	73.9	53.9	38.3	22.7	11.0	64.0	282
TOTALS		100.0	99.2	95.2	84.4	69.2	53.3	36.3	22.3	10.6	62.7	2256

6

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14790

SOUTH DRYMOUTH, MA

73-82

MAF

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	96.6	88.7	78.1	64.5	46.6	30.0	12.9	67.5	310
	02	100.0	100.0	98.2	92.3	83.9	68.4	51.0	29.4	12.6	68.9	310
	03	100.0	100.0	97.1	91.3	83.5	68.7	55.5	34.5	18.1	70.8	310
	04	100.0	100.0	92.3	79.0	63.5	46.5	33.5	21.6	11.3	60.6	310
	05	100.0	98.4	87.7	71.6	56.1	38.4	26.5	18.4	9.7	56.3	310
	06	100.0	96.0	85.5	70.0	55.8	38.7	26.8	18.7	9.7	55.8	310
	07	100.0	98.7	91.9	82.6	67.7	49.7	35.8	22.9	11.0	61.7	310
	08	100.0	100.0	94.8	87.4	73.2	61.6	42.3	27.4	12.9	65.8	310
TOTALS		100.0	99.2	93.0	82.9	70.2	54.6	39.8	25.4	12.2	63.4	2490

OCEANAV-SMOS

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ADR

STATION

STATION NAME

PERIOD

MONTH

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6.

RELATIVE HUMIDITY

44Y

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	99.0	95.2	87.7	76.8	60.3	34.5	17.1	73.3	310
	04	100.0	100.0	99.7	97.4	91.3	80.6	62.9	43.2	19.0	75.6	310
	07	100.0	100.0	97.1	90.3	81.3	65.5	53.2	33.5	16.1	69.8	310
	10	100.0	98.7	89.0	74.5	59.0	40.3	30.0	19.4	9.7	57.9	310
	13	100.0	95.9	84.2	65.8	50.0	34.8	22.6	13.5	6.5	53.2	310
	16	100.0	95.5	83.5	65.5	51.3	34.8	26.1	15.5	6.5	53.5	310
	19	100.0	98.7	92.3	84.2	67.4	49.0	33.9	19.7	7.7	61.1	310
	22	100.0	100.0	99.0	93.5	85.8	70.0	50.6	32.6	11.9	70.2	310
TOTALS		100.0	98.6	93.0	83.3	71.7	56.5	42.5	26.5	11.8	64.3	2480

OCEANAV-SMOS

RELATIVE HUMIDITY

JUN

STATION

STATION NAME

PERIOD

MONTH

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	97.7	92.0	77.7	51.0	14.0	79.0	300
	04	100.0	100.0	100.0	99.7	99.0	94.7	82.3	54.3	20.0	81.0	300
	07	100.0	100.0	100.0	99.3	93.3	82.0	61.7	37.3	14.7	74.7	300
	10	100.0	100.0	98.3	89.0	73.0	46.3	30.7	17.0	7.0	61.3	300
	13	100.0	100.0	94.7	79.3	59.7	34.3	21.7	12.3	4.3	56.0	300
	16	100.0	99.7	95.3	82.0	59.7	38.0	26.7	16.0	4.0	57.8	300
	19	100.0	100.0	99.3	95.7	81.0	61.3	39.3	21.7	7.3	66.4	300
	22	100.0	100.0	100.0	99.7	95.7	86.7	67.7	39.7	10.7	75.9	300
TOTALS		100.0	100.0	98.5	93.1	82.4	66.9	51.0	31.2	10.3	69.0	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14790

SOUTH WEYMOUTH, MA

73-P2

JUL

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%		
JUL	01	100.0	100.0	100.0	99.7	97.4	93.2	79.0	53.9	17.7	80.0	310
	04	100.0	100.0	100.0	100.0	99.4	95.5	82.9	60.6	23.2	82.1	310
	07	100.0	100.0	100.0	100.0	96.5	83.9	61.0	38.4	12.6	74.5	310
	10	100.0	100.0	99.7	90.6	69.0	43.5	24.2	11.6	4.2	59.9	310
	13	100.0	100.0	96.8	79.7	52.9	31.0	17.1	7.4	2.6	54.1	310
	16	100.0	100.0	96.5	85.5	57.4	34.8	20.0	9.4	1.9	56.1	310
	19	100.0	100.0	100.0	96.1	82.3	63.9	43.5	20.3	5.8	66.7	310
	22	100.0	100.0	100.0	99.7	96.5	91.3	71.6	42.9	11.3	77.0	310
TOTALS		100.0	100.0	99.1	93.9	81.4	67.1	49.9	30.6	9.9	68.8	2450

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14790

SOUTH WYOMOUTH, MA

73-82

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%		
AUG	01	100.0	100.0	100.0	100.0	99.0	93.2	80.3	49.0	14.8	79.6	310
	04	100.0	100.0	100.0	100.0	99.4	96.1	80.3	54.6	16.1	80.5	310
	07	100.0	100.0	100.0	100.0	97.4	88.7	71.6	47.1	13.2	77.4	310
	10	100.0	100.0	100.0	94.2	77.4	54.5	30.6	16.1	3.9	63.2	310
	13	100.0	100.0	99.4	86.5	61.6	38.1	19.0	10.0	3.9	57.4	310
	16	100.0	100.0	98.4	86.1	67.1	42.6	28.7	12.6	4.8	59.6	310
	19	100.0	100.0	100.0	99.4	92.6	73.9	49.4	25.2	8.1	70.3	310
	22	100.0	100.0	100.0	99.7	97.1	91.0	73.2	46.1	11.0	77.2	310
TOTALS		100.0	100.0	99.7	95.7	86.5	72.3	54.1	32.6	9.5	70.7	2440

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14790

SOUTH WEYMOUTH, MA

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	97.0	91.0	71.7	46.7	15.3	78.2	300
	04	100.0	100.0	100.0	100.0	98.7	91.3	76.3	48.0	21.0	79.5	300
	07	100.0	100.0	100.0	100.0	96.7	87.3	75.6	54.2	21.7	79.6	299
	10	100.0	100.0	98.7	94.0	77.0	57.7	33.7	18.3	6.0	64.2	320
	13	100.0	100.0	95.7	84.0	63.7	39.3	25.0	16.0	5.0	58.5	300
	16	100.0	100.0	95.7	83.3	69.3	45.3	30.0	15.7	5.0	60.0	300
	19	100.0	100.0	100.0	97.7	92.7	78.7	52.7	31.7	10.7	72.0	300
	22	100.0	100.0	100.0	99.0	92.7	85.3	67.7	41.0	15.3	75.9	300
TOTALS		100.0	100.0	98.8	94.8	86.0	72.0	54.1	34.0	12.5	71.0	2399

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14796

SOUTH WEYMOUTH, MA

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	99.0	94.8	80.6	61.0	40.3	14.7	75.2	310
	04	100.0	100.0	100.0	100.0	94.8	82.9	62.3	38.7	19.4	75.9	310
	07	100.0	100.0	100.0	99.4	95.5	84.8	68.1	45.8	20.3	77.4	310
	10	100.0	100.0	99.7	92.9	72.3	50.3	34.8	22.3	9.4	63.9	310
	13	100.0	100.0	95.5	78.4	55.2	37.4	25.5	15.8	7.4	57.4	310
	16	100.0	99.7	94.5	79.0	59.0	43.5	29.0	18.4	10.0	58.9	310
	19	100.0	100.0	99.4	97.1	86.1	65.5	45.2	27.4	12.9	69.2	310
	22	100.0	100.0	100.0	98.1	92.6	77.7	56.5	34.2	13.5	73.2	310
TOTALS		100.0	100.0	98.6	93.0	81.3	65.3	47.8	30.4	14.0	68.9	2440

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14790

SOUTH WEYMOUTH, MA

73-82

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	99.7	96.3	86.0	66.0	50.0	30.7	14.7	70.0	300
	04	100.0	100.0	100.0	97.7	88.7	70.7	49.7	29.3	15.0	71.1	300
	07	100.0	100.0	100.0	97.0	90.7	73.0	52.0	34.0	15.3	72.1	300
	10	100.0	100.0	99.0	98.3	66.7	54.3	39.0	23.0	13.3	64.2	300
	13	100.0	100.0	94.3	75.0	58.0	39.3	28.3	17.7	7.7	57.9	300
	16	100.0	100.0	93.7	78.7	60.0	42.3	30.0	18.0	9.0	58.6	300
	19	100.0	100.0	98.7	90.7	75.3	58.3	39.3	23.7	10.7	65.6	300
	22	100.0	100.0	99.7	95.3	80.7	64.3	45.3	27.3	12.7	68.1	300
TOTALS		100.0	100.0	98.1	89.9	75.8	58.5	41.7	25.5	12.3	66.0	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14701 SOUTH Weymouth, MA

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	99.7	98.1	91.9	82.4	68.4	48.7	28.4	11.3	68.5	310
	04	100.0	99.4	98.4	94.5	85.8	69.0	51.3	29.4	10.3	69.4	310
	07	100.0	99.7	98.4	94.2	85.5	71.9	55.5	33.5	13.9	71.0	310
	10	100.0	99.4	95.8	90.0	79.7	60.6	41.3	25.2	14.2	66.3	310
	13	100.0	98.4	92.9	82.9	64.8	43.2	30.6	20.6	10.3	60.2	310
	16	100.0	98.7	93.2	82.9	65.8	46.8	33.2	21.6	11.3	60.9	310
	19	100.0	98.7	97.1	88.3	76.1	60.8	40.8	23.9	10.0	65.2	309
	22	100.0	99.7	98.1	90.3	79.0	67.0	48.2	26.9	9.7	67.3	309
TOTALS		100.0	99.2	96.5	89.4	77.4	61.0	43.7	26.2	11.4	66.1	2478

OCEANAV-SMOS

3
NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

14720

SOUTH Weymouth, MA

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	ALL	100.0	99.4	96.2	88.3	74.2	57.8	41.2	25.6	12.4	65.0	2477
FEB.		100.0	99.2	95.2	84.4	69.2	53.3	36.3	22.8	10.6	62.7	2256
MAR.		100.0	99.2	93.0	82.9	70.2	54.6	39.8	25.4	17.2	63.4	2480
APR.		100.0	98.0	90.1	78.3	63.3	47.4	32.5	18.2	7.5	59.2	2400
MAY.		100.0	98.6	93.0	83.3	71.7	56.5	42.5	26.5	11.8	64.3	2480
JUN.		100.0	100.0	98.5	93.1	82.4	66.9	51.0	31.2	10.3	69.0	2400
JUL.		100.0	100.0	99.1	93.9	81.4	67.1	49.9	30.6	9.9	68.8	2480
AUG.		100.0	100.0	99.7	95.7	86.5	72.3	54.1	32.6	9.5	70.7	2480
SEP.		100.0	100.0	98.8	94.8	86.0	72.0	54.1	34.0	12.5	71.0	2399
OCT.		100.0	100.0	98.6	93.0	81.3	65.3	47.8	30.4	14.0	68.9	2480
NOV.		100.0	100.0	98.1	89.9	75.8	58.5	41.7	25.5	12.3	66.0	2400
DEC.		100.0	99.2	96.5	89.4	77.4	61.0	43.7	26.2	11.4	66.1	2478
TOTALS		100.0	99.5	96.4	88.9	76.6	61.1	44.6	27.4	11.2	66.3	29210

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

JANUARY 1977-DECEMBER 1982
YEARS

JANUARY
MONTH

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											
67 TO 71											
62 TO 66							100.0			1	.0
57 TO 61					35.0	45.0	20.0			2	.8
52 TO 56			2.0	4.0	54.0	38.0		2.0		60	2.0
47 TO 51	1.7	3.3	1.7	3.3	36.7	13.3	25.0	10.0	5.0	60	2.0
42 TO 46	5.7	5.7	6.7	2.9	24.8	21.0	16.2	14.3	2.9	105	4.2
37 TO 41	6.4	9.3	6.8	5.5	14.4	16.9	20.8	16.1	3.8	236	9.5
32 TO 36	11.4	7.6	5.9	6.2	8.1	11.9	21.1	18.9	8.9	370	14.9
27 TO 31	14.1	5.1	3.7	2.3	6.3	12.0	23.4	18.8	14.4	432	17.4
22 TO 26	14.7	2.6	.9	.5	5.2	14.2	26.2	24.3	11.3	423	17.1
17 TO 21	19.0	2.5		.9	4.0	11.0	27.6	22.1	12.9	326	13.1
12 TO 16	11.8	.5	.9	1.4	3.3	10.4	28.9	23.2	19.4	211	8.5
7 TO 11	12.2				1.4	10.8	23.0	30.9	21.6	139	5.6
2 TO 6	13.0				2.9	10.1	24.6	34.8	14.5	69	2.8
-3 TO 1					4.0	8.0	52.0	24.0	12.0	2	1.0
-8 TO -4				8.3			58.3	16.7	16.7	17	.5
-13 TO -9								100.0		1	.0
-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	12.1	4.0	2.8	2.5	8.9	13.5	24.0	20.6	11.5	2497	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

NO. OF DAYS

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											
67 TO 71							100.0			1	.0
62 TO 66						50.0	50.0			2	.1
57 TO 61				16.7	33.3	16.7	33.3			18	.8
52 TO 56			7.0	14.0	32.6	27.9	11.6	4.7	2.3	43	1.9
47 TO 51	3.8	1.3	3.0	12.8	23.1	32.1	10.3	11.5	1.3	79	3.5
42 TO 46	6.9	5.5	2.8	4.1	14.5	32.4	21.4	8.3	4.1	145	6.4
37 TO 41	14.0	8.2	5.8	2.7	15.2	14.8	19.5	13.2	6.6	257	11.4
32 TO 36	17.0	11.8	7.6	4.5	12.1	7.3	19.6	12.8	7.3	423	18.8
27 TO 31	15.5	9.6	4.3	1.6	7.5	7.5	20.1	18.4	15.5	374	16.6
22 TO 26	16.6	6.0	1.2	.6	5.4	4.2	24.7	24.1	17.2	332	14.7
17 TO 21	21.2	2.9			3.3	4.8	24.9	25.6	17.2	273	12.1
12 TO 16	15.5	1.1			1.6	7.0	19.8	38.0	17.1	187	8.3
7 TO 11	7.3				3.7	2.4	17.1	47.6	22.0	82	3.6
2 TO 6	3.3				3.3		10.0	63.3	20.0	30	1.3
-3 TO 1							10.0	90.0		1	.4
-8 TO -4									100.0	1	.0
-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	6.5	3.4	2.6	9.4	10.1	20.6	20.7	12.2	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14730

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

MARCH

STATION

STATION NAME

YEAR

MONTH

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					100.0					1	.0
72 TO 76					40.0	40.0			20.0	5	.2
67 TO 71					37.5	25.0	12.5	25.0		5	.3
62 TO 66		4.2	4.2	8.3	33.3	25.0	20.8	4.2		24	1.0
57 TO 61	6.1	2.0	2.0	6.1	20.4	38.8	18.4	6.1		49	2.0
52 TO 56	4.4	2.5	1.9	5.0	40.6	23.8	13.8	3.8	4.4	167	6.5
47 TO 51	8.9	3.6	4.0	4.9	29.9	12.9	16.5	12.9	6.3	224	9.0
42 TO 46	9.3	7.9	6.4	3.7	20.6	11.8	19.7	11.8	8.8	407	16.4
37 TO 41	11.1	12.9	11.8	2.7	9.8	8.5	17.5	14.0	12.0	549	22.1
32 TO 36	13.1	10.6	5.9	2.4	10.7	4.4	19.8	16.5	16.5	547	21.8
27 TO 31	11.8	5.2	4.2	3.1	8.7	2.4	21.6	19.5	23.3	287	11.6
22 TO 26	11.9	1.5	1.5		2.2	3.7	26.9	34.3	17.9	134	5.4
17 TO 21	12.1				3.4	1.7	27.6	37.9	17.2	55	2.3
12 TO 16	29.6	3.7				7.4	14.5	22.2	14.5	27	1.1
7 TO 11	25.0						25.0	25.0	25.0	4	.2
2 TO 6								100.0		3	.1
-2 TO 1											
-8 TO -4											
-13 TO -8											
-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											
SPR. LWR											
TOTALS	10.7	7.7	5.1	3.1	15.4	9.2	19.2	15.7	12.9	2427	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14797
STATION

SOUTH WEYMOUTH, MA

STATION NAME

JANUARY 1973-DECEMBER 1992

YEARS

APRIL

MONTH

HOURS PER DAY

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					1	.0
87 TO 91							100.0			2	.1
82 TO 86			16.7		33.3		33.3	16.7		6	.3
77 TO 81	13.3			6.7	26.7	33.3	20.0			15	.6
72 TO 76	3.1	3.1		3.1	40.6	21.9	21.9	6.3		32	1.3
67 TO 71	4.5	1.5	1.5	3.0	22.4	29.9	23.9	9.0	4.5	67	2.8
62 TO 66	4.3	5.1	3.6	4.3	17.4	24.6	18.1	17.4	5.1	134	5.8
57 TO 61	5.6	5.2	5.6	2.6	19.9	27.7	16.5	11.3	5.6	231	9.6
52 TO 56	8.2	5.1	4.2	3.7	19.2	21.2	15.3	16.9	6.2	354	14.8
47 TO 51	10.6	9.1	7.6	3.8	12.4	15.9	18.4	17.4	4.8	396	16.5
42 TO 46	11.3	14.9	11.9	3.8	6.5	8.7	16.2	15.8	10.9	505	21.0
37 TO 41	16.1	10.6	7.1	2.9	7.1	3.4	21.4	14.1	15.3	379	15.8
32 TO 36	12.1	2.9	5.8	1.0	5.8	5.8	19.8	23.2	23.7	207	8.6
27 TO 31	14.3	2.0	4.1		4.1	6.1	18.4	30.6	20.4	49	2.0
22 TO 26	9.1							81.8	9.1	11	.5
17 TO 21								100.0		6	.3
12 TO 16								100.0		1	.0
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.3	8.2	6.9	3.2	12.3	14.2	18.0	17.0	9.9	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEARS

MONTH

NO. OF RECORDS

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				1	.0
87 TO 91					30.8	30.8	30.8	7.7		13	.5
82 TO 86				3.2	19.4	38.7	22.6	16.1		31	1.3
77 TO 81	5.9	1.5	5.9	2.9	22.1	20.6	27.9	18.3	2.9	68	2.7
72 TO 76	5.6	4.0	5.6	3.2	25.0	27.4	21.0	8.1		124	5.0
67 TO 71	5.4	2.7	8.6	7.7	25.3	24.9	15.4	7.2	2.7	221	8.9
62 TO 66	6.7	8.0	10.1	6.2	26.4	16.3	11.1	10.3	4.9	387	15.6
57 TO 61	11.5	10.2	7.1	3.8	28.3	14.2	11.0	7.9	6.0	480	19.4
52 TO 56	14.5	18.1	6.4	4.0	19.4	8.9	9.8	6.2	12.8	531	21.4
47 TO 51	13.0	21.5	8.2	2.8	18.2	5.4	7.9	9.2	13.8	391	15.8
42 TO 46	14.7	16.8	5.4	3.8	8.7	2.7	5.4	8.7	33.7	184	7.4
37 TO 41	17.5	15.0	2.5	2.5	2.5	2.5	5.0	12.5	40.0	40	1.6
32 TO 36		11.1				22.2	33.3	11.1	22.2	9	.4
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.7	12.5	7.3	4.3	21.8	13.2	11.5	8.4	10.4	2400	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JUNE
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						25.0	75.0			4	.2
87 TO 91	3.6				10.7	25.0	50.0	10.7		28	1.2
82 TO 86	2.2			3.2	12.9	39.8	34.4	7.5		93	3.9
77 TO 81	5.1	3.0	4.5	3.5	32.8	21.2	16.2	9.6	4.0	198	8.3
72 TO 76	6.1	3.4	7.3	5.0	33.0	22.1	9.5	11.2	2.5	358	14.9
67 TO 71	6.2	3.8	6.4	4.5	35.6	19.2	9.2	9.4	5.8	469	19.5
62 TO 66	4.6	9.4	8.2	3.1	30.2	14.9	10.5	9.0	10.3	524	21.8
57 TO 61	12.2	12.0	7.6	3.1	20.1	7.3	14.1	6.3	17.4	384	16.0
52 TO 56	15.8	19.7	5.1	2.1	13.2	7.3	7.7	6.0	23.1	234	9.8
47 TO 51		10.1	6.7	3.4	12.4	5.6	12.4	6.7	42.7	89	3.7
42 TO 46		5.3			5.3		5.3	5.3	78.9	19	.8
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	7.2	7.8	6.5	3.5	26.8	16.0	12.4	8.5	11.3	2400	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME

YEARS

MONTH

NO. OF

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					50.0	25.0	25.0			4	.2
92 TO 96					2.7	27.0	56.8	13.5		37	1.5
87 TO 91		1.0	4.9		19.4	28.2	36.9	6.8	2.9	103	4.2
82 TO 86	4.5	2.3	3.4	2.6	18.8	27.1	27.8	9.8	3.8	266	10.7
77 TO 81	6.0	3.2	7.5	3.0	28.6	24.9	16.2	7.0	3.7	402	16.2
72 TO 76	7.9	6.2	5.8	3.1	32.8	17.2	12.2	5.7	9.3	583	23.5
67 TO 71	10.4	3.8	6.0	4.2	24.9	15.7	7.9	9.6	17.5	530	21.4
62 TO 66	11.3	3.8	3.0	4.1	18.1	9.3	9.9	12.1	28.3	364	14.7
57 TO 61	7.5	3.0	3.0		11.3	8.3	6.8	9.8	50.4	133	5.4
52 TO 56	8.2	12.2	4.1		4.1	2.0	20.4	4.1	46.9	49	2.0
47 TO 51					12.5		12.5		75.0	8	.3
42 TO 46									100.0	1	.0
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	7.7	4.0	5.1	3.0	24.0	17.8	14.8	8.4	15.1	248	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790
STATION

SOUTH WEYMOUTH, MA
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
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							100.0			1	.0
97 TO 101	100.0									1	.0
92 TO 96	12.5	6.3	6.3		6.3	25.0	37.5	6.3		16	.6
87 TO 91	3.3	3.3	5.4	3.3	16.3	21.7	35.9	8.7	2.2	92	3.7
82 TO 86	4.0	4.9	4.0	3.1	17.0	24.1	28.6	9.8	4.5	224	9.0
77 TO 81	6.7	4.9	7.8	2.3	27.5	20.3	15.4	7.2	7.8	345	13.9
72 TO 76	6.3	6.3	7.4	2.6	24.3	19.7	13.9	7.1	12.3	538	21.7
67 TO 71	9.9	9.5	5.7	5.1	24.3	13.6	8.7	7.3	15.8	493	19.9
62 TO 66	19.3	10.3	4.0	3.4	13.9	7.1	5.7	7.8	28.4	524	21.1
57 TO 61	7.0	10.7	.5	.5	15.0	3.2	7.0	11.8	44.4	187	7.5
52 TO 56	12.5	10.4			10.4		8.3	4.2	54.2	47	1.9
47 TO 51	11.1						22.2	11.1	55.6	9	.4
42 TO 46									100.0	2	.1
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	7.7	5.3	3.1	20.4	14.7	13.1	7.9	18.1	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982 SEPTEMBER

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				1	.0
87 TO 91						50.0	41.7	8.3		12	.5
82 TO 86	2.1		6.4	2.1	8.5	25.5	40.4	12.8	2.1	47	2.0
77 TO 81	5.6	1.9	2.8	4.6	21.3	35.2	17.6	6.5	4.6	108	4.5
72 TO 76	3.8	2.3	4.1	4.9	27.8	27.4	19.9	5.3	4.5	266	11.1
67 TO 71	4.5	4.5	6.7	4.5	27.5	17.1	15.2	11.2	8.6	374	15.6
62 TO 66	11.0	11.9	5.9	4.2	19.0	12.8	12.3	10.3	12.4	546	22.8
57 TO 61	15.4	21.2	6.0	4.5	12.3	5.3	8.0	8.2	19.3	514	21.4
52 TO 56	16.6	9.3	6.1	1.6	8.0	4.2	7.7	13.4	33.2	313	13.0
47 TO 51	5.8	2.2	2.2	.7	9.4	4.3	10.1	13.0	52.2	138	5.8
42 TO 46	1.6	1.6			6.3		6.3	12.7	71.4	63	2.6
37 TO 41					13.3		13.3	13.3	60.0	15	.6
32 TO 36									100.0	3	.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	9.8	9.7	5.3	3.7	17.3	12.9	12.7	9.9	15.8	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14730

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

HOURS U.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	.0
77 TO 81			11.1		11.1	33.3	44.4			9	.4
72 TO 76	6.5		4.3	2.2	32.6	28.3	21.7	2.2	2.2	46	1.9
67 TO 71	3.8		5.7	4.8	21.9	33.3	19.0	8.6	2.9	105	4.2
62 TO 66	5.0	5.5	6.0	3.7	28.4	23.4	13.3	8.7	6.0	218	8.8
57 TO 61	10.6	8.5	4.9	6.8	22.1	16.4	12.9	8.2	9.6	426	17.2
52 TO 56	12.0	12.0	8.6	2.7	10.5	13.5	17.9	9.5	13.1	474	19.1
47 TO 51	14.9	10.9	7.3	2.5	8.6	11.5	15.5	12.0	17.0	524	21.1
42 TO 46	15.0	6.2	2.9	2.1	5.3	10.9	15.9	16.8	25.0	340	13.7
37 TO 41	11.3			.5	9.3	4.6	10.3	16.5	47.4	194	7.8
32 TO 36	5.1				5.1	7.6	7.6	26.3	48.3	118	4.8
27 TO 31					8.3		12.5	20.8	58.3	24	1.0
22 TO 26									100.0	1	.0
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	11.2	7.4	5.3	3.1	13.5	14.2	15.0	12.0	18.5	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

NOVEMBER

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											
77 TO 81											
72 TO 76					23.1	46.2	15.4	15.4		13	.5
67 TO 71				8.3	39.1	26.1	26.1	4.3		23	1.0
62 TO 66		1.0	1.0	3.1	49.0	23.5	15.3	4.1	3.1	98	4.1
57 TO 61	5.2	5.2	3.9	4.5	32.3	23.2	14.2	6.5	5.2	155	6.5
52 TO 56	7.2	10.0	4.7	2.2	23.7	20.1	14.0	9.3	9.0	279	11.6
47 TO 51	9.8	12.4	6.6	4.4	13.4	11.5	22.2	10.2	9.5	410	17.1
42 TO 46	15.8	8.4	7.4	2.3	8.6	9.8	21.3	13.1	13.3	488	20.3
37 TO 41	8.4	3.9	1.0	2.4	8.1	8.7	28.9	20.2	18.4	381	15.9
32 TO 36	14.7	2.0	.9	.9	7.8	9.5	18.8	20.5	24.9	346	14.4
27 TO 31	10.6		.7		3.3	6.0	16.6	26.5	36.4	151	6.3
22 TO 26	11.4		2.3		6.8	4.5	13.6	22.7	38.6	44	1.8
17 TO 21	16.7						25.0	41.7	16.7	17	.5
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.5	6.3	3.8	2.4	14.1	12.5	20.3	14.7	15.4	2400	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14790

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS U.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											
67 TO 71											
62 TO 66					12.5	62.5	25.0			8	.3
57 TO 61	2.0				32.0	48.0	10.0	8.0		50	2.0
52 TO 56	2.1		1.1	5.3	40.0	38.8	7.4	4.2	4.2	95	3.8
47 TO 51	1.3	.7	5.9	3.9	27.0	32.9	9.9	11.8	6.6	152	6.1
42 TO 46	6.4	5.8	7.1	4.0	19.1	16.0	21.3	12.9	5.3	225	9.1
37 TO 41	13.7	6.9	6.0	3.0	10.4	14.0	20.6	15.9	9.3	364	14.7
32 TO 36	15.0	8.4	2.1	3.0	9.2	12.9	17.6	17.6	14.1	573	23.1
27 TO 31	17.9	1.5	1.2	1.2	5.9	8.1	19.1	22.3	22.8	408	16.5
22 TO 26	16.9	1.6	.8	2.5	6.2	3.3	26.3	25.5	16.9	243	9.8
17 TO 21	11.8	2.2	1.1	1.1	6.5	7.0	29.0	16.7	24.7	186	7.5
12 TO 16	13.5		1.0		4.2	7.3	37.5	17.7	18.8	96	3.9
7 TO 11	22.0				2.4	4.9	31.7	26.8	12.2	41	1.7
2 TO 6				5.3	5.3	15.8	15.8	36.8	21.1	19	.8
-3 TO 1	16.7				8.3	8.3	8.3	8.3	50.0	12	.5
-8 TO -4	20.0				20.0		20.0	20.0	20.0	5	.2
-13 TO -9									100.0	1	.0
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	4.1	2.8	2.5	11.7	13.8	20.3	17.6	14.4	2478	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14720

SOUTH WEYMOUTH, MA

JANUARY 1973-DECEMBER 1982

ELL

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							100.0			1	.0
97 TO 101	20.0				40.0	20.0	20.0			5	.0
92 TO 96	3.3	1.7	1.7		5.0	28.3	50.0	10.0		60	.2
87 TO 91	1.6	1.6	4.0	1.2	16.8	26.4	38.4	8.0	2.0	250	.9
82 TO 86	3.6	2.5	3.3	2.8	16.8	28.0	29.8	10.0	3.1	668	2.3
77 TO 81	6.0	3.4	6.5	3.1	27.8	23.7	17.0	7.5	5.0	1146	3.9
72 TO 76	6.3	4.8	6.1	3.5	29.4	21.4	14.1	7.1	7.3	1965	6.7
67 TO 71	7.4	4.8	6.2	4.8	27.4	18.4	11.5	9.0	10.6	2291	7.8
62 TO 66	9.5	8.3	5.9	4.1	22.8	14.2	10.9	9.7	14.7	2834	9.7
57 TO 61	10.4	10.8	5.3	3.9	20.7	13.8	11.7	8.2	15.4	2647	9.1
52 TO 56	11.1	11.0	5.5	3.2	18.8	14.3	12.2	9.0	15.0	2630	9.0
47 TO 51	9.9	10.2	6.4	3.6	15.9	12.7	15.3	12.0	14.1	2479	8.5
42 TO 46	11.5	9.2	6.8	3.1	11.6	11.6	17.4	13.3	15.6	2484	8.5
37 TO 41	11.8	8.3	6.2	2.8	10.1	9.5	20.1	15.9	15.4	2415	8.3
32 TO 36	13.6	7.6	4.4	3.0	9.2	8.8	18.8	18.0	16.6	2589	8.9
27 TO 31	14.4	4.6	3.0	1.7	6.6	7.7	20.5	20.7	20.8	1725	5.9
22 TO 26	15.2	3.1	1.1	.8	5.1	7.5	25.2	26.1	15.9	1188	4.1
17 TO 21	17.5	2.3	.2	.6	4.2	7.3	26.8	23.9	17.1	861	2.9
12 TO 16	14.4	.8	.6	.6	2.7	8.4	26.6	27.6	18.4	522	1.8
7 TO 11	12.4				2.3	7.1	22.6	35.3	20.3	266	.9
2 TO 6	8.3			.8	3.3	8.3	19.0	43.8	16.5	121	.4
-3 TO 1	4.3				4.3	6.4	31.9	34.0	19.1	47	.2
-8 TO -4	5.6				5.6	5.6	44.4	16.7	22.2	18	.1
-13 TO -9								50.0	50.0	2	.0
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.6	7.2	5.1	3.1	16.3	13.5	16.8	13.4	14.1	29714	100.0

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

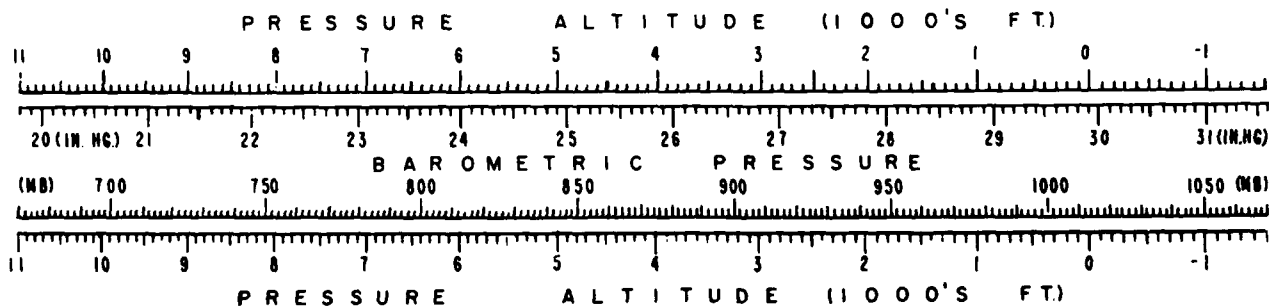
PART F

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.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1472 SOUTH WYOMOUTH, MA

73-82

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		
		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
01	MEAN S. D. TOTAL OBS	1014.9 11.998 310 1016.3 10.439 282 1015.2 10.351 310 1014.0 8.803 300 1014.7 6.146 310 1014.9 6.508 300 1014.7 5.423 310 1016.7 4.483 310 1017.5 6.112 300 1017.5 8.590 310 1016.7 9.416 300 1016.3 10.642 310 1015.8 8.505 3652
04	MEAN S. D. TOTAL OBS	1015.0 11.955 310 1016.1 10.601 282 1014.8 10.546 310 1013.9 8.837 300 1014.6 6.301 310 1014.8 6.573 300 1014.7 5.501 310 1016.6 4.500 310 1017.3 6.216 300 1017.4 8.590 310 1016.6 9.515 300 1016.2 10.761 310 1015.7 8.584 3652
07	MEAN S. D. TOTAL OBS	1015.5 11.052 310 1016.7 10.615 282 1015.7 10.517 310 1014.8 8.854 300 1015.5 6.413 310 1015.5 6.655 300 1015.5 5.514 310 1017.5 4.600 310 1018.1 6.283 300 1018.3 8.563 310 1017.3 9.620 300 1016.7 10.995 310 1016.4 8.647 3652
11	MEAN S. D. TOTAL OBS	1016.2 11.298 310 1017.0 10.458 282 1015.8 10.524 310 1014.5 8.882 300 1015.3 6.436 310 1015.4 6.775 300 1015.3 5.489 310 1017.5 4.720 310 1018.2 6.377 300 1018.3 8.618 310 1017.6 9.710 300 1017.3 11.135 310 1016.5 8.723 3652
13	MEAN S. D. TOTAL OBS	1014.1 11.222 310 1015.3 10.125 282 1014.4 10.350 310 1013.2 8.786 300 1014.3 6.300 310 1014.6 6.783 300 1014.5 5.457 310 1016.6 4.761 310 1017.0 6.383 300 1016.9 8.558 310 1015.9 9.595 300 1015.5 10.954 310 1015.2 8.607 3652
16	MEAN S. D. TOTAL OBS	1014.1 11.217 310 1015.0 9.792 281 1013.7 10.130 310 1012.5 8.631 300 1013.6 6.063 310 1014.0 6.696 300 1013.9 5.384 310 1016.0 4.685 310 1016.4 6.320 300 1016.5 8.505 310 1016.0 9.176 300 1015.7 10.724 310 1014.8 8.455 3651
17	MEAN S. D. TOTAL OBS	1015.0 11.232 310 1016.1 9.739 282 1014.7 9.971 310 1013.4 8.589 300 1014.2 5.858 310 1014.4 6.561 300 1014.3 5.333 310 1016.4 4.516 310 1017.1 6.107 300 1017.4 8.467 310 1016.8 9.008 300 1016.5 10.601 309 1015.5 8.363 3651
22	MEAN S. D. TOTAL OBS	1015.1 11.275 310 1016.4 9.968 282 1015.2 10.099 310 1014.2 8.634 300 1015.0 5.842 310 1015.2 6.491 300 1015.0 5.297 310 1017.1 4.408 310 1017.6 6.053 300 1017.7 8.735 310 1017.0 9.021 300 1016.6 10.587 309 1016.0 8.390 3651
ALL HOURS	MEAN S. D. TOTAL OBS	1015.0 11.159 2980 1016.1 10.225 2255 1014.9 10.318 2980 1013.8 8.767 2900 1014.7 6.190 2980 1014.9 6.638 2500 1014.7 5.440 2980 1016.8 4.604 2980 1017.4 6.247 2900 1017.5 8.587 2980 1016.7 9.389 2900 1016.4 10.800 2978 1015.7 8.551 29213

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14730 SOUTH Weymouth, MA

73-82

STATION		STATION NAME												YEARS	
HRS.(LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
1	MEAN	29.794	29.834	29.804	29.772	29.794	29.801	29.798	29.855	29.876	29.876	29.850	29.835	29.874	
	S. D.	.322	.304	.304	.258	.181	.192	.159	.132	.180	.252	.276	.312	.249	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
2	MEAN	29.796	29.829	29.792	29.767	29.791	29.796	29.795	29.851	29.869	29.872	29.848	29.834	29.870	
	S. D.	.321	.310	.310	.259	.185	.194	.162	.133	.182	.252	.279	.316	.252	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
3	MEAN	29.811	29.846	29.818	29.794	29.815	29.818	29.818	29.876	29.895	29.897	29.868	29.848	29.842	
	S. D.	.324	.310	.309	.260	.188	.196	.162	.136	.185	.252	.282	.322	.254	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
4	MEAN	29.832	29.856	29.822	29.786	29.811	29.816	29.814	29.877	29.898	29.900	29.877	29.868	29.846	
	S. D.	.331	.306	.309	.261	.189	.200	.162	.139	.188	.253	.285	.326	.256	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
5	MEAN	29.772	29.808	29.782	29.749	29.782	29.792	29.792	29.853	29.864	29.858	29.829	29.814	29.808	
	S. D.	.329	.296	.304	.259	.185	.200	.161	.140	.188	.251	.281	.321	.253	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
6	MEAN	29.772	29.797	29.763	29.728	29.763	29.777	29.774	29.834	29.846	29.846	29.830	29.820	29.796	
	S. D.	.329	.287	.298	.254	.178	.197	.158	.138	.186	.249	.270	.314	.248	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
7	MEAN	29.797	29.830	29.790	29.755	29.779	29.789	29.785	29.846	29.866	29.873	29.855	29.845	29.817	
	S. D.	.329	.285	.293	.252	.172	.192	.155	.133	.180	.249	.264	.311	.245	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
8	MEAN	29.802	29.840	29.805	29.779	29.802	29.810	29.806	29.866	29.881	29.882	29.859	29.846	29.831	
	S. D.	.330	.291	.297	.253	.171	.191	.155	.130	.178	.256	.265	.310	.246	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	29.797	29.830	29.797	29.766	29.792	29.800	29.797	29.857	29.874	29.876	29.852	29.839	29.823	
	S. D.	.327	.299	.303	.258	.182	.195	.160	.136	.184	.252	.275	.316	.251	
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29219	

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