

1.0

1.1

1.25

NBS  
1963-A

1.4

2.8

3.2

3.6

4.0

1.8

2.0

2.2

2.5

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

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DTIC ACCESSION NUMBER

SMOS, Beaufort, SC  
DOCUMENT IDENTIFICATION  
Aug 1984

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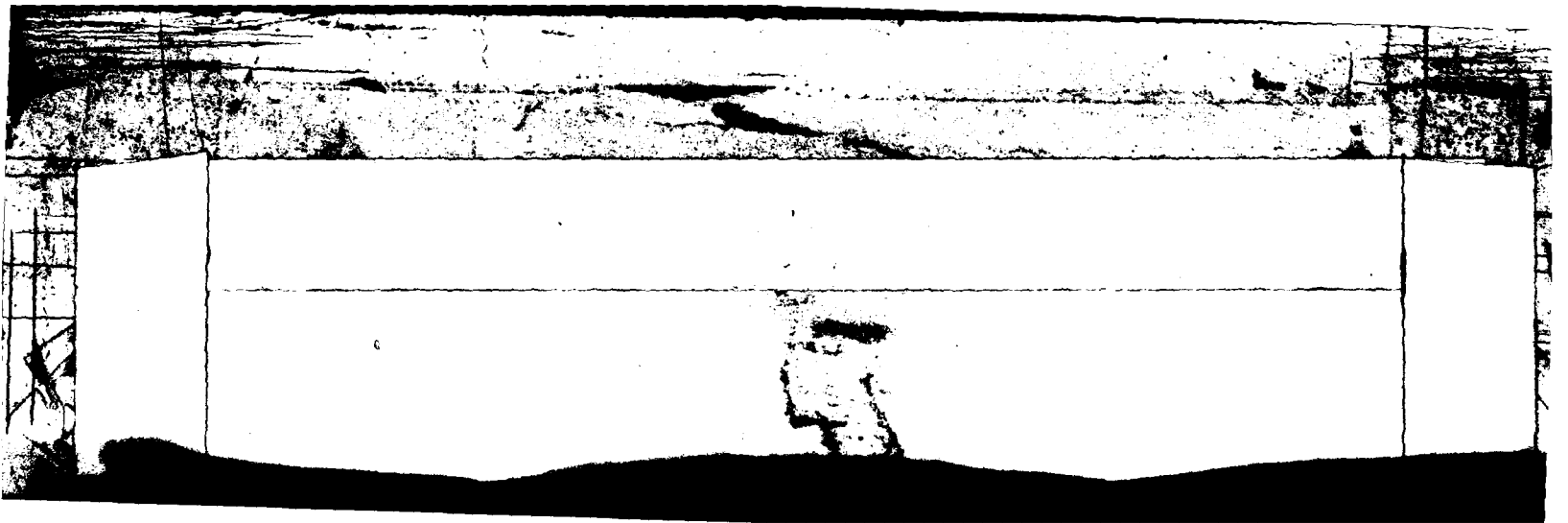
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part 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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## 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. OR SUMMARY 93831	STATION NAME Beaufort, S. C.	LATITUDE 32° 28' N	LONGITUDE 80° 43' W	STATION ELEV. (FT) 38	CALL SIGN KNBC	WMO NUMBER
---------------------------------	---------------------------------	-----------------------	------------------------	--------------------------	-------------------	------------

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF SAPO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	MCAS	1958	1963	32° 28' N	80° 43' W	31.55	Tonnellot	24
2.	Weather Service office (new barometer installed)	"	1963	1965	"	"	"	"	24
3.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1965	1968	"	"	"	Fortin	24
4.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1968		"	"	Ht above Ground 6.0	"	24
1a.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1960		"	"	8.5	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	Atop operations building	AN/UMQ-5	RD-108	45'	1. Aneroid Barometer (ML-448/UM) 2. Barograph (ML-3-D) 3. Semi-auto Met Station (AN/GMQ-29) 4. *Cloud height set (AN/GMQ-13) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10) 7. Radar (AN/FPS-106) 8. Weathervision (GMQ-19V)  *Two sets in use.
2.	1960	Eleven hundred feet north of Bldg 600, and twelve hundred feet south of the intersection of the runways.	"	"	12'	

MOCD, Federal Building  
Asheville, NC

2  
 NAVAL WEATHER SERVICE  
 DETACHMENT  
 ASHEVILLE, NC

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

SURFACE WINDS

70701  
 STATION

DIEGO GARCIA ISLAND  
 STATION NAME

74-79  
 YEARS

FEB  
 MONTH

ALL WEATHER  
 CLASS

11  
 HOURS (L.S.T.)

WIND (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.0	1.2	.6								5.4	6.3
NNE	2.4	1.8										4.2	3.7
NE		.6	.6									1.2	7.0
NNE	.6											.6	3.0
E		4.8	3.0	.6								8.3	6.6
ESE		.6	1.2									1.8	7.0
SE				.6								.6	12.0
SSE		1.2	2.4									3.6	6.8
S	1.2	2.4	.6									4.2	4.3
SSW	1.2	3.0	3.0									7.1	5.7
SW	1.2	2.4	.6									4.2	4.7
WSW		1.2	4.2	1.8								7.7	8.1
W	.6	7.1	9.5	1.8								19.0	7.6
WNW		2.4	5.4	4.2	.6							12.5	10.0
NW		3.0	3.6	2.4								8.9	9.2
NNW	.6	1.2	3.0	3.6								8.3	9.8
VARS													
CALM												2.4	
	8.3	35.1	38.1	15.5	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 168

8808



NOCD, Federal Building  
Asheville, N. C.

## PART A

## WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

# WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION NAME S A FOST, SC YEAR 57-72 MONTH ALL

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	241.7	2.9	41.1	.9	2.2		41.7	56.3	46.4			62.9	610
FEB			41.9	.6	2.1	.2	42.2	56.4	58.1	.1	.2	71.4	621
MAR		10.0	40.6	.1	.6	.3	43.6	62.9	62.5		.7	79.3	617
APR		7.8	39.4				32.9	57.6	57.6		.5	71.3	667
MAY		21.0	41.1			.4	41.1	67.0	69.8		.5	82.4	632
JUN		7.1	47.1			.3	47.1	68.0	71.7		.2	83.8	663
JUL		43.7	55.3			.5	55.3	64.4	72.5			84.8	672
AUG		14.2	49.7			.1	49.7	76.7	77.7			81.8	677
SEP		1.5	44.6				44.6	78.3	75.9			80.5	659
OCT		.6	25.9				25.9	6.5	64.9			77.1	640
NOV		1.6	22.7				22.7	61.9	56.1			72.8	690
DEC		1.7	36.5		.4		36.5	53.1	53.7			67.5	713
TOTALS		14.3	40.9	.1	.7	.2	40.5	63.8	64.0	.0	.2	78.7	8093

# WEATHER CONDITIONS

STATION BEAUFORT, SC STATION NAME 73-52 YEARS JAN  
1077 2096 84321 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		7.7				7.7	29.4	19.7			45.5	310
	04		10.0				10.0	38.1	16.1			49.4	310
	07		13.2		.3		13.5	41.3	17.7			53.2	310
	10	.6	7.7		.3		8.1	26.8	31.0			51.9	310
	13		8.7				8.7	17.1	25.2			39.7	310
	16		8.7	.3	.3		9.4	14.2	25.2			37.1	310
	19		7.7				7.7	16.1	29.7			42.6	310
	22		5.5				5.5	24.2	23.9			44.2	310
TOTALS		.1	6.7	.0	.1		8.8	25.9	23.6			45.5	2462

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# WEATHER CONDITIONS

STATION PORT FORT, SC STATION NAME 73-62 YEARS FEB MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		5.0		.4		5.7	25.2	22.7		1.1	44.0	287
	03		7.8		.4		8.2	34.4	19.1		.7	48.6	282
	07	.4	8.9		.7		9.6	46.3	25.2		.7	62.1	282
	10		7.4	.4	.4		8.2	23.4	35.8		.4	55.3	282
	13		5.0	.4	1.1		5.7	11.7	23.4	.4	.4	34.4	282
	16		9.2		.7		9.9	11.0	23.4	.4	1.1	35.1	287
	19	.7	7.4	.4	.4		8.2	11.3	28.7	.4	1.1	40.4	282
	22		7.4	.4	1.1		8.5	15.2	26.6	.4	1.1	41.5	282
TOTALS		.1	7.3	.2	.7		8.0	22.4	25.6	.2	.8	45.2	2256

# WEATHER CONDITIONS

STATION

BEAUFORT, SC

STATION NAME

77-82

YEAR

425

NO.

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 PRCIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01	.3	6.8				8.8	32.6	27.4			52.9	310
	04	.6	7.7				7.7	43.5	21.6			58.7	310
	07		9.1	.3			8.4	52.9	31.3			71.6	310
	10	.3	8.7		.3		9.0	18.4	40.6			54.2	310
	13	.3	9.4		.3		9.7	10.6	33.9			42.6	310
	16	.3	7.4		.3		7.7	9.7	31.9		1.0	41.3	310
	19	1.3	4.9		.3		5.2	13.3	33.3		1.0	43.7	309
	22	1.3	6.8				5.8	24.3	26.2			46.0	309
TOTALS		.6	7.5	.0	.2		7.7	25.7	30.8		.3	51.9	2478

NAVWEASERVCOM

# WEATHER CONDITIONS

97031  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APC  
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	.3	2.3				2.3	19.7	20.7			36.3	300
	04	.7	5.7				5.7	31.0	22.3			47.0	300
	07	1.0	4.0				4.0	42.7	32.3			64.3	300
	10	.7	5.0				5.0	6.3	33.7			39.7	300
	13	1.0	5.0				5.0	4.0	26.0			29.7	300
	16	1.0	4.3				4.3	4.7	25.3		.3	30.3	300
	19	.7	5.7				5.7	7.7	26.3			34.3	300
	22	1.0	4.3				4.3	13.0	21.7			31.7	300
TOTALS		.8	4.5				4.5	16.3	26.3		.3	32.2	2400

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# WEATHER CONDITIONS

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.6	6.5				6.5	29.0	33.9			57.4	310
	04	.6	3.5				3.5	48.1	31.3			69.7	310
	07	.3	3.9				3.9	49.4	46.1			80.6	310
	10	1.3	4.5				4.5	6.8	49.4			58.2	310
	13	1.0	5.2				5.2	4.5	38.7			42.3	310
	16	3.5	4.2				4.2	3.2	39.0			41.3	310
	19	5.2	5.8				5.8	6.1	39.0			44.8	310
	22	3.9	6.5				6.5	13.5	36.5			48.4	310
TOTALS		2.2	5.0				5.0	20.1	39.2			58.9	2480

NAVWEASERVCOM



# WEATHER CONDITIONS

97831 BEAUFORT, SC

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	1.0	3.3				3.3	31.3	46.7			66.7	300
	04	1.3	1.7				1.7	49.0	43.3			76.3	300
	07	1.0	3.0				3.0	45.7	60.7			85.7	300
	10		4.0				4.0	4.7	57.3			61.3	300
	13	3.7	8.0				8.0	4.7	48.0			52.3	300
	16	6.7	9.0				9.0	4.0	48.0			51.3	300
	19	5.7	8.0				8.0	5.7	48.0			52.3	300
	22	3.0	7.3				7.3	17.0	47.7			59.3	300
TOTALS		3.1	5.5				5.5	20.3	50.0			43.2	2400

NAVWEASERVCOM

# WEATHER CONDITIONS

91931  
STATION

BEAUFORT, SC  
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	1.9	2.6				2.6	33.9	53.9			74.8	310
	04	.6	1.9				1.9	49.0	57.4			81.9	310
	07	.6	3.9				3.9	46.8	67.1			86.8	310
	10	1.6	3.5				3.5	7.1	70.0			74.2	310
	13	5.5	8.8				5.8	3.9	62.3			68.5	310
	16	6.7	7.4				7.4	4.2	61.6			65.2	310
	19	8.1	7.7				7.7	9.7	54.8			61.9	310
	22	4.8	6.5				6.5	16.1	56.5			65.8	310
TOTALS		4.0	4.9				4.9	21.3	60.8			72.0	2980

# WEATHER CONDITIONS

97833  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAUL	% 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	1.3	2.9				2.9	35.5	58.4			75.2	310
	04	1.0	3.2				3.2	55.5	57.1			89.2	310
	07	1.9	3.2				3.2	58.1	64.2			87.7	310
	10	3.2	3.2				3.2	6.1	65.8			69.4	310
	13	4.2	5.5				5.5	3.5	56.8			58.4	310
	16	9.7	7.4				7.4	6.1	56.1			60.6	310
	19	5.8	10.6				10.6	11.0	53.2			60.6	310
	22	2.3	7.4				7.4	19.4	56.5			69.0	310
TOTALS		3.7	5.9				5.9	29.7	58.5			70.6	2980

NAVWEASERVCOM

# WEATHER CONDITIONS

93871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

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	2.0	6.7				6.7	38.3	55.7			75.7	300
	04	.3	4.3				4.3	50.7	52.0			83.3	300
	07	.3	4.7				4.7	70.0	56.7			91.0	300
	10	.3	5.3				5.3	13.3	63.0			70.3	300
	13	1.7	9.7				9.7	4.0	61.7			63.7	300
	16	5.3	9.3				9.3	6.7	59.7			66.7	300
	19	3.3	9.7				9.7	11.0	58.3			65.0	300
	22	2.0	4.7				4.7	22.0	58.0			69.3	300
TOTALS		1.9	6.7				6.7	28.3	58.3			72.9	2800

NAYWEASERVCOM

# WEATHER CONDITIONS

92831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

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		3.5				3.5	31.6	32.6			51.6	310
	04	.3	4.5				4.5	45.5	30.6			62.0	310
	07	.3	4.8				4.8	53.5	38.1			71.9	310
	10		2.9				2.9	9.4	50.3			55.2	310
	13		3.5				3.5	4.2	37.7			40.3	310
	16	.6	5.8				5.8	4.2	28.4			31.3	310
	19	.3	3.5				3.5	5.2	36.5			40.3	310
	22	.6	3.9				3.9	11.3	36.8			43.5	310
TOTALS		.3	4.1				4.1	20.6	36.9			49.3	2480

NAVWEASERVCOM

# WEATHER CONDITIONS

97871 BEAUFORT, SC 73-82 NOV  
STATION MONTH YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		5.0				5.0	30.7	30.3			52.3	300
	04		4.7				4.7	42.7	27.3			58.3	300
	07	.3	7.7				7.7	52.0	30.3			67.0	300
	10		5.0				5.0	19.7	39.7			55.0	300
	13		4.3				4.3	8.3	32.0			40.0	300
	16		5.0				5.0	8.0	31.0			37.7	300
	19		3.7				3.7	9.3	35.3			42.3	300
	22		5.0				5.0	20.1	31.1			46.2	299
TOTALS		.3	5.1				5.1	23.9	32.1			49.9	2399

NAVWEASERVCOM

# WEATHER CONDITIONS

90871 STATION      BEaufORT, SC      STATION NAME      73-92      YEAR      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	.3	17.0		.3		10.3	33.2	20.0			47.4	310
	04		10.0		.3		10.3	36.5	19.4			50.0	310
	07		13.2		.3		13.5	41.3	20.6			55.8	310
	10		9.4				9.4	24.5	24.7			49.7	310
	13	.3	9.4				9.4	15.2	22.3			35.5	310
	16	.3	7.4		.3		7.7	12.9	20.6			31.9	310
	19		7.8				7.8	17.5	19.4			33.0	309
	22		9.4				9.4	26.5	21.0			41.4	309
TOTALS		.1	9.6		.2		9.7	26.0	21.5			32.1	2978



# WEATHER CONDITIONS

92833 BEaufORT, SC 73-82 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	8.7	.0	.1		8.8	25.9	23.6			45.5	2483
FEB		.1	7.3	.2	.7		8.0	22.4	25.6	.2	.8	45.2	2256
MAR		.6	7.5	.0	.2		7.7	25.7	30.8		.3	51.4	2478
APR		.8	4.5				4.5	16.4	24.3		.0	39.2	2400
MAY		2.2	5.0				5.0	20.1	39.2			54.9	2480
JUN		3.1	5.5				5.5	20.3	50.0			63.2	2400
JUL		4.0	4.9				4.9	21.3	60.5			72.0	2487
AUG		3.7	5.4				5.4	24.7	58.5			70.6	2480
SEP		1.9	6.7				6.7	28.1	58.1			72.9	2400
OCT		.3	4.1				4.1	20.6	36.4			49.3	2460
NOV		.0	5.1				5.1	23.9	32.1			49.9	2399
DEC		.1	9.6		.2		9.7	28.0	21.5			43.1	2478
TOTALS		1.8	6.2	.0	.1		6.3	22.9	38.5	.0	.1	54.8	29211

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JANUARY  
MONTH

HOURS

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	% WEATHER
N	12.5	.6	6.9	.6					28.0	3.0	19.6			49.4
NNE	15.2	1.2	2.4					.6	23.6	4.0	24.8			50.9
NE	8.0	1.1	3.4						25.0	4.5	18.2			55.7
ENE	3.6		3.6						23.2	1.8	33.9			42.9
E	2.9	1.5	1.5						17.6	8.8	25.0			51.5
ESE		2.1							23.4	8.5	31.9			42.6
SE	5.7		5.7						34.3	8.6	22.9			42.9
SSE	11.1	5.6	2.8						30.6	9.7	29.2			30.6
S	12.6	1.1	.5						18.0	15.8	29.0			38.8
SSW	9.6	2.6	.9					.9	16.7	24.6	30.7			34.2
SW	.9	.9	.9						13.2	3.8	25.5			58.5
WSW	2.3	1.7							12.2	4.1	26.2			59.9
W	1.5	.5	1.5			.3			9.2	4.3	24.4			64.4
WNW	5.1		1.1			1.1			12.4	2.8	15.8			68.9
NW	2.5		3.8						25.3	1.3	8.9			64.6
NNW	7.0		2.3						25.6	1.2	12.8			60.5
VARIABLE														
CALM	1.8	.6	1.0						14.2	14.4	21.0			53.0
TOTAL	146	24	46	1		3		2	437	205	580			1330
% TOTAL	5.9	1.0	1.9	.0		.1		.1	17.6	8.3	23.4			53.6

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

FEBRUARY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.7		7.3	1.3	3.3	1.3			34.0	2.0	26.0	2.0		44.7
NNE	9.4	.8	2.3	.8	1.6				15.6	7.8	34.4			46.9
NE	12.6	1.1	2.1	1.1	2.1				25.3	4.2	33.7			38.9
ENE	9.0		1.1		1.1				13.5	3.4	37.1			46.1
E	5.3	1.1							12.8	3.2	30.9			52.1
ESE								1.8	5.3	3.3	24.6			66.7
SE	6.7		2.3						13.6	4.5	20.5			56.8
SSE	3.4	2.3	1.1					1.1	13.8	8.0	26.4			47.1
S	4.7	6.6	.5						13.1	10.3	33.3			43.2
SSW	7.7	4.8							16.3	7.7	36.5			40.4
SW		2.9	1.0						9.6	11.5	30.8			50.0
WSW			2.0						10.7	11.4	24.8			57.7
W	.9	1.3	1.3						6.4	1.7	23.8			67.7
WNW	.6	1.2	.6						5.6	2.5	14.8			75.9
NW	3.1	2.0	1.0						19.4	7.1	17.3			56.1
NNW	7.2				1.2	1.2			27.7		12.0	1.2		63.9
VARIABLE														
CALM	2.7	.5	.5						12.3	11.7	12.0			51.3
TOTAL	99	36	31	4	11	3		3	340	165	570	4		1214
% TOTAL	4.4	1.6	1.4	.2	.5	.1		.1	15.1	7.3	25.3	.2		53.8

TOTAL NUMBER OF OBSERVATIONS 7,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

47531  
STATION

RELFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

MARCH  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	6.2	4.1	4.1	1.7				1.0	25.8	1.0	32.0			45.4
NNE	8.7								23.3	5.8	27.2			46.6
NE	8.0	4.5	3.4					1.1	21.6	8.0	28.4			45.5
ENE	4.7	4.7	3.5						23.5	9.4	35.3			37.6
E	6.8	1.9	3.7					1.2	22.2	11.1	31.5			40.7
ESE	2.5	1.3	2.5						20.3	5.1	29.1			41.9
SE	3.2	5.4	1.1						12.9	8.6	36.6			49.5
SSE	.6	6.2	.6					.6	13.0	3.7	33.3			52.5
S	4.6	4.3						.6	11.0	10.7	35.5			45.3
SSW	.7	3.5						1.4	14.6	9.7	34.7			41.7
SW	2.7	.9	.9						14.4	7.2	38.7		.9	40.5
WSW	1.7	5.9						.8	14.3	4.2	37.8		.8	45.4
W	1.7	1.2	.8					.4	4.1	4.6	27.0		.4	64.7
WNW	1.5	2.9				.7			12.4	2.2	24.1		.7	62.8
NW	2.3	2.3	2.3			2.3		1.2	25.6	5.8	17.4			52.3
NNW	5.0	3.3	3.3			1.7		1.7	26.7	5.0	33.3			46.7
VARIABLE														
CALM	2.1	1.0	.4					.3	24.3	14.1	23.0			41.3
TOTAL	83	73	30	1		4		14	421	215	751		4	1182
% TOTAL	3.4	2.9	1.2	.0		.2		.6	17.0	8.7	30.3		.2	47.7

TOTAL NUMBER OF OBSERVATIONS

2,477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

APRIL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO. PER
N	4.1								4.1	5.0	27.0			66.2
NNE	1.4	5.6							14.1	12.7	16.9			57.7
NE	6.3	4.7	1.6						18.8	9.4	34.4			43.8
ENE	4.4	1.5							17.6	11.8	25.0			51.5
E	5.1	1.7						.6	9.7	4.5	35.2			51.7
ESE	4.7	.9							6.6	6.6	34.0			55.7
SE	4.4								5.6	2.2	21.1			72.2
SSE	3.7	1.2							2.4	8.3	27.4			63.7
S	1.4	3.6	.3					1.9	10.2	5.5	32.4			54.6
SSW	.7	5.0	1.4					.7	12.2	5.0	30.9			54.7
SW	1.6	6.6						3.3	7.4	6.6	27.9			56.6
WSW	.7	1.4						.7	6.3	6.3	27.5			59.9
W		2.7						.9	4.0	.9	17.9		.4	77.1
WNW			.9						7.2	1.8	13.5			78.4
NW		1.8	1.8					1.8	3.5	5.3	19.3			71.9
NNW	4.4	2.2						2.2	6.7	2.2	15.6			75.6
VARIABLE														
CALM	1.0	.3	.3					.3	12.0	14.1	22.6			51.1
TOTAL	49	53	7					19	210	183	630		1	1439
% TOTAL	2.0	2.2	.3					.8	8.8	7.6	26.3		.0	60.0

TOTAL NUMBER OF OBSERVATIONS

2,399

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

MAY  
MONTH

HOURS 11.511

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	4.2	3.3	5.0					4.2	22.5	7.5	25.8			45.0
NNE	3.3	4.4	1.1						17.8	9.9	47.3			34.1
NE	5.2	3.4						1.7	13.8	8.6	39.7			37.9
ENE	1.8	1.8							12.5	8.9	58.4			25.0
E	3.5	11.9						5.6	17.5	3.5	42.0			36.4
ESE	1.7	8.7						2.9	10.6	3.8	48.1			37.5
SE	2.4	3.9						4.7	7.9	3.1	41.7			49.6
SSE		5.4						2.2	6.5	2.2	42.4			48.9
S	1.1	1.9						2.8	7.2	6.3	39.7			47.1
SSW		3.5						1.4	6.5	7.0	45.1			44.4
SW		1.8	.6					1.2	7.9	4.4	38.8			49.1
WSW		1.4						.7	3.8	4.9	43.7			47.2
W	1.2	2.4						3.0	3.6	5.4	42.8			48.2
WNW	1.4	3.7						3.7	3.7	5.6	27.8			63.0
NW		2.2	4.3					2.2	13.0	2.2	32.6			52.2
NNW	3.8	1.9						1.9	15.4	9.6	34.6			46.2
VARIABLE														
CALM	.9	.6						.9	30.8	19.3	38.1			37.3
TOTAL	34	80	10					54	290	208	972			1083
% TOTAL	1.4	3.2	.4					2.2	11.7	8.4	39.2			43.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93971 BEAUFORT, SC JANUARY 1973-DECEMBER 1982 JUNE  
STATION STATION NAME YEARS MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.3	6.7	2.0					3.3	16.0	12.7	50.7			30.7
NNE	2.9	6.8						2.9	18.4	17.9	40.7			30.1
NE	1.2	8.3						4.8	15.5	11.9	51.2			29.8
ENE	4.1	6.0						5.8	8.2	4.1	53.4			35.6
E	.8	7.9						3.9	6.3	4.7	50.4			38.6
ESE		8.7						6.5	4.3	3.3	45.7			46.7
SE		3.2						2.1	3.2	4.3	50.0			43.6
SSE		3.6						1.4	4.3	2.2	39.1			54.3
S	.6	4.4						6.7	6.3	4.1	47.3			40.3
SSW		4.6						.7	9.2	6.5	55.6			34.6
SW	1.1	2.8						3.4	6.7	7.3	61.8			28.1
WSW	.6	4.8	.6					1.8	6.6	12.0	50.6			33.1
W	1.3	3.8						3.8	5.6	10.0	46.9			42.5
WNW	2.6	3.9						2.6	9.1	9.1	53.2			32.5
NW	5.2		1.7					1.7	8.6	19.0	51.7			27.6
NNW	2.4								7.1	28.6	47.6			33.3
VARIABLE														
CALM	2.3	1.3	.3					.3	14.9	24.6	44.7			34.4
TOTAL	24	103	6					73	222	264	1199			839
% TOTAL	1.0	4.3	.3					3.0	9.3	11.0	50.0			35.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JULY  
MONTH

HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5							6.0	13.4	22.4	58.2			22.4
NNE	2.4	2.4							32.9	17.6	56.9			9.4
NE	1.5	4.5						3.0	12.1	9.1	66.7			19.7
ENE		2.6						2.6	9.1	7.8	54.5			33.8
E		6.5						5.8	6.5	2.9	59.0			31.7
ESE	1.2	4.8						3.6	4.8	5.6	54.2			37.3
SE	2.0	5.0						4.0	4.0	2.0	52.0			36.0
SSE		6.0	.7					5.3	4.0	2.6	47.7			40.4
S	.3	3.4	.3					5.4	2.8	7.6	62.9			26.6
SSW	.6	3.3						2.8	5.6	7.8	65.0			26.1
SW	.8	3.8						5.1	6.8	13.5	65.4			22.4
WSW	.5	5.3						4.8	7.4	10.1	62.2			26.1
W		2.6						3.3	7.3	11.9	70.9			19.2
WNW		5.9						2.0	7.8	9.8	70.6			15.7
NW		17.2						17.2	17.2	10.3	69.0			6.9
NNW	5.6	5.6						8.3	38.9	19.4	36.1			13.9
VARIABLE														
CALM	1.2	2.9	.2					1.8	14.4	24.6	54.3			21.1
TOTAL	20	99	3					99	229	300	1497			633
% TOTAL	.8	4.0	.1					4.0	9.2	12.1	60.4			25.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831

BEAUFORT, SC

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

HOURS

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 AND DUST	NO WEATHER
N	3.7	6.8	1.2					4.3	23.0	19.9	62.1			11.8
NNE	.7	2.8						2.1	19.3	20.7	60.1			17.2
NE	2.0	3.0						1.0	12.9	11.9	72.3			14.9
ENE	1.2	4.9						3.7	7.3	4.9	80.5			32.9
E		4.3						2.1	2.9	1.4	84.3			41.4
ESE	3.0	4.0						9.9	7.9	1.0	38.6			53.5
SE	.9	3.8						7.5	2.8	.9	80.7			37.7
SSE	2.0	3.9						9.9	2.0	3.3	88.4			48.7
S	1.3	7.5						9.7	3.1	9.7	91.8			37.3
SSW	1.2	1.2						4.9	9.8	8.6	64.4			28.8
SW	.6	.6	.6					1.3	11.7	7.1	61.7			29.9
WSW		3.8	.8					1.5	7.7	16.9	66.2			25.4
W	.9	2.6	.9					3.4	11.2	12.1	65.8			23.3
WNW	6.3	6.3						6.3	18.6	21.9	83.1			9.4
NW		5.7						9.7	20.0	11.4	81.4			28.6
NNW	7.5	9.4						8.7	20.8	20.8	71.7			9.4
VARIABLE														
CALM	.2	1.4						1.4	10.3	21.9	50.7			14.3
TOTAL	31	99	5					91	266	348	1450			682
% TOTAL	1.3	4.0	.2					3.7	10.7	13.9	58.5			27.5

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97871  
STATION

REDFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

SEPTEMBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.3	3.5	1.3					.4	22.6	11.3	58.7			23.9
NNE	5.5	1.4	.9					.5	21.7	11.1	56.7			23.0
NE	5.6	4.3							19.8	5.6	62.3			22.2
ENE	4.4	4.4						2.6	7.9	5.3	67.5			22.8
E	1.9	9.0	.6					2.6	6.5	2.6	57.4			32.3
ESE	2.6	6.4						2.6	7.7	3.8	52.6			35.9
SE		5.3						3.9	6.6	1.3	47.4			43.4
SSE		9.5	1.2					2.4	2.4	2.4	58.3			35.7
S	2.4	6.8						3.6	9.5	7.7	57.1			29.2
SSW	2.9	6.8						4.9	11.7	9.7	61.2			28.2
SW		2.6						3.9	16.9	14.3	66.2			15.6
WSW	1.3	5.0						1.3	10.0	20.0	56.3			27.5
W		4.4						3.3	15.4	13.2	57.1			23.1
WNW	2.0	4.1						4.1	14.3	6.1	65.3			24.5
NW		2.3						4.7	11.6	14.0	51.2			34.9
NNW	2.8	5.6						4.2	19.4	19.4	65.3			19.4
VARIABLE														
CALM	.7	1.3						.1	23.8	21.1	54.7			22.3
TOTAL	56	98	7					46	388	287	1394			617
% TOTAL	2.3	4.1	.3					1.9	16.2	12.0	58.1			25.7

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93331  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

OCTOBER  
MONTH

HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.0	.7					.7	14.0	9.0	33.3			50.3
NNE	7.0	.7	.7						12.9	8.5	31.6			54.4
NE	5.0								12.6	9.4	39.4			45.6
ENE	1.8	1.8	.9						4.6	.9	33.9			59.6
E		2.9							1.5	1.5	42.6			54.4
ESE	1.4							1.4	1.4	4.3	46.4			52.2
SE	2.7	2.7							2.7	5.4	48.6			40.5
SSE	3.8	3.0							5.8		50.0			48.1
S	2.1	6.4						1.1	4.3	7.4	39.4			51.1
SSW	1.5	1.5						1.5	6.0	3.0	50.7			43.3
SW									5.8	7.2	44.9			49.3
WSW								2.5	8.9	5.1	36.7			51.9
W	1.4	.7							5.6	2.1	34.9			61.3
WNW		1.1	2.3						8.0	3.4	31.0			60.9
NW	2.7	1.4	2.7						15.1	6.8	21.9			58.9
NNW	2.0	2.0	3.0						19.0	10.0	32.0			47.0
VARIABLE														
CALM														
TOTAL	60	29	12					7	272	239	901			1243
% TOTAL	2.4	1.2	.5					.3	11.0	9.6	36.3			50.1

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93431  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

NOVEMBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWNERS 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	6.3	.5	3.7						19.4	4.6	36.6			39.8
NNE	4.7	.6	1.2						14.5	2.9	29.7			57.0
NE	4.1	2.7	2.0						21.1	1.4	30.6			47.6
ENE	2.9	2.0	1.0						11.8	2.0	26.5			58.8
E	2.2								5.8	1.1	30.8			63.7
ESE	7.5								12.9	7.5	39.0			55.0
SE	6.5	8.7	2.2						19.6	4.3	37.0			34.8
SSE	1.6	1.6							18.0	8.2	37.7			39.3
S	2.7	1.4	.7						10.8	10.1	44.6			42.6
SSW	1.9	.9	.9						11.2	18.9	39.3			43.9
SW	2.8		2.8						13.9	13.9	36.1			41.7
WSW			1.1						5.6	14.4	27.8			56.7
W	1.0	2.0							6.0	5.0	27.1			64.8
WNW	1.0		1.0					1.0	2.9	1.9	25.7			69.5
NW	1.2	2.4	3.7						20.7	3.7	39.0			45.1
NNW	2.8	.9	3.7						17.4	7.3	33.9			42.2
VARIABLE														
CALM	1.1	.8	.3						14.4	14.1	30.4			44.1
TOTAL	63	28	30					1	353	219	767			1180
% TOTAL	2.6	1.2	1.3					.0	14.7	9.1	32.0			49.2

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97831 BEAUFORT, SC JANUARY 1973-DECEMBER 1982 DECEMBER

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	6.6	.5	4.7		.9	.9			20.8	3.3	17.0			62.3
NNE	6.4	1.6	4.8						17.6	2.1	12.8			69.1
NE	12.4	1.0	1.9						24.8	3.8	19.0			52.4
ENE	11.1	1.9							18.5	7.4	27.8			51.9
E	9.1	2.3							22.7		27.3			52.3
ESE	7.4	14.8							14.8		22.2			63.0
SE	6.7	3.3							13.3	3.3	23.3			56.7
SSE	12.3	1.4	1.4						26.0	4.1	35.6			41.1
S	6.4	3.5	1.5						19.3	7.9	27.7			46.3
SSW	7.3	6.5	.8					1.6	14.5	14.5	29.8			38.7
SW	5.1		2.0						17.2	3.0	29.3			52.5
WSW	3.0	1.5	.8					.8	12.8	5.3	14.3			67.7
W	2.8	1.1	1.4						12.6	1.4	16.1			70.5
WNW	4.1	1.4	.7						13.5	2.0	19.6			66.9
NW	7.9	1.0	2.0						26.7	3.0	15.8			60.4
NNW	9.8	1.2	4.9						40.2	2.4	20.7			47.6
VARIABLE														
CALM	<del>4.5</del>	<del>1.1</del>	<del>.9</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>22.2</del>	<del>14.0</del>	<del>24.0</del>	<del></del>	<del></del>	<del>64.6</del>
TOTAL	149	43	45		2	2		3	484	159	532			1381
% TOTAL	6.0	1.7	1.8		.1	.1		.1	19.5	6.4	21.5			58.7

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

77631  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

ALL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.8	2.2	3.1	.2	.4	.2		1.3	20.8	8.2	37.0	.2		41.1
NNE	6.2	1.9	1.3	.1	.1			.5	18.6	6.6	36.8			43.3
NE	6.0	3.0	1.1	.1	.2			.7	18.7	6.9	41.6			38.0
ENE	3.9	2.8	.8		.1			1.2	12.3	9.3	43.0			41.9
E	2.8	4.7	.5					2.1	10.2	4.0	42.6			44.0
ESE	2.3	4.2	.2					2.9	9.1	4.2	40.4			48.5
SE	2.7	3.6	.6					2.6	8.4	3.6	40.8			47.2
SSE	2.3	4.3	.5					2.0	8.7	4.3	39.1			48.4
S	2.9	4.0	.3					2.6	9.2	7.9	42.1			41.9
SSW	2.5	3.7	.3					1.8	10.7	9.9	46.3			37.7
SW	1.2	2.2	.6					1.9	10.2	8.4	46.7		.1	39.3
WSW	.9	2.7	.4					1.3	8.8	9.6	39.8		.1	46.3
W	1.2	1.8	.7			.0		1.1	7.5	5.0	32.8		.1	57.5
WNW	2.1	1.8	.7			.3		.8	9.3	3.9	27.2		.1	60.9
NW	2.7	2.3	2.2			.3		1.7	18.6	6.6	27.8			50.8
NNW	5.3	2.3	1.8		.1	.2		1.5	22.6	9.0	32.9	.1		44.0
VARIABLE														
CALM	1.5	1.3	.1					.6	17.7	20.1	36.8			39.6
TOTAL	814	765	232	6	13	12		412	3912	2789	11243	4	5	12823
% TOTAL	2.8	2.6	.8	.0	.0	.0		1.4	13.4	9.3	38.5	.0	.0	43.9

TOTAL NUMBER OF OBSERVATIONS

29,209

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NCCD. Federal Building  
Asheville, N. C.

## 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 Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

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

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION BEAUFORT, SC STATION NAME 57-87 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.04-10	.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	5.0	5.1	2.7	5.0	3.4	2.1	5.4	6.1	1.0	.1				32.0	775	3.47	6.89	1.02
FEB	5.0	1.2	2.5	4.1	3.7	6.5	5.9	5.8	2.4					31.4	706	3.37	6.69	.91
MAR	5.0	8.9	2.1	4.4	3.6	6.1	6.1	6.8	3.0	.3				32.3	775	4.11	8.90	.63
APR	6.4	9.1	1.5	3.6	3.1	3.6	5.1	3.2	2.1	.4				22.5	750	2.95	6.16	.10
MAY	5.0	12.0	2.3	5.2	2.7	4.3	5.3	4.3	4.2	.5				28.8	775	4.38	7.52	.49
JUN	5.0	10.7	1.7	4.8	3.6	6.5	7.5	6.4	4.3	1.1	.3			36.1	750	6.07	13.57	.90
JUL	44.6	11.6	1.7	7.5	4.9	7.1	8.1	8.1	5.0	1.3				43.7	775	7.05	19.12	2.64
AUG	11.1	4.3	1.9	7.6	3.1	5.9	6.1	6.8	6.7	.9	.5			39.6	775	7.58	18.72	1.27
SEP	5.0	11.7	2.2	5.4	3.2	5.7	4.4	5.3	3.6	.7				32.6	720	4.41	12.28	.59
OCT	7.6	5.0	.9	4.3	2.7	4.1	2.3	2.5	2.3	.3				19.4	775	2.56	10.35	.08
NOV	5.0	10.0	1.3	6.0	3.1	4.5	2.6	1.7	1.4		.1			21.0	740	2.13	7.75	.31
DEC	5.0	9.3	1.4	5.2	3.5	6.5	5.5	3.3	2.1	.5				27.9	806	3.19	6.32	1.04
ANNUAL	5.0	9.9	1.8	5.3	3.4	5.7	5.4	5.0	3.3	.5	.1			32.5	9162	5.27		

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION DALE FORT, SC STATION NAME 57-87 YEARS

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	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	97.6	2.2		.4										.4	775	.1	2.0	.0	
FEB	98.1	1.3		.1		.1		.1						.4	706	.4	6.4	.1	
MAR	99.4	.5	.1											.1	775	TRACE	.2	.0	
APR	100.0														750	.0	.0	.0	
MAY	100.0														775	.0	.0	.0	
JUN	100.0														750	.0	.0	.0	
JUL	99.9	.1													775	TRACE	TRACE	.0	
AUG	99.9	.1													775	TRACE	TRACE	.0	
SEP	99.9	.1													720	TRACE	TRACE	.0	
OCT	100.0														775	.0	.0	.0	
NOV	100.0														740	.0	.0	.0	
DEC	99.4	.6													806	TRACE	TRACE	.0	
ANNUAL	99.1	.4	.0	.0		.0		.0						.1	9162	.5			

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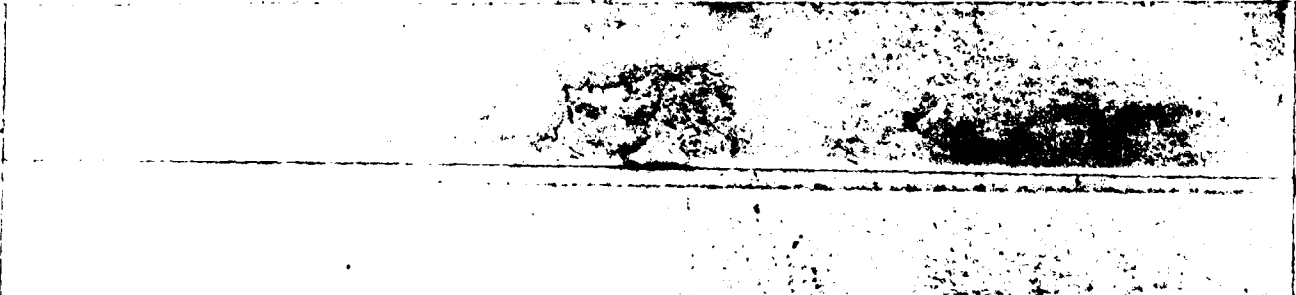
# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION WATERFORD, SC STATION NAME 57-80 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	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	0.0	0.0	0.1											0.1	775			
FEB	0.0	0.1	0.1			0.1								0.3	670			
MAR	0.0	0.1													775			
APR	1.0	0.0													750			
MAY	1.0	0.0													775			
JUN	1.0	0.0													750			
JUL	1.0	0.0													775			
AUG	1.0	0.0													775			
SEP	1.0	0.0													700			
OCT	1.0	0.0													775			
NOV	1.0	0.0													750			
DEC	0.9	0.0													806			
ANNUAL	0.9	0.1	0.1			0.1								0.1	9134			

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

**EXTREME VALUES**

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

92331  
STATION

BEAUFORT, SC  
STATION NAME

57-62  
YEARS

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
59									5.80				PRECIP DAYS
									29				
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
 ASHEVILLE, NORTH CAROLINA

**EXTREME VALUES**

SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION  
 57631

STATION NAME  
 REAUFORT, SC

YEARS  
 57-87

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57											.0	.0	
58		1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
59		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
60		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
67		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73		.0	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
74		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
78		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79		2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
80		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.04	.41	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
S.D.	.277	1.363	.160	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.368
TOTAL OBS.	775	706	775	750	775	750	775	775	720	775	780	806	7162

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

**EXTREME VALUES**

SNOWFALL  
(FROM DAILY OBSERVATIONS)

93831 STATION    BEAUFORT, SC STATION NAME    57-82 YEARS

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

MONTH YEAR 59	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS SNOWFALL DAYS
									0				
									79				
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

93831  
STATION

BEAUFORT, SC  
STATION NAME

57-82  
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57													
58	0		0	0	0	0	0	0	0	0	0	0	
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S.D.	.200	1.225	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.250
TOTAL OBS.	775	676	775	750	775	750	775	775	720	775	780	805	9134

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

**EXTREME VALUES**

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

97531  
STATION

BEAUFORT, SC  
STATION NAME

57-82  
YEARS

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
58		27											SNOW DEPTH DAYS
59									29				SNOW DEPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1931 30 AUFORT, SC

1959-1983

STATION

STATION NAME

YEARS

JANUARY  
MONTH

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	36	1967			
2	1.23	32	1979			
3	1.40	36	1977			
4	1.55	39	1982			
5	1.15	29	1971			
6	1.30	33	1962			
7	1.31	24	1963			
8	1.35	28	1975			
9	1.34	34	1964	Y	Y	1973
10	0.85	21	1967			
11	1.5	38	1972	Y	Y	1975
12	1.13	28	1964	Y	Y	1973
13	1.11	28	1958	Y	Y	1964
14	1.4	37	1972			
15	1.75	44	1968	Y	Y	1968
16	1.2	30	1959			
17	1.5	38	1964	Y	Y	1976
18	1.4	35	1967	1.0	25	1977
19	1.51	38	1978	Y	Y	1971
20	1.18	29	1963	Y	Y	1983
21	1.8	45	1983	Y	Y	1966
22	1.23	31	1966			
23	1.1	28	1975	Y	Y	1970
24	1.4	35	1958			
25	1.5	38	1966	Y	Y	1961
26	1.0	25	1980	Y	Y	1966
27	1.4	35	1976	1.0	25	1966
28	1.0	25	1973			
29	1.3	33	1974			
30	1.7	43	1967			
31	1.6	41	1959	1.0	25	1977
Monthly	1.23	32	1979	1.0	25	1977

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	25	1972			
2	1.7	27	1978			
3	1.08	27	1972			
4	1.39	35	1959			
5	1.42	36	1960			
6	1.11	28	1979			
7	0.56	14	1961			
8	1.32	34	1971	Y	Y	1968
9	0.77	20	1967	Y	Y	1973
10	0.64	16	1973	6.4	163	1973
11	1.36	35	1981	Y	Y	1953
12	1.75	44	1982			
13	1.67	42	1983	1.2	30	1954
14	1.27	32	1965			
15	1.00	25	1969			
16	1.29	33	1976			
17	1.10	28	1965			
18	2.45	62	1964	2.5	64	1979
19	0.57	14	1963	Y	Y	1972
20	0.07	2	1975			
21	0.40	10	1979			
22	0.63	16	1975			
23	1.44	37	1979	Y	Y	1968
24	1.43	36	1963	Y	Y	1968
25	0.97	25	1980			
26	1.07	27	1958			
27	1.45	37	1964			
28	1.45	37	1966			
29	0.26	7	1968			
30						
31						
Monthly	2.45	62	1964	6.4	163	1973

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

DIRNA/OCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1931  
STATION

STAFFORD, NC  
STATION NAME

1952-1983  
YEARS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.70	20	1962			
2	1.10	30	1962		T	1962
3	1.10	30	1969			
4	2.43	62	1966			
5	2.74	70	1959			
6	1.01	26	1983		T	1962
7	1.30	33	1958			
8	1.32	35	1973			
9	1.00	27	1978			
10	0.69	18	1967			
11	0.36	9	1962	0.3	8	1967
12	2.27	57	1967			
13	1.45	38	1980			
14	0.67	18	1976			
15	0.67	17	1962			
16	1.77	35	1972			
17	1.98	50	1983			
18	3.62	87	1961			
19	0.44	12	1977			
20	1.83	46	1970			
21	0.56	14	1961			
22	1.25	32	1981			
23	1.27	32	1965			
24	1.05	37	1975			
25	0.85	22	1973			
26	1.25	32	1964			
27	0.55	14	1983			
28	0.22	56	1982			
29	0.51	13	1959			
30	1.21	31	1958			
31	0.82	21	1965		T	1965
Monthly	2.74	70	1959	0.3	8	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.71	49	1981			
2	7.80	20	1960			
3	0.56	14	1973			
4	0.76	19	1960			
5	1.24	31	1982			
6	0.89	23	1963			
7	0.28	7	1973			
8	0.86	22	1964			
9	1.40	36	1961			
10	0.27	7	1954			
11	1.37	35	1962			
12	1.96	50	1961			
13	1.25	32	1975			
14	3.71	89	1975			
15	1.80	46	1958			
16	0.29	7	1958			
17	0.82	13	1982			
18	0.44	11	1978			
19	0.82	13	1959			
20	0.22	6	1975			
21	0.36	10	1981			
22	0.06	2	1958			
23	2.80	71	1983			
24	0.56	14	1967			
25	2.95	78	1979			
26	2.30	58	1965			
27	0.83	21	1964			
28	0.53	14	1958			
29	1.31	33	1966			
30	4.30	120	1976			
31						
Monthly	4.60	120	1976			

\* 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

831

BEAUFORT, SC

1954-1983

STATION

STATION NAME

YEARS

May  
MONTH

June  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.7	18	1976			
2	0.6	16	1964			
3	0.6	16	1975			
4	0.7	18	1967			
5	1.5	39	1974			
6	0.4	11	1958			
7	0.7	18	1981			
8	0.7	18	1971			
9	1.0	25	1979			
10	0.7	18	1961			
11	1.0	25	1958			
12	0.7	18	1974			
13	1.0	25	1959			
14	0.7	18	1972			
15	1.1	28	1969			
16	1.0	25	1975			
17	1.0	25	1980			
18	0.5	13	1960			
19	0.4	11	1969			
20	1.0	25	1981			
21	1.0	25	1979			
22	1.0	25	1967			
23	0.5	13	1966			
24	1.0	25	1976			
25	1.0	25	1959			
26	1.1	28	1968			
27	1.0	25	1966			
28	1.0	25	1965			
29	1.0	25	1970			
30	0.5	13	1963			
31	1.0	25	1967			
Monthly	0.7	18	1969			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.3	8	1982			
2	0.6	16	1979			
3	1.1	28	1978			
4	0.7	18	1982			
5	0.4	11	1962			
6	0.5	13	1968			
7	1.1	28	1968			
8	1.0	25	1968			
9	1.0	25	1973			
10	1.0	25	1966			
11	0.5	13	1965			
12	0.4	11	1975			
13	0.6	16	1969			
14	1.0	25	1969			
15	0.6	16	1958			
16	0.4	11	1979			
17	0.4	11	1976			
18	0.4	11	1982			
19	0.3	8	1972			
20	1.0	25	1960			
21	0.4	11	1980			
22	0.6	16	1963			
23	1.0	25	1982			
24	0.6	16	1980			
25	0.4	11	1962			
26	1.0	25	1963			
27	1.0	25	1974			
28	0.5	13	1961			
29	0.3	8	1983			
30	0.4	11	1965			
31						
Monthly	0.4	11	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

0331  
STATION

FALFORD, SC  
STATION NAME

1958-1983  
YEARS

JULY  
MONTH

AUGUST  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.59	51	1966			
2	2.03	64	1964			
3	1.72	30	1959			
4	1.70	38	1972			
5	1.54	39	1973			
6	0.99	25	1976			
7	1.20	31	1967			
8	1.44	37	1963			
9	0.12	54	1964			
10	1.01	38	1967			
11	0.77	121	1961			
12	1.44	38	1959			
13	0.67	17	1961			
14	1.73	44	1982			1982
15	1.72	44	1975			
16	1.70	43	1959			
17	3.56	93	1977			
18	3.87	99	1964			
19	1.73	44	1965			
20	0.87	21	1964			
21	1.10	79	1964			
22	3.63	92	1983			
23	1.94	49	1981			
24	0.77	20	1973			
25	2.75	75	1980			
26	1.24	31	1977			
27	0.98	25	1974			
28	1.04	26	1982			
29	2.83	67	1967			
30	1.08	48	1966			
31	0.40	10	1957			
Monthly	0.77	121	1961			1982

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.37	60	1979			
2	1.90	46	1983			
3	5.08	149	1969			
4	2.06	73	1969			
5	0.70	23	1966			1982
6	3.01	76	1974			
7	2.27	58	1975			
8	2.56	65	1974			
9	2.07	53	1970			
10	1.46	37	1974			
11	2.03	64	1967			
12	1.45	37	1971			
13	1.96	50	1961			
14	0.49	12	1977			
15	5.76	147	1963			
16	5.77	129	1971			
17	2.20	56	1971			
18	1.96	50	1977			
19	0.89	23	1981			
20	2.98	73	1961			
21	1.01	26	1973			
22	0.77	20	1971			
23	1.13	29	1969			
24	0.76	19	1977			
25	1.03	26	1971			
26	6.16	156	1961			
27	2.12	54	1962			
28	3.93	100	1964			
29	2.54	65	1964			
30	1.50	38	1976			
31	2.39	61	1969			
Monthly	6.16	156	1961			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

12831  
STATION

P AUFORT, SC  
STATION NAME

1959-1983  
YEARS

SEPTEMBER  
MONTH

OCTOBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.8	71	1959			
2	1.26	47	1969			
3	0.85	22	1977			
4	4.76	121	1979			
5	1.15	29	1959			
6	7.76	70	1962			
7	1.54	39	1979			
8	1.27	30	1960			
9	0.85	14	1967			
10	1.73	49	1964			
11	3.0	99	1964			
12	1.51	41	1964			
13	1.23	31	1972			
14	4.30	112	1976			
15	0.74	20	1958			
16	1.21	31	1974			1980
17	1.57	40	1975			
18	0.84	52	1960			
19	0.84	14	1966			
20	0.35	9	1982			
21	0.62	16	1983			
22	0.53	14	1975			
23	1.06	27	1975			
24	1.12	28	1965			
25	0.62	16	1982			
26	1.54	39	1973			
27	0.60	15	1970			
28	1.53	39	1987			
29	5.87	147	1959			
30	1.73	39	1987			
31						
Monthly	5.80	147	1959			1987

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.75	14	1966			
2	1.39	35	1964			
3	0.41	13	1969			
4	1.56	42	1962			
5	1.04	26	1964			
6	0.27	7	1965			
7	1.58	40	1965			
8	0.60	15	1975			
9	1.70	46	1971			
10	0.62	16	1981			
11	T	T	1981			
12	0.77	20	1977			
13	0.54	14	1983			
14	1.48	38	1959			
15	2.49	63	1964			
16	1.25	32	1968			
17	2.32	59	1975			
18	0.69	18	1968			
19	2.07	53	1968			
20	1.07	78	1970			
21	1.40	36	1959			
22	0.70	18	1959			
23	0.84	21	1980			
24	0.48	12	1982			
25	0.45	11	1976			
26	0.11	3	1981			
27	0.22	6	1981			
28	0.64	16	1980			
29	4.84	118	1959			
30	1.01	26	1971			
31	0.41	13	1971			
Monthly	4.54	118	1959			

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

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

0331 BEAUFORT, SC  
STATION STATION NAME

1957-1983  
YEARS

NOVEMBER  
MONTH

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	6.36	174	1969			
2	0.23	7	1979			
3	0.02	2	1962			
4	0.12	3	1987*			
5	1.11	28	1963			
6	0.12	3	1974			
7	1.04	26	1959			
8	0.32	8	1962			
9	1.00	25	1968			
10	0.13	34	1965			
11	1.12	28	1968			
12	0.27	6	1975			
13	0.27	7	1965			
14	0.4	12	1957			
15	0.4	12	1983			
16	0.00	25	1957			
17	0.33	8	1976			
18	1.23	31	1968			
19	0.1	0	1957			
20	0.60	15	1983			
21	0.49	12	1978			
22	0.4	10	1965			
23	0.31	21	1961			
24	1.23	31	1971			
25	1.09	48	1979			
26	1.32	46	1976			
27	0.67	17	1963			
28	1.13	29	1976			
29	2.32	59	1972			
30	1.42	46	1978			
31						
Monthly	6.56	174	1969			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1977			
2	0.71	18	1981			
3	2.04	72	1968			
4	2.88	73	1964			
5	0.73	18	1977			
6	2.11	54	1979			
7	1.28	33	1976			
8	1.31	33	1973			
9	0.31	8	1969			
10	1.23	31	1969			
11	1.36	35	1983	T	T	1.50
12	2.60	68	1982			
13	0.49	12	1963			
14	1.00	27	1977			
15	1.72	44	1974			
16	1.49	38	1973	T	T	1973
17	0.77	20	1975	T	T	1973
18	0.56	14	1966			
19	1.12	28	1965			
20	1.01	26	1973			
21	0.94	24	1983			
22	0.18	5	1967			
23	0.47	12	1966			
24	2.70	71	1978			
25	0.46	12	1981			
26	0.76	19	1976	T	T	1980
27	0.41	10	1958	T	T	1980
28	1.15	29	1967			
29	1.11	28	1981			
30	1.30	33	1982			
31	2.19	56	1981			
Monthly	2.40	73	1964	T	T	1980

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

DIRNAVOCEANMET-SMOS

NOCD, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

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

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

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

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

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

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

17471 HEADQUARTERS, SC 57-87  
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
57													
58	WSW 42W	67W	38S	59WSW	46NNW	44NF	41NE	40SSE	35NE	30NE	25N	30	W 40
59	4 34W	32WSW	43N	30WSW	44W	39SE	42WSW	24W	120				W 31
60	NNE 27WNW	45NW	34W	40NW	55ENE	29WNW	28SW	34NNW	40S	23WNW	20NW	30	WNW 35
61													
62	W 39WSW	24SSW	35W	39NE	44NE	50W	29NNW	34ENE	25W	27W	40NNW	37	NE 40
63	WNW 36SSW	42WNW	34SSW	34NE	36NW	34NW	31E	27S	37NF	41W	43W	31	W 43
64	WSW 43W	40N	33S	37E	35NNW	37NNW	42NF	39SSE	44NE	30NW	36N	29	SSW 46
65	W 37W	44N	34SSW	30N	28W	32SSW	33E	40WSW	23SSW	35NW	32N	27	W 48
66	WNW 47SSW	45W	38W	37WSW	39SE	17N	44N	24E	28SW	25W	37WNW	29	WNW 46
67	WSW 32NW	30WNW	31WNW	28W	40ENE	25NF	35W	26NE	21W	26NW	34SSW	34	W 46
68	W 27WNW	39NNW	33WSW	30W	29ESE	36SSE	28NF	24SW	29W	27W	35NW	34	WNW 39
69	W 24E	34N	37W	28SSW	24NF	29W	33W	32NE	20NE	25NE	46SW	29	FW 46
70	WNW 30NW	35W	27SSW	37ENE	31NW	32SE	34W	22NW	24E	26W	31WNW	33	NW 35
71	WNW 3925	3929	4227	2625	3732	27							
72		31	3929	3923	2625	2911	4002	3928	3705	26	2922	3000	35
73	19	3004	3119	3716	3428	5517	3214	4123	3827	2924	3132	3024	33
74	20	2919	3324	3522	3521	33		32	2332	1821	17		27
75	26	3827	3025	3927	3731	3327	3124	2827	5504	4316	2916	26	
76			29	35	30	33	27	3730	4204	3217	3028	2725	34
77	27	3927	3427	3927	3305	3032	4322	4024	2821	3435	2727	3026	32
78	25	3727	3117	2934	2820	3527	3136	4518	2304	2202	2218	3129	25
79	29	3319	2937	3434	2903	2932	3037	3503	2207	4309	35		
80	31	2929	3825	3427	4129	3108	2627	2619	2226	5426	3225	2801	27
81	29	2821	3527	4628	3118	2406	5301	3224	3619	2428	2528	2928	28
82	18	3329	3131	3628	3020	2229	3934	3727	3336	2001	3031	2834	30
MEAN	33.5	36.5	36.1	34.5	34.7	34.9	35.6	32.3	34.6	28.3	32.4	31.7	35.8
S.D.	5.414	7.862	4.157	4.005	4.263	7.466	6.148	6.563	20.547	4.903	6.099	4.005	6.867
TOTAL OBS.	677	648	775	717	771	656	712	736	717	709	719	709	8348

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

92631

BEAUFORT, SC

57-82

STATION

STATION NAME

YEARS

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
59										30			WINDY DAYS
61	NE 30 22	NW 45 12				SW 38 25							WINDY DAYS
71						32 26 11		0	0	32 12		31 21	WINDY DAYS
72	27 25 24												WINDY DAYS
74						29 25 26	6 28 16				27 20 26		WINDY DAYS
75												C	WINDY DAYS
76	C	17 26 19		27 25 5		27 32 17							WINDY DAYS
79											28 25 26	28 17	WINDY DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97311  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

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	1.3	2.9	1.0	.3								5.5	5.4
NNE	1.3	2.9	1.6									5.8	5.5
NE	1.6		1.6									3.2	5.0
NNE	.3		.6									1.0	6.0
E	1.4	.6										1.9	3.0
ESE	.6		.3									1.0	5.0
SE	.6		.3									1.0	3.3
SSE	1.3	.3	.3									1.9	3.8
S	1.9	.6	2.6	1.0								6.1	7.2
SW	1.6	3.5	2.3		.3							7.7	5.8
SW	1.0	2.6	1.3									4.8	5.3
WSW	.6	1.6	1.3									3.5	5.5
W	2.0	4.5	7.1	1.3								15.8	6.5
WNW	1.9	2.9	1.3	1.0								7.1	6.4
NW	.6	.3	1.6									2.6	6.5
NNW	1.0	.3	.6	.3								2.3	5.9
VARB													
CALM												28.7	
	20.0	23.2	23.9	3.9	.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

97931

BFA'FORT, SC

73-92

JAN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

COMMENTS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.3	1.9									7.4	4.4
NNE	1.3	1.2	2.3									5.5	5.5
NE	.7	1.3	1.6									3.2	6.1
NNE		.7	.3									.6	7.0
E	.3	.3										.6	2.5
ESE		.2										.6	4.0
SE	.3											.3	2.0
SSE	.3	.6			.3							1.3	7.3
S	1.3	.6	2.9	.6								5.5	7.0
SSW	1.6	1.6	1.0	.3								4.5	5.1
SW	1.3	1.3	1.0									3.6	5.1
WSW	1.9	3.5	2.3	.6								8.4	5.6
W	2.9	2.6	3.5	1.9								12.9	6.9
WNW	2.9	2.3	2.6	.3								8.1	5.3
NW	1.9	1.3	.3	.3								3.9	4.3
NNW	2.3	1.9	.3									4.5	3.6
VARB													
CALM												29.0	
	21.9	22.6	21.9	4.2	.3							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

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.5	2.6									8.1	5.2
NNE	1.6	3.2	2.3	.6								7.7	5.9
NE	.6	2.3	1.3									4.2	5.8
ENE		.6	1.0									1.6	7.2
E	.5											.6	2.5
ESE		.3										.3	5.0
SE	1.0											1.0	2.7
SSE	.3	.3	.3									1.0	5.3
S	1.3	2.6	.6	.6								5.2	5.6
SSW	.6	2.3	1.0	.3								4.2	6.2
SW	1.6	1.9	1.0	.3								4.8	5.2
WSW	1.3	2.6	1.9	.3								6.1	6.2
W	1.2	3.5	4.2	1.0	.3							14.2	6.2
WNW	2.6	2.9	1.6	.3								7.4	5.0
NW	.6	.1	.3									1.1	5.5
NNW	2.6	.6	1.0									4.2	4.2
VARIABLE													
CALM												28.1	
	20.0	28.7	19.0	3.9	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

BR08

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

73431  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.7	2.9	1.3								0.1	7.2
NNE	7.2	4.5	2.9	1.0								11.6	6.1
NE	.6	2.3	1.9	1.3								6.1	7.2
ENE	.6	2.3	1.3	.3								4.5	6.3
E	.3	1.0	.3									1.6	5.6
ESE	.6	.3										1.0	3.7
SE	.3											.3	3.0
SSE		1.3	.6									1.9	6.7
S	.6	2.3	2.3									5.2	6.3
SSW	.6	1.0	1.0	.6	.3							3.5	8.1
SW		7.2	1.9		.3							5.5	7.0
WSW	.3	2.6	3.5	2.6	.6							9.7	9.0
W	.6	2.6	6.5	2.3	.3							12.3	8.3
WW	1.6	2.9	3.5	1.9								10.0	7.3
NW		1.0	2.6									3.5	7.8
NNW	1.6	1.9	1.9									5.5	5.2
VARIABLE													
CALM												9.7	
	12.3	31.9	33.2	11.3	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93931  
STATION

REAFORT, SC  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

13  
NUMBER (L.S.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	.6	1.6	2.4	.3								4.4	6.6
NNE	1.3	3.5	3.2	.6								8.7	6.3
NE	.3	1.0	1.7	.3								2.6	7.3
ENE	1.9	.6	.3									2.9	3.6
E	.6	2.3	1.3	.3								4.5	6.6
ESE	1.0	1.6	.3									2.9	4.7
SE	1.7	.3										1.3	3.5
SSE	.3	1.9	.6	1.7								3.9	7.2
S	1.0	2.3	3.5	.6	.6							8.1	7.7
SSW	.3	1.3	1.9	.3								3.9	7.1
SW	1.7	1.0	1.6	.3								3.9	6.6
WSW	.3	1.9	3.5	1.9	.3							8.1	8.6
W	.3	4.2	9.0	6.8	1.3							21.3	9.8
WNW	.3	1.6	2.3	1.9								6.5	8.6
NW	1.9	2.6	2.6	.3								7.4	5.9
NNW	1.0	1.3	1.3	.6								4.2	6.5
VARB													
CALM												5.2	
	13.2	29.4	34.8	15.2	2.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97471  
STATION

STATION NAME  
SCHAFFORT, S.

73-82  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	.6	7.9	1.3								7.7	7.2
NNE	.6	1.6	1.6	.3								4.2	6.3
NE	1.0	.3	1.0	.3								2.6	6.1
NNE	.6	.6	1.0									2.3	5.6
E	1.6	3.5	1.6	.3								7.1	5.6
ESE	1.7	1.9	1.9									4.8	5.7
SE	1.3	1.6										2.6	3.5
SSE	.6	2.3	3.2	.3								6.5	6.6
S	1.7	.6	4.2	2.3								8.1	8.9
SSW		1.0	.6									1.6	7.2
SW	1.0	1.0	1.6	.3								3.9	6.3
WSW	.3	2.6	2.9	2.3	.3							8.4	8.7
W	1.0	4.5	6.5	7.7	.6							20.3	9.6
WW	.6	1.9	3.9	1.3								7.7	8.7
NW	.3	.3	1.6	1.0								3.2	8.9
NNW	.6	1.0	1.3	.3								3.2	6.8
VARIABLE													
CALM												5.8	
	13.2	25.5	36.8	17.7	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831

REAFORT, SC

73-82

JAN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

19

NOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	1.0	.3								4.0	5.9
NNE	1.0	1.3	1.6	.3								4.5	5.9
NW		.6	1.6	.3								2.6	8.3
NNE	2.3	.6	.6									3.5	4.0
S	1.9	1.3	.6									3.9	4.2
SSE	1.9	.3	.6									2.9	3.7
SE	2.3	1.3										3.2	2.8
SSE	2.3	1.0	.6	.6								4.5	5.6
S	4.2	6.9	2.3			.3						13.2	5.0
SW	1.0	1.6	1.0									3.5	4.8
SW	.6	1.3	.6									2.6	4.9
WSW	1.9	2.6	1.6									6.1	4.6
W	4.8	4.2	4.5	1.9								15.5	6.2
WSW	1.6	1.3	1.3	1.0								5.2	6.5
NW	.6	.6	1.0									2.3	5.1
NNW	.3	1.6										1.9	3.8
VARBL													
CALM												19.7	
	27.7	26.7	19.0	4.5		.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

8800



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97801

BEAUFORT, SC

73-82

JAN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

22

CLASS

NOBS (L.S.T.)

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	1.7	1.6	1.6									5.2	5.0
NNE	1.9	1.9	1.3									5.2	4.6
NE	.6	1.9	1.7	.3								3.9	5.8
NNE	1.7		.6									1.6	4.8
E	1.7	.6										1.6	2.6
ESE	1.7		.3									1.6	3.0
SE		1.7		.3								1.6	6.8
SSE	.6	1.7	.3	.3								2.3	6.0
S	1.6	2.3	3.8	.3								7.7	6.5
SSW	3.9	2.6	1.3									7.7	4.1
SW	1.3	2.3	1.3			.3						5.2	6.3
WSW	1.6	2.6	1.7									5.2	4.6
W	1.9	3.9	6.1	2.6								14.5	7.6
WW	1.6	1.0	1.6	1.0								5.2	6.9
NW	.3	.3	.6									1.3	5.8
NNW	.3	1.0	.6									1.9	6.0
YARR													
CALM												28.4	
	21.0	24.2	21.3	6.8		.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93871  
STATION

BFAJFORT, SC  
STATION NAME

73-82  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.T.)

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	1.6	2.3	2.1	.4								6.5	5.9
NNE	1.6	2.6	2.1	.4								6.7	5.8
NE	.6	1.2	1.4	.3								3.6	6.4
ENE	.3	.6	.7	.3								2.3	5.3
E	1.1	1.2	.5	.1								2.7	4.9
ESE	.8	.6	.4									1.9	4.6
SE	.8	.5	.7	.0								1.4	3.6
SSE	.7	1.1	.4	.3	.7							2.9	6.2
S	1.6	2.2	2.7	.7	.1	.0						7.4	6.7
SSW	1.2	1.9	1.2	.2	.1	.0						4.6	5.7
SW	1.7	1.4	1.3	.1	.0	.0						4.3	5.9
WSW	1.0	2.5	2.3	1.0	.2							6.9	6.9
W	2.2	4.0	6.7	3.1	.3							15.8	7.8
WNW	1.7	2.1	2.3	1.1								7.1	6.7
NW	.8	.8	1.3	.2								3.2	6.2
NNW	1.2	1.2	.6	.2								3.4	5.2
VARIABLE													
CALM												19.3	
	19.7	26.8	26.2	8.2	.7	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2480

SMOG

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION

SEA FORT, SC

STATION NAME

73-82

YEARS

PERIOD

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	2.5	1.1	1.1	.4								5.0	5.0
NNE	1.9	1.1	1.9									4.6	5.3
NE	.7	1.1	1.1	1.1								3.9	7.5
ENE	2.1	.7	.7	.4								3.9	4.9
E	.7	.7	.4	.4								2.1	4.7
ESE	.4											.4	3.0
SE	.4		.4	.7								1.4	8.5
SSE	.7	.7	.4									1.8	3.8
S	1.8	3.9	1.1	.7	.4							7.8	6.5
SSW	1.6	2.1	1.1									5.0	4.6
SW	1.4	2.8	1.1									5.3	4.5
WSW	2.5	2.5	1.1	.7								6.7	5.2
W	2.5	3.5	1.8	.7	.7							9.7	6.9
WWW	2.5	3.2	2.5	1.8								9.9	6.4
NW		1.4	1.1	.7								3.2	7.1
NNW		1.8	.7	.7								3.2	7.7
VARIABLE													
CALM												26.6	
	21.6	26.6	16.0	8.2	1.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

282

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION

BEAUFORT, SC

73-82

PER

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

04

CLASS

MOON (L E T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	2.1	.4								5.3	6.4
NNE	2.5	2.8	1.1	1.1								7.4	5.9
NE	1.1	1.4	.4	1.1								3.9	7.0
NNE	1.1	1.4	.7									3.5	5.0
E	.4											.4	2.0
ESE	.7											.7	2.5
SE			.4									.4	7.0
SSE	1.4	.7	.4	.4	.4							3.2	6.6
S	1.4	1.4	1.1	1.1								5.3	6.3
SSW	2.1	2.5	1.1									5.7	4.4
SW	1.1	2.5	1.4	.4								5.3	5.7
WSW	2.1	3.9	2.1	.4								8.5	5.4
W	2.8	1.4	1.8	1.8								7.8	6.6
WNW	1.4	3.2	2.5		.4							7.4	6.6
NW	3.9	1.1	1.1	.4								5.3	4.8
NNW	1.1	2.5	1.1									4.6	5.1
VARIABLE													
CALM												75.2	
	23.4	27.0	17.0	6.7	.7							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

282

8105

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION SEA FORT, SC

73-82

FFP

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	48-53	≥56	%	MEAN WIND SPEED
N	3.2	2.5	3.2	.4								9.9	5.7
NNE	1.4	3.2	2.1	.7	.4							7.8	6.9
NE	.7	2.1										2.8	4.6
ENE	.7	.7		.4								1.7	5.0
E	.7	.4	.4									1.4	4.8
ESE	.7											.7	2.7
SE	.4											.4	3.0
SSE	.4	.7	.4									1.4	5.8
S	1.4	2.1	1.4	.7	.7							6.4	7.9
SSW	1.1	2.1	.7									3.9	4.5
SW	1.1	1.1	1.1	.4								3.5	5.5
WSW	2.5	3.2	3.2									8.9	5.3
W	2.8	2.8	2.1	1.1	.4							8.9	6.5
WNW	2.8	2.5	1.8	.4	.4							7.8	5.6
NW	1.8	2.5	.4									4.6	3.6
NNW	1.1	3.2	.4	.4								5.7	5.1
VARIABLE													
CALM												24.8	
	22.3	29.1	17.7	4.3	1.8							100.0	4.3

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: 17811 STA FORT, SC STATION NAME: 73-52 YEARS: FEB NORTH: 10 HOURS (LST):

CLASS: ALL HEATED

CONDITION:

SPEED (KNTS) DIR.	1-3	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	5.7	1.8								10.6	8.0
NNE	1.3	3.2	4.3	.7								9.9	6.5
NE	.7	3.2	4.6	.4	.4							9.7	7.3
ENE	1.1	1.8	1.4									4.7	5.0
E	1.1	1.4	.7									3.7	4.9
ESE	.4	.4		.4								1.1	7.7
SE		1.8										1.6	4.8
SSE		.4	1.1									1.4	7.5
S	1.2	1.9	2.4	.7	.4							7.4	7.2
SSW	.4	.7	1.4	1.4								3.6	9.1
SW	.4	1.1	1.0	1.4								4.6	8.3
WSW	.7	3.9	2.1	1.4								8.7	7.0
W	.7	1.9	4.6	2.1								9.2	8.6
WNW	.4	.4	2.8	1.4	.4							5.3	9.6
NW	1.1	2.1	3.2	.7								7.1	7.0
NNW	1.1	1.8	1.4	.4								4.6	5.7
VARBL													
CALM												8.5	
	12.1	29.0	37.9	12.8	1.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

13  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	4.6	1.4								8.5	7.8
NNE	.7	2.5	.7	.7								4.6	6.1
NE	1.1	1.5	1.1	.4								4.3	5.5
ENE	.7	2.1	2.5	.4								5.7	6.4
E	2.1	1.3	2.1	.7								6.7	6.3
ESE		.7	2.1									2.3	7.1
SE	.4	.4	.7	1.1								2.5	9.0
SSE	.4	.7	2.1	1.1								4.3	7.8
S	.7	2.8	3.2	2.5								9.2	9.0
SSW	.7	1.1	3.2	1.4								6.4	8.1
SW	.7	1.4	1.4	1.1								4.6	7.5
WSW	.7	.7	2.1	.7								4.3	8.0
W	2.3	2.3	5.7	3.2								14.5	8.0
WNW	.4	2.5	3.5	2.8	.4							9.6	9.4
NW	.4	1.4	.4	1.4								3.5	8.7
NNW	1.4	.7	.7	.7								3.5	6.7
VARBL													
CALM												5.0	
	14.2	24.8	36.2	19.5	.4							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION  
07071

BALFORTH, SC

STATION NAME

73-82

YEARS

FEB

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	2.5	.4								4.5	7.1
NNE			1.1	1.1								2.1	11.0
NE	.7	1.1	1.1									2.8	4.9
ENE		.2	1.4									4.6	5.6
E	1.8	1.8	2.1	2.1								7.8	7.2
ESE	.7	3.2	2.5	.4								6.7	6.5
SE		2.5	1.4	.4								4.3	6.8
SSE	.4	2.8	2.8	2.1								8.2	7.6
S		2.8	5.0	1.8	.4							9.9	9.6
SSW	.4	1.4	2.5									4.3	6.6
SW		1.1	1.1	1.4								3.5	9.2
WSW	.4	1.8	2.5	2.5								7.1	9.0
W	.7	2.1	5.3	4.3	.4							12.8	9.5
WNW	.4	1.8	3.9	2.1	.4							8.5	9.0
NW	.4	.4	2.1	2.1								5.0	9.6
NNW	.7	.7	2.8									4.3	6.9
VARBL													
CALM												3.5	
	7.1	27.7	40.1	20.6	1.1							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

282

8806



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93871  
STATION

BFA FORT, SC  
STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.0	1.4									6.7	5.3
NNE	.7	1.1	.7	1.1								3.5	7.5
NE	.4	.4	.7	.4								1.8	6.8
ENE	.7	1.4	.7	.4								3.2	6.0
E	4.6	2.5	2.1									9.2	4.5
ESE	2.5	2.5										5.7	3.4
SE	1.9	.7	1.1									3.5	4.4
SSE	3.5	4.3	2.1									9.9	4.8
S	3.5	9.2	1.8	.4								14.9	4.6
SSW	1.1	1.1	.7	.4								3.2	6.7
SW	2.9	2.1	.4									5.3	3.5
WSW	1.3	2.1	.4									4.3	3.8
W	3.5	3.5	2.5	1.8	.4							11.7	6.7
WNW	.7		.7	.4	.4							2.1	8.7
NW	2.1	.7	.4									3.2	3.0
NNW	1.4	.4	.7	.4								2.8	5.3
VARB													
CALM												9.6	
	32.6	35.4	16.3	5.0	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97531  
STATION

BEAUFORT, SC  
STATION NAME

73-92  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	1.4	.4								3.2	6.4
NNE	1.1	2.5	1.4	.4								5.3	5.7
NE	2.1	1.8	.4	.7								5.7	5.0
ENE	1.4	1.4	1.1	.7								4.6	6.2
E	1.8	.7										2.5	2.7
ESE	1.4	.7										2.1	2.7
SE	1.1			.4								1.4	4.8
SSE	.7											.7	2.0
S	5.0	5.7	3.5	1.1								14.5	5.4
SSW	.4	3.2	1.1									4.6	5.5
SW	1.1	2.5	1.1									4.6	5.2
WSW	1.4	2.5	1.1									5.0	6.7
W	2.1	3.5	2.5	1.1								9.2	6.3
WNW	1.4	1.8	2.1	1.1	.4							6.7	7.6
NW	.4	.4	1.8	.8								2.8	7.8
NNW	.4	.7	.4									1.4	5.5
VARBL													
CALM												26.2	
	22.7	27.0	17.7	6.0	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 282

BR08

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97811  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

FEP  
MONTH

ALL WEATHER  
CLASS

ALL  
SOURCE (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	1.4	1.2	2.2	.6								6.6	6.6
NNE	1.2	2.0	1.6	.7	.3							5.7	6.5
NE	.9	1.4	1.2	.5	.0							4.2	6.3
ENE	1.0	1.5	1.1	.3								3.9	5.6
E	1.4	1.2	1.0	.4								4.2	5.4
ESE	.9	1.0	.6	.1								2.5	5.0
SE	.5	.7	.5	.3								2.0	6.3
SSE	.9	1.3	1.2	.4	.0							3.9	6.2
S	2.0	3.6	2.5	1.1	.2							9.4	6.5
SSW	1.0	1.5	1.5	.4								4.6	6.2
SW	1.1	1.8	1.2	.6								4.6	6.0
WSW	1.5	2.6	1.8	.7								6.6	6.1
W	2.2	2.7	3.3	2.0	.2							10.4	7.5
WNW	1.2	1.9	2.5	1.2	.3							7.2	7.7
NW	1.1	1.2	1.3	.7								4.3	6.4
NNW	.9	1.5	1.0	.3								3.7	6.0
VARB													
CALM												16.1	
	19.5	26.2	24.0	10.4	.9							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2256

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-A2  
YEAR

MAP

ALL WEATHER  
CLASS

01  
MONTH

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		.3	1.0	.3								1.6	6.8
NNE	.3	1.9	.3	.6								3.2	6.8
NE	1.0	1.9		.6								3.4	5.2
ENE	1.6	.6	.6	.3								3.2	4.7
E	2.6	2.3	.3									5.2	3.8
ESE	.6		.3									1.0	4.3
SE	.3	1.3		.6								2.3	6.6
SSE	1.3	1.3	1.0									3.5	4.6
S	1.9	3.5	3.5	1.0								10.0	6.6
SSW	1.3	4.5	1.9	.6								8.4	5.8
SW	2.7	2.3	.6									5.2	4.1
WSW	1.9	2.3	.6	.3								5.2	4.6
W	1.6	1.6	2.6	1.0								6.6	6.8
WW	1.3	1.3	1.3	.6								4.5	6.8
NW	.6	.6	1.0	.6								2.9	6.9
NNW	.3	1.0	1.0	.3								2.6	7.1
VARIABLE													
CALM												31.0	
	19.0	26.8	16.1	7.1								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAR

MONTH

ALL WEATHER  
CLASS

DA

NOVEMBER (L.S.T.)

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	1.3	1.3	1.6									4.2	5.2
NNE	1.3	3.2	1.7	.6								6.1	5.7
NE	1.3	.6	.6	.3								2.9	5.6
NNE	.3	1.7	.7									1.6	4.4
E	1.4	1.3	1.0									3.9	4.3
ESE	.6											.6	2.0
SE	.6	.6	.3	.3								1.9	6.0
SSE	1.0	.3	.3	.3								1.9	4.7
S	2.6	5.2	1.3	1.9								11.0	6.1
SSW	1.6	3.9	1.3	1.0								7.7	5.8
SW	1.0	2.6	.6									4.2	4.4
WSW	1.9	1.0	1.0									3.9	3.8
W	4.2	1.6	1.9	.6		.3						8.7	5.5
WNW	1.0	2.3	1.9	1.0								6.1	6.4
NW	1.6	2.3	1.3									5.2	4.6
NNW	1.3		.6	.3								2.3	5.6
VARIABLE													
CALM												27.7	
	23.2	27.1	15.2	6.5		.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

310

SMO6

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

VT831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAD  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

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	1.5	1.6	1.9	.3	.3							5.8	6.4
NNE	3.2	1.9	2.3	.6								8.1	5.6
NE	1.9	1.6	.3	.3								4.2	4.3
NNE	1.0	1.4	1.9	.3								3.9	5.7
E		1.0	.3									1.3	5.8
ESE	1.3	.6										1.9	2.8
SE	.3	.6	.6	.3								1.9	6.8
SSE	1.3	.6	.6									2.6	4.3
S	7.3	2.3	2.3	.6								7.4	5.9
SSW	1.3	3.9	1.6									6.8	5.6
SW	2.9	1.9	1.9									5.8	3.9
WSW	3.2	2.6	1.6									7.4	4.5
W	2.6	1.3	2.3	1.3								7.4	6.0
WNW	1.9	1.9	.6									4.5	3.9
NW	1.9	1.0	1.9	.3								5.2	5.5
NNW	1.9	.3	.3	.3								1.9	4.7
VARS													
CALM												23.0	
	27.7	24.8	18.7	4.5	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

COMPTON

SPEED (KNTS) DNL	1-3	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	1.0								4.1	6.8
NNE	1.0	2.3	2.4	.3								6.1	6.5
NE	1.3	2.6	1.9	.3								6.1	6.1
NNE	.6	1.0	2.9	.6								5.2	7.8
E	.6	2.9	3.5	.3								7.4	6.6
ESE	.3	1.0	.6	.3								2.3	6.7
SE	.3	.3	.6	.3		.3						1.9	9.3
SSE	.3	.6	1.6	.6								3.2	7.7
S	1.0	2.6	4.8	2.3	.6							11.3	8.7
SSW	.3	1.0	3.2									4.5	7.0
SW	1.0	1.3	1.9	1.3								5.5	7.4
WSW	.6	1.6	1.0	.6	.3							4.2	8.2
W	1.9	3.2	4.5	2.3	1.0							12.9	8.3
WNW	1.0	2.9	1.0	1.6								6.5	7.4
NW	.3	2.3	1.4	1.0								5.2	7.4
NNW	.3	1.6	2.7									4.2	6.7
VARB													
CALM												5.6	
	11.9	29.7	37.7	12.9	1.9	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

92831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAC

ALL WEATHER  
CLASS

17  
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	1.5	3.2	1.5	.3								6.8	5.5
NNE	1.3	1.0	.6	.3								3.2	5.1
NE	.6	2.3	1.0	.3								4.2	6.1
ENE	.3	2.3	.6	1.0								4.2	6.8
E		1.9	3.5	2.3								7.7	8.6
ESE	.6	1.3	.6	1.0								3.5	6.9
SE		.6	2.3									2.9	7.2
SSE	1.0	1.6	4.2	2.9	.3							10.0	8.7
S	.3	2.6	4.2	4.2	.3							11.6	9.1
SSW	1.0	1.6	1.3	.6								4.5	5.9
SW	.6	.6	1.9	1.6	.3							5.7	9.0
WSW	.3	1.6	1.0	1.9	.6							5.5	10.2
W	.6	1.3	4.5	5.2	1.0	.3						12.0	10.7
WW	1.3	2.3	2.6	1.6								7.7	7.1
NW	.3	1.0	1.3	.3								2.9	7.1
NNW	.6	.6	1.0	.3								2.6	6.9
VARIABLE													
CALM												4.5	
	10.6	25.8	32.3	23.9	2.6	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

8806



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5										.6	4.5
NNE	.6	1.0	1.3	.3								3.2	6.3
NE	.6		1.0	.3								1.9	7.2
NNE		1.0	1.0	.6	.6							4.2	9.5
E	.6	1.3	4.5	2.3								9.7	8.0
ESE	.6	2.3	2.6	.3								5.8	6.6
SE	1.0	1.9	6.5	.6								10.0	7.5
SSE	.6	2.3	7.1	2.9								12.9	8.7
S	1.0	1.6	6.5	5.5	1.3							15.9	9.9
SSW	.3	.6	1.0	1.0	.3							3.2	9.6
SW	.3		1.0	.3	.3							2.9	10.0
WSW		1.3	1.6	1.6	.3							4.9	10.0
W	1.0	2.3	3.9	4.5	1.0	.3						12.9	10.1
WNW	.6	1.3	2.3	2.9								7.1	9.3
NW	.3	.3	1.3									1.9	6.5
NNW	.3	1.3	.3	.3								2.3	5.9
VARB													
CALM												1.3	
	8.1	19.1	43.7	23.6	3.9	.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

379

UNOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

07031

BEAUFORT, SC

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

19

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	.3	.3									2.3	3.6
NNE	.3	1.3	.3									1.9	5.2
NE		.3	1.0	.3								2.6	8.6
NNE	.3	.6	1.3	.3								2.6	6.9
E	3.9	4.2	1.9									10.0	4.4
ESE	2.3	4.9	1.9									8.1	4.6
SE	3.6	2.6	.3									6.5	3.4
SSE	3.2	7.4	2.6	.3								13.6	5.2
S	4.9	8.1	5.8	1.9	.6							21.4	6.4
SSW	1.0	1.3	1.0	.6								3.9	6.3
SW	.6	1.3	.6									2.6	4.8
WSW	.3	1.9	1.0	.3								3.4	6.5
W	2.6	2.6	2.6	1.6								9.4	6.2
WNW	1.0	1.3	.3	1.0								3.4	6.5
NW	1.0	.6	.3									1.9	3.7
NNW	.4	.6	.3	.3								1.9	5.8
VARBL													
CALM												4.2	
	27.2	39.5	21.7	6.8	.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

309

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93871  
STATION

REAFORT, SC  
STATION NAME

73-97  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

22  
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	.7	1.3		.3								1.9	6.0
NNE	.7	.6	.3									1.3	5.0
NE	1.6	.6	.3	.3								2.9	4.4
ENE	.6	.6	.6	.6								2.6	6.9
E	3.5	3.5	1.0									8.1	3.9
ESE	1.3	1.0										2.3	3.4
SE	1.0	.6	.6	.3								2.6	5.5
SSE	1.0	2.6	1.0									4.5	4.9
S	5.2	6.5	4.5	.3	.3							17.4	5.4
SSW	2.6	2.3	1.6	1.0								7.4	6.0
SW	1.9	2.3	.3									4.5	3.7
WSW	1.6	1.3	1.0									3.9	4.4
W	1.6	1.9	1.3	1.6	.3							6.8	7.5
WNW	1.3		2.6	.3								4.2	6.8
NW	1.3	.3	.6	.3								2.6	5.5
NNW	.3	.3	1.0									1.6	6.2
VARBL													
CALM												25.5	
	26.1	25.8	16.8	5.2	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION 97801 BEAUFORT, SC

73-82

MAP

STATION

STATION NAME

YEARS

SOUTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.0	1.0	.3	.0							3.0	6.0
NNE	1.0	1.0	1.0	.4								4.0	5.9
NE	1.0	1.0	.0	.4								3.0	5.8
ENE	.0	1.0	1.0	.5	.1							3.0	6.0
E	1.0	2.0	2.0	.6								6.0	5.8
ESE	1.0	1.0	.0	.2								3.0	5.2
SE	.0	1.0	1.0	.3		.1						3.0	6.3
SSE	1.0	2.0	2.0	.0	.0							6.0	6.8
S	2.0	4.0	4.0	2.0	.4							13.0	7.2
SSW	1.0	2.0	1.0	.0	.0							5.0	6.2
SW	1.0	1.0	1.0	.4	.1							4.0	5.8
WSW	1.0	1.0	1.0	.6	.2							4.0	6.5
W	2.0	2.0	2.0	2.0	.4	.1						9.0	6.0
WNW	1.0	1.0	1.0	1.0								5.0	6.0
NW	.0	1.0	1.0	.3								3.0	5.6
NNW	.0	.0	.0	.2								2.0	6.2
VARBL													
CALM												15.0	
	19.2	27.3	25.3	11.3	1.3	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2478

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

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

97311  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AP7  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7	.3								2.3	5.6
NNE	.7	.3	.3									1.3	4.5
NE	1.7	.3	.3									2.0	3.7
ENE	1.7	.7	.3									2.7	3.4
E	2.3	1.7										4.0	3.4
ESE	.7	1.3	.3									2.3	4.3
SE	1.7	.3	.7									2.3	2.7
SSE	1.7	1.3	1.7	.7								4.3	5.9
S	4.7	5.3	4.3	1.7								14.7	5.5
SSW	2.7	2.7	1.7	.3								7.7	5.2
SW	1.7	4.7	.7	.3								6.7	4.7
WSW	1.7	1.7	2.7									5.3	6.1
W	2.7	2.7	1.7	.3								6.7	5.5
WNW	.7	1.3	2.7	.3								4.3	6.6
NW	1.7	1.3	.7									3.7	4.9
NNW	.7		.7									1.7	4.3
VARBL													
CALM												10.0	
	24.7	25.0	17.0	3.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

300

8808

4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: 07831 HEADFORT, SC STATION NAME: YEARS: 73-82 MONTH: APR  
 CLASS: ALL WEATHER HOURS (L.S.T.): 04  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.3									2.3	4.7
NNE	2.0	1.0	1.0	.3								4.3	4.8
NE	2.3	.3										2.7	2.8
ENE	1.7	.3	.3									1.7	4.0
E	1.7											1.7	1.8
ESE		.7										.7	5.0
SE	.7											.7	1.5
SSE	1.7	.3										1.3	2.0
S	1.7	5.7	3.0	.7								11.0	5.9
SSW	2.3	2.3	1.3	.3								6.3	5.2
SW	1.7	3.7	.7									6.0	4.7
WSW	1.7	1.7	1.7	.3								5.3	5.5
W	1.7	1.7	3.7	.7								7.7	6.7
WNW	1.3	1.7	1.7									4.7	5.3
NW	1.7	1.3	.7		.7							5.3	5.1
NNW	.7	1.3		.3								2.0	5.8
VARBL													
CALM												36.3	
	23.0	23.3	14.3	2.7	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APP

MONTH

07

HOURS (L E T)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.3	1.3	.3	.3							5.7	5.9
NNE	1.7	2.0	1.3	.3								5.3	5.3
NE	1.0	2.7										3.7	4.0
NNE	1.3	1.7										3.0	3.7
E	1.0	.7	.7									2.3	4.7
ESE	.7	.3										1.0	2.7
SE	.7	.3										1.0	2.7
SSE	.7	1.0	.7									2.3	5.4
S	3.7	2.7	2.3									8.7	4.8
SSW	1.3	1.0	1.3	1.0								4.7	6.9
SW	2.0	3.7	.7	.3								6.7	5.0
WSW	1.7	4.7	1.7									8.0	5.3
W	2.0	2.0	3.3	1.0	.3							8.7	7.1
WNW	1.3	2.0	1.0	.3								4.7	5.3
NW	.7		.3									1.0	4.3
NNW	1.7	1.0	1.3									4.0	4.8
VARBL													
CALM												29.3	
	23.7	27.0	16.0	3.3	.7							100.0	3.7

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  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.3								4.3	6.5
NNE	.7	1.7	3.3	.3								6.0	7.0
NE	.7	3.0	1.3	.7								5.7	6.2
ENE	.7	1.3	2.3	.3								4.7	6.7
E	.7	4.3	3.7	.7								8.7	6.5
ESE	1.0	1.0	1.3	1.3								4.7	7.5
SE	.7	1.0	2.0	.7								4.3	7.2
SSE	.3	.7	.7	.7								2.3	7.7
S	1.0	1.0	5.7	2.3								10.3	8.7
SSW	.3	3.3	3.3	1.7	.3							6.0	8.2
SW	2.0	.3	3.0	.3								5.7	6.6
WSW	.3	2.3	2.3	1.3								6.3	7.8
W	1.3	3.7	5.7	1.3	.7							12.7	8.1
WNW	.7	1.7	2.0	1.7								6.0	8.4
NW	.7	.3	1.7									2.7	6.8
NNW	.3	2.0	1.0									3.3	5.9
VARB.													
CALM												3.7	
	12.0	29.3	40.3	13.7	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

300

8805



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.3								3.7	5.3
NNE	.7	.7	.7									2.0	5.3
NE	1.3	1.7	1.0	.3								4.3	5.1
NNE	1.3	.7	2.0									4.0	5.7
E	1.0	2.0	5.0	1.3								9.3	7.3
ESE	.3	1.3	4.3	2.3								8.3	9.5
SE	1.0	1.3	2.3	1.0								5.7	7.2
SSE	.3	1.7	6.0	1.7								9.7	8.5
S	1.0	1.0	5.3	3.0	.3							10.7	9.2
SSW	.7	.7	3.0	1.7	.3							6.3	8.9
SW	.3	1.0	2.7	.7	.3							5.7	8.3
WSW		1.0	3.0	1.7	.3							6.0	9.5
W	2.0	1.3	6.0	3.3	.3	.3						13.3	8.7
WNW	1.0		1.7	2.3								5.0	9.3
NW	.3	.7	.7	.3								2.0	8.2
NNW	.3	1.7		.3								2.3	6.0
VARB													
CALM												2.3	
	13.0	16.0	44.3	20.3	1.7	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

0333  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

16  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	1.3	1.0								3.3	8.1
NNE		.3	.3	.3								1.0	9.3
NE	.3	.3	.7	.3								1.7	6.8
NNE			2.0									2.0	5.8
E	1.3	1.3	4.7	3.0								10.4	8.3
ESE	.3	1.7	4.0	.3								6.4	7.4
SE	.3	1.3	5.0	1.3								8.0	8.3
SSE	.3	3.7	7.7	3.0	.3							15.1	8.7
S	1.7	2.0	10.0	4.0	.3							18.1	8.7
SSW		.3	1.7	1.3								3.3	9.6
SW		.3	1.7	1.0								3.0	9.2
WSW	.7	2.0	2.3	1.0	.3							6.4	8.3
W	1.0	2.0	3.3	5.0	1.0							12.4	9.9
WNW		.7	1.7	1.3	.3							4.0	10.3
NW		.7	1.7									2.3	7.7
NNW	.7	.3	.3	.3								1.7	5.8
VARB.													
CALM												1.3	
	7.0	17.4	48.5	23.4	2.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

299

SMCS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

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	.3	.3	.7	.7								2.0	7.5
NNE	1.0	.7	.3									2.0	4.3
NE	.7											.3	2.0
ENE	.7			.3								1.0	5.7
E	2.0	7.7	3.3	.3								13.3	5.5
ESE	1.0	4.3	1.0	.7								7.0	5.8
SE	.3	3.0	1.0									4.3	5.4
SSE	3.7	6.3	3.3	1.0								14.3	5.6
S	4.7	11.3	10.3	.3								26.7	5.9
SSW	.3	.7	1.3	.7								3.0	7.4
SW	1.7	1.0	1.3									4.0	4.8
WSW	1.3	1.7	1.0									4.0	5.0
W	2.0	2.3	2.7	1.0								8.0	6.3
WNW	1.3	2.7	.7	.3								5.0	5.1
NW	.3	.3	.3									1.0	4.3
NNW													
VARB.													
CALM												4.0	
	21.0	42.3	27.3	5.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93331

BEAUFORT, SC

73-82

APC

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

22

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	.7									1.3	5.3
NNE	1.3			.3								1.7	4.4
NE	.7	.3										1.0	2.7
ENE	.3	2.7	.3	.3								3.7	5.2
E	3.7	4.7	.7									9.0	3.6
ESE	3.0	1.3	.7									5.0	3.3
SE	1.3	2.0		.3								3.7	4.5
SSE	2.7	1.3	2.0	.7								6.7	5.9
S	7.7	7.3	4.0	1.7								20.7	5.1
SSW	1.7	1.3	2.3	.3	.7							6.3	7.2
SW	1.7	1.3	1.0									4.0	5.1
WSW	1.0	2.0	1.0									6.0	4.2
W	.7	2.3	1.7	.3								5.0	6.1
WNW	.7	1.0	1.0	.7								3.3	6.8
NW	1.0		.3	.3								1.7	6.2
NNW	.3	.3										.7	4.0
VARB													
CALM												20.3	
	30.0	29.3	15.7	5.0	.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

300

5806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

## SURFACE WINDS

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

93871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
MOUSE (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.9	.3	.4	.7							3.1	6.1
NNE	1.0	.9	.9	.2								3.0	5.6
NE	1.0	1.1	.4	.2								2.7	4.8
NNE	.9	.9	.9	.1								2.8	5.4
E	1.7	2.8	2.2	.7								7.3	5.9
ESE	.9	1.9	1.5	.6								4.4	6.4
SE	.9	1.2	1.3	.4								3.9	6.3
SSE	1.3	2.0	2.7	1.0	.0							7.0	7.0
S	3.2	4.5	5.6	1.6	.1							15.0	6.6
SSW	1.2	1.5	2.0	.9	.2							5.4	7.2
SW	1.4	1.9	1.4	.3	.0							5.1	5.8
WSW	1.3	2.0	2.0	.5	.1							5.6	6.5
W	1.6	2.3	3.5	1.6	.3	.0						9.3	7.7
WNW	.9	1.4	1.5	.9	.0							4.6	7.1
NW	.9	.8	.8	.1	.0							2.4	5.9
NNW	.5	.8	.4	.1								1.9	5.4
VARB													
CALM												15.9	
	19.3	26.3	27.9	9.6	.8	.0						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2399

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

27631

BEAUFORT, SC

73-82

MAY

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	1.6	.3	.6									2.6	3.8
NNE	1.9	.6	.6									3.2	4.3
NE	.6	.3	.3									1.3	4.5
ENE	.6	.3										1.0	3.7
E	7.0	1.3	.3									4.5	3.3
ESE	.6	.3		.3								1.3	5.5
SE	1.0	1.3										2.3	3.4
SSE	.6	2.9	.3	.3								4.2	5.5
S	4.3	6.5	1.6									12.9	4.4
SSW	1.6	4.3	1.0									7.4	4.5
SW	4.5	2.3	.6									7.4	3.4
WSW	2.9	2.6		.3								5.8	3.6
W	2.9	1.6	1.3									5.6	4.4
WNW	.6	1.0										1.6	3.4
NW	.3	1.0										1.3	5.0
NNW		.3	1.0									1.3	7.5
VARB													
CALM												36.1	
	27.7	27.4	7.7	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

### SURFACE WINDS

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

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

14  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	.6	.3								4.0	4.0
NNE	1.6	1.3										2.9	3.3
NE	1.0	.6										1.6	3.6
NNE	.6	.6	.3									1.6	5.0
E	.6	.3										1.0	3.0
ESE	.7	1.0										1.3	4.0
SE	.6	1.0	.3									1.9	4.5
SSE	1.6	.6										2.3	2.6
S	3.9	2.9	.3									7.1	3.4
SSW	1.2	3.2	1.0									7.4	3.9
SW	4.2	2.9	.6									7.7	3.5
WSW	4.8	2.6	1.3									8.7	3.6
W	1.6	2.3	.3									4.2	3.9
WNW	.6	1.3	.3									2.3	4.1
NW	.6	.6	.3									1.6	5.2
NNW	1.9		.3									2.3	2.9
VARBL													
CALM												41.3	
	29.4	23.2	5.8	.3								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

07831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	2.6	1.3	.3								7.7	4.3
NNE	2.6	3.9	.6									7.1	4.1
NE	1.3	.6	.6									2.6	4.5
ENE	.3	.3	1.3									1.6	6.0
E	2.6	.6										3.2	2.5
ESE	1.3	.6	.3									2.3	3.7
SE	.3	.3										.6	4.0
SSE	2.3	.6		.3								3.2	3.6
S	2.3	2.3	.6		.3							5.5	5.1
SSW	2.3	2.6	1.3									5.8	4.3
SW	1.3	4.5	1.3	.3								7.4	5.3
WSW	2.6	4.2	1.3	.3								8.1	4.5
W	1.2	3.5	2.3									9.0	4.3
WNW	.3	1.3										1.6	4.6
NW	.6	.6										1.3	3.0
NNW	1.6	.6	1.6									3.9	5.0
VARIABLE													
CALM												79.0	
	28.4	29.4	11.6	1.3	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: BEAUFORT, SC      YEARS: 73-82      MONTH: MAY

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	2.6	2.3	.3								6.6	5.0
NNE	1.9	3.5	1.6	.3								7.4	5.3
NE	1.6	2.3	1.7									4.8	4.5
ENE	1.7	1.6	.6									3.2	5.1
E	1.7	2.6	1.6									5.6	5.5
ESE	.6	1.3	1.7	.3								3.2	5.9
SE	.3	1.3	1.6	.6								3.9	7.2
SSE	.6	2.9	1.7	.6								5.2	6.5
S	1.3	3.2	1.7	.6								6.1	5.9
SSW	1.6	2.9	1.7	.6								6.5	5.4
SW	3.9	3.9	1.9	1.7								10.6	5.2
WSW	3.5	3.2	1.6	.6								8.1	5.7
W	1.7	4.2	5.8	1.7								11.9	7.0
WNW	1.3	1.3	.6	.3								3.5	5.2
NW	1.3	1.7										2.3	3.4
NNW	.6	2.3	1.7									3.9	5.3
VARB.													
CALM												7.4	
	27.3	40.0	23.9	6.5								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

13  
DAYS (L.S.T.)

CONDITION

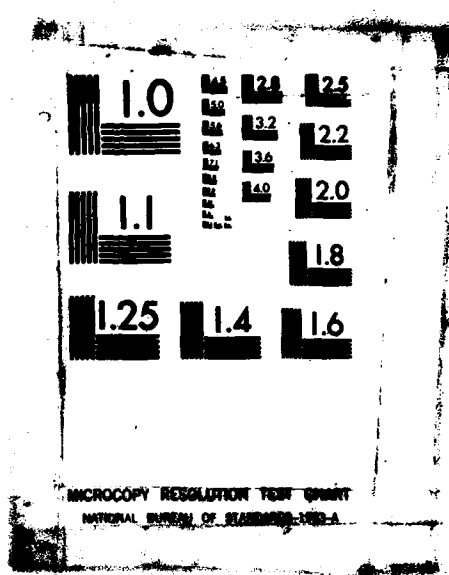
SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	1.0									5.5	4.9
NNE	1.0	1.9	1.6	.3								4.7	5.6
NE	.3	1.0										1.3	4.3
ENE	1.3	1.3	.6									3.2	4.9
E	1.9	2.9	2.9	.3								8.1	5.9
ESE	.6	2.9	2.3	1.0								6.4	7.1
SE	1.3	2.3	3.2	.6								7.4	6.9
SSE	.3	2.6	2.3	1.3								6.5	7.4
S	2.3	4.2	4.2	1.9								12.6	6.8
SSW	3.9	1.0	1.6	.6								7.1	5.0
SW	1.0	1.6	3.9									7.5	6.7
WSW	.3	1.6	2.6	1.0								5.4	7.9
W	.3	2.6	5.2	.6								8.7	7.5
WNW	.3	.6	.6	.3	.3							2.3	5.7
NW	1.0	1.3	.6									2.9	5.1
NNW	.3	2.3	1.0									3.7	5.5
VARBL													
CALM												7.4	
	16.1	32.3	33.0	8.1	.3							170.7	6.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS





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

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

16  
DAYS (L.S.T.)

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	.6	1.3	1.9	.3								4.2	7.2
NNE	.6	.3	.3									1.3	5.0
NE	.6	1.3	.6	.3								2.9	5.6
NNE	.3	.3	2.3									2.9	7.2
E		2.9	4.2	.3								7.4	7.3
ESE	.6	3.5	4.2	.6								9.0	6.9
SE	1.0	2.6	5.2	1.3								10.0	7.3
SSE		3.9	11.3	2.3								17.4	8.2
S	1.0	6.5	7.7	2.3								17.4	7.6
SSW	1.0	1.0	.3	1.0								3.2	6.9
SW	.3	1.9	1.3	.3								3.9	6.3
WSW	.3	1.3	1.6	1.0								4.2	7.9
W	1.3	1.6	2.9	.6								6.5	6.7
WNW	.3	1.9	1.6	.3								4.2	6.6
NW	.6	.6	1.3									2.6	5.8
NNW	.3	1.0										1.3	4.5
CALM												1.6	
	9.0	31.9	46.8	10.6								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
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	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	.6	1.0								3.2	6.8
NNE	.5	.6										1.3	3.3
NE	.6	.6	.3									1.6	4.8
NNE	.3	.6	.6									1.6	5.4
E	4.2	4.8	2.6									11.6	4.8
ESE	1.9	2.6	1.6									6.1	4.6
SE	1.5	4.8	2.6									9.0	5.4
SSE	2.6	7.7	3.2	.3								13.9	5.8
S	5.8	15.2	9.4	.6								31.0	5.6
SSW	.6	1.0	.3	.3								2.3	5.7
SW	1.0	1.6	1.0	.3								3.9	5.9
WSW	1.6	1.3	.3									3.2	3.8
W	1.9	1.6	.6	.3								4.5	4.4
WW	.3	.3										.6	3.0
NW	.6	.3	.3									1.3	4.8
NNW	.3											.3	3.0
VARBL													
CALM												4.5	
	25.2	43.9	23.5	2.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

92971  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

22  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.0	1.6									4.2	4.8
NNE	.6		.6									1.3	4.8
NE	.6	1.9										2.6	4.0
NNE	1.6	1.0	.3									2.9	3.7
E	2.9	1.6	.3									4.8	3.3
ESE	3.2		.3									3.5	2.7
SE	2.9	1.9	.6	.3								5.8	4.5
SSE	2.3	3.9	.6									6.8	4.0
S	11.7	12.9	.6									24.5	3.6
SSW	1.9	2.6	1.3	.3								6.1	5.2
SW	2.9	1.9	1.0									5.8	4.1
WSW	1.6	.6										2.3	2.7
W	1.3	1.0	.6									2.9	4.1
WW	.3	.3	.9	.3								1.3	7.5
NW	1.0	.6										1.6	3.4
NNW		.3										.3	4.0
VARB													
CALM												23.2	
	35.8	31.6	8.4	1.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

3808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.T.)

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	1.7	1.6	1.3	.3								4.8	5.3
NNE	1.4	1.5	.7	.1								3.7	4.6
NE	.8	1.1	.4	.0								2.3	4.5
NNE	.8	.8	.7									2.3	5.2
E	2.1	2.1	1.5	.1								5.8	5.0
ESE	1.2	1.9	1.2	.3								4.2	5.6
SE	1.1	1.9	1.7	.4								5.1	6.0
SSE	1.3	3.1	2.3	.6								7.4	6.2
S	4.0	6.7	3.2	.7	.0							14.6	5.3
SSW	2.0	2.4	1.0	.4								5.7	4.9
SW	2.4	2.6	1.5	.2								6.7	4.9
WSW	2.1	2.2	1.1	.4								5.7	5.0
W	1.7	2.3	2.4	.3								6.7	5.7
WNW	.5	1.0	.4	.2	.0							2.2	5.7
NW	.8	.8	.3									1.9	4.5
NNW	.5	.8	.6									2.1	5.0
VARBL												18.8	
CALM													
	24.5	32.5	20.2	4.0	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2480

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

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	2.7	1.7	1.0	.3								5.7	4.5
NNE	2.0	1.7	.3	.3								4.3	4.2
NE	2.0	1.7										3.7	3.5
NNE	1.0	.3										1.3	2.3
E	2.0	1.0										3.0	2.7
ESE	.3	.7	.7									1.7	5.2
SE	1.3	.3	.3									2.0	3.5
SSE	1.0	1.0	.3									2.3	3.9
S	4.3	4.0	2.7									11.0	4.8
SSW	2.3	7.3	2.7									12.3	4.8
SW	4.0	3.3	2.7									10.0	4.6
WSW	2.3	1.3	.7									4.3	4.0
W	1.3	1.0	.3									2.7	4.1
WW	.7	.3										1.0	3.3
WNW	2.7											2.7	1.4
NW	.3	.3										.7	2.5
YAREL													
CALM												11.3	
	30.3	26.0	11.7	.7								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

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	1.7	3.7	1.7									7.0	5.3
NNE	4.0	2.3	.3									6.7	3.3
NE	1.3	1.7										3.0	3.6
NNE	1.3											1.3	2.0
E	1.3											1.3	2.0
ESE	.7	.3										1.0	2.3
SE	.3	.3										.7	3.0
SSE	.7	.3	.3									1.3	4.0
S	4.7	3.3	.7	.3								4.0	4.0
SSW	1.3	2.0	.3									3.7	4.0
SW	4.0	3.3	2.0									9.3	4.4
WSW	2.7	5.3	1.0									9.0	4.6
W	2.3	1.3	.3									4.0	3.3
WW	1.3											1.3	1.8
NW	1.3											1.3	2.3
NNW	1.3	.3		.3								2.0	4.2
VARIABLE													
CALM												38.0	
	37.3	24.3	6.7	.7								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

300

BR06

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

42871

BEAUFORT, SC

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	5.0	1.0	.3								10.0	4.6
NNE	3.3	4.3	1.3									9.0	4.4
NE	.3	2.7	1.0									4.0	5.2
NNE	.3	.7	.3									1.3	4.8
E	.3	.3										.7	3.0
ESE	1.3	1.3										2.7	3.0
SE	1.0											1.0	2.0
SSE			.7	.3								1.0	9.7
S	1.3	1.0	.3									2.7	3.9
SSW	2.7	3.0	.7									6.3	4.2
SW	4.3	4.7	1.3									9.3	4.4
WSW	3.0	5.7	2.7	.7								12.0	5.2
W	5.0	5.3	1.0									11.3	3.9
WWW	3.0	.3	.3									3.7	2.7
NW	4.3	.3	.3									3.0	3.2
NNW	1.3	1.0										2.3	3.0
CALM												19.7	
	32.3	35.7	11.0	1.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

300

ENDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.3	2.0									6.7	5.3
NNE	1.0	2.0	1.7									4.7	6.0
NE	1.7	2.0	2.7	.3								6.7	5.8
NNE	.7	2.3	1.0	1.0								5.0	7.1
E	1.3	2.3	.7	.3								4.7	5.0
ESE	.3	1.0	.7									2.0	5.7
SE	1.0	1.0	.7									2.7	4.4
SSE	.3	1.3	1.3									3.0	6.1
S	3.0	3.0	2.0	.3								8.3	5.0
SSW	1.0	3.3	1.0	.3								5.7	5.8
SW	3.0	3.0	1.3	.3								6.7	5.1
WSW	1.7	5.7	3.3	.7								11.3	6.1
W	2.7	6.3	3.3	.3								12.7	5.1
WNW	3.7	1.7	1.7									6.0	4.7
NW	1.7	2.7		.3								4.7	4.9
NNW	1.7	1.3	1.0									4.0	4.8
VARIABLE													
CALM												5.3	
	24.0	42.3	24.3	4.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

300

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUN  
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	2.0	4.3	1.3									7.7	4.7
NNE	.7	1.7	.3		.3							3.0	6.6
NE	.7		.7									1.3	4.8
NNE	1.3	2.7	1.7									5.7	5.4
E	.7	4.7	3.7	.7								9.7	6.7
ESE	.3	2.3	3.0	.3								6.0	6.5
SE	1.3	2.7	2.3									5.7	5.2
SSE	.7	1.3	3.3	.7								6.0	7.7
S	2.3	4.0	1.7	1.7								9.7	6.1
SSW	1.7	1.7	1.3									4.7	4.9
SW	1.0	2.7	3.7	.3								7.7	6.1
WSW	1.7	1.7	3.3	1.3								8.0	7.5
W	2.3	3.3	3.0	.7								9.3	5.9
WNW	1.3	1.3	3.0									5.7	6.2
NW	1.3	.3	1.3									3.0	5.0
NNW	.7	.7	.3									1.7	4.0
VARB													
CALM												5.3	
	20.0	34.7	34.0	5.7	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

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

97831  
STATION

WEAVERFORT, SC  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

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	3.0	3.7	.3									7.0	4.2
NNE	.3	1.0	.7									2.0	5.5
NE	.3	1.3	1.7	.3								3.0	6.9
NNE	.7	1.0	2.0	.3								4.0	7.1
E	1.3	2.7	4.7	2.0								10.0	7.6
ESE	1.7	1.3	3.0	.3								6.0	6.1
SE	.7	1.3	3.0	.7								5.7	7.2
SSE	.3	4.3	6.3	.7								13.7	7.0
S	.3	5.3	9.3	.7	.3							16.0	7.5
SSW	.7	1.7	1.7	1.0								5.0	6.7
SW	.7	1.0	3.7		.3							5.7	7.5
WSW	1.0	1.3	1.7	.3								4.3	6.4
W	.7	4.0	2.3	.3								7.3	5.9
WWW	1.0	3.0	1.0									5.0	5.1
NW	.7	1.3	.3									2.3	4.6
NNW		.3				.3						.7	13.5
VARB													
CALM												2.0	
	13.3	34.0	43.0	6.7	.7	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 330

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: BEAUFORT, SC YEARS: 73-82 MONTH: JUN  
 CLASS: ALL WEATHER HOURS (L.S.T.): 19  
 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	.7	1.3	.7	.3								3.0	5.9
NNE	1.3		1.0									2.3	4.6
NE	.7	1.0	1.0									2.7	5.5
NNE	1.1	.7	1.0									2.7	5.0
E	2.3	3.7	2.0	.7								8.7	5.5
ESE	2.1	2.7	2.7									7.3	5.7
SE	2.0	5.7	2.3									10.0	5.1
SSE	1.3	5.7	3.3	.3								10.7	5.8
S	5.7	10.7	7.7	.3								24.3	5.6
SSW	1.3	3.0	1.3									5.7	5.1
SW	1.0	2.3	.7									4.0	5.0
WSW	1.0	.3	1.0									3.0	4.2
W	1.0	1.0	1.0									3.0	4.7
WNW	1.3	.3		.3								2.0	4.0
NW	.7			.3								1.0	4.7
NNW	1.3	.3										1.7	2.8
VARB													
CALM												8.0	
	25.3	38.7	25.7	2.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: 57331 BEAUFORT, SC YEAR: 73-82 MONTH: JUN  
 CLASS: ALL WEATHER HOURS (L.E.T.): 22  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	3.0
NNE	1.0	0.3	0.7			0.7						2.3	6.6
NE	1.7	1.0	1.0									3.7	4.6
ENE	2.0	0.7	0.7									3.0	3.7
E	2.0	2.0	0.3									4.3	3.6
ESE	2.7	0.3	0.7									3.7	3.5
SE	1.3	2.0	0.3									3.7	4.3
SSE	2.7	3.3	1.0									8.0	3.9
S	2.7	18.0	4.3									24.0	4.6
SSW	2.0	4.0	1.0									7.7	4.9
SW	2.0	2.3	1.0									6.7	4.3
WSW	2.0	1.0	0.3									3.3	3.5
W	1.3	1.3		0.3								3.0	4.3
WNW	1.0											1.0	2.7
NW	1.0	0.3										1.3	2.5
NNW	1.0											1.0	2.0
VARBL													
CALM												20.3	
	37.3	29.7	12.0	0.3		0.7						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



4

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

## SURFACE WINDS

97331  
STATIONBEAUFORT, SC  
STATION NAME73-82  
YEARJUN  
MONTHALL WEATHER  
CLASSALL  
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	1.0	.1								6.2	4.7
NNE	1.7	1.7	.8	.0	.0	.0						4.3	4.8
NE	1.1	1.4	.9	.1								3.5	5.0
NNE	1.0	1.0	.8	.2								3.0	5.4
E	1.4	2.0	1.4	.5								5.3	5.7
ESE	1.2	1.2	1.3	.1								3.8	5.3
SE	1.1	1.6	1.1	.1								3.6	5.1
SSE	1.0	2.2	2.3	.2								5.7	6.0
S	3.9	5.2	3.6	.4	.0							13.1	5.3
SSW	1.5	3.2	1.3	.2								6.4	5.0
SW	2.4	2.9	2.1	.1	.0							7.4	5.1
WSW	2.0	2.9	1.7	.4								6.9	5.5
W	3.1	3.3	1.4	.2								6.7	4.8
WNW	1.6	.9	.7	.0								3.2	4.5
NW	1.8	.6	.2	.1								2.4	3.8
NNW	1.0	.5	.2	.0		.0						1.7	4.2
VARB.													
CALM												16.2	
	26.6	33.2	21.0	2.7	.1	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2400

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

01  
HOUSE (L.S.F.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.9	1.0										3.9	3.0
NNE	1.0	2.3	.7									3.5	4.4
NE		1.0	.3									1.3	5.8
ENE		.6										.6	5.0
E	.6	.3		.3								1.3	5.0
ESE	1.0		.7									1.3	3.5
SE	.3											.3	2.0
SSE	.6		.3									1.0	4.0
S	5.5	6.5	.6									12.6	3.6
SSW	3.9	5.5	1.6									11.0	4.5
SW	2.9	5.2	2.3									10.3	4.8
WSW	2.3	2.6	.3									5.2	3.8
W	2.3	1.9										4.2	3.3
WNW	1.3	1.0										2.3	3.1
NW	.6											.6	2.0
NNW	1.0											1.0	2.0
VARB													
CALM												39.7	
	26.1	27.7	6.1	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

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	1.3	.3									2.6	3.8
NNE	3.5	1.9										5.5	2.9
NE	1.3	1.0										2.3	3.0
ENE	.3											.3	2.0
E	.6	.3	.3									1.3	3.8
ESE	.6	.3										1.0	3.0
SE													
SSE	.6	.3										1.0	3.0
S	2.6	1.0	.6									4.2	3.3
SSW	2.6	3.9	.6									7.1	4.1
SW	6.5	6.8	2.6									16.1	4.3
WSW	3.9	3.9	.3									8.1	3.7
W	3.9	2.6										6.5	3.2
WW	1.3	.3										1.6	2.2
NW	.3											.3	1.0
NNW	1.9											1.9	1.8
VARBL													
CALM												40.3	
	31.3	23.5	4.9									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

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	3.2	1.0	.3									4.5	3.0
NNE	3.9	3.2	.6									7.7	3.8
NE	1.6	.6	1.7									3.2	4.0
NNE	1.3	1.3	.6									3.2	4.3
E	1.0											1.0	2.7
ESE	.6		.3									1.0	3.3
SE	1.0											1.0	2.3
SSE	.3											.3	2.0
S	3.2	.3										3.5	2.5
SEW	2.6	4.2	.3									7.1	4.1
SW	3.9	7.4	1.9									13.2	4.8
WSW	4.5	5.5	1.9									11.9	4.2
W	1.2	4.2	1.3									8.7	4.0
WNW	1.0	.6										1.6	2.6
NW	1.3		.3									1.6	3.2
NNW	2.3	.6										2.9	2.6
VARB													
CALM												27.4	
	34.4	29.0	8.7									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

310

SMC6

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-R2  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.3									3.2	4.1
NNE	1.9	1.3	1.0	.3								4.5	5.1
NE	1.5	2.6	1.6									5.8	4.9
NNE	1.3	3.5	2.9	.3								8.1	6.1
E	1.6	1.3	.6									3.5	4.1
ESE	.3	1.6	.3									2.1	5.1
SE	.6	1.0	1.0									2.6	5.4
SSE	2.9	1.3	.3									4.5	3.5
S	3.9	2.6	1.0									7.4	3.7
SSW	1.9	4.8	1.6									8.4	4.8
SW	2.6	2.6	3.5	.3								9.0	5.6
WSW	1.3	5.5	3.5									10.3	5.5
W	3.9	5.5	2.3									11.6	4.6
WNW	1.9	2.3	.3									4.5	4.2
NW	1.3	.3										1.6	3.0
NNW	1.0		.3									1.3	4.0
VARIABLE												11.3	
CALM													
	29.0	38.1	20.6	1.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.6									2.9	4.9
NNE	1.0	1.6										2.6	4.0
NE	1.0	1.9	.6									3.5	4.7
NNE	1.7	2.3	1.9	.3								5.8	5.8
E	2.6	3.9	3.2									9.7	5.3
ESE	.6	1.9	1.0									3.5	5.2
SE	2.3	2.9	1.3	.3								6.8	5.1
SSE	1.0	4.2	2.9									8.1	5.9
S	1.6	2.6	4.2	.3								8.7	6.4
SSW	1.3	2.6	1.3									5.2	4.9
SW	2.3	3.2	2.6									8.1	5.6
WSW	3.5	5.6	2.3	.3								11.9	5.1
W	2.6	1.6	4.5	.3								9.0	6.1
WNW	.3	1.9	1.0									3.2	6.1
NW	.3	1.3	.3			.3						2.3	7.4
NNW	.6	1.3										1.9	4.5
VARIABLE													
CALM												6.8	
	22.9	40.6	27.7	1.6		.3						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

97431  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6										1.6	3.2
NNE	.3		.7									.6	5.0
NE	1.0	.3	.6									1.9	4.0
NNE	.3	1.0	1.6	.3								3.2	7.1
E	1.2	4.2	4.5	.3								12.3	5.6
ESE	1.3	4.8	2.3	.3								8.7	6.0
SE	1.6	4.8	2.9	.3								9.7	5.8
ESE	.3	4.2	8.4	.3								13.2	7.3
S	1.9	5.2	11.6	2.6								21.3	7.6
SSW	1.0	2.9	.3	.6								4.8	6.0
SW	.3	3.9	2.3									6.5	6.0
WSW	.3	1.6	1.9									3.9	6.3
W	.3	1.9	1.6	.3								4.5	6.1
WNW	1.3	1.0										2.3	3.4
NW	.7	.3	.6	.3								1.6	7.2
NNW	.7	.6										1.0	4.3
VARB.													
CALM												2.9	
	15.2	37.4	39.0	5.8								170.0	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

07811

BEAUFORT, SC

73-82

JUL

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

19

CLASS

HOURL (L.S.T.)

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	.3	.3	.3									1.0	4.7
NNE	.3	.3	.6									1.3	5.3
NE		.3	.6									1.0	6.7
NNE	.3	1.3	.3									1.9	5.5
E	4.2	5.7	1.6									11.0	4.2
ESE	1.9	3.2	1.0									6.1	4.7
SE	.3	4.2	2.9									7.4	5.7
ESE	2.3	5.5	5.2									12.9	5.8
S	4.8	14.5	10.3									29.7	5.7
SSW	.6	2.6	1.9	.3								5.5	6.4
SW	1.9	2.6	.6									5.2	4.4
WSW	2.6	1.0	1.3	.3								5.7	4.4
W	1.6	1.0	.3									2.9	3.7
WNW	.3			.3								.6	7.0
NW	.6	.3										1.0	3.0
NNW	1.0											1.0	1.3
VARB.													
CALM												6.5	
	23.2	42.3	27.1	1.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

47531  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

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	.6		.3								1.9	4.5
NNE	.7	1.0	.3									1.6	5.4
NE	1.3	.3	.6									2.3	4.3
NNE	.6	.6	.3									1.6	3.6
E	2.9	1.6	.3									4.8	3.5
ESE	1.9	1.0										2.9	3.0
SE	2.3	1.9	.3									4.5	3.8
SSE	4.2	3.2	.3									7.7	3.4
S	12.3	11.9	2.3									26.5	3.9
SSW	4.2	3.5	1.0	.3								9.0	4.4
SW	3.5	3.2	1.3									8.1	4.4
WSW	2.3	1.0										4.3	3.3
W	1.0	.3										1.3	2.8
WNW	.3											.3	3.0
NW	.3											.3	2.0
NNW	.6											.6	2.0
CALM												72.3	
	39.0	31.3	6.9	.6								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

310

ENC 8

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

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	1.4	1.0	.2	.0								2.7	3.7
NNE	1.5	1.5	.4	.0								3.4	4.1
NE	1.0	1.0	.7									2.7	4.5
NNE	.7	1.3	1.0	.1								3.1	5.6
E	5.1	2.1	1.3	.1								5.6	4.7
ESE	1.0	1.6	.6	.0								3.7	4.9
SE	1.0	1.9	1.0	.1								4.0	5.2
SSE	1.5	2.3	2.2	.0								6.1	5.5
S	4.5	5.6	3.8	.4								14.2	5.1
SSW	2.3	3.7	1.1	.2								7.3	4.8
SW	3.0	4.4	2.1	.7								9.6	4.9
WSW	2.6	3.5	1.5	.1								7.6	4.6
W	2.4	2.4	1.2	.1								6.1	4.5
WNW	1.0	.0	.2	.0								2.1	4.1
NW	.6	.3	.2	.0		.0						1.2	4.7
NNW	1.1	.3	.0									1.5	2.9
VARIABLE													
CALM												19.4	
	27.7	33.7	17.6	1.2		.0						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97971

BEAUFORT, SC

73-02

206

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

01

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DHR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥64	%	MEAN WIND SPEED
N	3.0	1.0	.6									6.5	3.5
NNE	3.5	.6	1.0									5.2	3.4
NE	1.6	1.3										2.0	3.7
ENE	.6	.6										1.3	3.3
E	.6	.3										1.0	2.3
ESE	.3	.3										.6	3.0
SE	.3											.3	3.0
SSE	1.0	.3										1.3	2.5
S	5.2	1.3	1.0									7.4	3.1
SSW	5.8	2.3	1.0	.3								9.4	3.7
SW	4.5	3.9	1.3									9.7	4.0
WSW	2.9	2.3	.3									5.5	3.4
W	1.0											1.0	1.7
WNW	.6											.6	2.0
NW	1.0											1.0	2.3
NNW	1.9	.6	.3									2.9	3.7
VARB.													
CALM												43.5	
	34.4	15.8	5.5	.3								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97471  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG.  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.5	3.5	1.0	.3								10.3	3.8
NNE	3.2	2.9	1.3									7.4	4.2
NE	1.3	1.3										2.6	3.5
NNE			.3									.3	7.0
E	.3											.3	2.0
ESE													
SE	.3											.3	2.0
SSE	.6											.6	2.0
S	1.6	1.0										2.6	2.6
SSW	1.3	1.6	1.0									3.9	4.3
SW	4.2	3.2	1.6									9.0	4.1
WSW	4.2	2.6										6.8	3.0
W	2.6	1.9	.3									4.8	3.7
WNW	.3	.6										1.0	3.3
NW	.3		.3									.6	4.0
NNW	1.6		.3									1.9	2.3
VARB.													
CALM												47.4	
	27.4	18.7	6.1	.3								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-72  
YEAR

406  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.4	3.2	1.7	.7								12.3	3.8
NNE	4.1	4.8	2.3									11.9	4.4
NE	1.0	3.2										4.2	3.9
ENE		.7										.3	5.0
E	.3	.3										.6	4.0
ESE		.7										.3	6.0
SE													
SSE	.3											.3	1.0
S	1.6	.6										2.3	3.0
SSW	2.6	1.0	.4									4.2	3.7
SW	4.2	4.8										9.0	3.7
WSW	4.5	3.4	.7									8.4	3.5
W	2.6	3.9										6.5	3.6
WNW	1.3											1.3	1.8
NW	1.3	.3										1.6	3.6
NNW	1.3	.3										1.6	2.8
VARB.													
CALM												35.7	
	33.2	26.8	4.5	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

310

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION 97001 REA FORT, SC STATION NAME YEARS 73-82 MONTH 10  
 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	2.4	1.0	.3								5.0	4.9
NNE	2.3	3.0	3.4									9.0	5.3
NE	1.7	5.5	1.3									8.7	5.0
ENE	1.3	3.5	2.3	.3								7.4	5.8
E	1.7	2.9	.6									4.5	4.9
ESE	1.6	.6	.6									2.9	3.9
SE	1.3	1.0	.4									2.9	4.1
SSE	1.4	.6	.3									2.6	3.5
S	1.6	1.9	1.0	.3								4.8	5.1
SSW	2.6	3.3	.3	.3								6.5	4.7
SW	3.3	1.6	1.0									6.5	4.2
WSW	2.1	2.9	1.0									7.4	5.0
W	4.0	4.8	1.3									11.0	4.0
WNW	1.3	.6										1.0	3.5
NW	1.3	1.0	.6									3.6	3.8
NNW	1.3	1.0	.3	.3								3.0	3.8
VARB												11.0	
CALM													
	37.6	38.1	16.8	1.6								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

13  
DAYS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.3	1.7									5.8	4.3
NNE	1.6	1.9	1.3									4.4	5.0
NE	2.3	1.6	1.3	.6								5.8	5.3
NNE	1.0	2.6	1.9									5.5	5.9
E	3.5	3.2	2.9									9.7	5.1
ESE	2.6	3.9	2.6									9.0	5.1
SE	1.9	2.3	2.6									6.4	5.5
SSE	2.6	2.3	1.6	.3								6.4	5.0
S	2.6	2.9	1.0	.3								6.4	5.0
SSW	.6	3.2	1.9									5.8	5.6
SW	2.9	2.6	.6	.3								6.5	4.3
WSW	1.3	2.3	1.9	.3								5.8	5.8
W	2.9	1.3	2.9	.3								7.4	5.3
WNW	1.0	.3										1.3	3.0
NW	1.6	.6	.3									2.6	3.3
NNW	.3	1.0	.6	.6								2.6	6.5
VARB.													
CALM												7.4	
	31.0	34.2	24.5	2.9								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

### SURFACE WINDS

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

97431  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.9	1.7									4.5	4.9
NNE	1.0	1.6	.7	.6								3.5	5.6
NE	.6	1.0	.3	.6								2.6	6.5
NNE	.6	2.6	1.3	.6								5.2	6.0
E	1.3	4.2	3.9	1.0								10.3	6.5
ESE	1.6	2.6	4.5	.6								9.4	6.4
SE	2.3	6.1	4.2									12.6	5.5
SSE	2.3	5.8	7.4									15.5	6.4
S	1.3	4.5	6.8	.3								12.9	6.8
SSW	1.9	2.9	2.3	1.0								8.1	6.0
SW	1.3		.3									1.6	3.4
WSW	.3	1.6	1.6									3.5	5.6
W	.6	1.6	.3									2.6	4.0
WNW	.3	.6	1.0									1.9	6.0
NW		.6		.3								1.0	7.3
NNW	.6	.3		.3								1.3	4.8
VARB													
CALM												3.5	
	17.7	38.1	35.2	5.5								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

10  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.6	.3	.6								2.9	5.4
NNE	.6	1.0	1.0									2.6	5.5
NE	.6		1.0									1.6	5.8
NNE	1.0	1.0										1.9	4.0
E	6.1	4.8	1.3									12.3	3.9
ESE	3.2	4.5	.6									8.4	4.1
SE	4.5	2.9	.6									8.1	3.6
SSE	5.2	10.6	2.3									18.1	4.5
S	7.1	10.3	3.5									21.0	4.6
SSW	1.3	1.9	2.3									5.5	5.6
SW	.6		1.0									1.6	5.8
WSW	2.3		.3									2.6	3.1
W	.6	.3			.3							1.3	6.5
WNW	.6	.3	.3									1.3	4.8
NW			.3									.3	9.0
NNW	.6	1.0	.3									1.9	4.2
VARBL													
CALM												8.7	
	35.9	39.4	15.2	.6	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

IMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93311

RAEFORT, SC

73-82

AUG

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

22

CLASS

NOBS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.0	.6									4.2	3.9
NNE	.6	1.3	.3									2.3	5.0
NE	2.9	1.0	.3									4.2	3.0
ENE	3.5	1.0										4.8	2.9
E	4.8	1.7	.3	.3								6.5	3.0
ESE	1.3	.6										1.9	2.7
SE	2.6	.6										3.2	2.8
SSE	1.9	1.9										3.9	3.8
S	8.4	6.5	1.7									15.3	3.6
SSW	3.5	4.5	1.3									9.4	8.2
SW	2.3	2.6	1.0									5.8	8.2
WSW	.3	.6	1.7									1.9	6.3
W	1.6	.6	.6									2.9	3.9
WNW		.6	.3									1.7	6.0
NW	.6											.6	1.5
NNW	1.3	.3										1.3	2.8
VARB													
CALM												30.6	
	38.1	24.2	6.8	.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

317

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
NUMBER (L.B.T.)

ORIENTATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	3.3	2.1	.3	.0								6.5	4.1
NNE	2.2	2.2	1.4	.1								5.8	4.7
NE	1.4	2.0	.5	.2								4.1	4.6
NNE	1.0	1.5	.7	.1								3.3	5.1
E	2.3	2.1	1.1	.2								5.6	4.7
ESE	1.3	1.6	1.0	.1								4.1	4.9
SE	1.7	1.6	1.0									4.3	4.6
SSE	1.9	2.7	1.5	.0								6.1	4.9
S	3.7	3.6	1.8	.1								9.2	4.6
SSW	2.5	2.6	1.3	.2								6.6	4.7
SW	3.0	2.3	.8	.0								6.5	4.1
WSW	2.3	2.0	.9	.0								5.2	4.3
W	2.1	1.8	.7	.0	.0							4.7	4.2
WNW	.7	.4	.2									1.3	4.0
NW	.8	.3	.2	.0								1.4	3.8
NNW	1.2	.6	.2	.2								2.1	3.9
VARBL													
CALM												23.4	
	31.3	29.4	14.3	1.5	.0							170.0	3.5

TOTAL NUMBER OF OBSERVATIONS

2480

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION NO. 27871

STATION NAME BEAUFORT, SC

YEAR 73-82

MONTH SEP

ALL WEATHER

DAY 01

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	6.0	2.0	.3									8.3	2.9
NNE	3.3	4.3	2.0									9.7	4.8
NE	2.0	2.3	1.3									5.7	4.8
NNE	.7	.3	.3									1.3	4.8
E	1.3	.3	.3									2.0	3.5
ESE	.3											.3	2.0
SE	.3											.3	1.0
SSE	.3											.3	3.0
S	4.0	1.3	1.0	.3								6.7	4.0
SSW	1.3	3.0										4.3	3.8
SW	3.0	1.7	.3									5.0	3.2
WSW	2.0	.7										2.7	3.0
W	2.3	1.0										3.3	3.1
WNW	.7	.3	.3									1.3	4.5
NW		1.0										1.0	4.7
NNW	3.0	1.0										4.0	2.6
VARIABLE													
CALM												43.7	
	30.7	19.3	6.0	.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93371  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

04  
MOON (L.T.V.)

OBSCURITY

SPEED (KNTS) DIR.	1-3	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	0.0	1.0									10.0	3.7
NNE	1.0	3.0	1.0	0.7								8.0	4.7
NE	1.0	0.0	1.0	0.3								7.0	5.1
NNE	1.0	0.3										1.3	2.8
E	0.3	0.3										0.7	3.5
ESE	0.7											0.7	2.5
SE	0.3		0.3									0.7	5.0
SSE	0.7		0.3									1.0	4.3
S	0.7	1.0	0.3									2.0	3.8
SSW	1.0	2.0		0.3								3.7	4.5
SW	1.0	1.0		0.3								3.0	4.7
WSW	2.0	1.0	0.3									3.7	3.2
W	3.0	2.0										5.7	2.9
WNW	1.0	0.7										2.0	3.2
W	1.0	0.7										2.3	2.9
WNW	2.0	1.0										3.3	2.9
VARB												0.0	
CALM												0.0	
	27.7	21.3	5.3	1.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

93871

BEAUFORT, SC

73-82

SEP

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.7	6.3	1.3									15.3	3.0
NNE	6.7	4.3	4.0	1.0								16.0	5.0
NE	.7	1.7	1.7	.3								4.3	6.5
NNE	.7	.3										1.0	3.0
E	.3											.3	2.0
ESE	.3	.3										.7	3.5
SE		.3										.3	4.0
SSE	.3											.3	3.0
S	1.7	.7	.3									2.3	3.1
SSW	2.7	.3		.3								3.3	3.8
SW	2.3	1.7										4.0	3.2
WSW	2.7	.7	.7									4.0	3.5
W	2.7	.3										3.0	2.0
WNW	1.0		.3									1.3	3.0
NW	1.3	1.3										2.7	3.0
NNW	2.3	1.7										3.3	2.7
VARIABLE													
CALM												37.7	
	33.0	19.3	8.3	1.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

93311

8 FAIRFORD, SC

73-87

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

17

HOUSE (L. O. P.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	3.7	3.7	3.7	.7								10.7	6.0
NNE	1.7	6.7	4.7	.3								12.7	6.2
NE	3.3	4.3	7.3	1.0								15.0	6.6
NNE	.7	3.0	3.0									6.7	6.4
E	2.7	1.0	1.0	.3								5.7	5.1
ESE	.3	.3										.7	4.0
SE	1.0	.3	.3	.3								2.0	5.2
SSE	.3	.7	.3									1.3	5.0
S	.7	.7	.7									2.0	4.8
SSW	2.0	1.0	1.7									4.7	5.0
SW	1.0	2.0	.3									3.3	4.6
WSW	4.3	1.7	.7	.3								7.0	3.9
W	4.0	3.0	.3									7.3	3.6
WNW	2.3	1.0										3.3	2.9
NW	3.0	.7	.3									4.0	2.8
NNW	2.3	2.3	.3									5.0	3.9
VARIABLE												9.3	
CALM													
	31.3	31.7	24.7	3.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION 97871

STATION NAME BEAUFORT, SC

YEAR 73-82

MONTH SEP

CLASS ALL WEATHER

13

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.7	3.7									9.3	5.3
NNE	2.3	2.7	3.0									8.0	5.4
NE	2.0	2.0	3.0	.7								7.7	6.2
NNE	2.7	5.0	2.7	.3								10.0	5.6
E	3.3	5.0	3.3	1.0		.3						13.0	6.1
ESE	.7	2.3	1.7	.3								5.0	6.4
SE	.3	2.3	1.7	.7								5.0	7.1
SSE	1.0	.3	3.0									4.3	6.8
S	2.0	2.7	1.3									6.0	4.6
SSW	1.7	1.3	1.7									4.0	4.5
SW	1.0	2.3	1.3									4.7	5.4
WSW	1.0	1.7	1.3									4.0	5.0
W	2.3	1.7	.7									4.7	3.7
WWW	1.3	.7										2.0	3.3
NW	.3	1.3	.3									2.0	4.7
NNW	1.7	1.0	.3									3.0	4.0
VARB													
CALM												7.0	
	24.7	37.0	20.0	3.0		.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331  
STATION

BFA FORT, SC  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.3	2.3									7.7	5.3
NNE	.3	3.3	2.7									6.8	6.2
NE	.7	1.7	2.0	.3								4.0	6.6
NNE	2.7	1.0	2.3	.3								6.3	5.3
E	1.7	5.7	5.3	1.3								14.0	6.8
ESE	1.0	3.7	3.7	.3								9.7	6.2
SE	3.3	3.0	4.0	.7								10.0	6.3
SSE	1.3	5.0	2.7	.3								8.7	5.8
S	2.3	3.7	5.7	.3								12.0	6.1
SEW	1.0	2.0	.7									3.7	4.5
SW	.3	.3	1.7	.3								2.0	7.2
WSW	1.0	2.0	.3									3.3	4.0
W	1.0	1.0	.3									2.3	4.1
WNW		1.0	1.3		.3							2.7	8.3
NW		.3	.3									.7	6.0
NNW	.3	1.3	.3									2.0	4.8
VARB													
CALM												6.3	
	17.7	37.3	34.3	4.0	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

27031  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	2.0									8.0	4.8
NNE	1.3	1.3	1.0									4.7	4.5
NE	1.7	2.3										4.7	3.6
NNE	1.7	2.3	1.0	.3	.3							5.7	6.2
E	4.0	3.7			.3							13.0	3.3
ESE	5.7	2.7	.7									6.7	3.3
SE	1.7	2.7	1.0									5.7	4.1
SSE	3.7	5.3		.3								9.7	4.1
S	5.3	8.0	2.3									15.7	4.2
SSW	1.3	1.3										2.7	3.4
SW	.3											.7	3.0
WSW	.7	.3										1.7	2.7
W	1.7	1.0		.3								3.0	3.9
WNW	1.7	.3										2.7	2.2
NW	.7		.7									1.0	3.0
NW	1.7											1.7	1.4
VARBL													
CALM												14.3	
	41.7	34.0	8.3	1.0	.7							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 370

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION NO. 87871 STATION NAME BEAUFORT, SC YEAR 73-74 MONTH SEP  
 CLASS ALL WEATHER HOURS (LST) 22  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.3	2.7	1.0									7.0	3.6
NNE	7.3	3.3	1.7									7.7	4.4
NE	2.0	3.0	.7									5.7	4.2
ENE	7.3	1.3	.3	.3								5.7	3.7
E	7.3	1.3										3.7	2.7
ESE	1.0	.3	.3									1.7	3.6
SE	1.7											1.7	2.2
SSE	1.7	1.3	.3									2.7	4.6
S	4.7	3.3	.7	.3	.3							9.7	4.4
SSW	4.7	2.7	.3	.3								8.0	3.5
SW	2.7	.7										1.3	2.6
WSW	.3		.7									1.7	5.3
W	.7	.3										1.0	2.7
WWW	.7	.7	.3									1.7	4.4
NW	.7											.7	1.5
NNW	1.7											1.7	1.6
VARBL													
CALM												38.0	
	34.7	20.3	6.3	1.0	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: SEA FORT, SC      STATION NAME:      YEARS: 13-20

CLASS: ALL WEATHER

CONDITION:      HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	3.6	2.7	.1								9.0	4.5
NNE	2.0	3.5	2.5	.2								9.1	5.2
NE	1.5	2.0	2.0	.3								6.7	5.7
ENE	1.7	1.7	1.2	.2	.0							4.7	3.3
E	2.5	2.2	1.2	.3	.0	.3						6.5	5.1
ESE	1.2	1.2	.5	.1								3.2	4.9
SE	1.1	1.1	.2	.2								3.2	5.5
SSE	1.1	1.0	.7	.1								3.2	5.1
S	2.6	2.7	1.5	.1	.0							7.0	4.6
SSW	2.0	1.7	.5	.1								4.3	4.1
SW	1.5	1.2	.4	.1								3.2	4.2
WSW	1.0	1.0	.5	.0								3.2	3.9
W	2.3	1.3	.2	.0								3.2	3.3
WNW	1.1	.6	.3		.0							2.0	4.1
NW	1.0	.7	.2									1.2	3.3
NNW	1.0	1.0	.1									3.0	1.1
VARS													
CALM												25.0	
	30.1	27.5	15.2	2.0	.2	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2400

BMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: BEAUFORT, SC STATION NAME: 72-92 MONTH: OCT  
 CLASS: ALL WEATHER YEARS: 01  
 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	5.5	3.2	1.6	.6								11.3	4.5
NNE	5.2	3.2	2.6									11.0	4.4
NE	1.3	2.9	1.7									5.9	4.6
ENE	.6	.6										1.2	4.0
E													
ESE	.3											.3	3.0
SE	.3		.3									.6	5.5
SSE	.3	.3	.3									1.0	4.7
S	1.9	.6	.6									2.4	4.0
SSW	.6	.3	.3									1.3	4.3
SW	1.6	1.0	1.0									2.6	4.4
WSW	1.9	1.6										3.5	3.3
W	.6	2.3	1.0	.3								5.2	6.1
WNW	1.3	.3	.6									2.3	4.0
NW	2.9	1.3	.6									4.8	3.7
NNW	1.0	.6	.3									2.9	3.2
VARBL													
CALM												43.9	
	25.4	17.7	11.6	1.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: BTA FORT, SC STATION NAME: BTA FORT, SC YEAR: 77-82 MONTH: OCT  
 CLASS: ALL WEATHER HOUR (L.S.T.): 04  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	5.2	3.9	.6								14.5	5.3
NNE	4.2	4.2	3.2	1.3								12.9	5.4
NE	1.7	1.3	.3		.3							3.2	5.3
NNE		.7	.3									.6	6.0
E													
ESE	.4											.7	2.0
SE													
SSE													
S	.3	1.0										1.3	3.8
SEW	.6	1.0	.6									2.3	4.7
SW	1.0	.3	1.4	.3								2.4	5.8
WSW	1.4	1.6	.6									3.5	4.3
W	1.7	1.6	1.4									4.2	4.8
WNW	1.6	1.3	.3	.7								3.5	4.5
NW	2.6	1.0	.4									4.2	3.5
NNW	2.5	.6	.3									3.5	2.5
VARL													
CALM												43.2	
	21.0	19.6	12.6	2.6	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

47831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.3	6.5	3.4	.6								17.4	4.9
NNE	1.9	4.5	4.9	1.0								13.9	5.9
NE	3.2	2.9	1.7	.3								7.4	4.5
ENE	.3		.6									1.0	6.0
E	.6	.3										1.0	2.7
ESE	.3											.3	1.0
SE	.6											.6	2.5
SSE													
S	.6	.3	.6									1.6	4.8
SSW	1.0	.3	.3									1.6	3.6
SW	1.3	1.3										4.5	2.9
WSW	.6	.6	1.3									2.6	5.6
W	1.0	1.0	1.0									4.8	4.6
WW	.6	1.0	1.0									2.6	5.6
WNW	2.6	.3										2.9	2.6
NW	4.2	.3	.6	.3								5.5	3.6
VARB													
CALM												32.3	
	33.6	20.3	14.5	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97811  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.3	2.6	7.1	2.0								15.4	7.4
NNE	1.9	5.2	7.1	2.6								16.8	7.3
NE	1.7	6.1	6.5	1.0								14.5	6.7
NNE	1.3	3.2	3.5	.3								9.4	6.0
E	1.7	1.0	1.7	.3								3.2	5.8
ESE	.6		.3									1.0	4.3
SE	.3	.3										.6	3.5
SSE	.3	1.3		.3								1.9	5.3
S		.3	.3									.6	7.0
SSW	1.3	.6	1.6									3.5	5.5
SW	1.7	1.0	1.3									3.5	5.3
WSW	1.3	.6	1.0		.3							3.2	6.2
W	1.6	3.5	2.3	1.0								8.4	6.3
WW	1.0	.6	1.6	.3								4.5	5.4
WNW	.6	.3										1.0	3.3
NW	1.6	2.6	1.0									5.2	5.0
VARB													
CALM												6.8	
	20.3	29.4	34.5	8.7	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

27431  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

13  
DAYS (L.E.T.)

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	1.9	3.9	4.5	.3								10.5	6.5
NNE	1.9	3.2	3.7	1.0								9.4	6.2
NE	.6	4.2	2.3									7.1	5.8
ENE	2.3	2.9	2.6	.3								8.1	5.8
E	2.3	5.2	2.9	.3								10.6	5.3
ESE	.6	2.9	1.9									5.5	5.9
SE	.6	1.6	1.0									3.2	5.5
SSE	1.6	.6	.6	.3								3.2	4.9
S	.6	1.6	.3	.3								2.9	5.8
SSW	.6	2.3	1.3									4.2	5.7
SW	.6	1.3	1.0	.3								3.2	6.1
WSW	1.3	1.9	1.3	.6								5.2	6.4
W	1.9	1.6	1.9	1.9								7.4	7.0
WNW	1.6	1.6	1.9									5.2	5.8
NW	.6	1.6	1.0	.6								3.9	6.4
NNW	1.0	.3	2.3	.6	.3							4.5	7.9
VARB													
CALM												5.4	
	20.3	36.8	30.0	6.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

BRMS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97901  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

16  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	5.8	4.5	.3								11.3	6.2
NNE	1.0	3.2	3.2	.3								7.7	6.4
NE	.6	1.6	1.3									3.5	5.8
NNE	1.0	2.6	1.3	.3								5.2	5.7
E	4.5	4.8	5.5									14.6	5.4
ESE	1.0	6.5	3.2	.3								11.3	6.0
SE	.6	2.3	1.0									3.9	4.9
SSE	.3	2.9	1.6	.3								5.2	6.1
S	1.6	2.9	1.0	.3								5.6	5.9
SSW	1.6	.3	1.0	.3								3.2	5.4
SW		1.3	.3									1.6	4.4
WSW	1.6	1.6	.6									3.9	4.4
W	1.0	2.6	1.9	1.9								7.4	7.8
WNW	2.3	.6	1.3									4.2	4.6
NW	.6	1.0	.6	.6								2.9	7.9
NNW	1.3	1.3	1.9	.3								4.4	5.7
VARBL													
CALM												3.2	
	19.7	41.6	30.3	5.2								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

ENCLOSURE

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

19  
YEAR

MOON (L.S.T.)

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	4.5	2.9	.6									8.1	3.6
NNE	1.6	2.3	1.3	.6								5.8	5.5
N E	1.6	1.6	.6									3.9	4.3
ENE	2.9	1.9	.3									5.2	2.9
E	3.7	2.0	1.0									12.6	3.2
ESE	2.6	.3										2.9	2.6
SE	1.6	.6	.3									2.6	3.0
SSE	3.2		.3									3.5	2.4
S	6.1	2.9	1.3	.3								10.6	4.0
SSW	.5	1.0	.3	.3								2.3	5.3
SW	1.6	.3										1.9	2.0
WSW	.3	.6										1.0	4.3
W	2.6	.6	1.0									4.2	4.0
WWW	1.6	.6	.6									2.9	3.9
NW	1.6	.6										2.3	3.1
NNW	1.9	.3	.6	.3								3.2	4.8
VARBL													
CALM												27.1	
	43.2	19.7	8.4	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

310

8008

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97871  
STATION

RTA FORT, SC  
STATION NAME

73-87  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

22  
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	1.7	1.6	.3								7.7	4.4
NNE	3.9	4.2	1.3	1.0								10.3	5.2
NE	1.9	3.5	.6	.3								6.5	4.6
NNE	2.3	2.3										4.5	3.4
E	1.3	.3										1.7	2.4
ESE	.3	.3										.6	4.0
SE		.3										.3	4.0
SSE	1.4	.3										1.7	3.0
S	2.3	.3	2.3									4.6	5.0
SSW	.6	1.9	.6									3.2	5.1
SW	1.3	.6	.3									2.3	3.3
WSW	1.3	.6	.3	.3								2.6	4.6
W	2.6	.3	1.3									4.7	4.5
WNW	1.3	1.3	.3									2.9	4.0
NW	1.3	.3										1.6	2.6
NNW	.3	1.0	1.0	.3								2.6	6.3
VARS													
CALM												42.3	
	26.1	19.7	9.7	2.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

OCT  
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	48-53	≥56	%	MEAN WIND SPEED
N	1.0	0.0	3.4	.7								12.1	5.5
NNE	2.9	3.7	3.3	1.0								11.0	4.8
NE	1.5	3.0	1.7	.2	.0							6.5	5.4
NNE	1.5	1.7	1.1	.1								4.4	5.0
E	2.3	1.8	1.3	.1								5.5	4.6
ESE	.8	1.3	.7	.0								2.8	5.2
SE	.5	.6	.3									1.5	4.5
SSE	.9	.7	.4	.1								2.1	4.6
S	1.6	1.2	.8	.1								3.5	4.8
SSW	.9	1.0	.8	.1								2.7	5.1
SW	1.3	.9	.6	.1								2.8	4.3
WSW	1.2	1.2	.6	.1	.0							3.7	5.0
W	1.7	1.8	1.6	.6								5.7	6.0
WNW	1.5	.0	1.0	.1								3.5	4.8
NW	1.6	.8	.4	.2								2.9	4.3
NNW	1.9	.9	1.0	.2	.0							4.0	4.9
VARBL													
CALM												25.6	
	26.0	25.6	19.0	3.8	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BFAIRFORT, SC  
STATION NAME

73-82  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

31  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	3.0	1.3									7.0	4.2
NNE	2.0	3.7	1.3	.7								7.7	5.5
NE	1.3	2.3	.7									4.3	4.5
NNE	1.7	.3	.3									2.0	3.5
E		.3										.3	4.0
ESE													
SE	.7	.7										1.3	3.3
SSE	.7	.3										1.0	2.3
S	2.3	3.0	.7									6.0	4.1
SSW	1.7	1.0	1.3	.3								4.3	5.7
SW	1.0	1.3	.7									3.0	5.3
WSW	1.7	1.7										3.3	3.4
W	3.3	3.0	1.7	1.0								9.0	5.7
WNW	.3	2.0	1.0	.3	.3							4.0	7.3
NW	1.3	2.0										3.0	4.2
NNW	1.7	2.0	.3									4.0	4.0
VARB													
CALM												16.7	
	21.7	26.7	9.3	2.3	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

320

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: BEAUFORT, SC      STATION NAME:      YEARS: 73-67

CLASS: ALL WEATHER

CONDITION:      MONTH: NOV

HOURE (L.S.T.): 04

SPEED (KNTS) DIR.	1-3	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	3.7	2.0	.3								9.7	4.8
NNE	3.0	2.7	1.7	.3								7.7	5.0
NE	1.3	2.0	1.0									4.3	4.9
ENE	.7	.3	.3	.3								1.7	6.0
E		.3										.3	6.0
ESE													
SE	.3	.3										.7	3.0
SSE		.7										.7	5.5
S	.1	1.3	.3									2.0	5.0
SSW	2.0	1.7	1.3	.3								5.3	5.6
SW	.3	2.7	.3									3.3	4.8
WSW	2.3	1.0	.3									3.7	3.7
W	2.3	2.3	3.0	.3								8.0	5.8
WW	1.3	2.7	1.3	.7								6.0	5.8
NW	2.0	1.7	.7	.3								4.7	4.4
NNW	2.0	1.3	.3									3.7	3.5
VARB													
CALM												38.3	
	21.7	24.7	12.7	2.7								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

STATION: 07151      STA FORT, SC      YEAR: 13-02      MONTH: NOV

CLASS: ALL WEATHER      HOURS (L.S.T.): 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	4.7	5.3	2.7									12.7	4.3
NNE	2.7	3.0	2.3									8.0	4.9
NE	1.7	1.7	1.7									4.7	5.4
ENE		.7	.7	.3								1.7	7.6
E		.3										.3	4.0
ESE	.3											.3	2.0
SE	.7	.7										1.7	3.5
SSE		.3										.3	6.0
S	1.3	.3	.7	.3								2.7	5.6
SSW		2.3	.7	.3								3.3	6.8
SW	1.7	1.3	1.0									4.0	4.3
WSW	2.7	.3	1.0									3.3	4.0
W	2.3	1.7	2.3	1.0								7.3	6.3
WWW	1.0	2.0	1.0	.3								4.7	5.7
NW	1.7	1.7	.7									3.7	4.1
NNW	3.7	1.3	1.0									6.0	7.4
VARL													
CALM												36.7	
	21.3	22.3	15.7	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 370

8105



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION

BFA FORT, SC

STATION NAME

73-87

YEARS

NOV

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	4.3	3.7	1.7								11.0	6.2
NNE	2.3	3.7	4.3	2.0								12.3	6.5
NE	2.3	6.7	4.7	.3								13.3	5.7
ENE	1.7	3.3	.7	.7								6.7	5.4
E	.7	2.0	.7									4.7	4.1
ESE	.7	1.7										1.7	3.4
SE	1.7	.3										1.7	3.0
SSE	.7	.3	.7									1.7	4.6
S		.7	1.3	.7								2.7	4.8
SSW	.7	2.3	2.0	.3								5.3	6.9
SW	.7	2.0	1.7	.3								4.3	6.5
WSW	.3	2.0	1.7	1.0								4.7	7.4
W	1.3	1.7	3.7	1.3								6.7	7.8
WNW	1.7	2.3	1.7	1.7								6.7	6.3
NW	.7	1.7	1.7									3.3	6.4
NNW	1.3	3.7	1.3	1.7								7.3	6.2
VARBL													
CALM												7.0	
	19.3	36.0	29.0	9.7								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

300

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

STATION ASHEVILLE, SC STATION NAME ASHEVILLE, SC YEAR 73-74 MONTH NOV  
 CLASS ALL WEATHER HOURS 12  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	2.0	4.0	.3								9.0	6.8
NNE	1.0	3.0	2.7	.7								7.7	6.5
NE	1.0	2.0	2.7	.3								6.0	5.9
ENE	1.7	3.7	2.3									7.7	5.4
E	.7	3.0	2.7	.7								6.7	6.7
ESE	.7	1.3	.7	.7								7.0	6.3
SE	.7	1.0										1.0	4.6
SSE	.3	1.3	1.7									3.3	6.2
S	1.0	3.7	2.3									7.0	5.9
SSW	.7	2.7	2.3									5.0	6.5
SW		1.0	1.3									2.3	7.1
WSW	2.0	1.3	2.7		.7							5.3	6.8
W	1.0	2.7	4.0	2.3	.3							10.0	8.6
WNW	1.0	1.0	1.3	1.0								4.0	7.2
NW	1.0	.7	2.0									3.7	5.9
NNW	1.7	2.3	2.3	.7								7.0	6.2
VARBL													
CALM												8.0	
	17.3	32.7	34.3	6.7	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 300

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: 47931 BEAUFORT, SC STATION NAME: 73-82 YEARS: NOV  
 CLASS: ALL WEATHER MONTH: 16  
 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	1.0	1.7	3.0	.7								8.3	6.6
NNE	.7	1.7	1.7									5.7	6.5
NE	2.3	2.0	2.3									6.7	5.6
ENE	.7	3.0	.7									4.3	4.8
E	3.0	5.7	1.7	.3								10.7	4.7
ESE	.7	3.0	1.7									4.7	5.4
SE	1.7	2.3	1.7									4.7	5.2
SSE	.7	4.7	1.7									6.7	5.1
S	1.3	5.7	3.7	.3								11.7	5.7
SSW	.7	1.7	1.7									3.3	3.7
SW	.7	2.3	.7									3.3	4.8
WSW	.7	.7	1.7									2.7	5.3
W	1.7	3.7	5.7	2.7								12.7	7.4
WNW	.7	.7	2.3	.3								4.7	6.9
NW	1.7	1.3	1.7		.3							4.7	6.6
NNW	1.3	1.7	2.7	.3								4.7	6.4
VARBL													
CALM												3.7	
	17.7	42.3	31.0	4.0	.3							100.0	5.7

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: BATAFORT, SC STATION NAME: 73-92 YEARS: NOV  
 CLASS: ALL WEATHER MONTH: 19  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.3	1.7									7.3	4.2
NNE	2.7	.7	1.0									4.3	3.9
NE	2.3	2.0	.3		.3							5.0	4.5
ENE	3.7	2.3	1.0									6.3	4.4
E	3.7	1.0	.3									4.9	3.3
ESE	1.3	1.0										2.3	3.3
SE	1.7	1.0	.7									3.7	4.2
SSE	2.3	2.7	.3									5.3	3.8
S	5.0	4.0	1.0									10.0	3.9
SSW	1.0	2.0	.7									3.7	4.8
SW	1.7	.3										2.7	2.2
WSW	2.7	.7	.3									3.7	3.0
W	1.7	1.7	1.7	.3								5.0	6.2
WNW	1.7	.3	.7		.3							3.0	5.9
NW	1.0	1.7	.7									3.3	4.8
NNW	.7	.7										1.3	3.3
VARBL													
CALM												79.7	
	34.3	25.3	9.7	.3	.7							100.3	2.9

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  
27871

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH  
NOV

CLASS  
ALL WEATHER

HOURS (L.S.T.)  
22

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.7	.7									7.0	4.3
NNE	1.7	2.7	1.7									6.0	5.1
NR	2.0	2.3		.3								4.7	4.4
ENE	2.3	1.0	.7									4.0	4.2
E	1.7	1.7										3.0	3.6
ESE	.7	.7										1.7	3.5
SE	.7	.7										1.7	4.0
SSE	.7	.7										1.3	2.8
S	1.7	4.3	1.3									7.4	5.0
SSW	1.3	2.7	.7									4.7	4.8
SW	1.0	.7										1.7	3.2
WSW	1.3	1.3										2.7	3.0
W	1.7	2.3	2.7	1.0								7.7	6.3
WNW	1.0	.7	.7	.3								2.7	5.9
NW	.3	.7	.3									1.3	6.0
NNW	1.3	1.0										2.3	3.1
VARBL													
CALM												41.5	
	22.1	26.5	8.0	1.7								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BFAJFORT, SC  
STATION NAME

73-A2  
YEAR

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
WINDS (L.S.V.)

COUNTRY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	3.6	2.3	.3								9.0	5.1
NNE	2.0	2.6	2.1	.5								7.2	5.6
NE	1.9	2.5	1.6	.1	.0							6.1	5.2
ENE	1.4	1.8	.8	.2								4.3	5.7
E	1.3	1.8	.7	.1								3.4	4.7
ESE	.5	.9	.2	.1								1.7	4.7
SE	.8	.7	.2									1.4	4.2
SSE	.7	1.4	.5									2.5	4.6
S	1.4	2.9	1.4	.7								6.2	5.2
SSW	1.0	2.0	1.3	.2								4.5	5.9
SW	.4	1.4	.7	.0								3.0	5.0
WSW	1.6	1.1	.8	.1	.1							3.4	5.0
W	1.8	2.3	3.0	1.2	.0							8.3	6.9
WNW	1.1	1.5	1.3	.5	.1							4.4	6.4
NW	1.1	1.3	1.0	.0	.0							3.4	5.3
NNW	1.7	1.7	.9	.3								4.5	5.0
VARS													
CALM												25.5	
	22.3	29.6	18.6	3.7	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

**SURFACE WINDS**

STATION: BELMONT, SC

YEAR: 73-82

MONTH: DEC

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

31

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	2.9	.6									5.5	3.9
NNE	2.5	4.9	2.3	.3								10.0	5.3
NE	.7	1.9	1.0									3.2	6.0
NNE													
E													
ESE			.1									.1	10.0
SE													
SSE	.5	.6	.6									1.9	5.3
S	1.5	1.9	1.9	1.0								6.5	6.7
SSW	1.9	1.6	1.0	1.0								5.5	5.8
SW	2.3	1.3	.3									3.0	3.7
WSW	2.3	2.6	1.6	.3								6.8	5.1
W	2.6	3.2	2.9	1.9								10.6	6.5
WNW	1.0	2.3	2.6	1.0								6.8	7.0
NW	.6	1.9	1.0									3.5	5.5
NNW	1.3	.5										1.9	3.5
VARIABLE													
CALM												33.5	
	19.0	25.8	16.1	5.5								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	4.0	1.0	.3								9.4	4.7
NNE	1.0	2.0	2.6	.6								8.1	5.7
NE	1.0		.3	.3								1.6	4.8
NNE	.3	.3	.3									1.0	4.7
E													
ESE		.3										.3	4.0
SE		.3										.3	4.0
SSE	.3	1.0	.6									1.9	5.7
S	.6	1.3	1.0	.3								3.2	6.2
SSW	1.6	1.6	1.6	.3								5.2	5.7
SW	.3	3.2	.6		.3							4.5	5.9
WSW	.6	2.9	.3									3.7	4.9
W	2.0	4.8	3.2	1.6								12.6	6.2
WW	1.6	2.6	2.3	.3								6.8	5.9
NW	1.6	1.9	.3									3.6	4.2
NNW	.6	2.6	1.0									4.2	5.3
VARBL													
CALM												3.2	
	16.5	30.6	15.5	3.9	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

27371  
STATION

BEAUFORT, SC  
STATION NAME

73-87  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.3	2.4	.6								10.3	5.4
NNE	2.3	2.3	3.7	.6								8.4	6.4
NE	1.9	.6	.6									3.2	4.0
ENE	.6	.6										1.3	3.8
E													
ESE	.6											.6	2.0
SE	.6											.6	1.5
SSE	.6	.3	.3									1.3	3.3
S	.3	1.6	1.9	.3								4.2	6.8
SSW	1.7	2.3	1.6	.3								5.7	6.2
SW	.3	1.6	.3									2.3	5.0
WSW	1.0	1.3	1.7									3.2	5.0
W	1.9	2.9	2.6	1.3	.3							9.7	6.9
WW	.6	2.3	1.7	1.0								4.8	6.3
NW	2.3	2.3	.3									4.6	3.8
NNW	1.9	2.6	1.3									5.8	5.0
VARB.													
CALM												34.8	
	19.4	24.5	16.8	8.2	.3							100.3	3.6

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION: REAFORT, SC STATION NAME: 73-P2 YEAR: DEC MONTH: 10  
 CLASS: ALL WEATHER HOUR (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.6	3.4	1.9								9.4	7.8
NNE	1.6	4.8	5.5	1.3								13.2	6.9
NE	2.6	3.5	2.3									8.4	5.3
ENE	1.3	1.6	1.0	.3								4.2	5.5
E	1.6	1.6										3.2	3.3
ESE	.6											.6	2.0
SE	.6	1.3										1.9	4.2
SSE	.6	1.0		.3								1.9	5.3
S	1.9	1.9	3.9	.6								8.4	6.7
SSW		1.6	.6	1.0								3.2	7.6
SW	.6	1.0	.3	1.3	.3							3.5	9.1
WSW	1.6	2.9	1.3	1.0								6.8	6.2
W	1.9	1.6	3.2	1.6	.3							8.7	7.9
WNW	1.9	1.6	3.2	1.3								8.1	6.8
NW	1.9	1.0	1.3	.3								4.5	5.6
NNW	.6	1.0	1.9	.6								4.2	7.5
VARBL													
CALM												9.1	
	20.6	29.0	28.4	11.6	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

97331

9 FALFORT, SC

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

17

HOURS (L.O.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	4.0	3.0	1.0	.6							10.3	7.7
NNE	.3	2.6	2.9	.3								6.1	7.1
NE	1.6	2.3	1.6	.6								6.1	5.9
ENE	1.7	.6	1.9									3.0	6.4
E	1.3	1.3	.6	.3								3.0	5.4
ESE	.6	.3	.3									1.3	5.3
SE	.3	.6	.6									1.6	5.4
SSE	.6	1.3	2.6	1.0								5.5	7.4
S	.6	2.9	4.2	1.9								9.7	8.2
SSW	.6	1.3	2.6	1.6	.3							6.5	9.2
SW	.6	1.9	1.3	1.0								4.5	7.4
WSW	.6	1.9	2.9	.3	.3							6.1	7.7
W	1.3	4.2	5.2	2.9	.6							14.2	8.1
WNW	.7	1.3	1.9	1.3								4.8	8.6
NW	.6	2.3	1.0	.3								5.2	6.3
NNW	.3	.6	1.6	.3								2.9	7.9
VARBL													
CALM												8.1	
	11.6	29.7	35.8	12.9	1.9							100.0	6.9

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 BEAUFORT, SC STATION NAME 73-82 YEARS DEC  
 CLASS ALL WEATHER MONTH 16  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.5	4.5	1.0								11.0	6.7
NNE	1.0	1.6	1.0									3.6	4.6
NE	1.0	1.6	1.0	.3								4.8	5.1
ENE	1.0	1.0	1.3									3.5	4.0
E	1.6	1.3	1.6	.3								4.8	5.0
ESE	.6	1.9	1.0									3.5	5.0
SE		1.0	1.6									2.6	7.0
SSE	.6	1.6	1.6									3.9	5.7
S	1.0	5.8	3.9	1.3								12.3	6.8
SSW	1.0	.3	1.9	.3								3.9	6.3
SW	.6	1.6	1.3	.3								3.9	6.2
WSW	.6	2.3	1.3	1.0								5.2	6.8
W	3.9	5.2	3.9	3.2	1.0							17.1	7.6
WW	1.0	2.6	4.2	1.6								9.7	7.6
WNW	.6	1.6	1.0									3.6	5.8
NW	.3	1.0	.6									1.9	5.7
VARB												4.5	
CALM													
	18.4	34.8	31.7	9.4	1.0							170.0	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

STATION SEA FORT, SC STATION NAME 23-82 YEARS 010  
ALL WEATHER MONTH 10  
 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	3.0	1.0									1.0	4.7
NNE	1.0	1.0	1.0									4.0	5.4
NE	1.0	.7	1.0									2.7	4.7
NNE	1.0	.3	.5									1.8	5.7
E	.7	1.3										1.0	4.6
ESE	.5	.5	.3									1.3	4.4
SE	1.0											1.0	4.4
SSE	1.0	1.0	1.0									3.0	4.9
S	1.0	1.0	2.0	.3								4.3	5.0
SSW	.3	1.0	.3									1.6	3.9
SW	.3	1.0	.3	.3								2.9	3.9
WSW	.3	1.0	.3									2.6	3.5
W	.3	1.0	1.0	1.0								4.3	4.9
WW	.7	1.0	1.0	.3								3.0	7.0
NW	1.0	.7	2.0									4.7	5.7
NNW	1.0	1.0	1.0									3.0	4.3
VARBL													
CALM												27.2	
	27.9	29.7	16.5	3.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 100

5106

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION 7501 WALFORD, SC STATION NAME 73-82 YEARS DIC  
STATION STATION NAME YEARS MONTH  
 CLASS ALL WEATHER 20  
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	1.7	3.2	.7	.3								5.6	4.4
NNE	.5	3.5	1.3									6.1	5.7
NE	1.7	.5	1.7	.3								3.2	6.4
NNE	1.7	.7	.7									1.5	4.4
E	.5			.3								1.0	3.3
ESE				.3								.3	12.0
SE	.5	1.0										1.7	3.5
SSE	1.7	.6	1.3	.3								3.2	6.0
S	2.6	2.0	2.9	.3								9.7	5.3
SSW	1.3	2.0	1.7	1.0								7.1	6.3
SW	1.7	2.6	.3									4.9	4.2
WSW	2.7	2.3		.3								5.8	3.9
W	1.3	2.7	3.9	1.6	.3							9.7	7.2
WNW	1.7	1.3	.6	.6								3.6	5.7
NW	1.3		.6	.6								2.6	6.3
NNW	1.0	.5										1.5	3.2
VARB													
CALM												33.3	
	10.7	24.9	15.5	6.1	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 309

8806

815 GPO 1984-741-348/201

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION 97521 REAFORT, SC STATION NAME 23-47 YEAR DEC MONTH  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.7	2.3	.6	.1							8.5	5.9
NNE	1.5	3.1	2.7	.6								7.6	6.0
NE	1.5	1.4	1.1	.2								4.2	5.3
NNE	.2	.6	.7	.0								2.2	5.2
E	.7	.7	.7	.1								1.8	4.9
ESE	.4	.4	.2	.0								1.1	5.0
SE	.4	.2	.2									1.2	4.5
SSE	.2	1.0	1.0	.2								2.9	5.7
S	1.5	2.1	2.5	.8								8.2	6.4
SSW	1.3	1.5	1.5	.7	.0							5.0	6.5
SW	1.2	1.2	.6	.4	.1							4.0	5.6
WSW	1.5	2.2	1.1	.4	.0							5.4	5.5
W	2.4	3.1	3.3	2.0	.3							11.5	7.1
WNW	1.0	1.0	2.2	.9								6.0	6.9
NW	1.4	1.4	1.1	.2								4.1	5.4
NNW	1.0	1.3	.7	.1								3.3	5.5
VARBL													
CALM												23.0	
	19.1	28.2	22.1	7.0	.6							100.0	6.7

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: BEA FORT, SC YEAR: 1951 MONTH: ALL  
 CLASS: ALL WEATHER HOURS (L.S.T.): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	1.7	.3	.0	.0	.0	.0	.0	.0	.0	6.0	5.3
NNE	1.7	2.2	1.6	.3	.0	.0	.0	.0	.0	.0	.0	6.0	5.5
NE	1.2	1.7	1.1	.2	.0	.0	.0	.0	.0	.0	.0	4.0	5.4
ENE	1.1	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
E	1.7	1.0	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	5.2
ESE	.0	1.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
SE	.9	1.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
SSE	1.1	1.2	1.5	.3	.0	.0	.0	.0	.0	.0	.0	4.0	5.9
S	2.7	3.2	2.0	.7	.1	.0	.0	.0	.0	.0	.0	10.0	5.3
SSW	1.5	2.2	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	5.5
SW	1.7	2.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	5.0	5.1
WSW	1.7	2.1	1.3	.4	.0	.0	.0	.0	.0	.0	.0	5.4	5.5
W	2.8	2.4	2.5	1.1	.1	.0	.0	.0	.0	.0	.0	5.2	6.6
WNW	1.1	1.3	1.2	.5	.0	.0	.0	.0	.0	.0	.0	4.0	6.3
NW	1.2	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.0	5.2
NNW	1.1	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.0	4.9
VARBL													
CALM												20.4	
	23.1	29.0	21.0	5.4	.4	.0	.0	.0	.0	.0	.0	100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 29210

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

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

SURFACE WINDS

STATION BEAUFORT, SC STATION NAME 73-82 YEARS ALL  
 INSTRUMENT CLAS MONTHS ALL  
 CLAS HOURLY U.S.T.  
 CONDITION CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE.  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE.

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	5.3	4.8	1.0								16.0	5.9
NNE	1.8	3.3	3.7	.9	.7							9.7	6.5
NE	2.3	2.4	2.7	.6	.7							7.1	5.9
ENE	1.0	1.0	1.4	.3	.7							3.7	6.0
E	1.2	1.4	1.2	.5	.7	.7						4.4	5.9
ESE	.5	.7	.6	.2								2.0	5.9
SE	.2	.7	.5	.1		.7						1.2	5.8
SSE	.5	1.0	.9	.3	.7							2.9	6.8
S	1.4	2.3	2.1	1.0	.1	.7						7.1	7.0
SSW	.7	1.5	1.1	.6								4.0	6.6
SW	.5	1.4	.4	.7	.0							2.9	5.5
WSW	.5	1.7	1.4	.1								3.9	6.2
W	1.4	1.6	1.7	.8	.2	.7						5.7	6.9
WNW	1.3	1.1	1.7	.5	.1							3.7	6.4
NW	1.3	1.2	1.4	.3	.7	.7						4.4	5.8
NNW	1.4	2.5	1.5	.4								5.8	5.5
VARBL													
CALM												16.0	
	20.1	29.2	25.4	7.8	.6	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2961

SMOS

NO. 5 GPO (1984) 741 348 701

NOCD, Federal building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

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

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

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

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

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

#### EXAMPLE # 5

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

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

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

## PART D

## SKY COVER

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

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

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<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

STATION  
7471

STATION NAME  
SPAINFORT, SC

YEARS  
73-72

MONTH  
JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PI  
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	70.3	54.9	55.8	56.1	56.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 20000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 18000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 16000	52.2	57.7	59.7	60.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6
IV 14000	52.2	57.7	59.7	60.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6
IV 12000	54.3	67.3	62.6	63.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2
IV 10000	54.3	67.3	62.6	63.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2
IV 9000	58.4	64.3	65.1	66.5	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0
IV 8000	58.4	64.3	65.1	66.5	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0
IV 7000	60.7	65.8	67.7	68.1	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 6000	60.7	65.8	67.7	68.1	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 5000	61.0	67.4	69.4	69.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3
IV 4500	62.0	68.4	70.3	70.7	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.2
IV 4000	63.3	70.3	72.3	72.9	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5
IV 3500	64.2	70.7	72.6	73.2	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8
IV 3000	67.1	73.6	75.6	76.5	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0
IV 2500	68.1	74.8	77.4	78.1	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 2000	69.4	75.8	79.0	79.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
IV 1800	68.4	76.1	79.4	80.0	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9
IV 1500	69.7	76.8	80.2	81.2	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.6
IV 1200	69.4	77.1	80.3	82.3	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8
IV 1000	70.0	78.1	81.6	84.5	85.5	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
IV 900	70.0	78.1	81.6	84.5	85.5	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
IV 800	70.0	78.1	81.6	84.5	85.5	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
IV 700	70.0	78.7	82.3	86.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
IV 600	70.0	79.4	83.2	87.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
IV 500	70.0	80.0	83.9	88.7	89.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
IV 400	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 300	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 200	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 100	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 0	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION REAFORT, SC  
STATION NAME

73-02  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

64  
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	42.4	47.7	51.3	52.3	52.0	52.6	53.2	53.7	53.2	53.2	53.2	54.2	54.2	54.5	55.2	
≥ 20000	47.1	52.8	56.5	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.0	60.0	60.0	60.3	61.0	
IVIV 18000	47.1	52.6	56.5	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.0	60.0	60.0	60.3	61.0	
IVIV 16000	47.1	52.6	56.5	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.0	60.0	60.0	60.3	61.0	
IVIV 14000	47.1	52.6	56.5	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.0	60.0	60.0	60.3	61.0	
IVIV 12000	47.4	52.9	56.8	58.4	58.7	58.7	59.4	59.4	59.4	59.4	59.4	60.3	60.3	60.7	61.3	
IVIV 10000	48.4	54.5	58.7	60.3	60.7	60.7	61.0	61.0	61.3	61.3	61.3	62.3	62.3	62.6	63.2	
IVIV 9000	48.4	54.5	59.0	60.7	61.0	61.0	61.6	61.6	61.6	61.6	61.6	62.6	62.6	62.9	63.6	
IVIV 8000	49.4	55.1	60.7	62.3	62.6	62.6	63.2	63.2	63.2	63.2	63.2	64.2	64.2	64.5	65.2	
IVIV 7000	50.3	56.8	61.3	62.9	63.2	63.2	63.9	63.9	63.9	63.9	63.9	64.8	64.8	65.2	65.8	
IVIV 6000	50.3	57.4	61.9	63.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	65.5	65.5	65.8	66.5	
IVIV 5000	52.6	59.7	64.5	66.5	66.8	66.8	67.4	67.4	67.4	67.4	67.4	68.4	68.4	68.7	69.4	
IVIV 4500	53.6	60.7	65.5	67.7	68.1	68.1	68.7	68.7	68.7	68.7	68.7	69.7	69.7	70.0	70.7	
IVIV 4000	54.2	61.6	66.5	69.0	69.4	69.4	69.7	69.7	69.7	69.7	69.7	70.7	70.7	71.0	71.6	
IVIV 3500	54.2	62.3	67.1	69.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	71.3	71.3	71.6	72.3	
IVIV 3000	57.4	66.5	71.3	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.5	75.5	76.1	76.5	
IVIV 2500	58.1	67.1	72.3	74.8	75.2	75.2	75.5	75.5	75.5	75.5	75.5	76.5	76.5	77.1	77.4	
IVIV 2000	59.7	68.4	74.8	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	79.1	79.1	79.7	80.0	
IVIV 1800	59.7	69.4	74.8	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	79.1	79.1	79.7	80.0	
IVIV 1500	59.7	70.3	76.8	79.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.3	82.6	
IVIV 1200	61.0	71.3	77.7	81.1	81.6	81.6	82.3	82.3	82.3	82.3	82.3	83.9	83.9	84.2	84.8	
IVIV 1000	61.0	72.3	79.0	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	85.5	85.5	85.5	86.5	
IVIV 900	61.0	73.2	80.3	83.9	84.5	84.5	85.5	85.5	85.5	85.5	85.5	87.1	87.1	87.4	88.4	
IVIV 800	61.0	73.2	80.3	83.9	84.5	84.5	85.5	85.5	85.5	85.5	85.5	87.1	87.1	87.4	88.4	
IVIV 700	61.0	73.2	80.3	83.9	84.5	84.5	85.5	85.5	85.5	85.5	85.5	87.1	87.1	87.4	88.4	
IVIV 600	61.0	73.9	81.3	85.5	86.5	86.5	87.4	87.4	87.4	87.4	87.4	89.0	89.0	89.0	90.3	
IVIV 500	61.0	73.9	81.6	86.1	87.1	87.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	89.7	90.0	
IVIV 400	61.0	73.9	81.6	86.1	87.1	87.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	89.7	90.0	
IVIV 300	61.0	73.9	81.6	86.1	87.1	87.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	89.7	90.0	
IVIV 200	61.0	73.9	81.6	86.1	87.1	87.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	89.7	90.0	
IVIV 100	61.0	73.9	81.6	87.1	88.1	88.1	89.7	89.7	89.7	89.7	89.7	91.3	91.3	91.3	92.6	
IVIV 0	61.0	73.9	81.6	87.1	88.1	88.1	89.7	89.7	89.7	89.7	89.7	91.3	91.3	91.3	92.6	

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFOUNT, SC

STATION NAME

73-82

YEARS

JAN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	39.7	46.2	47.7	48.1	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	57.7	61.0
IV 20000	45.7	51.3	54.2	54.4	55.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.7	58.1
IV 18000	45.2	51.3	54.2	54.8	55.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.7	58.1
IV 16000	45.2	51.3	54.2	54.8	55.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.7	57.7	58.1	58.4
IV 14000	45.2	51.3	54.2	54.2	55.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.7	58.1
IV 12000	45.2	51.3	54.2	54.8	55.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.7	57.7	58.1	58.4
IV 10000	45.1	52.3	55.2	55.8	56.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	59.0	59.7
IV 9000	46.7	52.3	55.2	55.8	56.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	59.0	59.7
IV 8000	49.4	55.8	59.4	59.7	60.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.9	63.6
IV 7000	49.4	55.8	59.4	60.0	60.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.9	62.9	63.2	63.9
IV 6000	49.4	55.8	59.4	60.0	60.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.9	62.9	63.2	63.9
IV 5000	50.7	57.4	61.0	61.9	62.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.5	66.1
IV 4500	51.3	57.7	61.3	62.3	62.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.5	65.5	65.8	66.5
IV 4000	51.3	57.7	61.3	62.3	62.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.5	65.5	65.8	66.5
IV 3500	51.3	59.0	62.9	63.9	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.4	68.1
IV 3000	53.6	61.3	65.5	66.4	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.9	72.6
IV 2500	54.8	62.6	66.4	67.3	68.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.9	74.5
IV 2000	55.5	63.9	69.7	71.6	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.5	75.5	75.8	76.5
IV 1800	55.5	64.2	70.0	71.9	72.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.8	75.8	76.1	76.8
IV 1500	57.7	67.1	73.2	75.8	76.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.7	79.7	80.0	80.7
IV 1200	58.1	67.7	74.8	77.4	78.1	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.9	81.9	82.3	82.9
IV 1000	58.4	68.1	74.1	77.4	78.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.9	83.9	84.2	85.2
IV 900	59.7	68.7	76.8	80.0	81.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	84.5	84.5	84.8	85.8
IV 800	59.4	68.4	77.4	80.7	81.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	85.2	85.2	85.5	86.5
IV 700	59.4	69.4	77.7	81.0	82.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.5	85.5	85.8	86.8
IV 600	59.4	69.4	78.1	81.9	82.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.5	86.5	86.8	87.7
IV 500	59.4	69.4	78.4	82.3	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.7	87.7	88.4	90.0
IV 400	59.7	69.7	78.7	82.6	84.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.7	88.7	89.7	91.3
IV 300	59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	90.7	92.9
IV 200	59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	90.7	92.9
IV 100	59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	90.7	92.9
IV 0	59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	89.7	89.7	90.7	92.9

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

ASHEVILLE, NC

STATION NAME

73-22

YEARS

JAN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.6	45.9	46.1	45.8	47.4	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	50.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000	50.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	50.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 14000	50.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 12000	51.3	53.2	54.5	55.0	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	54.2	56.1	57.7	59.0	59.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	54.2	56.1	57.7	59.0	59.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	58.7	60.7	62.6	64.2	64.8	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	58.7	61.6	63.6	65.2	65.8	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	58.7	61.6	63.6	65.2	65.8	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000	60.7	62.9	64.8	66.5	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4500	61.6	63.9	65.8	67.4	68.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	61.6	64.2	66.1	67.7	68.4	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3500	61.6	64.7	66.5	68.4	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3000	63.2	66.8	69.0	71.0	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500	63.9	67.4	70.0	72.3	73.2	73.9	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	65.9	69.0	71.9	74.2	75.2	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	65.9	69.4	72.3	74.9	75.9	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1500	67.7	71.9	75.5	78.1	79.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1200	68.2	72.3	76.5	79.0	80.7	81.3	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	68.4	72.6	77.4	80.0	81.9	83.2	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	69.7	74.2	79.0	81.6	83.4	84.8	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 800	69.7	74.5	79.7	82.6	84.5	85.8	86.3	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 700	70.0	75.8	81.0	83.9	85.8	87.1	87.4	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 600	70.0	75.8	81.0	83.9	86.1	87.4	87.7	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 500	70.0	76.1	81.6	85.2	88.1	90.3	91.0	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400	70.0	76.1	81.6	85.2	88.4	91.0	91.6	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 300	70.0	76.1	81.6	85.9	89.0	91.6	92.3	92.9	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	70.0	76.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	70.0	76.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
0	70.0	76.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97501  
STATION

SEA FORT, SC  
STATION NAME

73-52  
YEAR

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
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	59.7	58.5	57.0	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
IV 20000	56.8	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	57.7
IV 18000	56.8	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	57.7
IV 16000	56.8	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	57.7
IV 14000	56.8	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	57.7
IV 12000	57.1	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	58.7
IV 10000	60.0	61.0	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 9000	60.0	61.0	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
IV 8000	65.8	66.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	66.8	67.7	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
IV 6000	66.8	68.1	69.0	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 5000	69.7	69.7	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	71.3
IV 4500	68.4	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4000	68.4	70.0	71.3	71.9	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 3500	69.7	70.7	71.9	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	72.0	74.5	76.1	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	72.0	75.2	76.8	77.7	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2000	73.9	76.8	79.0	80.0	80.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800	74.2	77.4	79.7	81.0	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	75.8	79.4	81.6	82.7	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200	76.4	80.7	83.2	84.5	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	77.4	81.6	84.2	85.8	85.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	77.4	81.6	84.5	86.8	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 800	77.4	81.6	84.8	87.4	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	78.4	82.6	85.8	88.7	90.0	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600	78.4	82.6	86.8	90.0	91.0	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 500	78.4	82.9	87.4	91.0	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 400	78.4	82.9	87.7	91.3	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	78.7	83.7	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

77-41

YEAR

JAN

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		44.5	46.5	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 20000		56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000		56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000		56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000		56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000		56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000		62.5	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 9000		62.5	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 8000		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	67.4
IV 7000		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	67.4
IV 6000		67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000		66.5	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500		68.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000		70.5	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500		71.5	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
IV 3000		74.5	74.5	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500		76.5	79.7	80.0	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 2000		78.5	81.0	81.7	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800		78.5	81.0	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1500		80.5	83.2	84.7	85.9	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1200		80.5	84.7	85.6	87.4	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1000		81.5	84.8	86.3	88.4	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900		81.5	84.8	86.3	88.4	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800		81.5	84.8	86.3	88.4	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 500		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 300		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 200		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 100		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
0		82.5	86.1	88.7	90.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: 75-92 YEARS: 19 MONTHS: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS IN A DAY: 24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 20000	57.4	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	58.1
IV 18000	57.4	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	58.1
IV 16000	57.4	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	58.1
IV 14000	58.1	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	59.0
IV 12000	58.7	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	59.7
IV 10000	59.4	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	62.3
IV 9000	62.3	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 8000	65.8	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	66.8	70.0	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	67.4	71.0	71.3	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
IV 5000	67.7	72.7	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 4500	69.4	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	70.1	75.3	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	76.1
IV 3500	71.5	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	72.9	76.1	76.7	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 2500	74.6	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	81.6	81.6
IV 2000	75.5	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1800	75.5	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	83.2	83.2
IV 1500	75.5	82.3	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1200	76.4	83.6	85.5	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 1000	77.7	84.2	86.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	77.7	85.5	88.7	89.7	90.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	77.7	85.8	89.1	90.0	90.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	78.1	86.8	89.7	90.7	91.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	78.1	86.8	90.7	92.3	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 500	78.1	87.1	91.0	92.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 400	78.1	87.1	91.3	92.9	93.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	78.1	87.1	91.3	93.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	78.1	87.1	91.3	93.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	78.1	87.1	91.3	93.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	78.1	87.1	91.3	93.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS: 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION AIRPORT, NC YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.4	54.1	53.7	50.7	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 20000	65.5	65.7	61.0	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 18000	65.5	65.7	61.0	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 14000	65.5	65.7	61.0	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 14000	65.5	65.7	61.0	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 12000	65.5	65.7	61.0	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 10000	65.5	65.7	61.0	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 9000	65.5	65.7	61.0	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 8000	65.5	65.7	61.0	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	65.5	65.7	61.0	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 4000	65.5	65.7	61.0	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 5000	65.5	65.7	61.0	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 4500	65.5	65.7	61.0	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 4000	65.5	65.7	61.0	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 3500	65.5	65.7	61.0	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 3000	65.5	65.7	61.0	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 2500	65.5	65.7	61.0	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 2000	65.5	65.7	61.0	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 1800	65.5	65.7	61.0	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 1500	65.5	65.7	61.0	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 1200	65.5	65.7	61.0	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 1000	65.5	65.7	61.0	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 900	65.5	65.7	61.0	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 800	65.5	65.7	61.0	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 700	65.5	65.7	61.0	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 600	65.5	65.7	61.0	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 500	65.5	65.7	61.0	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 400	65.5	65.7	61.0	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 300	65.5	65.7	61.0	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 200	65.5	65.7	61.0	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 100	65.5	65.7	61.0	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 0	65.5	65.7	61.0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: STATION NAME: YEAR: MONTH:

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS U.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	45.7	47.4	50.6	51.3	51.9	51.7	51.9	51.9	51.9	51.9	51.7	51.9	51.9	51.9	51.9	51.9
IV 20000	48.3	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 18000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 12000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 6000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 5000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1800	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1500	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1200	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1000	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 900	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 800	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 700	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 600	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 500	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 400	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 300	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 200	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 100	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 0	48.4	55.8	57.1	57.7	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

TOTAL NUMBER OF OBSERVATIONS: 744

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: WALFORD, SC YEARS: 1951 MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.3	51.9	41.7	32.3	22.8	13.1	8.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
≥ 20000	64.5	51.5	41.3	31.9	22.4	12.7	7.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	62.5	49.5	39.3	30.3	20.8	11.7	6.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000	61.5	48.5	38.3	29.3	19.8	10.7	5.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
IV 14000	60.5	47.5	37.3	28.3	18.8	9.7	4.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
IV 12000	59.2	46.2	36.2	27.2	17.7	8.7	3.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	61.4	46.7	36.4	27.7	18.5	9.9	4.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
IV 9000	61.7	47.0	36.7	28.0	18.8	10.2	5.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 8000	65.7	51.3	41.4	32.4	22.9	13.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 7000	65.4	51.0	41.1	32.1	22.6	12.9	7.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
IV 6000	65.4	51.4	41.8	32.8	23.2	13.4	8.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
IV 5000	66.0	52.0	42.5	33.5	24.0	14.0	9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 4500	66.0	52.3	42.8	33.8	24.3	14.3	9.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4000	67.0	53.0	43.5	34.5	25.0	15.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
IV 3500	67.2	53.5	44.0	35.0	25.5	15.5	10.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
IV 3000	67.4	53.7	44.2	35.2	25.7	15.7	10.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 2500	71.2	57.4	47.9	38.9	29.4	18.4	13.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
IV 2000	75.2	61.2	51.1	42.1	33.2	21.2	16.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1800	73.4	61.2	51.1	42.1	33.2	21.2	16.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
IV 1500	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 1200	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 1000	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 900	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 800	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 700	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 600	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 500	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 400	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 300	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 200	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 100	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
IV 0	74.5	62.3	52.2	43.2	34.3	22.3	17.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

BEAUFORT, SC

STATION NAME

73-92

YEARS

PER

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0	
NO CEILING	43.2	54.4	56.9	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4
≥ 2000	42.1	54.9	53.5	65.3	65.3	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3
IV 18000	42.1	54.9	63.5	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.3	66.3
IV 14000	42.1	54.9	63.5	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.3	66.3
IV 12000	42.9	59.2	63.8	65.4	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7
IV 10000	45.1	67.3	67.4	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.2	70.2
IV 9000	45.1	63.1	67.7	67.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6
IV 8000	47.4	65.3	70.9	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	74.1	74.1
IV 7000	46.4	67.0	72.0	74.1	74.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5
IV 6000	48.4	67.4	72.7	74.8	74.8	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.2	76.2
IV 5000	40.4	69.2	74.5	76.6	76.6	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0
IV 4500	40.4	69.2	74.5	76.6	76.6	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0
IV 4000	41.7	69.5	75.5	77.7	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1	79.1
IV 3500	41.7	70.7	76.2	78.4	78.4	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.8	79.8
IV 3000	41.7	71.7	77.7	79.8	79.8	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2
IV 2500	41.7	71.4	78.0	80.9	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9	81.9
IV 2000	43.1	73.4	80.1	82.4	82.4	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0
IV 1800	43.9	74.1	80.5	83.0	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.4	84.4
IV 1500	44.7	75.9	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9	86.9
IV 1200	44.5	75.5	83.3	86.5	86.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.3	88.3
IV 1000	44.9	77.3	84.0	87.2	87.2	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	89.0	89.0
IV 900	45.3	77.7	84.4	87.4	87.4	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.7	89.7
IV 800	45.3	77.7	84.8	87.9	87.9	88.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.4	90.4
IV 700	45.3	78.7	85.3	89.7	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	91.5	91.5
IV 600	45.3	73.0	85.3	89.4	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.6	92.6
IV 500	45.3	78.0	85.8	90.4	90.4	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.6	93.6
IV 400	45.3	78.0	86.5	91.1	91.1	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.3	94.3
IV 300	45.3	78.4	86.9	91.8	91.8	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.0	95.0
IV 200	45.3	78.4	86.9	91.8	91.8	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.7	95.7
IV 100	45.3	78.4	86.9	91.8	91.8	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	96.3	96.3
IV 0	45.3	78.4	86.9	91.8	91.8	93.4	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

92801  
STATION

DETACHMENT, SC  
STATION NAME

73-27  
YEARS

FEW  
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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.6	42.9	47.5	52.7	58.0	63.1	67.4	71.4	75.1	78.8	82.1	85.1	87.5	89.4	90.6
IN 20000	41.2	46.2	52.8	58.0	63.0	67.1	70.5	73.8	76.8	79.2	81.2	82.8	84.2	85.6	86.6
IV 18000	41.8	46.2	52.8	58.0	63.0	67.1	70.5	73.8	76.8	79.2	81.2	82.8	84.2	85.6	86.6
IV 16000	41.8	46.2	52.8	58.0	63.0	67.1	70.5	73.8	76.8	79.2	81.2	82.8	84.2	85.6	86.6
IV 14000	41.8	46.2	52.8	58.0	63.0	67.1	70.5	73.8	76.8	79.2	81.2	82.8	84.2	85.6	86.6
IV 12000	42.2	46.9	53.9	57.8	61.8	65.9	69.2	71.8	74.2	76.2	77.8	79.2	80.6	81.8	82.8
IV 10000	44.3	51.4	57.1	61.4	65.4	68.9	71.8	74.2	76.2	77.8	79.2	80.6	81.8	82.8	83.8
IV 9000	44.3	51.4	57.1	61.4	65.4	68.9	71.8	74.2	76.2	77.8	79.2	80.6	81.8	82.8	83.8
IV 8000	47.2	54.3	59.9	64.2	68.2	71.8	74.2	76.2	77.8	79.2	80.6	81.8	82.8	83.8	84.8
IV 7000	49.2	56.3	61.4	65.4	69.4	72.8	75.2	77.2	78.8	80.2	81.6	82.8	84.0	85.0	86.0
IV 6000	48.8	56.4	63.1	67.4	71.4	74.8	77.2	79.2	80.8	82.2	83.6	84.8	86.0	87.0	88.0
IV 5000	48.8	56.4	63.1	67.4	71.4	74.8	77.2	79.2	80.8	82.2	83.6	84.8	86.0	87.0	88.0
IV 4500	48.8	56.4	63.1	67.4	71.4	74.8	77.2	79.2	80.8	82.2	83.6	84.8	86.0	87.0	88.0
IV 4000	49.7	57.8	64.5	69.2	73.2	76.6	79.0	81.0	82.6	84.0	85.4	86.6	87.8	89.0	90.0
IV 3500	49.7	57.8	64.5	69.2	73.2	76.6	79.0	81.0	82.6	84.0	85.4	86.6	87.8	89.0	90.0
IV 3000	51.1	59.9	66.7	71.4	75.4	78.8	81.2	83.2	84.8	86.2	87.6	89.0	90.2	91.4	92.4
IV 2500	52.9	61.4	68.4	73.5	77.5	80.9	83.2	85.2	86.8	88.2	89.6	91.0	92.2	93.4	94.4
IV 2000	53.2	62.6	70.2	75.5	79.5	82.9	85.2	87.2	88.8	90.2	91.6	93.0	94.2	95.4	96.4
IV 1800	53.2	62.6	70.2	75.5	79.5	82.9	85.2	87.2	88.8	90.2	91.6	93.0	94.2	95.4	96.4
IV 1500	54.3	64.5	72.7	78.7	82.7	86.1	88.4	90.4	92.0	93.4	94.8	96.2	97.4	98.6	99.6
IV 1200	55.0	65.6	73.8	79.8	83.8	87.2	89.6	91.6	93.2	94.6	96.0	97.4	98.6	99.8	100.0
IV 1000	55.0	65.6	73.8	79.8	83.8	87.2	89.6	91.6	93.2	94.6	96.0	97.4	98.6	99.8	100.0
IV 900	56.0	66.7	74.8	81.2	85.2	88.6	91.0	93.0	94.6	96.0	97.4	98.6	99.8	100.0	100.0
IV 800	56.0	66.7	74.8	81.2	85.2	88.6	91.0	93.0	94.6	96.0	97.4	98.6	99.8	100.0	100.0
IV 700	56.0	66.7	74.8	81.2	85.2	88.6	91.0	93.0	94.6	96.0	97.4	98.6	99.8	100.0	100.0
IV 600	56.0	66.7	74.8	81.2	85.2	88.6	91.0	93.0	94.6	96.0	97.4	98.6	99.8	100.0	100.0
IV 500	56.4	67.7	76.2	83.0	87.0	90.4	92.8	94.8	96.4	97.8	99.2	100.0	100.0	100.0	100.0
IV 400	56.7	68.4	77.3	84.8	88.8	92.2	94.6	96.6	98.2	99.6	100.0	100.0	100.0	100.0	100.0
IV 300	56.7	68.4	77.3	84.8	88.8	92.2	94.6	96.6	98.2	99.6	100.0	100.0	100.0	100.0	100.0
IV 200	56.7	68.4	77.3	84.8	88.8	92.2	94.6	96.6	98.2	99.6	100.0	100.0	100.0	100.0	100.0
IV 100	56.7	68.4	77.3	84.8	88.8	92.2	94.6	96.6	98.2	99.6	100.0	100.0	100.0	100.0	100.0
IV 0	56.7	68.4	77.3	84.8	88.8	92.2	94.6	96.6	98.2	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

03311  
STATION

SEAFOOT, SC  
STATION NAME

23-02  
YEARS

SEP  
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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.5	49.7	49.7	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.1	51.1
≥ 20000	52.3	55.7	56.5	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.5	57.5
18000	53.2	56.7	56.4	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8
16000	53.2	56.7	56.4	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8
14000	53.8	56.4	56.7	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.2
12000	54.1	57.5	58.2	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.6	59.6
10000	56.4	61.4	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
9000	56.4	61.4	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
8000	59.7	64.3	66.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4
7000	59.7	67.0	67.6	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2
6000	60.3	67.0	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2
5000	60.6	67.4	68.1	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.2	70.2
4500	61.1	68.4	69.2	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.3	71.3
4000	61.4	68.8	70.2	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7
3500	61.7	69.2	71.3	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.8	73.8
3000	64.3	72.7	75.2	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7
2500	65.7	73.8	77.0	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
2000	66.0	74.5	77.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.5	80.5
1800	66.0	74.4	79.0	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.9	80.9
1500	66.1	77.0	80.1	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.3	83.3
1200	66.4	77.3	80.5	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0
1000	66.5	78.4	81.9	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5
900	69.5	78.4	82.3	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
800	69.5	78.4	83.3	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2
700	70.2	79.4	84.1	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.7	88.7
600	70.6	79.9	85.1	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.7	90.7
500	70.6	80.1	85.5	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.7	90.7
400	70.6	80.1	85.8	90.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.5	92.5
300	70.6	80.1	86.2	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5	92.5
200	70.6	80.1	86.2	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5	92.5
100	70.6	80.1	86.2	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5	92.5
0	70.6	80.1	86.2	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
AFALCMT, SC

STATION NAME

73-72

YEARS

13

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	52.1	52.4	52.8	52.8	53.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	59.3	59.9	59.9	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
18000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
16000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
14000	60.3	61.4	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
12000	61.4	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
10000	65.4	66.7	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
9000	65.4	66.7	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
8000	70.9	73.4	73.8	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
7000	71.6	74.5	74.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
6000	71.6	74.5	74.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
5000	71.6	74.5	74.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
4500	71.6	74.5	74.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
4000	73.4	77.3	77.3	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
3500	73.4	77.3	77.3	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
3000	77.0	80.9	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2500	78.0	82.3	83.3	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2000	78.0	82.3	83.3	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
1800	79.4	83.7	84.8	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1500	80.1	84.9	86.2	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
1200	80.9	85.8	86.9	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1000	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
900	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
800	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
700	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
600	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
500	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
400	81.6	87.6	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
300	82.3	89.0	91.5	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
200	82.3	89.0	91.5	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
100	82.3	89.0	91.5	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
0	82.3	89.0	91.5	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

05571

STAUNTON, SC

73-72

FEB

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	≥ 5/16	≥ 0	
NO CEILING	62.1	62.5	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 20000	62.4	62.5	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	63.1	63.4	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
IV 16000	63.1	63.4	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
IV 14000	63.8	64.2	64.9	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 12000	66.0	66.3	67.0	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 10000	69.2	70.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	69.2	70.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	72.0	73.4	74.1	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 7000	72.7	74.9	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 6000	73.5	75.4	76.6	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 5000	74.5	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	74.5	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000	75.2	77.7	78.4	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 3500	76.2	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3000	79.1	81.4	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	80.5	83.3	84.0	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 2000	81.6	85.1	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	81.6	85.1	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	82.3	85.8	87.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1200	82.6	86.2	87.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	84.0	87.6	89.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	84.0	87.6	89.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 800	84.4	87.9	90.1	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 700	84.4	88.3	90.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	84.4	88.3	90.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	84.8	89.7	90.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	84.8	89.4	91.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	84.8	89.4	91.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	84.8	89.4	91.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	84.8	89.4	91.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0	84.8	89.4	91.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 262

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
07841

STATION NAME  
BEAUFORT, SC

STATION NAME

YEAR  
1972

YEAR

MONTHS  
10

MONTHS

## 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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.4	56.4	57.1	57.1	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 20000	62.4	64.7	64.9	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
IV 18000	62.4	64.2	64.9	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
IV 16000	62.4	64.2	64.9	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
IV 14000	63.9	65.3	66.0	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
IV 12000	64.2	66.3	67.0	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
IV 10000	66.3	68.8	69.9	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	67.0	69.5	70.6	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	69.9	72.7	73.8	74.5	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 7000	71.3	74.5	75.5	76.2	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	72.0	75.4	76.6	77.1	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	74.8	78.0	79.1	79.9	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4500	75.4	79.1	80.1	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	75.9	79.8	80.9	81.6	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 3500	75.9	80.5	81.9	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	76.6	81.9	83.3	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	77.3	82.6	84.0	85.1	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	78.4	83.7	85.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	78.4	83.7	85.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	78.4	84.4	86.2	87.6	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	79.1	84.8	86.3	87.9	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	80.1	85.8	87.9	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 900	80.1	85.8	87.9	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 700	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 600	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 500	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 400	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 300	80.9	87.2	90.4	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	80.9	87.2	90.4	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	80.9	87.2	90.4	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0	80.9	87.2	90.4	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
07871

STATION NAME  
HEADPORT, SC

YEAR  
73-82

PERIOD  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
OBSERVATIONS  
32

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.2	62.4	63.5	63.7	63.9	63.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 20000	61.4	66.7	66.7	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
IVIV 18000	61.4	66.7	66.7	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
IVIV 16000	61.4	66.7	66.7	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
IVIV 14000	62.4	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IVIV 12000	63.5	67.7	68.4	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
IVIV 10000	66.7	70.9	71.6	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
IVIV 9000	66.7	71.6	72.0	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
IVIV 8000	70.9	76.2	77.3	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
IVIV 7000	70.9	77.3	78.4	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
IVIV 6000	70.9	77.3	78.4	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
IVIV 5000	71.6	77.3	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IVIV 4500	72.0	79.1	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IVIV 4000	73.1	80.5	81.6	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
IVIV 3500	73.8	81.2	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IVIV 3000	75.5	83.3	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IVIV 2500	75.9	84.4	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IVIV 2000	76.2	84.8	86.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IVIV 1800	76.2	84.8	86.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IVIV 1500	77.7	86.2	88.3	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVIV 1200	77.7	86.5	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IVIV 1000	77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVIV 900	77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVIV 800	77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IVIV 700	77.7	87.2	89.7	90.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IVIV 600	77.7	87.2	89.7	90.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IVIV 500	77.7	87.2	91.1	92.9	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVIV 400	77.7	87.6	92.2	94.3	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVIV 300	77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVIV 200	77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVIV 100	77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVIV 0	77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 322

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SFA/FORT, SC

STATION NAME

73-42

YEAR

MONTH

## 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	50.7	54.0	55.5	56.3	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	56.3	59.9	61.6	62.6	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000	56.8	60.2	61.8	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	56.8	60.2	61.5	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	57.1	60.7	62.4	63.4	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	57.5	61.6	63.3	64.5	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	58.5	64.9	66.8	68.1	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	58.7	65.1	67.0	68.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	64.2	69.2	71.2	72.6	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	64.2	70.3	72.3	73.8	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	65.2	71.7	72.8	74.3	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	66.0	71.4	73.9	75.4	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500	66.2	72.1	74.5	76.0	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	67.3	73.3	75.8	77.4	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	67.6	73.4	76.6	78.2	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	69.6	76.2	79.0	80.8	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 2500	70.4	77.2	80.4	82.2	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	71.3	78.6	81.9	83.7	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	71.5	78.8	82.1	84.2	84.5	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	72.4	80.1	83.6	86.7	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200	72.7	80.6	84.3	86.7	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	73.6	81.6	85.6	88.2	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 900	73.8	81.7	85.7	88.4	88.8	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	73.8	81.8	86.0	88.8	89.2	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	73.9	82.2	86.4	89.9	89.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 600	73.9	82.3	87.0	90.3	90.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 500	74.0	82.4	87.3	91.0	91.6	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	74.0	82.4	87.9	92.5	92.6	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 300	74.1	82.4	88.3	92.5	93.3	95.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	74.1	82.4	88.3	92.5	93.3	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	74.1	82.4	88.3	92.5	93.3	95.4	95.9	96.1	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 0	74.1	82.4	88.3	92.5	93.3	95.8	95.9	96.1	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
20341

STATION NAME  
BEAUFORT, SC

YEARS  
73-80

MONTH  
MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
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	≥ 3/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	51.0	56.8	58.1	59.7	59.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	58.4	64.8	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVIV 18000	56.4	64.8	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVIV 16000	53.4	64.8	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVIV 14000	58.7	64.8	65.5	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IVIV 12000	59.0	65.2	66.8	68.7	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IVIV 10000	59.0	65.8	67.1	69.0	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IVIV 9000	59.7	65.8	67.1	69.4	69.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IVIV 8000	62.4	69.4	71.0	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IVIV 7000	62.7	69.7	71.3	73.6	73.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IVIV 6000	62.4	69.7	71.3	73.9	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IVIV 5000	63.2	70.3	72.6	75.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IVIV 4500	64.2	71.3	73.6	76.5	76.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IVIV 4000	64.3	71.9	75.2	78.1	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IVIV 3500	69.8	77.3	78.8	78.7	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IVIV 3000	69.5	73.6	77.4	80.3	80.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IVIV 2500	66.1	74.5	78.4	81.3	81.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IVIV 2000	67.4	76.8	80.7	83.6	83.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IVIV 1800	67.4	76.8	80.7	83.6	83.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IVIV 1500	67.7	77.4	81.6	84.5	84.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IVIV 1200	67.7	77.7	81.9	84.8	84.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IVIV 1000	67.7	78.4	82.9	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIV 900	67.7	78.4	83.9	87.4	87.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVIV 800	68.1	78.7	84.2	87.7	88.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIV 700	68.7	79.7	85.5	89.0	89.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVIV 600	68.7	79.7	86.1	89.7	90.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVIV 500	69.0	80.0	86.8	90.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVIV 400	69.4	80.7	87.7	91.6	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVIV 300	69.4	80.7	87.7	91.9	93.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVIV 200	69.4	80.7	87.7	91.9	93.6	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVIV 100	69.4	80.7	87.7	91.9	93.6	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IVIV 0	69.4	80.7	87.7	91.9	93.6	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

73021  
STATION

ASHEVILLE, NC  
STATION NAME

73-42  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	40.7	47.1	57.3	57.9	53.9	54.8	54.8	54.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3
IV 18000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3
IV 16000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3
IV 14000	45.2	52.3	55.5	59.4	59.4	60.3	60.3	60.3	61.3	61.3	61.3	61.3	61.3	61.6	61.6	61.6
IV 12000	45.2	52.3	55.5	59.4	59.4	60.3	60.3	60.3	61.3	61.3	61.3	61.3	61.3	61.6	61.6	61.6
IV 10000	46.1	53.9	57.4	61.6	61.6	62.6	62.6	62.6	63.6	63.6	63.6	63.6	63.6	63.9	63.9	63.9
IV 9000	46.1	53.9	57.4	61.6	61.6	62.6	62.6	62.6	63.6	63.6	63.6	63.6	63.6	63.9	63.9	63.9
IV 8000	46.1	53.9	57.4	61.6	61.6	62.6	62.6	62.6	63.6	63.6	63.6	63.6	63.6	63.9	63.9	63.9
IV 7000	50.0	59.4	63.9	68.4	68.4	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0
IV 6000	50.0	59.4	63.9	68.4	68.4	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0
IV 5000	51.0	61.0	65.9	70.7	70.7	71.6	71.6	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9	72.9
IV 4500	52.3	62.6	67.4	72.3	72.6	73.9	73.9	73.9	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2
IV 4000	52.3	62.6	67.4	72.3	72.6	73.9	73.9	73.9	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2
IV 3500	52.3	63.6	68.4	73.2	73.6	74.8	74.8	74.8	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1
IV 3000	53.2	63.6	69.0	73.9	74.2	75.8	75.8	75.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1
IV 2500	53.6	64.8	71.0	74.8	75.2	76.8	76.8	76.8	77.7	77.7	77.7	77.7	78.1	78.1	78.1	78.1
IV 2000	54.2	64.8	71.0	74.8	76.1	78.1	78.1	78.1	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4
IV 1800	54.2	65.9	71.6	76.5	76.8	78.7	78.7	78.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0
IV 1500	54.2	67.1	73.9	78.7	79.0	81.3	81.3	81.3	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 1200	54.2	67.1	73.9	78.7	79.0	81.3	81.3	81.3	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 1000	55.2	67.7	75.2	80.7	80.7	82.9	82.9	82.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2
IV 900	55.2	67.7	75.2	80.7	81.0	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5
IV 800	55.2	67.7	75.2	80.7	81.0	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5
IV 700	55.2	67.7	75.2	80.7	81.0	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5
IV 600	55.2	67.7	75.2	80.7	81.0	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5
IV 500	57.1	70.7	79.7	85.2	85.5	88.4	88.4	88.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3
IV 400	57.1	71.0	81.0	86.8	87.1	90.7	90.7	90.7	92.6	92.6	92.6	92.6	93.2	93.2	93.2	93.2
IV 300	57.1	71.0	81.0	86.8	87.1	90.7	90.7	90.7	92.6	92.6	92.6	92.6	93.2	93.2	93.2	93.2
IV 200	57.1	71.0	81.0	86.8	87.1	90.7	90.7	90.7	92.6	92.6	92.6	92.6	93.2	93.2	93.2	93.2
IV 100	57.1	71.0	81.0	87.1	88.1	92.3	92.3	92.3	95.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1
IV 0	57.1	71.0	81.0	87.1	88.1	92.3	92.3	92.3	95.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
7701

STATION NAME  
SEAFORT, SC

YEARS  
73-74

MONTH  
MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING																
IV 20000		30.7	34.7	34.8	27.1	17.7	39.4	39.7	39.7	41.6	41.6	41.6	43.2	43.2	43.6	44.7
IV 18000		33.4	38.4	39.7	42.9	43.9	45.7	45.8	45.2	47.7	48.1	48.1	49.7	49.7	50.3	51.4
IV 16000		33.6	38.8	39.7	42.9	43.9	45.5	45.8	45.2	47.7	48.1	48.1	49.7	49.7	50.3	51.2
IV 14000		34.9	39.4	40.1	43.9	44.9	46.5	46.8	46.9	49.1	49.4	49.4	51.0	51.0	51.4	52.7
IV 12000		35.8	41.3	42.9	46.1	47.1	48.7	49.7	49.7	51.6	51.6	51.6	53.2	53.2	53.9	55.5
IV 10000		37.7	44.5	46.5	50.1	51.6	53.2	53.6	53.6	55.8	56.1	56.1	57.7	57.7	58.4	60.7
IV 9000		37.7	44.5	46.5	50.1	51.6	53.2	53.6	53.6	55.8	56.1	56.1	57.7	57.7	58.4	60.7
IV 8000		42.7	50.7	52.8	56.5	58.1	60.0	60.7	60.7	63.2	63.6	63.6	65.2	65.2	65.8	67.7
IV 7000		42.7	50.7	52.8	56.5	58.1	60.0	60.7	60.7	63.2	63.6	63.6	65.2	65.2	65.8	67.7
IV 6000		42.7	50.7	52.8	56.5	58.1	60.0	60.7	60.7	63.2	63.6	63.6	65.2	65.2	65.8	67.7
IV 5000		43.6	51.9	54.8	58.1	59.7	61.6	62.3	62.3	64.8	65.5	65.5	67.4	67.4	68.1	70.7
IV 4500		44.4	53.6	56.1	60.1	61.9	63.9	64.9	64.9	67.1	67.7	67.7	69.7	69.7	70.3	72.6
IV 4000		45.2	54.5	57.1	61.3	62.9	64.8	65.5	65.5	67.1	67.7	67.7	69.7	69.7	71.3	73.6
IV 3500		46.1	55.9	58.1	62.1	63.9	65.8	66.5	66.5	69.1	69.7	69.7	71.6	71.6	72.3	74.5
IV 3000		47.7	58.1	60.7	64.8	66.5	68.4	69.7	69.7	71.6	72.3	72.3	74.2	74.2	74.8	77.1
IV 2500		48.4	59.4	61.9	66.0	68.4	70.3	71.0	71.7	73.6	74.2	74.2	76.1	76.1	76.8	79.1
IV 2000		49.7	60.3	62.9	67.1	70.0	72.3	72.9	72.9	75.5	76.1	76.1	78.1	78.1	78.7	81.0
IV 1800		48.7	60.3	62.9	67.1	70.3	72.6	73.2	73.7	75.8	76.5	76.5	78.4	78.4	79.1	81.8
IV 1500		49.7	61.9	64.8	70.1	72.6	74.8	75.8	75.8	78.4	79.0	79.0	81.0	81.0	81.6	83.9
IV 1200		50.7	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 1000		50.1	62.9	66.5	72.3	74.9	76.8	77.7	77.7	80.3	81.0	81.0	82.9	82.9	83.6	85.9
IV 900		50.1	63.2	66.5	72.6	74.8	77.1	78.1	78.1	80.7	81.3	81.3	83.2	83.2	83.9	86.1
IV 800		50.7	63.9	67.1	73.3	75.9	77.7	78.7	78.7	81.3	81.9	81.9	83.9	83.9	84.5	86.8
IV 700		50.7	63.9	67.1	73.3	75.9	77.7	78.7	78.7	81.3	81.9	81.9	83.9	83.9	84.5	86.8
IV 600		50.3	64.2	68.4	74.5	77.1	80.0	81.0	81.0	83.6	84.2	84.2	86.5	86.5	87.1	89.4
IV 500		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	91.7
IV 400		51.3	65.2	69.7	76.2	79.4	83.2	84.2	84.2	87.1	88.1	88.1	90.7	90.7	91.3	93.6
IV 300		51.3	65.2	69.7	76.2	79.7	83.6	85.2	85.2	88.4	89.4	89.4	92.3	92.3	92.9	95.1
IV 200		51.3	65.2	69.7	76.2	79.7	83.6	85.2	85.2	88.7	89.7	89.7	92.9	92.9	93.6	95.8
IV 100		51.3	65.2	69.7	76.2	79.7	83.6	85.2	85.2	88.7	89.7	89.7	93.6	93.6	94.3	96.5
IV 0		51.3	65.2	69.7	76.2	79.7	83.6	85.2	85.2	88.7	89.7	89.7	93.6	93.6	94.3	96.5

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: READING, SC

75-57

YEAR: MONTH: DAY:

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	48.5	48.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 20000	51.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	52.3	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	55.7
IV 16000	52.3	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	55.7
IV 14000	52.6	56.1	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
IV 12000	53.2	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	57.4	57.4
IV 10000	57.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 9000	57.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	61.9	65.4	65.4	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 7000	61.9	65.4	65.4	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 6000	62.9	67.3	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	63.7	69.7	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	63.7	69.7	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 4000	66.1	71.9	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	72.9
IV 3500	66.1	71.9	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	72.9
IV 3000	69.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2500	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2000	71.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1800	71.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1200	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 900	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 800	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 700	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 600	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 500	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 400	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 300	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 200	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 100	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2

TOTAL NUMBER OF OBSERVATIONS 315

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

NOVEMBER

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

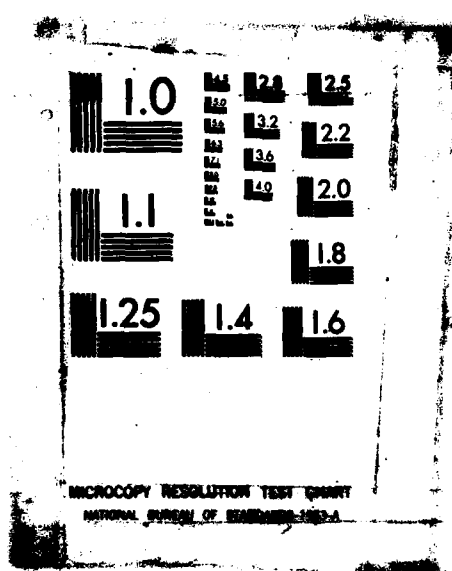
NOVEMBER

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.7	48.7	49.0	49.1	49.1	49.0	49.0	49.7	49.1	49.7	49.7	49.7	49.7	49.7	49.7
IV 20000	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS





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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
93301

STATION NAME  
BEAUFORT, SC

YEAR  
73-82

MONTH  
MAR

## 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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.7	49.0	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 20000	59.4	60.0	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
IV 18000	60.0	60.7	61.4	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 16000	60.0	60.7	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
IV 14000	61.3	61.9	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 12000	61.3	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 10000	64.8	66.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	64.8	66.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	67.4	68.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	68.7	69.7	71.0	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	69.7	70.7	71.9	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 5000	70.0	71.6	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
IV 4500	71.0	72.6	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4000	71.3	73.2	74.6	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	72.3	74.2	76.1	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 3000	73.6	74.6	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
IV 2500	76.4	82.3	85.5	86.1	86.1	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1
IV 2000	80.0	84.8	87.7	88.7	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	80.0	84.8	88.1	89.0	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	80.7	86.5	90.0	91.0	91.0	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	81.3	87.1	90.7	91.6	91.6	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	82.6	88.4	91.9	93.6	93.6	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8
IV 900	83.2	89.4	92.9	94.5	94.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	83.2	89.4	92.9	94.5	94.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	83.2	90.3	93.9	95.5	95.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	83.2	90.7	94.2	95.8	95.8	96.8	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	83.2	90.7	94.2	96.1	96.1	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	83.2	90.7	94.2	96.1	96.1	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	83.2	90.7	94.2	96.1	97.1	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	83.2	90.7	94.2	96.1	97.1	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	83.2	90.7	94.2	96.1	97.1	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	83.2	90.7	94.2	96.1	97.1	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93891  
STATION

CEA. FORT, SC  
STATION NAME

73-82  
YEARS

MAC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 3	≥ 2 1/2	≥ 2 1/4	≥ 2	≥ 1 3/4	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2
NO CEILING	48.2	49.2	49.6	50.2	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	49.2	62.1	62.8	63.2	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 18000	60.2	67.1	62.8	63.1	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 16000	60.2	62.1	62.8	63.1	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000	60.2	62.9	63.1	63.8	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	61.2	63.4	64.4	65.1	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	64.4	66.1	67.6	68.1	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	64.4	66.1	67.6	68.6	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 8000	68.7	71.2	72.5	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	68.6	71.8	73.5	74.4	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	69.6	72.8	74.4	75.4	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	71.2	74.4	76.1	77.4	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	71.5	74.8	76.4	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	72.5	76.1	77.7	79.0	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500	73.1	77.4	79.0	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 3000	77.0	81.6	83.5	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500	77.7	83.2	85.4	87.1	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	78.0	83.8	86.4	88.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	78.7	83.8	86.7	88.4	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500	78.7	84.9	87.7	90.1	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	78.6	84.8	88.4	91.6	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	79.3	85.8	89.6	91.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	79.3	86.1	90.0	92.2	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	79.6	86.4	90.3	92.9	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 700	79.6	87.1	91.3	93.9	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	79.9	87.4	91.9	94.5	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	79.9	87.4	91.9	94.8	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	79.9	87.7	92.2	95.2	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	79.9	87.7	92.2	95.2	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	79.9	87.7	92.2	95.2	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	79.9	87.7	92.2	95.2	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	79.9	87.7	92.2	95.2	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 109

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

73071  
STATION

BASE FORT, SC  
STATION NAME

73-52  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
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	54.4	58.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	61.0	60.8	66.5	67.4	67.7	67.7	67.7	67.7	67.7	68.2	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	61.0	64.8	66.5	67.4	67.7	67.7	67.7	67.7	67.7	68.2	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000	61.0	65.2	66.5	67.4	67.7	67.7	67.7	67.7	67.7	68.2	68.1	68.1	68.1	68.1	68.1	68.1
IV 12000	61.0	65.2	67.4	68.4	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 10000	64.0	69.7	70.7	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 9000	65.2	69.7	70.7	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 8000	69.7	74.2	75.8	77.1	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	70.7	74.2	76.5	77.7	78.1	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	71.9	75.8	77.1	79.7	79.0	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000	71.9	75.8	77.1	79.7	79.4	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	71.9	75.8	77.7	79.7	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	71.9	76.5	78.7	80.7	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	72.6	77.7	79.7	81.6	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	73.9	79.0	81.3	83.2	83.6	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	74.2	80.3	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	75.2	82.3	85.5	88.1	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	75.2	82.3	85.5	88.1	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	76.5	83.9	86.1	91.3	91.6	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	76.5	84.2	88.4	91.9	92.3	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	76.5	84.5	89.0	92.6	92.9	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	76.5	84.8	89.4	93.2	93.9	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	76.5	84.8	89.4	93.2	93.9	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	76.5	85.2	90.0	93.9	94.5	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	77.7	85.5	90.3	94.5	95.2	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	77.7	86.5	91.6	95.5	96.5	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	77.7	86.5	91.9	96.1	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	77.7	86.5	91.9	96.1	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	77.7	86.5	91.9	96.1	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	77.7	86.5	91.9	96.1	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	77.7	86.5	91.9	96.1	97.1	98.1	98.1	98.1	98.1	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

97831

ASHEVILLE, SC

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

## 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		45.7	48.7	49.7	50.7	51.1	51.6	51.6	51.6	52.3	52.7	52.8	52.2	52.2	52.3	52.4
IV 20000		53.2	56.7	57.9	59.3	59.8	60.1	60.1	60.1	60.5	60.6	60.6	60.6	60.6	60.9	61.1
IV 18000		53.3	56.9	58.1	59.4	59.7	60.2	60.2	60.2	60.6	60.7	60.7	60.7	60.9	60.9	61.2
IV 16000		53.3	55.9	58.1	59.4	59.7	60.2	60.2	60.2	60.6	60.7	60.7	60.7	60.9	61.0	61.2
IV 14000		54.0	57.6	58.8	60.2	60.4	61.0	61.0	61.0	61.4	61.5	61.5	61.7	61.7	61.8	62.0
IV 12000		54.7	59.4	59.8	61.2	61.5	62.0	62.0	62.0	62.5	62.5	62.5	62.8	62.8	62.9	63.1
IV 10000		56.9	61.1	62.5	64.0	64.3	64.8	64.9	64.9	65.3	65.4	65.4	65.6	65.6	65.6	65.9
IV 9000		57.0	61.2	62.7	64.3	64.5	65.1	65.1	65.1	65.6	65.6	65.6	65.8	65.8	65.9	66.2
IV 8000		60.3	65.7	67.3	68.9	69.3	70.0	70.0	70.0	70.5	70.6	70.6	70.8	70.8	70.9	71.1
IV 7000		61.3	66.2	68.0	69.6	70.0	70.7	72.8	72.8	71.2	71.3	71.3	71.3	71.6	71.7	72.0
IV 6000		61.7	66.4	68.3	70.3	70.7	71.3	71.4	71.4	71.9	72.0	72.0	72.3	72.3	72.3	72.6
IV 5000		62.4	67.8	69.7	71.6	72.0	72.6	72.7	72.7	73.2	73.3	73.3	73.5	73.5	73.6	73.9
IV 4500		63.5	69.9	70.9	72.9	73.3	74.0	74.1	74.1	74.6	74.7	74.7	75.0	75.0	75.0	75.3
IV 4000		64.3	69.7	71.9	73.9	74.3	75.0	75.1	75.1	75.6	75.6	75.6	75.9	75.9	76.0	76.3
IV 3500		64.9	70.7	72.9	75.0	75.4	76.1	76.2	76.2	76.6	76.7	76.7	77.0	77.0	77.1	77.4
IV 3000		67.2	73.3	76.2	78.3	78.7	79.4	79.6	79.6	80.1	80.2	80.2	80.4	80.4	80.5	80.8
IV 2500		68.4	75.3	78.1	80.2	80.7	81.5	81.7	81.7	82.2	82.3	82.3	82.5	82.5	82.6	82.9
IV 2000		69.1	76.9	79.8	82.1	82.6	83.5	83.7	83.7	84.2	84.3	84.3	84.6	84.6	84.6	84.9
IV 1800		69.1	77.0	80.0	82.3	82.6	83.7	83.9	83.9	84.4	84.5	84.5	84.8	84.8	84.8	85.1
IV 1600		70.2	78.5	82.0	84.6	85.1	86.2	86.3	86.3	86.9	86.9	86.9	87.2	87.2	87.3	87.6
IV 1200		70.4	79.0	82.6	85.4	85.9	87.0	87.2	87.2	87.7	87.8	87.8	88.1	88.1	88.1	88.4
IV 1000		71.3	82.2	84.2	87.1	87.7	89.3	89.2	89.2	89.7	89.8	89.8	90.0	90.0	90.1	90.4
IV 900		71.4	80.5	84.4	87.7	88.3	89.6	89.8	89.8	90.3	90.4	90.4	90.7	90.7	90.8	91.0
IV 800		71.4	80.7	84.9	88.2	88.9	90.2	90.4	90.4	90.9	91.0	91.0	91.3	91.3	91.4	91.7
IV 700		71.7	81.2	85.7	89.1	89.9	91.4	91.5	91.5	92.1	92.2	92.2	92.5	92.5	92.6	92.9
IV 600		71.9	81.6	86.0	89.8	90.7	92.3	92.5	92.5	93.1	93.2	93.2	93.5	93.5	93.6	93.9
IV 500		72.2	82.1	87.1	90.7	91.6	93.3	93.6	93.6	94.4	94.6	94.6	95.0	95.0	95.1	95.4
IV 400		72.3	82.3	87.5	91.3	92.4	94.8	95.3	95.3	96.1	96.3	96.3	96.7	96.7	96.8	97.2
IV 300		72.3	82.3	87.5	91.3	92.9	95.2	96.0	96.0	96.9	97.1	97.1	97.5	97.5	97.7	98.1
IV 200		72.3	82.3	87.5	91.3	93.0	95.3	96.1	96.1	97.2	97.3	97.3	98.1	98.1	98.3	98.8
IV 100		72.3	82.3	87.5	91.3	93.0	95.4	96.1	96.1	97.3	97.6	97.6	98.4	98.4	98.6	99.6
IV 0		72.3	82.3	87.5	91.3	93.0	95.4	96.1	96.1	97.3	97.6	97.6	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2872

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97831  
STATION

WFAIRFORT, SC  
STATION NAME

73-92  
YEARS

APP  
MONTHS

## PERCENTAGE 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	64.7	63.3	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	68.0	72.3	78.7	78.7	79.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 18000	68.0	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 16000	68.0	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 14000	68.0	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 12000	68.0	73.3	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	73.0	77.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	73.0	77.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	75.3	80.7	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	76.3	81.7	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 6000	76.7	82.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 5000	77.7	83.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	78.3	84.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4000	78.3	84.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	79.3	85.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	79.7	86.0	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	80.7	86.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	80.3	86.7	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	80.3	86.7	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	81.0	87.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	81.7	88.0	93.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	82.0	88.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	82.0	88.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	82.3	89.3	96.0	96.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	82.3	89.3	96.0	96.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93372

HEADFORT, SC

73-82

APD

STATION

STATION NAME

YEARS

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		58.0	64.7	67.7	68.7	68.7	69.0	69.0	69.0	69.3	69.3	69.3	70.0	70.0	77.3	73.3
IV 20000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
IV 18000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
IV 16000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
IV 14000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
IV 12000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
IV 10000		64.0	72.0	76.0	77.3	77.3	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	79.0	79.0
IV 9000		64.0	72.0	76.0	77.3	77.3	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	79.0	79.0
IV 8000		65.0	74.0	78.0	79.3	79.3	80.0	80.0	80.0	80.3	80.3	80.3	81.0	81.0	81.3	81.3
IV 7000		67.0	75.3	79.3	80.7	80.7	81.3	81.3	81.3	81.7	81.7	81.7	82.3	82.3	82.7	82.7
IV 6000		67.3	75.7	79.7	81.0	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.7	82.7	83.0	83.0
IV 5000		67.3	76.3	80.7	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.0	83.7	83.7	84.0	84.0
IV 4500		68.3	77.3	81.7	83.0	83.0	83.7	83.7	83.7	84.0	84.0	84.0	84.7	84.7	85.0	85.0
IV 4000		69.0	78.0	82.3	83.7	83.7	84.7	84.7	84.7	85.0	85.0	85.0	85.7	85.7	86.0	86.0
IV 3500		69.3	78.3	82.7	84.0	84.0	85.0	85.0	85.0	85.3	85.3	85.3	86.0	86.0	86.3	86.3
IV 3000		71.0	80.3	85.3	86.7	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.7	88.7	89.0	89.0
IV 2500		72.0	81.3	86.7	88.0	88.0	89.3	89.3	89.3	89.7	89.7	89.7	90.3	90.3	90.7	90.7
IV 2000		72.7	82.0	87.7	89.0	89.0	90.0	90.0	90.0	90.3	90.3	90.3	91.0	91.0	91.7	91.7
IV 1800		72.7	82.0	87.7	89.0	89.0	90.0	90.0	90.0	90.3	90.3	90.3	91.0	91.0	91.7	91.7
IV 1500		73.0	82.7	88.7	90.0	90.0	91.0	91.0	91.0	91.3	91.3	91.3	92.0	92.0	92.3	92.3
IV 1200		73.7	83.3	89.3	91.0	91.0	92.0	92.0	92.0	92.3	92.3	92.3	93.0	93.0	93.3	93.3
IV 1000		73.7	83.7	90.3	92.3	92.3	93.7	93.7	93.7	94.0	94.0	94.0	95.0	95.0	95.3	95.3
IV 900		73.7	84.0	90.7	92.7	92.7	94.0	94.0	94.0	94.3	94.3	94.3	95.3	95.3	95.7	95.7
IV 800		73.7	84.3	91.0	93.0	93.0	94.3	94.3	94.3	94.7	94.7	94.7	95.7	95.7	96.0	96.0
IV 700		73.7	84.7	91.3	93.3	93.3	94.7	94.7	94.7	95.0	95.0	95.0	96.0	96.0	96.7	96.7
IV 600		73.7	84.7	91.3	93.3	93.3	94.7	94.7	94.7	95.0	95.0	95.0	96.0	96.0	96.7	96.7
IV 500		73.7	84.7	91.3	93.3	93.3	94.7	94.7	94.7	95.0	95.0	95.0	96.0	96.0	96.7	96.7
IV 400		73.7	85.0	92.0	94.0	94.0	95.7	95.7	95.7	96.0	96.0	96.0	97.0	97.0	97.3	97.3
IV 300		73.7	85.0	92.0	94.0	94.0	95.7	95.7	95.7	96.0	96.0	96.0	97.0	97.0	97.3	97.3
IV 200		73.7	85.0	92.0	94.0	94.0	95.7	95.7	95.7	96.0	96.0	96.0	97.0	97.0	97.3	97.3
IV 100		73.7	85.0	92.0	94.0	94.0	95.7	95.7	95.7	96.0	96.0	96.0	97.0	97.0	97.3	97.3
IV 0		73.7	85.0	92.0	94.0	94.0	95.7	95.7	95.7	96.0	96.0	96.0	97.0	97.0	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 308

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97471

BEAUFORT, SC

73-82

APR

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE 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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	46.3	49.0	52.3	52.3	53.0	53.0	53.0	53.7	53.7	53.7	54.0	54.0	54.3	54.7
≥ 20000	49.3	57.0	60.3	64.3	64.3	65.3	65.3	65.3	66.0	66.0	66.0	66.3	66.3	66.7	67.3
IV 18000	49.7	57.3	60.7	64.7	64.7	65.7	65.7	65.7	66.3	66.3	66.3	66.7	66.7	67.0	67.3
IV 16000	49.7	57.3	60.7	64.7	64.7	65.7	65.7	65.7	66.3	66.3	66.3	66.7	66.7	67.0	67.3
IV 14000	50.0	57.7	61.0	65.0	65.0	66.0	66.0	66.0	66.7	66.7	66.7	67.0	67.0	67.3	67.7
IV 12000	50.3	58.0	61.7	65.7	65.7	66.7	66.7	66.7	67.3	67.3	67.3	67.7	67.7	68.0	68.3
IV 10000	54.7	62.7	67.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.7	73.7	74.0	74.3
IV 9000	55.0	63.0	67.3	71.7	71.7	73.0	73.0	73.0	73.7	73.7	73.7	74.0	74.0	74.3	74.7
IV 8000	58.7	67.0	71.3	75.7	75.7	77.0	77.0	77.0	77.7	77.7	77.7	78.0	78.0	78.3	79.0
IV 7000	59.7	68.0	72.7	77.0	77.0	78.3	78.3	78.3	79.0	79.0	79.0	79.3	79.3	79.7	80.3
IV 6000	60.3	69.0	73.7	78.0	78.0	79.3	79.3	79.3	80.0	80.0	80.0	80.3	80.3	80.7	81.3
IV 5000	61.7	69.7	74.3	79.0	79.0	80.3	80.3	80.3	81.0	81.0	81.0	81.3	81.3	81.7	82.3
IV 4500	61.0	67.7	74.7	79.3	79.3	80.7	80.7	80.7	81.3	81.3	81.3	81.7	81.7	82.0	82.7
IV 4000	61.7	70.3	75.7	80.3	80.7	82.0	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.3	84.0
IV 3500	62.0	70.7	76.0	80.7	81.0	82.3	82.3	82.3	83.0	83.0	83.0	83.3	83.3	83.7	84.3
IV 3000	63.0	72.7	78.0	82.7	83.0	84.3	84.3	84.3	85.0	85.0	85.0	85.3	85.3	85.7	86.3
IV 2500	65.0	74.7	80.0	84.7	85.0	86.3	86.3	86.3	87.0	87.0	87.0	87.3	87.3	87.7	88.3
IV 2000	65.0	74.7	80.0	84.7	85.0	86.3	86.3	86.3	87.0	87.0	87.0	87.3	87.3	87.7	88.3
IV 1800	65.0	74.7	80.3	85.0	85.3	86.7	86.7	86.7	87.3	87.3	87.3	87.7	87.7	88.0	88.7
IV 1500	65.7	75.7	81.7	86.3	86.7	88.0	88.3	88.3	89.0	89.0	89.0	89.3	89.3	89.7	90.3
IV 1200	66.0	76.3	82.3	87.3	87.7	89.0	89.3	89.3	90.0	90.0	90.0	90.3	90.3	90.7	91.3
IV 1000	66.7	77.0	83.3	88.7	89.0	91.0	91.3	91.3	92.0	92.0	92.0	92.3	92.3	92.7	93.7
IV 900	67.0	77.3	83.7	89.0	89.3	91.3	91.7	91.7	92.3	92.3	92.3	92.7	92.7	93.0	94.0
IV 800	67.0	77.3	83.7	89.3	89.3	91.7	92.0	92.0	92.7	92.7	92.7	93.0	93.3	93.7	94.7
IV 700	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	94.0	95.3
IV 600	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	94.0	95.7
IV 500	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	94.0	95.7
IV 400	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	94.0	95.7
IV 300	67.0	77.7	84.3	89.7	90.3	93.0	93.7	93.7	94.3	94.3	94.3	94.7	94.7	95.0	96.3
IV 200	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.3	96.7
IV 100	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.3	96.7
IV 0	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.3	96.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93833  
STATION

BEAUFORT, SC  
STATION NAME

73-92  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	≥ 0
NO CEILING		54.3	55.7	55.3	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 20000		64.3	65.7	67.0	67.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000		64.3	64.7	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 16000		65.7	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 14000		45.0	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	67.7
IV 12000		65.7	68.0	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 10000		68.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000		68.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000		71.0	71.7	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 7000		72.0	75.0	75.3	75.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000		72.0	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000		72.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500		73.3	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	76.7
IV 4000		75.0	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500		75.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000		79.7	81.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		82.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000		84.0	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	88.0
IV 1800		84.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500		86.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200		86.3	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000		88.0	94.0	94.7	95.7	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900		88.0	94.0	95.0	95.7	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800		88.0	94.0	95.0	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700		88.3	94.3	95.3	96.3	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600		88.3	94.3	95.3	97.0	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500		88.3	94.3	95.7	97.3	97.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		88.3	94.3	95.7	97.3	97.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		88.3	94.3	95.7	97.7	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		88.3	94.3	95.7	97.7	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		88.3	94.3	95.7	97.7	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		88.3	94.3	95.7	97.7	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
03851

STATION NAME  
DEAFORD, SC

YEAR  
73-80

MONTH  
APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	55.3	55.3	55.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 20000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 16000	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 14000	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	69.7	69.7	69.7
IV 12000	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	70.0	70.0	70.0
IV 10000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	72.7	73.3	73.3	73.3	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 7000	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4000	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	77.3	77.3	77.3
IV 3500	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	77.3	84.3	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	89.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	91.0	92.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	91.0	92.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	92.7	94.7	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	92.7	94.7	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	93.7	95.3	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	93.7	95.3	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	93.7	95.3	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	93.7	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	94.0	95.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	94.0	95.7	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
9777

STATION NAME  
RAIFORT, SF

YEAR  
73-72

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.3	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	57.3	68.7	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
≥ 18000	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	71.7	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	72.7
≥ 9000	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	75.7	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
≥ 6000	77.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	78.0	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	79.7
≥ 4500	78.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	80.7	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	82.7
≥ 3500	81.7	83.0	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	87.3	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	89.7
≥ 2500	88.3	90.3	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	90.0	92.0	93.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	90.0	92.0	93.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	92.3	94.3	95.3	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	92.3	95.3	96.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	92.3	95.3	96.3	97.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	92.3	95.3	96.3	97.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NO: 112001 STATION NAME: RCA FORT, SC YEAR: 75-77 MONTH: APR  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOUR (L.S.T.): 19

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	54.7	56.3	56.7	56.7	56.7	56.7	56.7	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	70.7	72.7	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	73.3
IV 18000	70.7	73.3	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 16000	71.0	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 14000	71.0	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 12000	72.0	75.7	76.0	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 10000	75.0	75.0	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	76.7
IV 9000	75.0	73.0	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	78.7
IV 8000	78.7	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	79.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	79.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	81.0	84.7	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	85.3
IV 4500	81.0	85.7	85.3	85.7	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 4000	82.0	86.3	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	87.0
IV 3500	83.3	87.0	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	87.7
IV 3000	84.0	89.0	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	85.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	86.3	91.3	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	86.3	91.7	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	87.0	92.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	87.0	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	87.0	93.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	87.3	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	87.7	94.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 75-77 MONTH: APR  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 00

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	75.0	73.7	73.7	74.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	75.0	73.7	73.7	74.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV IV	75.0	73.7	73.7	74.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
18000	75.0	73.7	73.7	74.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
16000	75.0	73.7	73.7	74.7	74.0	74.0	74.0	74.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
14000	76.0	79.7	79.7	80.7	80.0	80.0	80.0	80.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
12000	77.0	80.7	81.0	81.7	81.0	81.0	81.0	81.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
10000	76.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
9000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
8000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
7000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
6000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
5000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
4500	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
4000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
3500	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
3000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
2500	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
2000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1800	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1500	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1200	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1000	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
900	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
800	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
700	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
600	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
500	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
400	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
300	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
200	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
100	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
0	78.0	82.7	83.0	83.7	83.0	83.0	83.0	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23971  
STATION

SEA FORT, SC  
STATION NAME

71-12  
YEARS

APR  
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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING		56.5	56.4	65.6	61.2	61.2	61.3	61.3	61.7	51.9	61.9	61.9	61.6	61.6	61.7	61.7
IV 20000		55.7	62.2	70.7	71.4	71.4	71.5	71.6	71.0	71.8	71.8	71.8	71.9	71.9	72.0	72.0
IV 18000		66.0	69.9	71.0	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.7	72.7	72.9
IV 16000		66.3	69.6	71.1	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.4	72.5
IV 14000		66.3	69.9	71.4	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.7	72.7
IV 12000		67.3	70.9	72.3	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.6	73.6
IV 10000		69.5	73.4	75.0	75.8	75.8	76.1	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.5
IV 9000		69.6	73.5	75.1	75.9	75.9	76.2	76.2	76.2	76.3	76.3	76.3	76.5	76.5	76.5	76.6
IV 8000		72.1	75.8	78.2	79.0	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.7
IV 7000		73.4	77.8	79.5	80.3	80.3	80.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.9	81.0
IV 6000		73.6	78.2	79.9	80.7	80.7	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.4
IV 5000		74.4	79.0	80.8	81.7	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.3	82.3	82.3	82.4
IV 4500		75.0	79.4	81.5	82.3	82.3	82.6	82.6	82.6	82.8	82.8	82.8	82.9	82.9	83.0	83.2
IV 4000		76.0	80.7	82.7	83.5	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.3	84.4
IV 3500		76.6	81.3	83.3	84.1	84.2	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.9	85.0
IV 3000		79.0	84.2	86.3	87.3	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.1	88.2
IV 2500		80.8	86.5	88.3	89.3	89.4	89.8	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.3
IV 2000		81.5	87.1	89.6	90.6	90.6	91.2	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.7	91.8
IV 1800		81.5	87.2	89.7	90.7	90.7	91.3	91.4	91.4	91.6	91.6	91.6	91.7	91.7	91.8	91.9
IV 1500		82.6	88.6	91.5	92.6	92.6	93.3	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.9	94.0
IV 1200		83.1	89.2	92.1	93.4	93.6	94.2	94.3	94.3	94.5	94.5	94.5	94.7	94.7	94.8	94.8
IV 1000		83.7	90.0	93.2	94.8	95.0	95.8	95.9	96.0	96.2	96.2	96.2	96.4	96.4	96.5	96.6
IV 900		83.8	90.2	93.4	95.0	95.3	96.0	96.2	96.3	96.5	96.5	96.5	96.7	96.7	96.8	96.9
IV 800		83.8	90.4	93.6	95.3	95.5	96.1	96.3	96.6	96.9	96.9	96.9	97.1	97.1	97.2	97.3
IV 700		83.9	90.5	93.8	95.5	95.8	96.6	96.8	96.8	97.2	97.2	97.2	97.3	97.3	97.5	97.6
IV 600		83.9	90.5	93.9	95.7	96.0	97.0	97.3	97.3	97.6	97.6	97.6	97.8	97.8	98.0	98.1
IV 500		83.9	90.6	94.1	95.9	96.2	97.3	97.6	97.7	98.2	98.2	98.2	98.4	98.4	98.5	98.7
IV 400		83.9	90.7	94.3	96.0	96.4	97.5	97.9	97.9	98.5	98.5	98.5	98.8	98.8	98.9	99.1
IV 300		83.9	90.7	94.3	96.2	96.6	97.7	98.3	98.3	98.9	99.0	99.0	99.2	99.3	99.4	99.5
IV 200		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.3	99.4	99.5	99.7
IV 100		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.4	99.5	99.7	100.0
IV 0		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

43871  
STATION

REARFORT, SC  
STATION NAME

73-92  
YEAR

MAY  
MONTH

## 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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING		55.8	67.9	65.5	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
≥ 18000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
≥ 16000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
≥ 14000		62.3	70.0	72.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5
≥ 12000		62.3	70.0	72.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5
≥ 10000		64.8	73.2	75.8	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000		64.8	73.2	75.8	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		67.4	76.9	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9	81.9	82.3
≥ 7000		68.1	77.1	80.7	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6	82.9
≥ 6000		68.4	77.4	81.0	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	83.2
≥ 5000		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
≥ 4500		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
≥ 4000		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
≥ 3500		69.7	79.0	82.9	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8	84.8	85.2
≥ 3000		71.3	81.6	85.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7	88.1
≥ 2500		72.6	82.9	87.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	90.0
≥ 2000		73.9	84.2	88.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.6
≥ 1800		73.9	84.2	88.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.6
≥ 1500		74.2	85.5	90.3	91.9	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.6
≥ 1200		75.2	86.5	91.3	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.8
≥ 1000		75.2	87.7	92.6	94.2	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.5
≥ 900		75.2	87.7	92.6	94.2	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.5
≥ 800		75.2	88.1	92.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8
≥ 700		75.2	88.1	92.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8
≥ 600		75.2	88.1	92.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8
≥ 500		75.2	88.4	93.9	95.8	95.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.4
≥ 400		75.2	88.7	94.2	96.1	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.8
≥ 300		75.2	88.7	94.2	96.1	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.8
≥ 200		75.2	88.7	94.2	96.1	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.8
≥ 100		75.2	88.7	94.2	96.1	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.8
≥ 0		75.2	88.7	94.2	96.1	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

98331  
STATION

BEAUFORT, SC  
STATION NAME

73-87  
YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24  
HOURS (L O 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	42.3	55.5	62.6	66.1	66.8	67.7	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	69.2
≥ 2000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IVIV 18000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IVIV 16000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IVIV 14000	47.1	61.6	68.1	71.6	72.9	74.2	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.5
IVIV 12000	47.7	63.3	69.7	73.4	74.5	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.8	77.1
IVIV 10000	48.7	64.8	71.0	75.2	76.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.7
IVIV 9000	49.7	65.2	71.6	75.8	76.8	78.1	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.4
IVIV 8000	51.3	68.7	75.2	79.4	80.3	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9
IVIV 7000	51.9	69.7	75.8	80.0	81.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.6
IVIV 6000	51.9	69.0	75.8	80.0	81.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.6
IVIV 5000	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IVIV 4500	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IVIV 4000	52.4	70.0	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IVIV 3500	52.4	70.0	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IVIV 3000	52.4	71.0	78.1	82.9	83.9	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	87.1
IVIV 2500	53.2	71.0	79.0	83.9	84.8	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	88.1
IVIV 2000	53.9	72.9	80.3	85.5	86.5	88.4	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.4	89.7
IVIV 1800	53.9	72.9	80.3	85.5	86.5	88.4	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.4	89.7
IVIV 1500	54.8	73.6	81.6	86.8	87.7	89.7	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.3
IVIV 1200	54.8	73.6	81.6	87.1	88.1	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.6
IVIV 1000	55.2	75.8	84.2	89.7	90.7	92.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.9	94.2	94.5
IVIV 900	55.2	75.8	84.2	89.7	90.7	92.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.9	94.2	94.5
IVIV 800	55.2	76.8	85.8	91.3	92.3	94.2	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	96.1
IVIV 700	55.2	76.8	85.8	91.3	92.3	94.2	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.8	96.1
IVIV 600	55.2	76.8	86.1	91.6	92.6	94.5	94.8	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.5
IVIV 500	55.2	76.8	86.5	92.3	93.2	95.2	95.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	97.1
IVIV 400	55.2	76.8	87.1	92.9	93.9	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.7
IVIV 300	55.2	76.8	87.1	92.9	93.9	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.7
IVIV 200	55.2	76.8	87.1	92.9	93.9	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.7
IVIV 100	55.2	76.8	87.1	92.9	93.9	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.7
IVIV 0	55.2	76.8	87.1	92.9	93.9	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
57511

STATION NAME  
REARFOOT, SC

YEAR  
73-82

MONTH  
MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING		33.4	41.0	48.4	50.3	52.6	53.2	53.2	53.6	53.9	54.5	54.5	54.8	54.8	54.8	55.2
≥ 20000		40.3	45.4	57.7	60.0	62.3	62.9	62.9	63.2	63.9	64.5	64.5	64.8	64.8	64.8	65.2
IVIV 18000		41.0	50.0	58.4	67.7	62.9	63.6	63.6	63.9	64.5	65.2	65.2	65.5	65.5	65.5	65.8
IVIV 14000		41.0	50.0	58.4	67.7	62.9	63.6	63.6	63.9	64.5	65.2	65.2	65.5	65.5	65.5	65.8
IVIV 14000		41.0	50.0	58.7	61.0	63.2	63.9	63.9	64.2	64.8	65.5	65.5	65.8	65.8	65.8	66.1
IVIV 12000		43.2	52.3	61.0	63.2	65.5	66.1	66.1	66.5	67.1	67.7	67.7	68.1	68.1	68.1	68.4
IVIV 10000		45.2	54.8	64.5	63.1	70.3	71.0	71.0	71.3	71.9	72.6	72.6	72.9	72.9	72.9	73.2
IVIV 9000		43.2	55.2	64.8	68.4	70.7	71.3	71.3	71.6	72.3	72.9	72.9	73.2	73.2	73.2	73.6
IVIV 8000		44.7	59.4	69.0	72.6	74.8	75.5	75.5	75.8	76.5	77.1	77.1	77.4	77.4	77.4	78.1
IVIV 7000		49.4	60.7	70.7	74.2	76.5	77.1	77.1	77.4	78.1	78.7	78.7	79.0	79.0	79.0	79.7
IVIV 6000		49.4	60.7	70.7	74.2	76.5	77.4	77.4	77.7	78.4	79.0	79.0	79.4	79.4	79.4	80.0
IVIV 5000		49.7	61.0	71.0	74.8	77.4	78.1	78.1	78.4	79.0	79.7	79.7	80.0	80.0	80.0	80.7
IVIV 4500		50.3	61.9	71.9	75.8	78.4	79.4	79.4	79.7	80.3	81.0	81.0	81.3	81.3	81.3	81.9
IVIV 4000		50.7	62.4	72.6	76.5	79.0	80.0	80.0	80.3	81.0	81.6	81.6	81.9	81.9	81.9	82.6
IVIV 3500		51.3	62.9	72.9	76.8	79.4	80.3	80.3	80.7	81.3	81.9	81.9	82.3	82.3	82.3	82.9
IVIV 3000		52.9	65.2	75.2	79.4	82.3	83.2	83.2	83.6	84.2	84.8	84.8	85.2	85.2	85.2	85.8
IVIV 2500		52.4	64.2	75.8	80.0	83.2	84.2	84.2	84.5	85.2	85.8	85.8	86.1	86.1	86.1	86.8
IVIV 2000		53.2	65.8	76.8	81.0	84.2	85.2	85.2	85.5	86.1	87.1	87.1	87.4	87.4	87.4	88.1
IVIV 1800		53.2	65.2	76.8	81.0	84.2	85.2	85.2	85.5	86.1	87.1	87.1	87.4	87.4	87.4	88.1
IVIV 1500		55.2	68.1	79.4	83.9	87.1	88.1	88.1	88.4	89.0	89.7	89.7	90.0	90.0	90.0	90.7
IVIV 1200		55.2	68.1	79.4	83.9	87.1	88.1	88.1	88.4	89.0	89.7	89.7	90.0	90.0	90.0	90.7
IVIV 1000		56.8	70.0	81.3	86.1	89.7	90.7	90.7	91.0	91.6	92.9	92.9	93.2	93.2	93.2	93.9
IVIV 900		57.1	70.7	82.3	87.4	91.0	91.9	91.9	92.3	92.9	94.2	94.2	94.5	94.5	94.5	95.2
IVIV 800		57.4	71.0	83.2	88.4	91.9	92.9	92.9	93.2	93.9	95.2	95.2	95.5	95.5	95.5	96.1
IVIV 700		57.4	71.0	83.2	88.4	92.3	93.2	93.2	93.6	94.2	95.5	95.5	95.8	95.8	95.8	96.5
IVIV 600		57.7	71.6	84.2	89.7	93.9	94.8	94.8	95.2	95.8	97.1	97.1	97.4	97.4	97.4	98.1
IVIV 500		57.7	71.6	84.2	89.7	93.9	94.8	94.8	95.2	95.8	97.1	97.1	97.4	97.4	97.4	98.1
IVIV 400		57.7	71.6	84.2	89.7	93.9	94.8	94.8	95.2	95.8	97.1	97.1	97.4	97.4	97.4	98.1
IVIV 300		57.7	71.6	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	99.7
IVIV 200		57.7	71.6	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	99.0
IVIV 100		57.7	71.6	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	99.0
IVIV 0		57.7	71.6	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
57371

STATION NAME  
BRANFORD, SC

YEAR  
73-77

MONTH  
10

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.1	45.1	46.8	46.9	46.8	46.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000		52.9	55.8	56.1	56.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IVM 18000		53.2	55.8	56.5	56.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IVM 16000		53.2	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IVM 14000		53.9	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	57.4
IVM 12000		58.5	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVM 10000		58.4	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
IVM 9000		48.4	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
IVM 8000		63.2	66.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVM 7000		63.2	66.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVM 6000		63.2	66.8	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IVM 5000		63.2	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IVM 4500		64.8	67.7	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVM 4000		65.5	68.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IVM 3500		65.5	68.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IVM 3000		70.3	74.2	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
IVM 2500		74.7	79.0	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
IVM 2000		77.1	82.3	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVM 1800		77.4	82.3	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IVM 1500		81.0	87.4	89.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVM 1200		81.0	88.4	90.3	90.7	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVM 1000		84.2	91.1	93.2	93.9	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVM 900		84.5	91.9	93.4	94.5	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVM 800		84.5	92.4	94.8	95.5	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVM 700		85.2	93.6	95.8	97.1	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 600		85.2	93.6	96.1	97.4	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVM 500		85.2	93.6	96.5	97.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 400		85.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 300		85.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 200		85.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 100		85.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVM 0		85.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DEANSPORT, SC

STATION NAME

73-72

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
MONTHS (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		35.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IVIV 18000	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IVIV 16000	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IVIV 14000	48.0	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	51.0	51.0
IVIV 12000	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IVIV 10000	52.0	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	55.0	55.0
IVIV 9000	52.0	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	55.0	55.0
IVIV 8000	56.0	59.0	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
IVIV 7000	56.0	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	60.0
IVIV 6000	57.0	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	60.0
IVIV 5000	58.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IVIV 4500	59.0	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	62.0
IVIV 4000	60.0	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	63.0	63.0
IVIV 3500	61.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IVIV 3000	66.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IVIV 2500	75.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IVIV 2000	81.0	89.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 1800	81.0	89.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 1500	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 1200	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 1000	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 900	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 800	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 700	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 600	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 500	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 400	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 300	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 200	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 100	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVIV 0	86.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
03671

STATION NAME  
HEALFOOT, SC

YEARS  
73-82

MONTH  
MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
ROUND TO 0.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.0	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
IV 20000	55.0	59.0	52.0	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 18000	56.0	58.0	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 14000	56.0	58.0	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 12000	59.0	61.0	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000	62.0	65.0	65.0	65.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 9000	62.0	65.0	65.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	67.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	68.0	71.0	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
IV 6000	68.0	71.0	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
IV 5000	69.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500	69.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4000	71.0	75.0	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
IV 3500	72.0	76.0	77.0	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3000	77.0	81.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	81.0	85.0	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	84.0	90.0	91.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	84.0	91.0	91.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	87.0	94.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	88.0	95.0	96.0	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	88.0	95.0	96.0	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	88.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97831  
STATION

REARFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
MOVES (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	44.2	47.1	48.3	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	62.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000	62.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	62.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	62.1	67.4	67.4	67.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 12000	69.2	68.7	69.2	69.2	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	66.8	72.6	72.6	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 9000	67.1	73.2	73.2	73.2	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	71.4	78.4	78.4	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	72.1	79.0	79.0	79.7	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 6000	72.1	79.0	79.0	79.7	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 5000	73.2	80.3	80.3	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	73.2	80.3	80.3	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	73.2	80.3	80.3	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	74.5	81.9	82.4	82.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3000	79.7	88.4	89.4	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	80.7	89.7	90.7	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	81.6	91.0	91.6	92.0	92.0	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	81.6	91.0	91.6	92.0	92.0	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	82.9	93.2	94.2	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	83.6	94.2	95.2	96.1	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	84.2	95.2	96.2	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97471  
STATION

NFA FORT, SC  
STATION NAME

73-87  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING		57.1	64.3	65.8	63.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000		55.2	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 18000		65.8	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000		65.8	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000		66.1	74.2	76.1	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 12000		67.1	75.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 10000		69.2	78.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 9000		69.2	78.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 8000		72.4	82.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 7000		73.4	82.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 6000		73.4	83.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 5000		73.4	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4500		74.2	84.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 4000		74.2	84.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500		75.2	86.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3000		76.4	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500		77.1	89.7	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000		78.2	90.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800		78.2	90.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500		80.0	92.4	95.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200		80.7	92.4	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000		80.0	93.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900		80.0	93.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800		80.0	93.2	96.8	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700		80.5	93.2	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		80.5	93.2	97.1	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		80.5	93.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		80.5	93.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		80.5	93.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		80.5	93.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		80.5	93.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMS0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

9304  
STATION

BEA, FORT, SC  
STATION NAME

73-42  
YEARS

NAV  
ROUTE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L & D)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	50.3	52.7	53.6	56.0	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.6
IV 20000	54.3	60.6	63.2	64.1	68.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 18000	54.5	61.2	63.8	64.7	69.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 16000	54.5	61.2	63.8	64.7	69.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 14000	54.8	61.2	63.8	64.8	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 12000	58.2	62.6	65.3	66.3	70.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 10000	58.6	65.7	68.6	69.6	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 9000	58.7	66.0	68.9	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
IV 8000	62.4	70.2	73.3	74.4	74.8	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 7000	62.9	70.3	74.0	75.2	76.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	63.8	71.0	74.1	75.3	75.8	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	63.8	71.9	74.0	76.2	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	64.2	72.4	75.5	76.7	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	64.8	73.1	76.3	77.5	78.0	78.5	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500	65.3	73.8	77.0	78.2	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 3000	69.4	77.9	81.5	83.7	83.9	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2500	71.0	80.6	84.3	85.6	86.4	87.0	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2000	73.0	83.3	87.3	88.9	89.9	90.1	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	73.1	83.4	87.3	89.0	89.6	90.2	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	75.3	84.3	90.4	92.1	92.7	93.4	93.4	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	75.6	86.7	90.9	92.7	93.1	94.2	94.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1000	76.3	88.0	92.4	94.3	94.9	95.8	95.9	95.9	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4
IV 900	76.3	88.2	92.4	94.3	94.9	95.8	95.9	95.9	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4
IV 800	76.4	88.3	92.2	95.1	95.9	96.7	96.8	96.8	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	76.5	88.7	93.4	95.3	96.1	97.2	97.3	97.3	97.5	97.7	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	76.5	88.7	93.6	95.7	96.3	97.4	97.5	97.5	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2
IV 500	76.6	89.4	94.0	96.2	97.0	98.0	98.1	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8
IV 400	76.7	89.0	94.2	96.4	97.2	98.2	98.3	98.3	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 300	76.7	89.0	94.2	96.4	97.3	98.3	98.4	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	76.7	89.0	94.2	96.4	97.3	98.3	98.4	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	76.7	89.0	94.2	96.4	97.3	98.3	98.4	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	76.7	89.0	94.2	96.4	97.3	98.3	98.4	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 7480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
07834

STATION NAME  
REDFORT, SC

YEARS  
73-82

MONTH  
JUL

## 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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.3	33.3	61.7	63.0	63.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 20000	47.7	64.3	64.3	69.3	69.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	49.7	64.7	68.0	69.3	69.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000	49.7	64.0	68.0	69.3	69.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 14000	50.0	64.3	68.3	69.7	69.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	50.7	65.3	69.3	71.0	71.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	51.3	66.7	71.3	73.0	73.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 9000	51.3	67.0	71.7	73.3	73.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	53.3	74.0	79.3	81.0	81.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	55.7	74.3	79.7	81.3	81.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 6000	56.3	75.0	80.3	82.0	82.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	56.7	75.3	81.0	82.7	82.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	57.0	75.7	81.3	83.0	83.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	57.0	76.3	82.0	83.7	83.7	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	57.0	77.0	82.7	84.3	84.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	58.3	77.0	83.3	85.3	85.3	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	58.3	79.3	85.7	87.7	87.7	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	59.3	81.3	88.0	90.3	90.3	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	59.3	81.3	88.0	90.3	90.3	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	60.7	83.7	90.7	93.3	93.3	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	60.7	84.0	91.0	94.0	94.0	95.7	95.7	95.7	96.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	62.0	86.0	93.3	96.3	96.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	62.0	86.0	93.3	96.3	96.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	62.0	86.3	93.7	96.7	96.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	62.0	86.3	93.7	96.7	96.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	62.3	86.7	94.0	97.0	97.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.7	55.3	60.3	64.7	65.3	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 20000	41.7	59.0	67.0	71.7	72.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	41.7	59.0	67.0	71.7	72.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	41.7	59.0	67.0	71.7	72.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	41.7	59.0	67.0	71.7	72.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	42.0	59.0	67.0	72.0	73.0	74.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	43.0	63.0	71.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	43.0	63.0	72.0	77.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000	44.0	67.0	77.0	82.0	83.0	84.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 7000	44.0	67.0	77.0	83.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 6000	44.0	69.0	78.0	83.0	84.0	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	43.0	69.0	78.0	83.0	84.0	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	49.0	70.0	78.0	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	49.0	70.0	79.0	84.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	49.0	70.0	79.0	84.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	49.0	71.0	79.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	49.0	71.0	80.0	86.0	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	50.0	73.0	83.0	88.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	50.0	73.0	83.0	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	51.0	75.0	85.0	91.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	51.0	75.0	85.0	91.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	51.0	75.0	86.0	92.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	51.0	75.0	86.0	92.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	51.0	75.0	86.0	92.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	51.0	75.0	87.0	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	51.0	75.0	87.0	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	51.0	76.0	87.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	51.0	76.0	87.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	51.0	76.0	88.0	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	51.0	76.0	88.0	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100	51.0	76.0	88.0	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	51.0	76.0	88.0	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97801  
STATION

HTA FORT, SC  
STATION NAME

75-70  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
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	≥ 5/16	≥ 1/4	≥ 0	
NO CEILING	71.7	43.7	51.3	51.3	51.7	52.7	53.0	53.0	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7
≥ 20000	36.7	51.3	53.3	59.7	60.0	61.0	61.3	61.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7
IV 18000	36.7	51.3	53.3	59.7	60.0	61.0	61.3	61.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7
IV 14000	36.7	51.3	53.3	59.7	60.0	61.0	61.3	61.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7
IV 12000	37.0	51.7	53.3	59.7	60.0	61.3	61.7	61.7	62.3	62.3	62.3	62.3	63.0	63.0	63.0	63.0
IV 10000	36.0	52.0	53.0	61.0	61.0	61.7	62.7	63.0	63.0	63.0	63.0	63.0	63.7	64.3	64.7	64.7
IV 9000	41.3	57.3	55.3	66.7	67.0	68.0	68.3	68.3	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0
IV 8000	42.7	58.7	67.0	68.3	68.7	69.7	70.0	70.0	70.0	70.7	70.7	70.7	71.3	71.7	71.7	71.7
IV 7000	48.3	65.7	74.7	76.3	77.3	78.7	79.0	79.7	79.7	79.7	79.7	79.7	80.3	80.7	80.7	80.7
IV 6000	50.3	67.7	77.0	77.7	80.0	81.7	82.0	82.0	82.7	82.7	82.7	82.7	83.3	83.7	83.7	83.7
IV 5000	51.3	68.7	74.0	79.7	81.0	82.7	83.0	83.0	83.7	83.7	83.7	83.7	84.3	84.7	84.7	84.7
IV 4500	51.3	68.7	78.3	80.3	81.7	83.3	83.7	83.7	84.3	84.3	84.3	84.3	85.0	85.3	85.3	85.3
IV 4000	52.3	69.7	79.0	81.3	82.7	84.3	84.7	84.7	85.3	85.3	85.3	85.3	85.0	86.3	86.3	86.3
IV 3500	52.3	70.3	80.0	82.3	83.7	85.7	86.0	86.3	86.7	86.7	86.7	86.7	87.3	87.7	87.7	87.7
IV 3000	52.7	71.0	81.0	83.3	84.7	86.7	87.3	87.0	87.7	87.7	87.7	87.7	88.3	88.7	88.7	88.7
IV 2500	53.0	71.3	81.3	84.0	85.3	87.3	87.7	87.7	88.3	88.3	88.3	88.3	89.0	89.3	89.3	89.3
IV 2000	53.7	72.0	82.3	85.0	86.3	88.3	88.7	88.7	89.3	89.3	89.3	89.3	90.0	90.3	90.3	90.3
IV 1800	54.0	72.3	82.7	85.3	86.7	88.7	89.0	89.7	89.7	89.7	89.7	89.7	90.3	90.7	90.7	90.7
IV 1500	54.7	73.7	84.0	87.0	88.3	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.7	93.0	93.0	93.0
IV 1200	54.7	73.7	84.0	87.0	88.3	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.7	93.0	93.0	93.0
IV 1000	55.3	74.7	85.0	88.3	89.7	92.0	93.0	93.0	94.0	94.0	94.0	94.0	94.7	95.0	95.0	95.0
IV 900	55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
IV 800	55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
IV 700	55.7	75.0	85.7	89.3	90.7	93.3	94.3	94.3	95.7	95.7	95.7	95.7	96.3	96.7	96.7	96.7
IV 600	56.3	75.3	86.3	90.7	91.3	94.0	95.0	95.0	96.3	96.3	96.3	96.3	97.0	97.3	97.3	97.3
IV 500	56.3	75.3	86.3	90.7	91.7	94.3	95.3	95.3	96.7	96.7	96.7	96.7	97.3	97.7	97.7	97.7
IV 400	56.3	75.3	86.7	90.7	92.3	95.0	96.0	96.0	97.3	97.3	97.3	97.3	98.0	98.3	98.3	98.3
IV 300	56.7	76.0	87.0	91.3	93.3	96.0	97.0	97.0	98.3	98.3	98.3	98.3	99.0	99.3	99.3	99.3
IV 200	56.7	76.0	87.0	91.7	93.7	96.3	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7
IV 100	56.7	76.0	87.0	91.7	93.7	96.3	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.7	99.7	99.7
0	56.7	76.0	87.0	91.7	93.7	96.3	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFOOT, SC

STATION NAME

73-1

YEARS

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	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	47.7	48.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	47.7	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IVIV 18000	47.7	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IVIV 16000	47.7	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IVIV 14000	49.0	57.0	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
IVIV 12000	50.3	54.7	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
IVIV 10000	54.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IVIV 9000	54.0	53.7	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
IVIV 8000	58.7	64.7	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
IVIV 7000	59.7	64.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVIV 6000	59.7	64.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVIV 5000	60.7	65.7	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
IVIV 4500	63.7	65.7	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
IVIV 4000	61.7	65.7	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
IVIV 3500	62.7	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
IVIV 3000	65.7	72.7	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IVIV 2500	64.7	75.7	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
IVIV 2000	75.7	83.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIV 1800	75.7	83.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIV 1500	75.7	87.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVIV 1200	79.7	88.7	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVIV 1000	81.7	91.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVIV 900	82.7	91.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVIV 800	82.7	91.7	95.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVIV 700	82.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 600	82.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 500	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 400	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 300	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 200	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 100	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVIV 0	83.7	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
27991

STATION NAME  
SEA FORT, SC

YEARS  
75-76

YEARS

MONTH  
JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L & D)

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		33.0	36.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 20000		42.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000		42.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000		42.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 14000		42.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000		44.0	46.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 10000		46.0	50.0	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 9000		46.0	51.0	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 8000		50.0	54.0	57.0	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 7000		51.0	56.0	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 6000		51.0	56.0	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 5000		51.0	57.0	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 4500		52.0	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
IV 4000		53.0	58.0	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 3500		56.0	62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 3000		65.0	71.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500		72.0	77.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000		76.0	84.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800		77.0	85.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500		79.0	87.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200		81.0	89.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000		82.0	91.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900		83.0	91.0	96.0	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800		83.0	92.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700		83.0	92.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600		83.0	92.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0		83.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

1977  
STATION

BEAUFORT, SC  
STATION NAME

73-92  
YEARS

MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	78.3	41.7	47.0	47.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 20000	70.3	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 18000	50.3	53.7	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 16000	50.3	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 14000	50.3	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	57.0	57.0
IV 12000	51.3	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 10000	58.0	60.7	61.7	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 9000	58.0	60.7	61.7	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 8000	58.0	64.7	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
IV 7000	58.0	65.7	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	67.0
IV 6000	59.0	65.0	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 5000	59.0	65.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	59.0	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4000	59.0	66.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 3500	42.0	70.0	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	72.0
IV 3000	49.0	78.0	81.0	81.0	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 2500	74.0	84.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	77.0	87.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	77.0	87.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	78.0	90.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	79.0	90.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	80.0	91.0	95.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

73873  
STATION

SEAFONT, SC  
STATION NAME

73-27  
YEAR

JUN  
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	≥ 5/16	¾	≥ 0
NO CEILING		37.7	41.7	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
IV 20000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000		52.3	57.0	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000		58.7	59.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000		59.3	64.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000		59.3	65.0	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000		67.3	74.0	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000		68.0	75.3	78.3	78.3	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000		69.0	76.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000		69.7	77.3	80.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500		69.7	77.3	80.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000		71.7	79.3	82.3	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500		72.0	79.7	82.7	83.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000		76.3	85.0	88.0	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500		79.0	87.0	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000		78.7	88.3	91.7	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800		78.7	88.3	91.7	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500		90.7	90.3	93.7	94.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		91.3	91.3	94.7	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000		92.3	93.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900		92.3	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800		92.3	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 101

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: BEAUFORT, SC

YEARS: 73-82

MONTHS: 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): 22

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.7	55.7	62.7	63.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 20000	55.7	66.7	70.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	55.7	66.7	70.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	55.7	66.7	70.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	56.0	67.0	70.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	57.7	68.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 10000	60.0	71.0	73.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	60.0	71.0	73.3	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	65.3	78.7	84.0	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
IV 7000	56.0	79.3	84.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000	46.3	79.7	85.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	46.3	79.7	85.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	56.7	80.0	85.3	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	67.7	81.0	86.3	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500	68.3	82.0	87.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3000	69.3	83.3	89.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	70.3	85.0	91.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	70.7	86.7	92.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	70.7	86.7	92.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	70.7	86.7	92.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	71.0	87.0	94.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	72.0	89.7	95.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	72.0	89.7	95.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	72.0	89.7	95.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FORT, SC

STATION NAME

73-10

YEAR

JUN

MONTH

## 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	≥ 1/16	≥ 0	≥ 0
NO CEILING	49.4	47.2	50.3	51.3	51.4	51.9	51.9	51.9	51.9	52.1	52.0	52.0	52.1	52.1	52.1	52.1
IV 20000	47.0	56.1	59.8	60.8	61.0	61.9	61.9	61.9	61.9	61.7	61.7	61.7	61.8	61.8	61.8	61.8
IV 18000	47.0	56.2	59.8	60.9	61.0	61.9	61.6	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 16000	47.0	56.2	59.8	60.9	61.0	61.9	61.6	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 14000	47.0	56.6	60.2	61.3	61.9	62.7	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3
IV 12000	48.4	58.1	61.8	62.9	63.0	63.6	63.6	63.6	63.6	63.8	63.8	63.9	63.9	64.0	64.0	64.0
IV 10000	51.9	61.6	65.3	66.4	66.9	67.4	67.5	67.5	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8
IV 9000	51.1	62.7	66.0	67.2	67.3	67.8	67.9	67.9	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2
IV 8000	56.4	69.3	72.7	74.0	74.3	74.8	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2
IV 7000	57.3	69.1	73.7	75.0	75.3	75.9	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2
IV 6000	57.6	69.3	74.1	75.4	75.7	76.3	76.4	76.4	76.5	76.5	76.5	76.7	76.7	76.7	76.7	76.7
IV 5000	57.9	69.8	74.5	75.9	76.2	76.8	76.9	76.9	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2
IV 4500	59.1	70.1	74.8	76.1	76.4	77.1	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4
IV 4000	59.9	71.7	75.8	77.2	77.5	78.3	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
IV 3500	59.0	72.3	77.4	78.8	79.2	79.9	80.0	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3
IV 3000	63.2	76.1	81.7	83.1	83.6	84.3	84.4	84.4	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7
IV 2500	65.3	79.1	84.6	86.0	86.7	87.5	87.5	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
IV 2000	67.8	82.0	87.9	89.3	90.1	90.9	91.0	91.0	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3
IV 1800	67.9	82.1	88.0	89.4	90.3	91.1	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4
IV 1500	69.4	84.1	90.6	92.0	93.1	94.0	94.0	94.1	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5
IV 1200	69.9	85.0	91.3	93.0	94.0	94.8	94.8	94.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3
IV 1000	71.0	86.4	92.8	95.1	95.8	96.8	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
IV 900	71.0	86.5	93.0	95.3	96.0	97.1	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6
IV 800	71.1	86.5	93.2	95.7	96.2	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 700	71.3	86.8	93.5	96.1	96.6	97.7	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
IV 600	71.4	87.0	93.6	96.3	96.8	97.9	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
IV 500	71.4	87.1	93.8	96.5	97.0	98.3	98.5	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
IV 400	71.5	87.2	93.9	96.7	97.2	98.5	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 300	71.5	87.2	94.0	96.8	97.3	98.7	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 200	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 100	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 0	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY I.C. & F.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.5	44.5	42.6	44.5	44.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	49.5	63.5	72.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
18000	49.5	63.5	72.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
16000	49.5	63.5	72.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
14000	47.5	63.5	72.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
12000	49.5	63.5	72.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
10000	53.5	67.5	78.5	81.5	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
9000	53.5	67.5	78.5	81.5	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
8000	57.5	73.5	82.5	85.5	85.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
7000	57.5	73.5	82.5	85.5	85.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
6000	55.5	74.5	83.5	86.5	86.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
5000	55.5	74.5	83.5	86.5	86.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
4500	59.5	75.5	85.5	88.5	88.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
4000	59.5	75.5	85.5	88.5	88.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
3500	59.5	76.5	86.5	89.5	89.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
3000	60.5	77.5	87.5	91.5	91.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2500	61.5	77.5	89.5	93.5	93.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2000	61.5	77.5	90.5	94.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1800	61.5	78.5	90.5	94.5	94.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1500	61.5	79.5	91.5	96.5	96.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1200	61.5	80.5	92.5	96.5	96.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1000	61.5	80.5	93.5	97.5	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
900	61.5	80.5	93.5	97.5	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
800	61.5	80.5	93.5	97.5	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	61.5	80.5	93.5	97.5	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
600	61.5	80.5	93.5	97.5	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
500	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	61.5	80.5	93.5	98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93031  
STATION

SEA SORT, SC  
STATION NAME

73-02  
YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING		19.4	57.1	64.5	71.9	71.9	72.4	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000		43.6	62.9	70.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000		43.6	62.9	70.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 16000		43.6	62.9	70.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 14000		43.6	62.9	70.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 12000		44.2	64.2	71.9	81.0	81.0	81.9	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000		44.8	65.5	73.6	82.9	82.9	83.9	84.2	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000		45.5	66.2	74.2	83.6	83.6	84.5	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000		47.4	69.7	76.8	86.5	86.5	87.4	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 7000		47.7	69.0	77.1	86.8	86.8	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000		47.7	69.0	77.1	86.8	86.8	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 5000		48.0	69.4	77.4	87.4	87.4	88.4	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500		48.4	69.7	77.7	87.7	87.7	88.7	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000		49.0	70.3	78.4	88.4	88.4	89.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500		49.0	70.3	78.4	88.4	88.4	89.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000		50.7	71.9	81.3	91.3	91.3	92.3	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500		51.9	73.6	83.2	93.6	93.6	94.5	94.8	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000		51.9	73.6	83.2	94.8	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800		51.9	73.6	83.2	94.8	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1500		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0		52.3	74.2	84.5	95.5	95.5	96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97351  
STATION

ASHEVILLE, NC  
STATION NAME

73-62  
YEAR

YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING	74.2	36.8	44.5	50.3	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	30.7	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	30.7	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	30.7	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000	30.7	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	32.6	48.4	57.1	63.5	66.1	67.4	68.1	68.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 10000	35.5	52.9	61.4	69.0	71.3	72.6	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	35.5	52.9	61.4	69.0	71.3	72.6	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	39.4	59.7	69.7	76.8	79.0	80.7	81.6	81.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 7000	42.0	60.1	70.3	77.4	79.7	81.3	82.3	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 6000	47.0	67.7	73.7	77.7	80.0	81.6	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	41.7	61.9	71.9	79.0	81.6	83.2	84.2	84.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4500	41.0	61.9	71.9	79.0	81.6	83.2	84.2	84.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	41.0	62.3	72.3	79.4	81.9	83.6	84.6	84.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	41.0	62.9	72.9	80.0	82.6	84.2	85.2	85.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	43.2	64.5	74.5	81.6	84.2	86.1	87.1	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	44.5	66.5	76.5	83.9	86.5	88.4	89.4	89.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	44.5	67.1	77.1	84.6	87.2	89.4	90.3	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	44.5	67.1	77.1	84.6	87.2	89.4	90.3	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	45.5	68.7	78.7	86.5	89.4	91.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	45.5	68.7	78.7	86.5	89.4	91.3	92.6	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	45.5	69.4	80.0	87.4	90.3	92.3	93.6	93.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	46.1	69.4	80.0	87.4	90.3	92.3	93.6	93.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	46.1	69.7	80.3	87.7	90.7	92.9	94.2	94.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	46.1	69.7	80.3	87.7	90.7	92.9	94.2	94.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	46.1	70.0	81.0	88.4	91.3	93.9	95.2	95.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	46.1	70.3	81.6	89.0	91.9	94.5	95.8	95.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	46.1	70.3	81.6	89.4	92.3	94.8	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	46.1	70.3	81.6	89.4	92.3	93.2	96.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	46.1	70.3	81.6	89.4	92.3	93.2	96.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	46.1	70.3	81.6	89.4	92.3	93.2	96.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	46.1	70.3	81.6	89.4	92.3	93.2	96.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

43671  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (12 H T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.7	38.7	42.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	34.5	44.5	46.4	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 IV 18000	34.5	44.5	46.4	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 IV 16000	34.5	44.5	46.4	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 IV 14000	34.5	44.5	46.4	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 IV 12000	38.7	49.8	53.6	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 IV 10000	42.6	53.6	56.4	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 IV 9000	42.6	53.6	56.4	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 IV 8000	47.4	59.4	64.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV IV 7000	48.3	60.7	65.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV IV 6000	49.8	61.3	66.1	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 IV 5000	49.8	61.3	66.1	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 IV 4500	49.8	61.3	66.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV IV 4000	49.8	61.3	66.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV IV 3500	50.0	62.6	67.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV IV 3000	55.5	69.0	73.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV IV 2500	61.3	75.5	81.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV IV 2000	66.1	82.3	87.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV IV 1800	68.4	82.3	87.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV IV 1500	69.0	84.5	90.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV IV 1200	70.7	86.1	92.3	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV IV 1000	71.3	86.8	92.9	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV IV 900	71.3	86.8	92.9	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV IV 800	71.6	87.4	93.6	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV IV 700	71.6	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV IV 600	71.6	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV IV 500	71.6	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV IV 400	71.6	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV M 300	71.6	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV M 200	71.6	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV M 100	71.6	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV M 0	71.6	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

94673  
STATION

REAFORT, SC  
STATION NAME

73-82  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		23.2	27.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 20000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 18000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 16000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 14000		32.3	40.0	42.3	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 12000		38.2	42.3	45.2	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000		39.6	46.9	49.7	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000		39.6	47.7	50.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000		41.9	51.0	54.5	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 7000		42.6	51.9	55.2	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000		42.6	51.9	55.5	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 5000		43.2	52.3	55.8	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 4500		43.2	52.3	56.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000		45.2	54.5	58.7	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 3500		46.9	56.1	60.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 3000		54.2	65.2	69.7	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 2500		64.5	76.8	81.6	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000		69.7	82.6	88.4	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800		69.7	82.6	88.4	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500		71.9	85.8	91.3	95.2	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200		72.6	86.1	91.9	95.8	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000		72.6	86.8	92.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900		72.6	86.8	92.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	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

STATION  
9741

STATION NAME  
BEAUFORT, SC

YEAR  
73-72

MONTH  
JUL

16

HOURLY OBSERVATIONS

## 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	≥ 0	≥ 0	≥ 0
NO CEILING	28.4	32.9	34.8	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IN 20000	40.7	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IN 18000	40.7	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IN 16000	40.7	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IN 14000	40.7	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IN 12000	42.9	49.7	51.4	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	46.1	52.9	55.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IN 9000	46.1	52.9	55.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IN 8000	50.0	54.9	60.3	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
IN 7000	51.4	57.7	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 6000	51.4	57.7	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 5000	51.4	57.7	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IN 4500	52.9	59.7	64.8	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
IN 4000	52.9	59.7	64.8	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
IN 3500	55.2	61.9	66.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 3000	55.2	61.9	66.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 2500	70.0	81.0	88.1	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 2000	70.0	81.0	88.1	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 1800	71.4	81.9	89.4	92.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IN 1500	71.4	81.9	89.4	92.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IN 1200	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 1000	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 900	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 800	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 700	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 600	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 500	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 400	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 300	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 200	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 100	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 0	72.3	83.6	91.3	95.8	97.1	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 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: 73-42      YEAR: 1941      MONTH: 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING	73.0	40.2	47.6	43.9	43.2	43.7	43.9	47.7	43.2	47.9	43.4	43.9	44.2	44.2	44.2	44.2
≥ 20000	41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000	41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 14000	42.3	52.0	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	43.7	55.7	57.8	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
IV 10000	47.7	61.7	65.2	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 9000	49.7	61.7	65.2	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 8000	55.8	67.7	73.2	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	59.7	72.4	77.1	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 6000	60.3	73.2	77.7	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 5000	61.4	74.2	78.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	62.6	75.4	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	64.2	77.7	82.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	64.5	78.1	83.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	65.9	80.2	85.2	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	68.1	82.3	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	69.7	84.5	91.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1800	72.3	85.5	92.3	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	73.0	85.5	92.3	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	73.0	85.5	92.3	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	71.3	86.5	93.6	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WTA FORT, SC

STATION NAME

73-72

YEARS

JUL

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	44.0	51.0	55.0	56.0	56.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 20000	50.0	52.0	54.0	56.0	56.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 18000	50.0	52.0	54.0	56.0	56.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 16000	50.0	52.0	54.0	56.0	56.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	50.0	52.0	54.0	56.0	56.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 12000	51.0	51.0	57.0	57.0	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 10000	53.0	64.0	71.0	72.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	54.0	65.0	71.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	58.0	71.0	74.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 7000	59.0	73.0	80.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	60.0	73.0	80.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 5000	61.0	74.0	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	62.0	75.0	82.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4000	62.0	75.0	82.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	62.0	76.0	83.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	64.0	76.0	87.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	65.0	80.0	89.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	67.0	82.0	91.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	67.0	82.0	91.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	67.0	83.0	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	67.0	83.0	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	68.0	83.0	93.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	68.0	83.0	94.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	68.0	83.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	68.0	83.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	68.0	84.0	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: SEA FORT, SC STATION NAME: SEA FORT YEARS: 77-78 MONTH: JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD: 1-1  
HOURS: 11-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.2	47.2	47.2	49.2	49.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 20000	40.2	51.2	56.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 12000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 10000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 9000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 8000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 7000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 5000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 4500	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 4000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3500	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 2500	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 2000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 1800	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 1500	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 1200	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 1000	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 900	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 800	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 700	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 600	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 500	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 400	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 300	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 200	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 100	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 0	40.2	51.2	57.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2

TOTAL NUMBER OF OBSERVATIONS: 2420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WALFORD, SC

STATION NAME

73-72

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.3	59.7	69.8	77.8	72.9	73.2	71.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	43.8	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	43.8	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	43.8	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	43.8	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	43.8	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	46.2	66.8	77.1	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000	46.2	66.8	77.1	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 8000	49.7	72.3	83.9	87.4	87.7	88.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 7000	49.7	72.3	83.9	87.4	87.7	88.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 6000	50.7	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	50.7	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4500	50.7	73.2	85.2	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	50.7	73.2	85.2	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	50.7	73.2	85.2	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	51.0	74.5	87.7	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	51.0	74.5	87.7	91.6	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000	51.0	74.5	87.7	91.6	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	51.0	74.5	87.7	91.6	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	52.0	77.7	91.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION SEA FORT, SC

STATION NAME

73-01

YEAR

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74  
HOURS IN MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING		33.2	57.7	64.2	70.3	70.3	70.3	71.0	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 20000		35.2	53.6	68.7	75.2	75.2	75.2	75.8	75.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1
18000		35.9	53.9	69.0	75.9	75.9	75.9	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
16000		35.9	53.9	69.0	75.9	75.9	75.9	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
14000		35.9	53.9	69.0	75.8	75.8	75.8	76.5	76.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
12000		35.9	54.9	69.7	76.3	76.3	76.3	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
10000		37.0	56.8	72.6	79.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
9000		37.0	56.8	72.6	79.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
8000		39.0	59.0	75.8	82.9	82.9	82.9	83.6	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
7000		39.0	59.0	75.8	82.9	82.9	82.9	83.6	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
6000		39.0	59.4	76.1	83.2	83.2	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000		39.0	59.4	76.1	83.2	83.2	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4500		39.7	67.0	76.8	84.2	84.2	84.2	84.8	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
4000		39.7	67.0	76.8	84.2	84.2	84.2	84.8	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
3500		39.7	67.0	76.8	84.2	84.2	84.2	84.8	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
3000		40.7	61.9	79.0	86.8	86.8	86.8	87.4	87.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2500		41.6	62.9	80.0	87.7	88.1	88.1	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2000		42.9	64.2	81.9	89.7	90.0	90.0	90.7	91.3	91.3	92.6	92.6	92.6	92.6	92.6	92.6
1800		42.9	64.2	81.9	89.7	90.0	90.0	90.7	91.3	91.3	92.6	92.6	92.6	92.6	92.6	92.6
1500		42.9	64.2	82.9	90.7	91.0	91.0	92.3	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1200		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
1000		43.2	65.2	83.6	92.6	92.9	93.6	94.2	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
900		43.2	65.2	83.6	92.9	93.2	93.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
800		43.2	65.2	83.6	92.9	93.2	93.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
700		43.2	65.2	83.6	93.2	93.6	94.2	94.8	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5
600		43.2	65.2	83.6	93.6	93.9	94.5	95.2	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
500		43.2	65.2	83.6	93.9	94.5	95.2	96.1	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400		43.2	65.2	83.6	94.2	94.8	95.5	96.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
300		43.2	65.2	83.6	94.8	95.5	96.1	97.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200		43.2	65.2	83.6	95.2	95.8	96.8	97.7	97.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100		43.2	65.2	83.6	95.2	95.8	96.8	97.7	97.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		43.2	65.2	83.6	95.2	95.8	96.8	97.7	97.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

BEAUFORT, SC

STATION NAME

73-92

YEAR

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

37  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	77.1	59.0	47.7	51.9	54.9	56.5	57.7	57.7	58.7	58.7	58.7	59.0	59.4	59.4	59.7
IV 20000	31.1	46.1	56.1	60.3	63.2	65.2	66.8	66.8	67.7	67.7	67.7	69.1	68.4	68.4	69.7
IV 18000	31.1	46.5	56.8	61.0	63.9	65.8	67.4	67.4	68.4	68.4	68.4	69.7	69.0	69.0	69.4
IV 14000	31.1	46.5	56.8	61.0	63.9	65.8	67.4	67.4	68.4	68.4	68.4	69.7	69.0	69.0	69.4
IV 14000	31.1	47.4	57.7	61.9	64.8	66.8	68.4	68.4	69.4	69.4	69.4	69.7	70.0	70.0	70.3
IV 12000	32.9	49.0	59.4	63.6	66.5	68.4	73.0	70.0	71.0	71.0	71.0	71.6	71.9	71.9	72.3
IV 10000	35.9	51.9	62.3	66.5	69.7	71.6	73.2	73.6	74.5	74.5	74.5	75.2	75.5	75.5	75.6
IV 9000	35.9	51.9	62.3	66.5	69.7	71.6	73.2	73.6	74.5	74.5	74.5	75.2	75.5	75.5	75.6
IV 8000	36.8	55.5	68.8	71.6	75.2	77.1	78.7	79.0	80.2	80.0	80.0	80.7	81.0	81.0	81.3
IV 7000	37.4	55.1	67.4	72.3	75.8	77.7	79.4	79.7	80.7	80.7	80.7	81.3	81.6	81.6	81.9
IV 4000	37.7	56.8	68.1	72.9	76.5	78.4	80.0	80.3	81.3	81.3	81.3	81.9	82.3	82.3	82.6
IV 3000	38.4	57.7	69.4	74.2	77.7	79.7	81.3	81.6	82.6	82.6	82.6	83.2	83.6	83.6	83.9
IV 4500	38.4	57.7	69.4	74.2	77.7	79.7	81.3	81.6	82.6	82.6	82.6	83.2	83.6	83.6	83.9
IV 4000	38.7	58.4	70.0	74.8	78.4	80.3	81.9	82.3	83.2	83.2	83.2	83.9	84.2	84.2	84.5
IV 3500	38.7	58.4	70.0	74.8	78.4	80.3	81.9	82.3	83.2	83.2	83.2	83.9	84.2	84.2	84.5
IV 3000	40.7	60.3	72.6	77.7	81.3	83.2	84.8	85.2	86.1	86.1	86.1	86.8	87.1	87.1	87.4
IV 2500	40.7	60.7	73.2	78.7	82.3	84.2	85.8	86.1	87.4	87.4	87.4	88.1	88.4	88.4	88.7
IV 2000	40.7	60.7	73.2	78.7	82.3	84.2	85.8	86.1	87.4	87.4	87.4	88.1	88.4	88.4	88.7
IV 1800	40.7	60.7	73.2	78.7	82.3	84.2	85.8	86.1	87.4	87.4	87.4	88.1	88.4	88.4	88.7
IV 1300	41.0	61.0	73.9	79.4	82.9	84.8	86.5	86.8	88.1	88.1	88.1	88.7	89.0	89.0	89.4
IV 1200	41.3	61.3	74.2	80.0	83.8	85.9	87.1	87.4	88.7	88.7	88.7	89.4	89.7	89.7	90.0
IV 1000	41.6	61.9	74.8	80.7	84.5	86.5	88.7	89.0	90.3	90.3	90.3	91.0	91.3	91.3	91.6
IV 900	41.6	62.8	75.8	81.6	85.8	87.7	90.0	90.3	91.6	91.6	91.6	92.3	92.6	92.6	92.9
IV 800	41.6	62.8	75.8	81.6	85.8	87.7	90.3	90.7	91.9	91.9	91.9	92.6	92.9	92.9	93.2
IV 700	42.3	63.2	76.8	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.9	93.9	94.2
IV 600	42.3	63.2	76.5	82.6	87.1	89.4	91.6	91.9	93.6	93.6	93.6	94.2	94.5	94.5	94.8
IV 500	42.3	63.2	76.8	83.6	88.4	90.7	92.9	93.2	94.8	94.8	94.8	95.5	95.8	95.8	96.1
IV 400	42.3	63.2	78.9	83.6	88.4	91.0	93.6	93.9	95.5	95.5	95.5	96.1	96.5	96.5	96.8
IV 300	42.3	63.8	76.8	84.2	89.0	91.6	94.5	94.8	96.8	96.8	96.8	97.1	97.4	97.4	97.7
IV 200	42.4	63.9	77.4	84.8	89.7	92.3	95.2	95.5	97.4	97.4	97.4	98.1	98.4	98.4	98.7
IV 100	42.4	63.9	77.4	84.8	89.7	92.3	95.2	95.5	97.4	97.4	97.4	98.1	98.4	98.4	98.7
IV 0	42.4	63.9	77.4	84.8	89.7	92.3	95.2	95.5	97.4	97.4	97.4	98.1	98.4	98.4	98.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORTH, SC

STATION NAME

73-82

YEARS

AUG

MONTH

## PERCENTAGE 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	31.7	39.7	43.0	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	36.6	46.1	47.7	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 18000	36.6	46.1	47.7	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 16000	37.1	46.5	48.1	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 14000	37.7	47.1	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	38.7	48.4	50.0	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
IV 10000	43.2	53.2	55.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000	43.6	53.6	55.5	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
IV 8000	47.1	57.7	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 7000	47.7	58.4	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 6000	48.1	58.7	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 5000	49.0	59.7	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4500	49.0	59.7	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4000	50.0	60.7	63.6	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 3500	50.3	61.0	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 3000	55.6	66.5	70.0	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
IV 2500	63.6	74.5	78.4	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	67.4	78.7	83.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	67.4	79.4	83.9	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1500	71.0	83.9	88.7	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	71.3	84.5	89.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	71.9	86.1	91.6	93.4	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	72.6	86.8	92.3	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	72.6	87.7	93.2	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	72.6	87.7	93.6	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	73.2	88.4	94.5	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	73.2	88.4	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	73.2	88.4	94.8	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

73-92

YEARS

MOON

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		24.2	27.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	27.1
≥ 20000		35.2	39.4	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 18000		35.2	39.4	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 14000		35.2	40.0	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 12000		37.1	41.6	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 10000		39.7	44.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 9000		39.7	44.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 8000		43.9	49.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 7000		44.9	52.3	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 6000		44.9	52.3	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 5000		44.9	52.3	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 4500		44.9	52.3	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 4000		45.8	51.7	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 3500		46.1	51.9	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 3000		57.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500		68.1	76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000		74.2	83.9	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800		74.2	83.9	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500		78.7	89.7	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	95.2	95.2	95.2
IV 1200		78.7	90.0	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	95.2	95.2	95.2
IV 1000		79.7	91.3	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.7	97.7	97.7
IV 900		79.7	91.3	95.5	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
IV 800		79.7	91.3	95.5	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
IV 700		80.0	91.6	95.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
IV 600		80.0	91.6	95.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
IV 500		80.0	91.6	95.8	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 300		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 200		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 100		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 0		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93641  
STATION

REAFORT, SC  
STATION NAME

73-92  
YEAR

10  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
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	32.4	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 20000	44.5	51.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	44.5	51.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	44.5	51.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	44.5	51.9	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	53.2
IV 12000	44.5	51.9	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	51.9	60.0	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	61.6
IV 9000	51.9	60.0	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	61.6
IV 8000	56.8	65.2	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	66.8
IV 7000	56.8	67.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 6000	56.8	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 5000	56.8	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500	56.8	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	57.4	67.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3500	57.4	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	64.5	77.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	71.0	83.6	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	74.2	87.4	91.9	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 1800	74.2	87.4	91.9	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 1500	75.0	90.0	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	75.0	90.0	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1000	76.6	91.0	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 900	76.6	91.0	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 800	76.6	91.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	77.1	91.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	77.1	91.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	77.1	91.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

DIRNO  
STATION

REPORT, SC  
STATION NAME

75-42  
YEARS

AU  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
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		47.4	41.6	43.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000		50.3	56.4	59.4	61.7	61.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000		50.3	57.1	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000		50.7	57.4	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000		51.3	58.4	61.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 12000		52.7	60.0	63.6	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 10000		57.1	64.9	68.4	70.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000		57.7	65.2	69.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000		62.3	71.9	74.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 7000		64.2	74.2	74.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000		64.5	74.5	79.4	81.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000		65.1	74.5	81.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500		66.1	76.5	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000		66.5	77.1	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500		66.5	77.1	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3000		69.0	80.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500		71.0	82.3	88.4	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000		72.6	83.9	90.0	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800		72.6	83.9	91.0	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 900		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 800		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 700		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 600		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 500		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 400		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 300		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 200		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 100		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 0		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

HEADQUARTERS, SC

STATION NAME

73-82

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.G.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	57.1	58.4	63.2	64.2	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 20000	50.3	64.5	69.7	70.7	70.7	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	50.3	64.5	70.0	71.0	71.0	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	50.3	64.5	70.0	71.0	71.0	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 12000	51.0	65.2	70.7	71.6	71.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000	52.3	66.8	72.6	73.6	73.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 9000	52.3	67.4	73.2	74.2	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	56.1	73.3	80.0	81.6	81.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 7000	55.4	73.6	80.7	82.3	82.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 6000	58.4	73.6	81.0	82.6	82.6	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	58.4	73.6	81.0	82.6	82.6	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	58.7	73.9	81.6	83.2	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	59.0	74.5	82.3	83.9	83.9	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	59.0	74.5	82.9	84.5	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	61.1	74.1	87.1	89.0	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	61.9	79.7	89.0	91.0	91.0	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	62.3	80.3	90.3	93.2	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	62.3	80.3	90.3	93.2	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 600	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0	63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

95811  
STATION

BEAUFORT, SC  
STATION NAME

13-62  
YEARS

AVE  
MONTH

## 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	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING	34.2	44.2	49.3	51.4	51.9	52.2	57.5	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000	40.9	52.7	58.5	60.7	61.1	61.5	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
IV 18000	41.0	52.9	58.7	60.9	61.1	61.7	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5
IV 14000	41.1	52.9	58.8	61.5	61.5	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.6
IV 14000	41.3	53.4	59.3	61.5	61.9	62.3	62.7	62.7	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.1
IV 12000	42.3	54.6	60.7	62.9	63.4	63.8	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6
IV 10000	45.4	59.1	64.4	66.6	67.1	67.5	67.8	67.9	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IV 9000	45.6	58.7	64.6	66.9	67.3	67.7	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.6
IV 8000	49.0	63.0	70.0	72.9	73.1	73.5	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3
IV 7000	49.9	64.7	71.1	73.6	74.2	74.6	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.4
IV 6000	50.0	64.2	71.5	74.0	74.5	74.9	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.7
IV 5000	50.9	64.7	72.0	74.9	75.3	75.4	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
IV 4500	50.9	64.8	72.1	74.7	75.3	75.7	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5
IV 4000	50.9	65.1	72.7	75.1	75.9	76.3	76.6	76.6	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.1
IV 3500	51.1	65.8	73.2	75.8	76.4	76.8	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.6
IV 3000	55.7	70.8	78.6	81.9	82.1	82.5	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.4
IV 2500	56.7	74.4	83.0	86.1	86.7	87.2	87.6	87.6	87.9	87.9	87.9	87.9	87.9	88.0	88.1	88.1
IV 2000	50.8	77.7	85.7	89.2	89.8	90.4	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.2	91.3	91.3
IV 1800	60.9	77.1	85.8	89.3	89.9	90.5	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.5
IV 1500	62.1	75.2	88.3	91.9	92.5	93.3	93.6	93.7	94.1	94.1	94.1	94.1	94.2	94.3	94.3	94.3
IV 1200	62.4	79.4	88.6	92.2	92.9	93.6	94.0	94.0	94.4	94.4	94.4	94.4	94.5	94.6	94.6	94.7
IV 1000	62.8	80.1	89.8	93.9	94.7	95.5	96.0	96.0	96.3	96.3	96.3	96.3	96.5	96.7	96.7	96.7
IV 900	62.9	80.3	90.1	94.3	95.1	96.0	96.5	96.5	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.3
IV 800	62.9	80.3	90.4	94.7	95.3	96.4	96.9	96.9	97.4	97.4	97.4	97.4	97.5	97.6	97.6	97.7
IV 700	63.2	80.7	90.7	95.0	95.9	96.8	97.3	97.3	97.8	97.8	97.8	97.8	97.9	98.0	98.0	98.1
IV 600	63.2	80.7	90.8	95.2	96.2	97.1	97.5	97.5	98.1	98.1	98.1	98.1	98.2	98.3	98.4	98.4
IV 500	63.2	80.7	90.8	95.6	96.6	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.9
IV 400	63.2	80.7	90.9	95.7	96.8	97.7	98.2	98.2	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.2
IV 300	63.2	80.8	91.0	96.1	97.1	98.0	98.6	98.6	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.6
IV 200	63.2	80.8	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.8
IV 100	63.2	80.8	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.8
IV 0	63.2	80.8	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FFA15097, SF

STATION NAME

77-07

YEAR

SEP

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	55.3	62.0	64.7	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 20000	44.0	59.7	64.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	44.0	60.7	67.0	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
IV 16000	44.0	60.7	67.0	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
IV 14000	44.0	60.7	67.0	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
IV 12000	45.0	61.3	68.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	47.0	64.0	71.3	75.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	46.0	64.7	72.0	76.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 8000	46.0	66.7	75.3	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 7000	49.3	67.3	76.0	81.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000	49.3	67.7	76.3	81.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 5000	49.3	68.0	76.7	81.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	49.7	68.7	76.7	81.7	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	50.0	68.7	77.3	82.7	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	50.0	69.0	77.7	83.0	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	50.7	70.3	80.0	85.7	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	52.0	72.3	82.3	88.0	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	52.0	73.3	83.7	90.0	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	52.0	73.7	84.0	90.3	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1600	53.3	76.0	86.3	93.0	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1400	53.0	76.0	86.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	53.0	76.0	86.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	54.0	77.0	87.3	94.7	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	54.0	77.0	87.3	95.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	54.0	77.3	88.0	96.7	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93871  
STATION

8761041, SC  
STATION NAME

77-07  
YEARS

370  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	77.0	46.0	56.3	61.7	62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	65.0	65.0	65.0	65.0
≥ 20000	79.7	48.7	61.7	67.3	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	71.0	71.0	71.0	71.0
IVN 18000	79.7	49.0	61.0	67.7	68.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.7
IVN 16000	79.7	49.0	61.0	67.7	68.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.7
IVN 14000	80.0	49.0	61.3	68.0	68.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.7	71.7	71.7	72.0
IVN 12000	80.7	50.0	62.0	68.7	69.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.7
IVN 10000	82.0	51.7	64.3	71.0	72.0	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	75.3
IVN 9000	82.0	52.0	64.7	71.3	72.0	74.3	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.3	75.3	75.3	75.7
IVN 8000	83.0	54.0	67.7	75.0	76.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.3
IVN 7000	84.3	54.7	68.3	75.7	76.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	80.0
IVN 6000	84.3	55.0	68.7	76.0	77.0	79.0	79.0	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3
IVN 5000	84.7	55.7	67.3	76.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	81.0
IVN 4500	84.7	55.7	69.3	76.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	81.0
IVN 4000	85.0	56.3	70.3	78.0	79.0	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.7
IVN 3500	85.0	56.7	70.7	78.3	79.3	81.7	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	83.0
IVN 3000	86.3	58.3	73.0	80.7	81.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.3
IVN 2500	86.3	59.0	74.3	82.3	83.3	85.7	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	87.0
IVN 2000	86.3	59.0	74.3	82.3	83.3	85.7	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	87.0
IVN 1800	86.7	60.0	76.0	84.0	85.0	87.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7	89.0
IVN 1500	87.0	60.7	76.7	85.0	86.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	90.0
IVN 1200	87.0	62.0	78.7	87.0	88.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.7	91.7	91.7	92.0
IVN 1000	87.0	63.7	80.7	89.0	90.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.3	94.3	94.3	94.7
IVN 900	87.0	64.3	81.3	89.7	91.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.3
IVN 800	87.0	64.3	82.0	90.3	91.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.7
IVN 700	87.0	64.3	82.0	90.3	91.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.7
IVN 600	87.0	64.3	82.3	90.7	92.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	96.0
IVN 500	87.0	64.7	83.0	91.3	92.7	95.7	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	97.0
IVN 400	87.0	64.7	83.0	91.3	92.7	95.7	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	97.0
IVN 300	87.0	64.7	83.0	92.0	93.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.3
IVN 200	87.0	64.7	83.0	92.0	93.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.3
IVN 100	87.0	64.7	83.0	92.3	93.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.7
IVN 0	87.3	64.7	83.0	92.3	93.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WALFORD, SC

STATION NAME

73-47

YEARS

SEP

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77

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	13.3	24.3	33.3	37.7	42.0	44.3	45.7	46.7	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 2000	16.3	29.7	37.7	44.7	48.3	50.3	52.0	52.3	53.0	53.7	53.7	53.7	53.7	53.7	54.0	54.7
1800	16.3	29.7	37.7	45.7	48.3	50.7	52.3	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.3	55.0
1600	16.3	29.7	37.7	45.7	49.3	50.7	52.3	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.3	55.0
1400	17.0	30.0	37.7	45.7	49.0	51.3	53.0	53.3	54.0	54.7	54.7	54.7	54.7	54.7	55.0	55.7
1200	17.0	32.0	41.3	46.3	52.0	54.3	56.3	56.7	57.3	58.3	58.0	58.0	58.0	58.0	58.3	59.0
1000	19.0	35.0	46.0	51.3	57.3	60.3	62.3	62.7	63.3	64.3	64.3	64.3	64.3	64.3	64.7	65.3
900	19.0	35.0	46.3	53.7	57.7	60.7	62.7	63.0	63.7	64.3	64.3	64.3	64.3	64.7	65.0	65.7
800	24.3	42.0	53.0	61.0	65.7	69.7	71.0	71.3	72.3	72.7	73.3	74.0	74.0	74.3	74.3	74.7
700	24.3	43.0	53.7	62.0	66.7	70.0	72.3	72.7	73.3	74.0	74.0	74.0	74.0	74.3	74.3	74.7
600	24.7	43.0	53.0	62.0	67.3	70.7	73.0	73.3	74.3	74.7	74.7	74.7	75.0	75.0	75.3	76.0
500	24.7	43.0	54.3	62.7	67.3	70.7	73.0	73.3	74.3	74.7	74.7	74.7	75.0	75.0	75.3	76.0
450	24.7	43.0	54.3	62.7	67.3	70.7	73.0	73.3	74.3	74.7	74.7	74.7	75.0	75.0	75.3	76.0
400	24.7	43.0	54.3	62.7	67.3	70.7	73.0	73.3	74.3	74.7	74.7	74.7	75.0	75.0	75.3	76.0
350	25.0	43.7	54.7	63.7	68.3	72.0	74.3	74.7	75.3	76.3	76.3	76.3	76.3	76.3	76.7	77.3
300	26.3	45.3	57.3	66.3	71.0	74.7	77.0	77.3	78.0	78.7	79.7	79.7	79.7	79.7	79.7	80.0
250	26.3	45.3	57.3	66.3	71.0	74.7	77.0	77.3	78.0	78.7	79.7	79.7	79.7	79.7	79.7	80.0
200	26.3	45.3	57.3	66.7	71.0	74.7	77.0	77.3	78.0	78.7	79.7	79.7	79.7	79.7	79.7	80.0
1800	26.7	46.0	58.3	67.7	73.3	77.0	80.0	80.3	81.0	82.0	82.0	82.0	82.0	82.7	83.0	83.7
1500	27.0	46.7	59.0	69.0	74.7	78.7	81.7	82.0	82.7	83.7	83.7	83.7	83.7	84.3	84.3	85.3
1200	27.0	47.3	59.7	69.7	75.3	79.3	82.7	83.0	83.7	84.7	84.7	84.7	84.7	85.3	85.3	86.3
1000	27.0	47.7	61.0	71.7	78.0	82.0	85.3	85.7	86.3	87.3	87.3	87.3	87.3	88.0	88.3	89.3
900	27.0	47.7	61.3	72.3	78.7	82.7	86.0	86.3	87.0	88.0	88.0	88.0	88.0	88.7	88.7	89.3
800	27.3	48.0	62.3	73.7	80.7	85.0	88.3	88.7	89.3	90.3	90.3	90.3	90.3	91.0	91.3	92.3
700	27.3	48.0	63.0	74.7	81.7	86.0	89.7	90.3	90.7	91.7	91.7	91.7	91.7	92.3	92.3	93.7
600	27.3	48.7	63.0	74.7	82.0	86.3	90.0	90.3	91.0	92.0	92.0	92.0	92.0	92.7	92.7	93.0
500	27.3	49.0	63.3	75.0	82.7	87.0	91.0	91.3	92.3	93.3	93.3	93.3	93.3	94.0	94.0	95.3
400	27.3	49.7	64.0	76.0	83.7	88.0	92.0	92.3	93.3	94.3	94.3	94.3	94.3	95.0	95.3	96.3
300	27.3	49.7	64.3	77.0	84.7	89.0	93.0	93.7	94.7	95.7	95.7	95.7	95.7	96.3	96.3	96.7
200	27.3	50.0	64.7	77.7	85.3	89.7	93.7	94.3	95.3	96.3	96.3	96.3	96.3	97.0	97.0	97.3
100	27.3	50.0	64.7	77.7	85.3	90.0	94.0	94.7	95.7	96.7	96.7	96.7	96.7	97.3	97.3	97.7
0	27.3	50.0	64.7	77.7	85.3	90.0	94.0	94.7	95.7	96.7	96.7	96.7	96.7	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

73-01

YEARS

SEP

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.0	33.7	30.7	49.0	40.3	40.3	47.3	49.3	40.3	40.3	40.3	47.3	40.3	47.3	47.3
IV 20000	37.0	43.0	45.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 18000	37.0	43.0	45.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 16000	37.0	43.0	45.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 14000	36.0	44.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000	39.0	46.0	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	43.0	51.0	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	43.0	51.0	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	47.0	55.0	59.0	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 7000	47.0	55.0	59.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	47.0	57.0	60.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 5000	48.0	57.0	60.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 4500	48.0	58.0	61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 4000	49.0	58.0	62.0	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 3500	49.0	59.0	63.0	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 3000	51.0	61.0	66.0	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 2500	54.0	66.0	70.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	58.0	70.0	75.0	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 1800	59.0	70.0	75.0	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 1500	62.0	76.0	81.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1200	63.0	77.0	83.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1000	64.0	79.0	85.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	64.0	79.0	85.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	65.0	80.0	86.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	65.0	80.0	86.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600	65.0	81.0	88.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	65.0	81.0	88.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	65.0	81.0	89.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	65.0	81.0	89.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 200	65.0	81.0	89.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 100	65.0	81.0	89.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 0	65.0	81.0	89.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: SEA FORT, SC      YEAR: 73-74      MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	78.7	27.9	3.8	31.7	21.7	31.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV 20000	73.7	36.3	27.3	34.7	25.7	39.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 18000	73.7	37.7	35.7	38.7	30.7	39.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 16000	73.7	37.7	35.7	38.7	30.7	39.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 14000	74.7	37.3	38.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 12000	74.7	36.7	39.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 10000	77.7	41.0	42.7	43.7	43.7	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 9000	77.7	41.7	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	71.7	46.7	45.3	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
IV 7000	72.7	47.7	48.7	49.7	49.7	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 6000	72.7	47.7	49.7	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	72.7	47.7	49.7	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 4500	72.7	47.7	49.7	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 4000	73.7	47.7	50.7	51.7	51.7	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500	75.7	51.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 3000	73.7	60.7	63.3	65.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2500	70.7	69.7	71.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	75.7	74.3	78.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	75.7	74.3	78.7	81.0	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1500	71.7	82.3	87.3	89.7	89.7	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	71.7	83.3	89.7	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	74.7	85.7	91.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	74.7	85.7	91.7	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	74.7	85.7	91.7	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	74.7	85.7	92.3	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	74.7	85.7	92.3	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	74.7	85.7	92.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	74.7	86.3	93.0	98.0	98.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	74.7	86.7	93.3	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	74.7	86.7	93.3	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	74.7	86.7	93.3	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	74.7	86.7	93.3	98.3	98.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC

YEAR: 1957

MONTH: SEP

## 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	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.7	33.7	33.7	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 20000		40.3	44.3	44.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000		40.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000		41.0	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 14000		42.0	46.7	47.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 12000		45.7	50.7	51.3	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		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 5000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4500		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 4000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2500		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1800		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1500		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1200		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 1000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 900		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 800		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 700		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 600		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 500		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 400		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 300		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 200		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 100		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 0		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRR,AVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

73-42

YEAR

SEP

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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		14.7	40.7	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	46.3	53.3	56.7	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	40.3	53.7	55.3	55.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	46.3	53.7	56.3	56.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	46.3	56.0	57.0	58.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	48.3	56.7	60.0	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	52.7	63.0	66.3	68.3	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 9000	53.0	63.3	66.7	68.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000	57.7	68.7	72.7	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 7000	58.3	68.3	73.3	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	59.3	70.3	74.3	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	60.0	71.0	75.0	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	60.3	71.7	75.7	77.7	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	60.7	72.0	76.0	78.0	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	61.0	72.7	76.7	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	62.7	75.7	81.3	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	64.0	77.7	83.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	64.7	79.0	85.0	87.7	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	65.3	79.7	85.7	88.7	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	65.7	80.7	86.7	90.0	90.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	66.3	81.0	87.3	91.3	92.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	66.3	83.0	89.3	93.3	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	66.7	83.3	89.7	93.7	94.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	66.7	83.7	90.0	94.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	66.7	83.7	90.3	95.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	66.7	83.7	90.3	95.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STA FORT, NC

STATION NAME

73-82

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	43.7	54.7	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 20000	48.7	67.0	66.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	49.0	67.3	67.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	49.0	67.3	67.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	49.0	67.3	67.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000	51.0	67.0	70.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	52.0	65.0	72.0	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 9000	52.0	65.0	72.0	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 8000	56.0	70.0	76.0	79.3	79.3	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	57.0	71.0	79.3	80.7	80.7	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	57.0	71.0	79.7	81.0	81.0	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	57.0	72.0	80.7	82.3	82.3	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	57.0	72.0	80.7	82.3	82.3	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	57.0	72.0	81.0	82.7	82.7	83.0	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	58.0	73.0	81.0	83.3	83.3	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	59.0	74.0	83.3	85.3	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	61.0	76.0	85.7	87.7	87.7	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	62.0	78.0	88.0	90.0	90.0	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	62.0	78.0	88.0	90.0	90.0	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	62.0	79.0	90.3	92.7	92.7	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	62.0	79.0	91.0	93.7	93.7	94.0	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	62.0	81.0	92.7	95.3	95.3	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	63.0	82.0	94.0	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	63.0	82.0	94.0	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	63.0	82.0	94.0	97.0	97.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

03312  
STATION

2041FORT, SC  
STATION NAME

73-23  
YEARS

SEP  
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	
NO CEILING		31.3	40.4	44.6	46.6	47.2	47.8	48.0	48.7	48.2	49.3	48.3	48.3	48.3	48.3	48.4
IV 20000		36.4	46.9	51.8	54.5	55.1	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.6
IV 18000		37.2	47.3	52.2	55.1	55.7	56.4	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1
IV 16000		37.2	47.3	52.2	55.1	55.7	56.4	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.1
IV 14000		37.4	47.7	52.7	55.5	56.1	56.9	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.5	57.6
IV 12000		38.7	49.4	54.7	57.7	58.3	59.0	59.3	59.3	59.5	59.6	59.6	59.6	59.6	59.7	59.8
IV 10000		41.3	52.8	58.5	61.7	62.4	63.2	63.5	63.5	63.7	63.8	63.8	63.9	63.9	63.9	64.0
IV 9000		41.8	53.1	58.8	62.7	62.8	63.6	63.8	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.4
IV 8000		45.8	58.0	64.3	67.9	68.7	69.5	69.8	69.9	70.1	70.2	70.2	70.3	70.3	70.3	70.4
IV 7000		46.5	59.7	65.0	69.6	69.4	70.3	70.6	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.2
IV 6000		46.3	59.1	65.5	69.1	69.9	70.8	71.1	71.1	71.3	71.4	71.4	71.5	71.5	71.5	71.7
IV 5000		44.6	59.6	66.2	69.9	70.7	71.6	71.9	71.9	72.1	72.2	72.2	72.3	72.3	72.3	72.5
IV 4500		46.7	59.8	66.3	70.0	70.8	71.8	72.0	72.1	72.3	72.4	72.4	72.5	72.5	72.5	72.6
IV 4000		47.1	60.8	67.0	70.9	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.5	73.6
IV 3500		47.7	61.0	67.8	71.6	72.5	73.5	73.8	73.8	74.0	74.1	74.1	74.2	74.2	74.2	74.3
IV 3000		50.4	64.7	72.2	76.3	77.2	78.2	78.5	78.5	78.8	78.9	78.9	79.0	79.0	79.0	79.1
IV 2500		52.7	67.5	75.5	79.8	80.8	81.9	82.2	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.9
IV 2000		54.4	70.0	78.5	83.0	84.3	85.5	85.9	85.9	86.2	86.3	86.3	86.3	86.3	86.5	86.7
IV 1800		54.8	70.2	78.8	83.4	84.7	85.8	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.9	87.0
IV 1500		56.3	73.3	82.1	87.1	88.4	89.7	90.1	90.2	90.5	90.6	90.6	90.6	90.6	90.9	91.0
IV 1200		57.1	74.0	83.0	88.4	89.7	91.1	91.5	91.6	91.9	92.1	92.1	92.1	92.3	92.3	92.5
IV 1000		58.0	75.0	85.0	90.5	92.0	93.6	93.9	93.9	94.3	94.5	94.5	94.5	94.7	94.7	94.9
IV 900		58.2	75.4	85.3	91.0	92.5	93.9	94.4	94.5	94.8	95.0	95.0	95.2	95.2	95.3	95.4
IV 800		58.3	76.1	85.8	91.7	93.3	94.8	95.3	95.4	95.8	95.9	95.9	96.1	96.1	96.2	96.3
IV 700		58.4	76.3	86.3	92.2	93.8	95.4	96.0	96.0	96.4	96.5	96.5	96.8	96.8	96.8	97.0
IV 600		58.4	76.5	86.5	92.5	94.2	95.8	96.5	96.5	96.9	97.0	97.1	97.4	97.4	97.4	97.6
IV 500		58.4	76.6	86.8	92.9	94.7	96.3	97.3	97.4	97.9	98.1	98.1	98.3	98.3	98.4	98.5
IV 400		58.5	76.7	87.0	93.3	95.1	96.8	97.9	98.0	98.5	98.8	98.8	99.0	99.0	99.0	99.2
IV 300		58.5	76.8	87.1	93.5	95.3	97.0	98.1	98.2	98.8	99.0	99.0	99.3	99.3	99.3	99.5
IV 200		58.5	76.8	87.2	93.5	95.4	97.1	98.2	98.3	98.9	99.1	99.1	99.4	99.4	99.5	99.7
IV 100		58.5	76.8	87.2	93.6	95.4	97.3	98.3	98.4	99.0	99.3	99.3	99.5	99.5	99.6	99.9
IV 0		58.5	76.8	87.2	93.6	95.4	97.3	98.3	98.4	99.0	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93031  
STATION

SEA FORT, SC  
STATION NAME

73-82  
YEAR

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.9	69.7	71.9	73.9	74.2	75.2	75.5	75.5	75.8	75.8	75.8	75.8	76.1	76.5	76.5
≥ 20000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	80.0	80.3	80.3
IV 18000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	80.0	80.3	80.3
IV 14000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	80.0	80.3	80.3
IV 14000		60.3	73.9	77.1	79.0	79.0	80.3	80.7	80.7	81.3	81.3	81.3	81.3	81.6	81.9	81.9
IV 10000		62.3	75.8	79.0	81.0	81.3	82.6	82.9	82.9	83.6	83.6	83.6	83.6	83.9	84.2	84.2
IV 9000		62.6	76.5	79.7	81.6	81.9	83.2	83.6	83.6	84.2	84.2	84.2	84.2	84.5	84.8	84.8
IV 8000		64.5	79.0	82.9	84.9	85.2	86.5	86.8	86.8	87.4	87.4	87.4	87.4	87.7	88.1	88.1
IV 7000		64.4	79.7	83.6	85.5	85.8	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.4	88.7	88.7
IV 4000		64.8	79.7	83.6	85.5	85.8	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.4	88.7	88.7
IV 3000		64.8	80.0	83.9	85.8	86.1	87.4	87.7	87.7	88.4	88.4	88.4	88.4	88.7	89.0	89.0
IV 4500		65.2	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.7	88.7	88.7	88.7	89.0	89.4	89.4
IV 4000		65.5	81.3	85.2	87.1	87.4	88.7	89.0	89.0	89.7	89.7	89.7	89.7	90.0	90.3	90.3
IV 3500		65.8	81.6	85.5	87.4	87.7	89.0	89.4	89.4	90.0	90.0	90.0	90.0	90.3	90.7	90.7
IV 3000		66.5	82.3	86.1	88.0	88.7	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.3	91.6	91.6
IV 2500		67.1	82.9	86.8	89.0	89.4	91.0	91.3	91.3	91.9	91.9	91.9	91.9	92.3	92.6	92.6
IV 2000		67.4	83.2	87.1	89.4	89.7	91.3	91.6	91.6	92.3	92.3	92.3	92.3	92.6	92.9	92.9
IV 1800		67.4	83.2	87.1	89.4	89.7	91.3	91.6	91.6	92.3	92.3	92.3	92.3	92.6	92.9	92.9
IV 1500		67.7	84.5	89.0	91.3	91.6	93.2	93.6	93.6	94.2	94.2	94.2	94.2	94.5	94.8	94.8
IV 1200		67.7	84.5	89.0	91.6	91.9	93.6	93.9	93.9	94.5	94.5	94.5	94.5	94.8	95.2	95.2
IV 1000		68.4	85.8	91.0	93.6	93.9	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.8	97.1	97.1
IV 900		68.4	85.8	91.0	93.6	93.9	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.8	97.1	97.1
IV 800		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4
IV 700		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4
IV 600		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4
IV 500		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4
IV 400		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4
IV 300		68.7	86.1	92.3	95.2	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7	99.0	99.4	99.4
IV 200		68.7	86.1	92.3	95.2	95.8	98.1	98.4	98.4	99.0	99.0	99.0	99.0	99.4	99.7	99.7
IV 100		68.7	86.1	92.3	95.2	95.8	98.1	98.4	98.4	99.0	99.0	99.0	99.0	99.4	99.7	100.0
IV 0		68.7	86.1	92.3	95.2	95.8	98.1	98.4	98.4	99.0	99.0	99.0	99.0	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNA OCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	44.7	50.7	64.8	68.7	69.4	71.0	72.3	72.3	73.6	73.9	73.9	74.2	74.2	74.2	75.2
≥ 20000	45.7	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	78.7
IVM 18000	45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	79.7
IVM 16000	45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	79.7
IVM 14000	45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	79.7
IVM 12000	46.9	62.3	68.7	72.6	73.2	74.8	76.1	76.1	77.4	77.7	77.7	78.4	78.4	78.4	79.7
IVM 10000	47.2	63.6	69.7	73.4	74.2	76.5	77.7	77.7	79.0	79.4	79.4	80.0	80.0	80.0	81.3
IVM 9000	47.7	64.2	70.3	74.7	74.8	77.1	78.4	78.4	79.7	80.0	80.0	80.7	80.7	80.7	81.9
IVM 8000	49.7	66.1	72.9	76.8	77.4	79.7	81.0	81.7	82.3	82.6	82.6	83.2	83.2	83.2	84.5
IVM 7000	49.7	66.8	73.5	77.4	78.1	80.3	81.9	81.9	83.2	83.6	83.6	84.2	84.2	84.2	85.5
IVM 6000	49.7	66.4	73.6	77.4	78.1	80.3	81.9	81.9	83.2	83.6	83.6	84.2	84.2	84.2	85.5
IVM 5000	50.7	67.1	73.9	77.7	78.4	80.7	82.3	82.3	83.6	83.9	83.9	84.5	84.5	84.5	85.8
IVM 4500	50.7	67.4	74.2	78.1	78.7	81.0	82.6	82.6	83.9	84.2	84.2	84.8	84.8	84.8	86.1
IVM 4000	50.7	67.7	74.5	78.7	79.4	81.6	83.2	83.2	84.5	84.8	84.8	85.5	85.5	85.5	86.8
IVM 3500	50.7	68.1	74.8	79.7	79.7	81.9	83.6	83.6	84.8	85.2	85.2	85.8	85.8	85.8	87.1
IVM 3000	51.3	69.4	76.1	80.7	81.3	83.6	85.2	85.2	86.5	86.8	86.8	87.4	87.4	87.4	88.7
IVM 2500	52.6	70.3	77.4	81.9	82.6	85.2	86.8	86.8	88.1	88.4	88.4	89.0	89.0	89.0	90.3
IVM 2000	53.9	71.9	79.4	83.9	84.5	87.1	88.7	88.7	90.0	90.3	90.3	91.0	91.0	91.0	92.3
IVM 1800	54.2	72.3	79.7	84.3	84.8	87.4	89.0	89.0	90.3	90.7	90.7	91.3	91.3	91.3	92.6
IVM 1600	54.5	72.9	80.7	85.2	85.8	88.4	90.0	90.0	91.3	91.6	91.6	92.3	92.3	92.3	93.6
IVM 1400	54.8	73.6	81.3	85.8	86.5	89.0	90.7	90.7	91.9	92.3	92.3	92.9	92.9	92.9	94.2
IVM 1200	54.2	73.9	81.6	86.1	86.8	89.4	91.0	91.0	92.3	92.6	92.6	93.2	93.2	93.2	94.5
IVM 1000	55.5	74.2	81.9	86.5	87.1	89.7	91.3	91.3	92.6	92.9	92.9	93.6	93.6	93.6	94.8
IVM 900	55.5	74.5	82.6	87.4	88.1	90.7	92.3	92.3	93.6	93.9	93.9	94.5	94.5	94.5	95.8
IVM 800	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 700	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 600	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 500	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 400	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 300	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 200	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 100	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IVM 0	55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STA 71

STATION NAME  
REARFOOT, LC

YEARS  
73-82

YEARS

MONTH  
OCT

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING		34.5	47.6	47.7	51.4	51.9	54.2	55.2	55.7	55.9	56.1	56.1	57.1	57.1	59.1	59.7
IV 20000		37.1	46.3	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 18000		37.1	46.1	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 16000		37.1	46.1	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 14000		37.7	46.8	52.3	57.1	57.7	60.7	61.9	61.9	62.3	62.9	62.9	64.2	64.2	65.2	66.5
IV 12000		38.1	47.1	52.6	57.4	58.1	61.0	62.3	62.3	62.6	63.2	63.2	64.5	64.5	65.5	66.8
IV 10000		39.4	48.4	54.2	59.4	60.0	62.9	64.2	64.2	64.5	65.2	65.2	66.5	66.5	67.4	68.7
IV 9000		39.7	49.0	54.8	60.7	60.7	63.9	65.2	65.2	65.5	66.1	66.1	67.4	67.4	68.4	69.7
IV 8000		42.3	52.7	59.0	64.5	69.5	69.0	70.3	70.3	70.7	71.3	71.3	72.6	72.6	73.6	75.2
IV 7000		43.2	53.7	60.0	65.5	66.5	70.0	71.3	71.3	71.6	72.3	72.3	73.6	73.6	74.5	76.1
IV 6000		43.2	54.2	60.3	66.4	67.4	71.0	72.3	72.3	72.6	73.2	73.2	74.5	74.5	75.5	77.1
IV 5000		43.4	54.4	61.0	67.1	68.1	71.6	72.9	72.9	73.2	73.9	73.9	75.2	75.2	76.1	77.7
IV 4500		45.2	55.8	62.9	69.0	70.0	73.4	74.8	74.8	75.2	75.8	75.8	77.1	77.1	78.1	79.7
IV 4000		46.1	57.7	64.2	70.3	71.3	75.5	76.8	76.8	77.1	77.7	77.7	79.0	79.0	80.0	81.6
IV 3500		46.5	58.1	64.5	70.7	71.4	75.8	77.1	77.1	77.4	78.1	78.1	79.4	79.4	80.3	81.9
IV 3000		47.1	59.4	65.8	72.3	73.6	77.7	79.0	79.0	79.4	80.0	80.0	81.3	81.3	82.3	83.9
IV 2500		48.7	61.3	67.7	74.5	75.4	80.0	81.3	81.3	81.6	82.3	82.3	83.9	83.9	84.8	86.5
IV 2000		49.7	62.3	68.7	75.5	76.8	81.3	82.6	82.6	82.9	83.4	83.6	85.2	85.2	86.1	87.7
IV 1800		49.7	62.6	69.0	75.8	77.1	81.6	82.9	82.9	83.2	83.9	83.9	85.5	85.5	86.5	88.1
IV 1500		50.0	63.6	70.3	77.1	78.4	82.9	84.2	84.2	84.5	85.2	85.2	86.8	86.8	87.7	89.4
IV 1200		51.3	64.8	71.6	78.4	79.7	84.2	85.5	85.5	85.8	86.5	86.5	88.1	88.1	89.0	90.7
IV 1000		52.3	65.8	73.2	80.3	81.6	86.5	88.1	88.1	88.4	89.4	89.4	91.0	91.0	91.9	93.6
IV 900		52.3	66.1	73.6	80.7	81.9	87.1	88.4	88.4	88.7	89.7	89.7	91.3	91.3	92.3	93.9
IV 800		52.3	66.1	73.9	81.0	82.3	87.4	88.7	88.7	89.0	90.0	90.0	91.9	91.9	92.9	94.5
IV 700		52.3	66.1	73.9	81.0	82.3	87.4	88.7	88.7	89.0	90.0	90.0	91.9	91.9	92.9	94.5
IV 600		52.6	66.5	74.5	81.6	82.9	88.1	89.4	89.4	90.0	91.0	91.0	92.9	92.9	93.9	95.5
IV 500		53.2	67.1	75.5	82.6	83.9	89.0	90.3	90.3	91.0	91.9	91.9	93.9	93.9	94.8	96.5
IV 400		53.2	67.1	75.5	82.6	83.9	89.0	90.3	90.3	91.0	91.9	91.9	93.9	93.9	94.8	96.5
IV 300		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.1	98.7
IV 200		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.1	98.7
IV 100		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.4	99.7
IV 0		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93801  
STATION

BEAUFORT, SC  
STATION NAME

73-02  
YEAR

YEAR

007  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0
NO CEILING	54.8	59.4	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 20000	59.7	64.2	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
IV 18000	60.0	64.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	60.0	64.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	60.3	64.8	65.8	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 12000	63.0	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
IV 10000	63.2	68.1	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	63.4	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	62.1	73.4	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	62.7	75.5	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	69.1	75.8	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	69.4	76.1	78.1	79.1	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	73.3	77.8	79.4	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	70.7	77.7	80.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	71.0	78.1	80.5	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	71.6	79.4	81.6	82.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	73.2	81.0	83.2	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	75.5	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	75.4	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	77.1	85.8	88.1	89.4	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	78.4	87.1	89.7	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	80.0	89.0	91.9	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	80.0	89.0	92.3	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	80.0	89.0	92.9	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	80.0	89.4	93.2	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	80.7	90.0	93.9	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	80.7	90.0	94.2	96.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRM/VOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

94871  
STATION

BEAUFORT, SC  
STATION NAME

73-87  
YEAR

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IN 20000	62.2	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
18000	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
16000	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
14000	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
12000	64.3	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
10000	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	68.7	68.7	68.7
9000	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	68.7	68.7	68.7
8000	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
7000	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
6000	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
5000	75.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
4500	75.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000	76.5	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	79.4	79.4
3500	76.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
3000	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2500	84.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2000	89.7	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
1800	89.7	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
1500	89.7	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
1200	90.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000	90.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
900	91.0	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
800	91.0	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
700	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
600	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
500	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
400	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
300	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
200	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
100	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0	91.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

07471  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

001  
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	56.4	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 20000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	70.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 8000	76.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 7000	79.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	80.7	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 4500	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	82.3	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 3500	82.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	86.1	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 2500	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 2000	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	92.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	93.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97831  
STATION

BLAIFORT, SC  
STATION NAME

73-42  
YEARS

OCT  
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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	63.2	64.2	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	66.1	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	71.3	71.3
IV 18000	66.9	70.0	71.3	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
IV 16000	66.9	70.0	71.3	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
IV 14000	66.9	70.0	71.3	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
IV 12000	67.4	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	72.6
IV 10000	71.0	74.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000	71.0	75.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	76.9	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 7000	78.7	82.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 6000	78.7	82.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 5000	80.0	84.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	80.7	85.2	87.7	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 4000	82.6	87.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	82.6	87.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	83.9	89.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	85.8	91.0	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	86.8	91.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	86.8	91.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	86.8	92.3	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 1200	86.8	92.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	87.1	92.9	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	87.1	93.2	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

007

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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	44.9	71.9	73.6	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
≥ 20000	67.4	73.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000	57.4	73.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 16000	67.7	73.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 14000	65.1	74.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 12000	69.1	75.2	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	70.7	79.1	81.7	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 9000	71.6	79.7	81.6	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 8000	74.5	82.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 7000	75.5	83.9	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 6000	76.5	84.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 5000	77.1	85.2	87.7	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 4500	77.7	85.8	88.4	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 4000	78.4	86.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	78.4	86.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3000	80.0	88.7	91.3	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 2500	80.3	89.4	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	81.0	90.1	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	81.3	90.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	81.9	91.6	95.2	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 1200	81.9	91.6	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	82.6	92.3	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

03573  
STATION

FAA FORT, SC  
STATION NAME

73-80  
YEARS

OCT  
MONTH

## 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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	53.3	57.8	61.9	63.2	63.4	64.0	64.4	64.8	64.9	64.7	64.7	64.9	64.9	65.1	65.3	
IV 20000	57.5	64.6	66.9	68.4	68.6	69.3	69.6	69.8	69.9	70.0	70.0	70.2	70.3	70.5	70.8	
IV 18000	57.4	64.7	67.0	68.5	68.7	69.4	69.8	69.9	70.0	70.2	70.2	70.4	70.4	70.6	70.9	
IV 16000	57.4	64.8	67.1	68.6	68.8	69.4	69.8	69.9	70.1	70.2	70.2	70.4	70.5	70.7	71.0	
IV 14000	59.1	65.0	67.3	68.8	69.0	69.7	69.7	70.1	70.1	70.4	70.5	70.7	70.8	70.9	71.3	
IV 12000	59.3	66.2	68.7	70.2	70.4	71.1	71.4	71.4	71.7	71.8	71.8	72.1	72.1	72.3	72.6	
IV 10000	61.4	68.7	71.3	72.8	73.7	73.8	74.2	74.2	74.6	74.6	74.6	74.8	74.8	75.7	75.8	
IV 9000	62.1	69.4	71.8	73.3	73.7	74.5	74.9	74.9	75.2	75.3	75.3	75.5	75.5	75.7	76.1	
IV 8000	65.9	73.8	76.4	78.1	78.3	79.2	79.5	79.5	79.8	79.9	79.9	80.2	80.2	80.4	81.7	
IV 7000	66.3	74.9	77.9	79.2	79.7	80.6	81.0	81.7	81.8	81.4	81.4	81.7	81.7	81.9	82.0	
IV 6000	66.4	75.1	78.0	79.7	80.0	80.9	81.3	81.3	81.6	81.7	81.7	81.9	82.0	82.1	82.6	
IV 5000	67.9	75.9	78.8	80.4	80.8	81.7	82.1	82.1	82.4	82.5	82.5	82.7	82.8	82.9	83.2	
IV 4500	68.3	76.7	79.7	81.4	81.4	82.5	82.9	82.9	83.2	83.4	83.4	83.6	83.6	83.6	84.0	
IV 4000	69.7	77.7	80.8	82.5	82.3	83.8	84.2	84.3	84.5	84.6	84.6	84.8	84.9	85.0	85.4	
IV 3500	69.3	77.9	81.0	82.8	83.1	84.1	84.5	84.5	84.8	84.9	84.9	85.1	85.2	85.3	85.7	
IV 3000	71.7	80.3	83.1	85.1	85.4	86.5	86.9	86.9	87.1	87.3	87.3	87.5	87.5	87.7	88.1	
IV 2500	72.7	81.9	85.1	87.1	87.5	88.6	89.0	89.0	89.3	89.4	89.4	89.7	89.7	89.9	90.2	
IV 2000	74.3	83.7	87.1	89.1	89.5	90.7	91.1	91.1	91.3	91.5	91.5	91.7	91.8	91.9	92.3	
IV 1800	74.4	83.9	87.3	89.3	89.6	90.8	91.2	91.2	91.5	91.6	91.6	91.9	91.9	92.1	92.5	
IV 1500	75.0	85.1	88.7	90.8	91.1	92.3	92.8	92.8	93.1	93.2	93.2	93.5	93.5	93.7	94.0	
IV 1200	75.8	85.7	89.5	91.6	92.0	93.2	93.6	93.6	93.9	94.0	94.0	94.3	94.3	94.5	94.9	
IV 1000	76.1	86.0	90.7	92.9	93.3	94.6	95.1	95.1	95.4	95.5	95.5	95.5	95.9	96.0	96.4	
IV 900	76.3	86.4	90.9	93.2	93.6	94.9	95.3	95.3	95.6	95.8	95.8	96.1	96.1	96.3	96.6	
IV 800	76.4	86.9	91.2	93.6	94.0	95.4	95.8	95.8	96.1	96.3	96.3	96.6	96.6	96.9	97.1	
IV 700	76.4	87.0	91.4	93.8	94.2	95.7	96.1	96.1	96.4	96.5	96.5	96.9	96.9	97.1	97.4	
IV 600	76.5	87.2	91.7	94.2	94.6	96.1	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.6	97.9	
IV 500	76.6	87.3	91.9	94.6	95.0	96.5	96.9	96.9	97.3	97.5	97.5	97.8	97.8	98.0	98.4	
IV 400	76.5	87.3	92.0	94.8	95.2	96.8	97.2	97.2	97.6	97.8	97.8	98.1	98.1	98.4	98.7	
IV 300	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.2	98.3	98.5	98.8	98.8	99.0	99.4	
IV 200	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.0	99.0	99.2	99.7	
IV 100	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.1	99.1	99.4	99.9	
IV 0	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.1	99.2	99.4	99.9	

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, SC

STATION NAME

77-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURE (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	49.3	59.7	62.3	64.7	64.3	64.3	64.3	64.3	64.3	64.7	65.7	65.3	65.3	65.3	65.7	67.3
IV 20000	50.7	60.3	63.3	65.3	65.3	65.3	65.7	65.7	65.7	66.0	66.3	66.3	66.3	66.7	67.7	69.7
IV 18000	50.7	60.3	63.3	65.3	65.3	65.7	65.7	65.7	66.0	66.3	66.3	66.3	66.3	66.7	67.7	69.7
IV 16000	51.3	61.0	64.3	66.0	66.3	66.3	66.3	66.3	66.3	66.7	67.0	67.0	67.0	67.3	67.7	68.7
IV 14000	51.3	61.0	64.3	66.0	66.3	66.3	66.3	66.3	66.7	67.0	67.0	67.0	67.0	67.3	67.7	68.7
IV 12000	51.3	61.0	64.3	66.0	66.3	66.3	66.3	66.3	66.7	67.0	67.0	67.0	67.0	67.3	67.7	68.7
IV 10000	52.3	62.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.3	68.3	68.7	69.3	70.7
IV 9000	52.3	62.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.3	68.3	68.7	69.3	70.7
IV 8000	53.3	63.3	66.3	68.3	68.7	68.7	68.7	68.7	69.0	69.3	69.3	69.3	69.3	69.7	70.3	71.7
IV 7000	53.3	63.3	66.3	68.3	68.7	68.7	68.7	68.7	69.0	69.3	69.3	69.3	69.3	69.7	70.3	71.7
IV 6000	54.3	64.3	67.3	69.3	69.7	69.7	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.7	71.3	72.7
IV 5000	54.3	64.3	67.3	69.3	69.7	69.7	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.7	71.3	72.7
IV 4500	55.3	65.3	68.3	70.3	70.7	70.7	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.7	72.3	73.7
IV 4000	55.3	65.3	68.3	70.3	70.7	70.7	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.7	72.3	73.7
IV 3500	56.3	66.3	69.3	71.3	71.7	71.7	71.7	71.7	72.0	72.3	72.3	72.3	72.3	72.7	73.3	74.7
IV 3000	56.3	66.3	69.3	71.3	71.7	71.7	71.7	71.7	72.0	72.3	72.3	72.3	72.3	72.7	73.3	74.7
IV 2500	57.3	67.3	70.3	72.3	72.7	72.7	72.7	72.7	73.0	73.3	73.3	73.3	73.3	73.7	74.3	75.7
IV 2000	57.3	67.3	70.3	72.3	72.7	72.7	72.7	72.7	73.0	73.3	73.3	73.3	73.3	73.7	74.3	75.7
IV 1800	58.3	68.3	71.3	73.3	73.7	73.7	73.7	73.7	74.0	74.3	74.3	74.3	74.3	74.7	75.3	76.7
IV 1500	58.3	68.3	71.3	73.3	73.7	73.7	73.7	73.7	74.0	74.3	74.3	74.3	74.3	74.7	75.3	76.7
IV 1200	59.3	69.3	72.3	74.3	74.7	74.7	74.7	74.7	75.0	75.3	75.3	75.3	75.3	75.7	76.3	77.7
IV 1000	59.3	69.3	72.3	74.3	74.7	74.7	74.7	74.7	75.0	75.3	75.3	75.3	75.3	75.7	76.3	77.7
IV 900	60.3	70.3	73.3	75.3	75.7	75.7	75.7	75.7	76.0	76.3	76.3	76.3	76.3	76.7	77.3	78.7
IV 800	60.3	70.3	73.3	75.3	75.7	75.7	75.7	75.7	76.0	76.3	76.3	76.3	76.3	76.7	77.3	78.7
IV 700	61.3	71.3	74.3	76.3	76.7	76.7	76.7	76.7	77.0	77.3	77.3	77.3	77.3	77.7	78.3	79.7
IV 600	61.3	71.3	74.3	76.3	76.7	76.7	76.7	76.7	77.0	77.3	77.3	77.3	77.3	77.7	78.3	79.7
IV 500	62.3	72.3	75.3	77.3	77.7	77.7	77.7	77.7	78.0	78.3	78.3	78.3	78.3	78.7	79.3	80.7
IV 400	62.3	72.3	75.3	77.3	77.7	77.7	77.7	77.7	78.0	78.3	78.3	78.3	78.3	78.7	79.3	80.7
IV 300	63.3	73.3	76.3	78.3	78.7	78.7	78.7	78.7	79.0	79.3	79.3	79.3	79.3	79.7	80.3	81.7
IV 200	63.3	73.3	76.3	78.3	78.7	78.7	78.7	78.7	79.0	79.3	79.3	79.3	79.3	79.7	80.3	81.7
IV 100	64.3	74.3	77.3	79.3	79.7	79.7	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.7	81.3	82.7
0	64.3	74.3	77.3	79.3	79.7	79.7	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.7	81.3	82.7

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

YEARS

YEARS

MONTH

04

HOURLY (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	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	50.3	55.7	59.3	59.7	60.7	61.7	61.7	63.0	63.0	63.0	63.7	63.7	64.3	66.0	66.0
IV 20000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	68.3	68.3
IV 18000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	68.3	68.3
IV 16000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	68.3	68.3
IV 14000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	68.3	68.3
IV 12000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	68.3	68.3
IV 10000		43.7	53.3	58.7	62.3	62.7	63.7	64.7	64.7	66.3	66.7	66.7	67.3	67.3	68.0	69.7	69.7
IV 9000		43.7	53.3	58.0	62.7	63.0	64.0	65.0	65.7	66.7	67.0	67.0	67.7	67.7	69.3	70.0	70.0
IV 8000		46.3	57.7	63.7	67.3	67.7	69.0	70.0	70.0	71.7	72.0	72.0	72.7	72.7	73.3	75.0	75.0
IV 7000		46.7	58.0	64.0	67.7	68.0	69.3	70.3	70.3	72.0	72.3	72.3	73.0	73.0	73.7	75.3	75.3
IV 6000		46.7	58.0	64.0	67.7	68.0	69.3	70.3	70.3	72.0	72.3	72.3	73.0	73.0	73.7	75.3	75.3
IV 5000		48.7	60.3	66.3	70.0	70.3	71.7	72.7	72.7	74.3	74.7	74.7	75.3	75.3	76.0	77.7	77.7
IV 4500		49.3	61.0	67.0	70.7	71.0	72.3	73.3	73.3	75.0	75.3	75.3	76.0	76.0	76.7	78.3	78.3
IV 4000		51.7	63.7	69.7	73.7	74.0	75.3	76.3	76.3	78.0	78.3	78.3	79.0	79.0	79.7	81.3	81.3
IV 3500		53.0	65.3	71.0	75.0	75.3	76.7	77.7	77.7	79.3	79.7	79.7	80.3	80.3	81.0	82.7	82.7
IV 3000		55.7	67.0	73.0	77.0	77.3	78.7	79.7	79.7	81.3	81.7	81.7	82.3	82.3	83.0	84.7	84.7
IV 2500		55.3	67.7	73.7	77.7	78.0	79.3	80.3	80.3	82.0	82.3	82.3	83.0	83.0	83.7	85.3	85.3
IV 2000		55.7	68.3	75.0	79.0	79.3	81.0	82.0	82.0	83.7	84.0	84.0	84.7	84.7	85.3	87.0	87.0
IV 1800		55.7	68.7	75.3	79.3	79.7	81.3	82.3	82.3	84.0	84.3	84.3	85.0	85.0	85.7	87.3	87.3
IV 1500		55.7	69.0	75.7	79.7	80.0	82.0	83.0	83.0	84.7	85.0	85.0	85.7	85.7	86.3	88.0	88.0
IV 1200		56.3	69.7	76.3	80.3	80.7	82.7	83.7	83.7	85.3	85.7	85.7	86.3	86.3	87.0	88.7	88.7
IV 1000		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	89.7	89.7
IV 900		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	89.7	89.7
IV 800		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	89.7	89.7
IV 700		57.0	70.3	77.3	82.0	83.0	85.0	86.0	86.0	87.7	88.0	88.0	88.7	88.7	89.3	91.0	91.0
IV 600		57.3	71.0	78.0	83.3	84.3	86.3	87.3	87.3	89.0	89.3	89.3	90.0	90.0	90.7	92.3	92.3
IV 500		57.7	71.3	78.3	83.7	84.7	86.7	87.7	87.7	89.3	89.7	89.7	90.3	90.3	91.0	92.7	92.7
IV 400		57.7	71.7	78.7	84.7	85.0	87.7	88.7	88.7	90.3	90.7	90.7	91.3	91.3	92.0	93.7	93.7
IV 300		57.7	71.7	78.7	84.7	85.0	87.7	88.7	88.7	90.3	90.7	90.7	91.3	91.3	92.0	93.7	93.7
IV 200		57.7	71.7	78.7	84.7	85.0	87.7	88.7	88.7	90.3	90.7	90.7	91.3	91.3	92.0	93.7	93.7
IV 100		57.7	71.7	78.7	84.7	85.0	87.7	88.7	88.7	90.3	90.7	90.7	91.3	91.3	92.0	93.7	93.7
IV 0		57.7	71.7	78.7	84.7	85.0	87.7	88.7	88.7	90.3	90.7	90.7	91.3	91.3	92.0	93.7	93.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93671  
STATION

BEAUFORT, SC  
STATION NAME

73-52  
YEAR

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
IN 20000		33.7	39.7	42.0	45.3	45.7	46.3	47.3	47.3	49.3	49.0	49.3	50.7	50.7	51.0	53.0
IN 18000		35.7	41.7	45.3	47.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 16000		35.7	41.7	45.3	47.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 14000		35.7	41.7	45.3	47.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 12000		35.0	41.7	45.3	47.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 10000		36.7	44.0	48.3	52.3	52.7	53.3	54.3	54.7	56.7	56.7	57.0	58.3	58.3	58.7	61.0
IN 9000		37.7	45.0	49.7	53.7	54.0	55.0	56.0	56.3	57.7	58.3	58.7	60.0	60.0	60.3	62.7
IN 8000		40.3	47.3	53.7	58.0	58.7	59.7	60.7	61.0	62.7	63.3	63.7	65.3	65.3	65.7	68.3
IN 7000		41.0	47.0	54.3	58.7	59.7	60.3	61.3	61.7	63.3	64.0	64.3	66.0	66.0	66.3	69.0
IN 6000		41.0	47.0	54.3	58.7	59.7	60.7	61.7	62.0	63.7	64.3	64.7	66.3	66.3	66.7	69.3
IN 5000		42.7	51.3	56.7	61.3	62.3	63.7	64.7	65.0	66.7	67.3	67.7	69.3	69.3	69.7	72.7
IN 4500		43.0	52.3	57.7	62.3	63.3	64.7	65.7	66.2	67.7	68.3	68.7	70.3	70.3	70.7	73.7
IN 4000		44.7	54.7	60.0	64.7	65.7	67.0	68.0	68.3	70.0	70.7	71.3	72.7	72.7	73.0	76.0
IN 3500		45.0	55.0	60.7	65.3	66.3	67.7	68.7	69.7	70.7	71.3	71.7	73.3	73.3	73.7	76.7
IN 3000		47.3	54.3	64.3	69.0	70.0	71.3	72.3	72.7	74.7	75.3	75.7	77.0	77.0	77.3	81.3
IN 2500		48.3	60.0	66.0	70.7	71.7	73.0	74.0	74.3	76.3	77.3	77.3	79.7	79.7	80.0	83.0
IN 2000		48.7	61.0	67.0	72.0	73.0	74.3	75.3	75.7	77.7	78.3	78.7	81.0	81.0	81.3	84.3
IN 1800		48.7	61.0	67.0	72.0	73.3	74.7	75.7	76.0	78.0	78.7	79.0	81.3	81.3	81.7	84.7
IN 1500		49.3	61.7	67.7	72.7	74.7	76.0	77.0	77.3	79.3	80.0	80.3	82.7	82.7	83.0	86.0
IN 1200		49.3	61.7	67.7	72.7	74.7	76.0	77.0	77.3	79.3	80.0	80.3	82.7	82.7	83.0	86.0
IN 1000		50.0	62.7	68.7	73.7	76.0	77.3	78.3	78.7	80.7	81.3	81.7	84.3	84.3	84.7	87.7
IN 900		50.0	62.7	68.7	74.0	76.3	77.7	78.7	79.7	81.0	81.7	82.0	84.7	84.7	85.0	88.0
IN 800		50.0	63.0	69.0	74.7	77.0	78.3	79.3	79.7	81.7	82.3	82.7	85.3	85.3	85.7	88.7
IN 700		50.7	63.7	69.7	76.0	78.3	79.7	80.7	81.7	83.0	83.7	84.0	86.7	86.7	87.0	90.0
IN 600		50.7	64.0	70.3	76.7	79.0	80.3	81.3	81.7	84.3	85.0	85.3	88.0	88.0	88.3	91.3
IN 500		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	85.7	86.3	86.7	89.3	89.3	89.7	92.7
IN 400		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	86.0	86.7	87.0	90.0	90.0	90.3	93.3
IN 300		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	86.3	87.0	87.3	90.7	91.0	91.3	94.3
IN 200		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.3	88.7	89.0	93.0	93.7	94.0	97.7
IN 100		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.7	89.0	89.3	93.7	94.3	95.0	99.7
IN 0		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.7	89.0	89.3	93.7	94.7	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97691  
STATION

SPANFORD, SC  
STATION NAME

73-92  
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	49.7	52.3	55.0	58.7	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 20000	53.3	57.0	59.7	60.3	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000	53.3	57.0	60.0	60.7	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	56.3	60.3	63.0	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 9000	56.3	60.7	63.3	64.0	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	59.7	64.7	67.3	68.3	69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	50.7	65.7	68.3	69.3	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000	61.3	66.0	68.7	69.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	61.3	66.7	70.0	71.0	72.0	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500	62.3	67.7	71.3	72.3	73.3	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4000	60.3	70.3	74.0	75.0	76.0	76.3	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	64.3	70.3	74.0	75.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	67.7	74.0	78.0	80.0	81.3	81.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	68.3	75.7	80.7	82.0	83.3	83.7	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	69.0	76.3	81.3	82.7	84.0	84.3	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	69.0	76.3	81.3	82.7	84.0	84.3	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	70.0	77.7	83.0	84.3	85.7	86.3	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	70.0	77.7	83.0	84.3	86.0	86.7	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	70.7	78.7	85.3	87.0	88.7	89.3	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	70.7	78.7	85.3	87.7	89.3	90.0	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	71.0	79.7	86.3	89.0	91.0	91.7	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 700	71.0	79.7	86.3	89.0	91.0	91.7	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 600	71.0	79.7	86.3	89.3	91.3	92.0	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	71.0	79.7	86.7	91.0	93.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	71.3	80.0	87.0	91.3	93.3	94.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
IV 300	71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.3
IV 200	71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
IV 100	71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.0	98.0	98.0	98.0	98.0	98.7	98.7	99.7
IV 0	71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.0	98.0	98.0	98.0	98.0	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

REARFORT, SC

STATION NAME

73-12

YEARS

NOV

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.3	57.7	50.7	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000		60.7	62.3	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 9000		60.7	62.7	62.7	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000		66.7	69.3	69.3	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000		67.7	70.3	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000		67.7	70.3	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000		64.7	71.3	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500		69.7	73.3	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000		71.7	74.3	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500		72.7	75.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000		74.3	78.7	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500		77.3	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
IV 2000		79.7	84.3	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800		80.0	85.0	86.0	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500		82.3	88.3	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200		83.0	89.3	90.3	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000		84.0	90.7	91.7	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900		84.7	91.7	93.3	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800		85.0	92.3	94.7	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700		85.0	92.3	94.7	96.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		85.0	92.3	95.0	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		85.0	92.3	95.7	97.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 100		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
0		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

07811  
STATION

SEA-FORT, SC  
STATION NAME

73-82  
YEAR

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.3	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
IV 20000	59.7	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	61.7	61.7
IV 18000	59.3	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	61.7	61.7
IV 16000	59.7	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	60.0	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	62.3	62.3
IV 12000	60.7	62.7	63.7	63.0	63.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	62.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000	62.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	70.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	71.0	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	74.7	74.7
IV 6000	71.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 5000	72.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	74.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	75.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	75.3	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	80.0
IV 3000	78.3	81.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	80.3	84.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	84.0	88.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	84.3	89.0	90.0	90.0	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 1500	85.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	86.7	91.3	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	86.7	92.0	93.7	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	86.7	92.3	94.3	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	86.7	92.3	94.3	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	87.0	93.0	95.0	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	87.3	93.3	95.3	96.3	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SFA: FORT, SC

STATION NAME

73-52

YEAR

NOV

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
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	≥ 3/8	≥ 5/16	≥ 1/2	≥ 0	
NO CEILING	59.3	53.7	54.7	54.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	
≥ 20000	63.7	66.7	67.7	67.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
IV 18000	64.3	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	
IV 16000	64.3	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	
IV 14000	64.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
IV 12000	65.7	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 10000	67.3	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
IV 9000	67.3	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
IV 8000	71.7	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	
IV 7000	72.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	
IV 6000	72.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
IV 5000	73.7	80.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
IV 4500	75.3	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
IV 4000	77.0	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	
IV 3500	77.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	
IV 3000	80.0	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
IV 2500	80.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
IV 2000	81.7	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
IV 1800	82.3	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
IV 1500	83.0	91.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
IV 1200	83.3	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1000	83.3	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
IV 900	83.3	92.3	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	
IV 800	83.3	92.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
IV 700	83.3	92.7	94.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
IV 600	83.3	92.7	95.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	97.0	97.0	
IV 500	83.3	92.7	95.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	
IV 400	83.3	92.7	95.3	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
IV 300	83.3	92.7	95.3	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
IV 200	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
IV 100	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
IV 0	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

BEAUFORT, SC

STATION NAME

73-72

YEARS

NCV

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	≥ 1/16	≥ 0	≥ 0	
NO CEILING	57.2	64.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IN 20000	58.9	66.4	69.9	73.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 18000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 16000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 14000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 12000	59.5	67.2	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IN 10000	60.4	68.9	72.2	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
IN 9000	60.4	68.9	72.2	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
IN 8000	65.2	73.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 7000	65.2	73.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 6000	65.2	73.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 5000	66.4	74.9	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 4500	67.2	76.3	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IN 4000	69.4	77.9	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 3500	70.6	78.9	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 3000	73.2	82.3	85.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IN 2500	74.9	83.3	86.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IN 2000	78.3	84.3	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 1800	78.3	84.3	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 1500	78.3	84.3	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 1200	75.2	85.3	89.0	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
IN 1000	75.2	85.3	89.0	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
IN 900	75.2	86.0	89.6	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
IN 800	75.2	86.0	89.6	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
IN 700	75.2	86.0	89.6	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
IN 600	75.2	86.0	89.6	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
IN 500	75.2	86.0	89.6	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
IN 400	75.2	86.0	89.6	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
IN 300	75.2	86.0	89.6	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
IN 200	75.2	86.0	89.6	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
IN 100	75.2	86.0	89.6	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
0	75.2	86.0	89.6	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

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
27811

STATION NAME  
BEAUFORT, SC

YEAR  
73-92

NCV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
MONTHS (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	≥ 1/8	≥ 0	
NO CEILING	.1	49.1	54.3	56.6	57.9	58.1	58.3	58.6	58.6	58.9	59.0	59.1	59.4	59.4	59.4	59.6	60.2
IV 20000	.1	52.4	58.3	60.7	62.2	62.4	62.6	62.9	62.9	63.4	63.5	63.6	63.9	63.9	64.1	64.1	64.8
IV 18000	.1	52.7	58.4	60.8	62.2	62.4	62.7	63.0	63.0	63.4	63.6	63.7	63.9	63.9	64.2	64.2	64.9
IV 16000	.1	52.7	58.4	60.9	62.3	62.5	62.7	63.0	63.1	63.5	63.7	63.7	64.0	64.0	64.2	64.2	64.9
IV 14000	.1	52.6	58.4	61.0	62.4	62.7	62.7	63.2	63.2	63.7	63.8	63.9	64.2	64.2	64.4	64.9	65.1
IV 12000	.1	53.3	59.1	61.9	62.9	63.1	63.4	63.7	63.7	64.1	64.3	64.3	64.4	64.4	64.6	64.9	65.6
IV 10000	.1	55.0	61.1	63.6	65.3	65.2	65.4	65.7	65.8	66.2	66.4	66.4	66.7	66.7	66.9	67.0	67.7
IV 9000	.1	55.3	61.2	63.9	65.3	65.5	65.8	66.1	66.1	66.5	66.7	66.7	67.0	67.0	67.3	67.3	68.0
IV 8000	.1	59.4	66.3	69.2	70.7	71.0	71.3	71.6	71.7	72.1	72.3	72.3	72.7	72.7	72.9	72.9	73.7
IV 7000	.1	60.1	67.1	70.0	71.5	71.8	72.2	72.5	72.5	73.1	73.1	73.2	73.8	73.8	73.8	73.7	74.5
IV 6000	.1	60.2	67.3	70.2	71.7	72.0	72.4	72.7	72.7	73.2	73.4	73.4	73.7	73.7	73.7	74.0	74.7
IV 5000	.1	61.3	68.7	71.7	73.3	73.7	74.1	74.4	74.4	74.9	75.1	75.1	75.5	75.5	75.7	75.7	76.5
IV 4500	.1	62.4	69.9	72.9	74.5	74.8	75.2	75.5	75.6	76.1	76.2	76.3	76.6	76.6	76.9	76.9	77.7
IV 4000	.1	64.2	71.9	75.0	76.6	77.0	77.4	77.7	77.7	78.2	78.4	78.4	78.7	78.7	79.0	79.0	79.8
IV 3500	.1	64.7	72.4	75.7	77.4	77.8	78.2	78.5	78.5	79.0	79.2	79.2	79.6	79.6	79.8	79.8	80.6
IV 3000	.1	67.1	74.4	78.9	80.6	81.0	81.4	81.7	81.8	82.3	82.5	82.5	83.0	83.0	83.2	83.2	84.0
IV 2500	.1	68.4	77.1	80.6	82.4	82.8	83.2	83.5	83.6	84.2	84.3	84.4	84.8	84.8	84.8	85.0	85.8
IV 2000	.1	69.5	78.6	82.3	84.1	84.5	85.0	85.3	85.4	86.0	86.1	86.2	86.6	86.6	86.8	86.8	87.6
IV 1800	.1	69.7	78.9	82.6	84.5	85.0	85.5	85.8	85.8	86.4	86.6	86.6	87.0	87.0	87.3	87.3	88.1
IV 1500	.1	70.6	80.2	84.0	86.0	86.6	87.2	87.6	87.6	88.2	88.4	88.4	88.8	88.8	89.1	89.1	89.9
IV 1200	.1	70.9	80.6	84.5	86.7	87.3	88.0	88.3	88.3	88.9	89.1	89.1	89.5	89.5	89.5	89.5	90.6
IV 1000	.1	71.5	81.4	85.5	88.0	88.8	89.4	89.8	89.8	90.4	90.5	90.6	91.0	91.0	91.3	91.3	92.1
IV 900	.1	71.9	81.6	85.9	88.5	89.3	90.0	90.3	90.3	90.9	91.1	91.1	91.6	91.6	91.6	91.6	92.6
IV 800	.1	71.6	81.9	86.3	89.2	90.0	90.7	91.0	91.1	91.7	91.8	91.9	92.4	92.4	92.4	92.4	93.4
IV 700	.1	71.7	82.1	86.6	89.4	90.9	91.2	91.6	91.7	92.3	92.4	92.5	93.0	93.0	93.0	93.2	94.0
IV 600	.1	71.8	82.3	87.0	90.2	91.1	91.8	92.3	92.3	93.0	93.1	93.2	93.7	93.7	93.7	94.0	94.9
IV 500	.1	72.0	82.5	87.6	91.0	92.0	92.8	93.3	93.4	94.1	94.3	94.3	94.8	94.8	95.1	95.1	95.9
IV 400	.1	72.0	82.6	87.7	91.3	92.3	93.3	94.0	94.0	95.0	95.2	95.2	95.8	95.8	95.8	95.1	96.9
IV 300	.1	72.0	82.7	87.7	91.5	92.6	93.7	94.5	94.5	95.6	95.8	95.8	96.5	96.5	96.6	97.0	97.8
IV 200	.1	72.1	82.7	87.8	91.6	92.7	93.8	94.8	94.8	96.2	96.4	96.6	97.4	97.5	98.0	98.0	98.9
IV 100	.1	72.0	82.7	87.8	91.6	92.7	93.8	94.8	94.9	96.3	96.7	96.8	97.7	97.9	98.4	98.4	99.7
0	.1	72.0	82.7	87.8	91.6	92.7	93.8	94.8	94.9	96.3	96.7	96.8	97.8	97.9	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93871  
STATION

MCA FORT, SC  
STATION NAME

73-82  
YEAR

D5C  
MONTH

## PERCENTAGE 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	¾	≥ 5/16	¼	≥ 0	
NO CEILING	49.7	54.4	57.1	57.4	57.4	57.4	59.0	59.0	59.0	59.4	59.7	59.7	60.0	60.0	60.0	60.7
≥ 20000	52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.2	64.8
IVM 16000	52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.2	64.8
IVM 14000	52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.2	64.8
IVM 12000	52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.2	64.8
IVM 10000	54.9	60.7	62.9	62.9	62.9	64.8	64.8	64.8	65.2	65.8	65.8	66.1	66.1	66.1	66.5	66.8
IVM 9000	54.9	60.7	62.9	62.9	62.9	64.8	64.8	64.8	65.2	65.8	65.8	66.1	66.1	66.5	66.5	67.1
IVM 8000	58.1	64.8	67.4	67.7	67.7	69.7	69.7	69.7	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.9
IVM 7000	59.7	66.5	69.4	69.7	69.7	71.6	71.6	71.6	72.3	72.9	72.9	73.2	73.2	73.2	73.2	73.9
IVM 6000	60.7	67.4	70.3	70.7	70.7	72.6	72.6	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.2	74.8
IVM 5000	60.7	67.4	70.3	70.7	70.7	72.6	72.6	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.2	74.8
IVM 4500	61.3	68.4	71.3	71.6	71.6	73.6	73.6	73.6	74.2	74.8	74.8	75.2	75.2	75.2	75.2	75.8
IVM 4000	62.6	69.7	72.6	72.9	72.9	74.8	74.8	74.8	75.5	76.1	76.1	76.5	76.5	76.5	76.5	77.1
IVM 3500	63.2	70.3	73.6	74.2	74.2	76.1	76.1	76.1	76.8	77.4	77.4	77.7	77.7	77.7	77.7	78.4
IVM 3000	64.8	72.6	76.1	77.1	77.1	79.0	79.0	79.0	79.7	80.3	80.3	80.7	80.7	80.7	80.7	81.3
IVM 2500	66.1	74.8	78.7	79.7	79.7	81.6	81.6	81.6	82.3	82.9	82.9	83.2	83.2	83.2	83.2	83.9
IVM 2000	66.8	75.2	79.7	80.7	80.7	82.9	82.9	82.9	83.6	84.2	84.2	84.5	84.5	84.5	84.5	85.2
IVM 1800	66.8	75.2	79.7	80.7	80.7	82.9	82.9	82.9	83.6	84.2	84.2	84.5	84.5	84.5	84.5	85.2
IVM 1500	68.4	77.1	81.9	83.2	83.2	85.5	85.5	85.5	86.1	86.8	86.8	87.1	87.1	87.1	87.1	87.7
IVM 1200	68.4	77.1	82.3	83.9	83.9	86.1	86.1	86.1	86.8	87.4	87.4	87.7	87.7	87.7	87.7	88.4
IVM 1000	68.4	77.4	83.2	84.8	84.8	87.1	87.1	87.1	87.7	88.4	88.4	88.7	88.7	88.7	88.7	89.4
IVM 900	68.7	77.7	84.2	85.8	85.8	88.1	88.1	88.1	88.7	89.4	89.4	89.7	89.7	89.7	89.7	90.3
IVM 800	68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	90.7	91.3
IVM 700	68.7	77.7	84.2	86.5	86.5	89.7	89.7	89.7	90.7	91.3	91.3	91.6	91.6	91.6	91.6	92.3
IVM 600	68.7	77.7	84.2	86.8	86.8	90.3	90.3	90.3	91.3	91.9	91.9	92.3	92.3	92.3	92.3	92.9
IVM 500	68.7	78.4	84.8	88.1	88.1	92.3	92.3	92.3	93.2	93.9	93.9	94.2	94.2	94.2	94.2	94.8
IVM 400	68.7	78.4	84.8	88.4	88.4	92.9	92.9	92.9	94.2	94.8	94.8	95.2	95.2	95.2	95.2	95.8
IVM 300	68.7	78.4	85.2	88.7	88.7	93.6	93.6	93.6	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.8
IVM 200	68.7	78.4	85.2	88.7	88.7	93.9	93.9	93.9	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.8
IVM 100	68.7	78.4	85.2	88.7	88.7	93.9	93.9	93.9	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.8
IVM 0	68.7	78.4	85.2	88.7	88.7	93.9	93.9	93.9	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97571

COLE FORT, SC

73-72

DEC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74

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	45.9	47.7	52.6	53.2	53.2	54.2	54.8	54.8	55.5	55.5	55.5	55.8	55.8	56.1	57.1	57.1
≥ 20000	47.1	51.7	54.8	55.2	55.5	56.5	57.1	57.8	58.8	58.7	58.7	59.0	59.0	59.4	59.4	60.3
IV 18000	47.4	51.7	55.2	55.8	55.8	56.8	57.4	57.7	58.7	59.0	59.0	59.4	59.4	59.7	60.7	60.7
IV 16000	47.4	51.7	55.2	55.8	55.8	56.8	57.4	57.7	58.7	59.0	59.0	59.4	59.4	59.7	60.7	60.7
IV 14000	47.7	51.3	55.5	56.1	56.1	57.1	57.7	58.1	59.7	59.7	59.7	59.4	59.4	59.7	60.0	61.0
IV 12000	48.7	52.3	56.8	57.1	57.1	58.1	58.7	59.7	59.7	60.0	60.3	60.3	60.7	60.7	61.0	61.9
IV 10000	51.8	53.8	60.0	60.7	60.7	61.6	62.3	62.6	63.6	63.9	63.9	64.2	64.2	64.5	65.5	65.5
IV 9000	51.8	55.8	60.0	60.7	60.7	61.6	62.3	62.6	63.6	63.9	63.9	64.2	64.2	64.5	65.5	65.5
IV 8000	54.2	58.7	62.9	63.9	63.9	64.8	65.5	65.8	66.8	67.1	67.1	67.4	67.4	67.7	68.7	68.7
IV 7000	55.7	60.0	64.8	65.8	65.8	66.8	67.4	67.7	68.7	69.0	69.0	69.4	69.4	69.7	70.7	70.7
IV 6000	56.1	61.0	66.1	67.1	67.1	68.1	68.7	69.7	70.0	70.3	70.3	70.7	70.7	71.0	71.9	71.9
IV 5000	57.4	62.3	67.7	69.0	69.0	70.0	70.7	71.0	71.9	72.3	72.3	72.6	72.6	72.9	73.9	73.9
IV 4500	57.4	62.6	68.4	69.7	69.7	70.7	71.3	71.6	72.6	72.9	72.9	73.2	73.2	73.6	74.5	74.5
IV 4000	58.1	63.9	69.7	71.0	71.0	71.9	72.6	72.9	73.9	74.2	74.2	74.5	74.5	74.8	75.8	75.8
IV 3500	59.0	65.2	71.0	72.3	72.3	73.2	73.9	74.2	75.2	75.5	75.5	75.8	75.8	76.1	77.1	77.1
IV 3000	60.0	66.5	72.9	74.5	74.5	75.5	76.1	76.5	77.4	77.7	77.7	78.1	78.1	78.4	79.4	79.4
IV 2500	60.7	67.4	73.9	75.8	75.8	76.8	77.4	77.7	78.7	79.0	79.0	79.4	79.4	79.7	80.7	80.7
IV 2000	61.9	69.0	76.1	78.1	78.1	79.0	80.0	80.3	81.3	81.6	81.6	81.9	81.9	82.3	83.6	83.6
IV 1800	62.3	69.4	76.5	78.4	78.4	79.4	80.3	80.7	81.6	81.9	81.9	82.3	82.3	82.6	83.9	83.9
IV 1500	63.6	71.3	78.7	80.7	81.0	81.9	82.9	83.2	84.2	84.5	84.5	84.8	84.8	85.2	86.5	86.5
IV 1200	63.6	71.3	78.7	80.7	81.0	81.9	82.9	83.2	84.2	84.5	84.5	84.8	84.8	85.2	86.5	86.5
IV 1000	64.2	72.3	80.0	82.6	82.9	83.9	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.4	88.7	88.7
IV 900	64.2	72.3	80.0	82.6	82.9	83.9	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.4	88.7	88.7
IV 800	64.5	72.6	80.3	83.2	83.6	85.2	85.5	86.5	87.7	88.1	88.1	88.4	88.4	88.7	90.0	90.0
IV 700	64.8	72.9	81.0	84.5	84.8	86.5	88.1	88.4	89.4	89.7	89.7	90.0	90.0	90.3	91.6	91.6
IV 600	64.8	72.9	81.0	84.5	84.8	86.5	88.1	88.4	89.4	89.7	89.7	90.0	90.0	90.3	91.6	91.6
IV 500	64.8	73.6	81.6	85.8	86.1	88.4	90.0	90.3	91.3	91.6	91.6	91.9	91.9	92.3	93.9	93.9
IV 400	65.2	73.9	81.9	86.1	86.5	88.7	90.3	90.7	91.6	91.9	91.9	92.3	92.3	92.6	94.2	94.2
IV 300	65.2	73.9	82.6	87.1	87.4	90.3	92.9	93.2	94.5	94.8	94.8	95.2	95.2	95.5	97.1	97.1
IV 200	65.2	73.9	82.6	87.1	87.4	90.3	92.9	93.2	94.5	94.8	94.8	95.2	95.2	95.5	97.1	97.1
IV 100	65.2	73.9	82.6	87.1	87.4	90.3	92.9	93.2	94.5	94.8	94.8	95.2	95.2	95.5	97.1	97.1
0	65.2	73.9	82.6	87.1	87.4	90.3	92.9	93.2	94.5	94.8	94.8	95.2	95.2	95.5	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

BEAUFORT, SC

STATION NAME

73-42

YEARS

DEC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		30.4	41.7	43.6	44.2	44.5	45.2	45.1	45.1	47.1	47.4	47.4	47.4	47.4	49.1	49.4
≥ 2000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
IV 18000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
IV 16000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
IV 14000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
IV 12000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
IV 10000		42.6	46.1	48.4	50.3	50.7	51.6	52.9	52.9	53.9	54.2	54.2	54.2	54.2	55.2	56.1
IV 9000		42.6	46.1	48.4	50.3	50.7	51.6	52.9	52.9	53.9	54.2	54.2	54.2	54.2	55.2	56.1
IV 8000		47.4	51.6	54.8	56.8	57.1	59.0	60.3	60.7	61.6	61.9	61.9	61.9	61.9	62.9	63.9
IV 7000		47.4	52.3	55.8	57.7	59.1	60.0	61.3	61.6	62.9	63.2	63.2	63.2	63.2	64.2	65.2
IV 6000		48.4	52.9	56.5	58.4	58.7	60.7	61.9	62.3	63.6	63.9	63.9	63.9	63.9	64.8	65.8
IV 5000		49.4	54.2	58.1	60.0	60.3	62.3	63.6	63.9	65.2	65.5	65.5	65.5	65.5	66.5	67.4
IV 4500		49.4	54.2	58.4	60.3	60.7	62.6	63.9	64.2	65.5	65.8	65.8	65.8	65.8	66.8	67.7
IV 4000		51.6	56.1	60.0	61.9	62.3	64.8	66.1	66.5	67.7	68.1	68.1	68.1	68.1	69.0	70.0
IV 3500		51.6	56.8	60.7	62.6	62.9	65.5	66.8	67.1	68.4	68.7	68.7	68.7	68.7	69.7	70.7
IV 3000		53.7	59.0	63.2	65.8	66.5	69.0	70.3	70.7	71.9	72.3	72.3	72.3	72.3	73.2	74.2
IV 2500		54.8	61.0	65.2	68.1	69.0	71.6	72.9	73.2	74.5	74.8	74.8	74.8	74.8	76.1	77.1
IV 2000		56.8	63.2	67.7	70.7	71.9	74.8	76.5	76.8	78.1	78.4	78.4	78.4	78.4	79.7	80.7
IV 1800		56.8	63.6	68.1	71.0	72.3	75.2	76.8	77.1	78.4	78.7	78.7	78.7	78.7	80.0	81.0
IV 1500		58.1	65.8	71.0	74.2	75.5	78.4	80.0	80.3	81.6	81.9	81.9	81.9	81.9	83.2	84.2
IV 1200		58.4	65.1	71.6	74.9	76.1	79.0	80.7	81.0	82.3	82.6	82.6	82.6	82.6	83.9	84.9
IV 1000		58.7	66.8	72.6	75.8	77.1	80.0	81.6	81.9	83.2	83.6	83.6	83.6	83.6	84.8	85.8
IV 900		59.0	67.1	72.9	76.5	77.7	80.7	82.3	82.6	83.9	84.2	84.2	84.2	84.2	85.5	86.5
IV 800		59.7	67.4	73.9	77.7	79.7	83.2	85.2	85.5	86.8	87.1	87.1	87.1	87.1	88.4	89.4
IV 700		59.7	67.7	74.5	78.4	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.1	88.1	89.4	90.4
IV 600		59.7	67.7	74.5	78.4	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.1	88.1	89.4	90.4
IV 500		59.4	68.1	75.2	80.0	81.9	86.5	88.7	89.3	90.3	90.7	90.7	90.7	90.7	91.9	93.6
IV 400		59.7	68.7	76.1	81.0	82.9	87.4	90.0	90.3	91.6	91.9	91.9	91.9	91.9	93.2	94.8
IV 300		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	97.4
IV 200		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	97.4
IV 100		59.7	68.7	76.8	81.6	83.6	88.4	91.6	92.3	93.9	95.2	95.2	95.2	95.2	96.8	99.7
IV 0		59.7	68.7	76.8	81.6	83.6	88.7	91.9	92.3	93.9	95.2	95.2	95.2	95.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
13671

PLAUFORT, SC

STATION NAME

73-82

YEARS

DEC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

110  
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	41.0	44.5	44.8	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 20000	51.6	54.5	54.8	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000	51.4	54.8	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
IV 16000	51.4	54.8	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
IV 14000	51.8	54.8	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
IV 12000	51.8	54.8	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
IV 10000	53.8	56.8	57.1	57.1	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	53.8	56.8	57.1	57.1	57.1	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	57.1	60.7	61.0	61.0	61.0	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	53.1	62.8	62.8	62.8	62.8	62.8	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 6000	58.1	62.6	62.9	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
IV 5000	59.3	63.6	63.9	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
IV 4300	61.0	65.8	66.1	66.8	66.8	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	63.2	68.1	68.7	69.4	69.4	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3300	63.4	68.7	69.4	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000	66.1	71.3	71.9	73.2	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500	67.7	73.2	73.9	75.2	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	70.3	75.8	76.8	78.1	78.1	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1800	70.7	75.8	76.8	78.1	78.1	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1500	71.9	77.7	78.7	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1200	72.6	78.7	79.7	81.0	81.0	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	73.2	79.4	80.7	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
IV 900	73.2	79.7	81.3	82.9	83.2	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	73.3	80.0	81.6	83.6	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 700	73.6	81.3	83.6	85.2	86.1	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 600	73.6	81.6	83.9	86.8	87.1	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 500	73.6	81.6	84.2	88.1	88.7	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	73.9	81.9	85.2	89.7	89.7	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 300	73.9	82.3	85.5	89.7	90.0	90.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 200	73.9	82.3	85.5	89.7	90.7	90.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 100	73.9	82.3	85.5	89.7	90.7	90.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0	73.9	82.3	85.5	89.7	90.7	90.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION BEAUFORT, NC STATION NAME 73-87 YEARS 76 MONTH 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	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	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	54.0	55.0	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 9000	54.0	55.0	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 8000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	65.0	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	67.0
IV 3500	66.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000	70.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	73.0	75.0	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000	77.0	79.0	80.0	81.0	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 1800	77.0	79.0	81.0	81.0	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	79.0	81.0	82.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	80.0	83.0	84.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1000	81.0	85.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	81.0	85.0	87.0	88.0	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 800	82.0	86.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 700	83.0	86.0	90.0	91.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 600	83.0	87.0	90.0	92.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 500	83.0	87.0	91.0	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400	83.0	87.0	91.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	83.0	87.0	91.0	93.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	83.0	87.0	92.0	94.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	83.0	87.0	92.0	94.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	83.0	87.0	92.0	94.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: 378 10047, 50      YEAR: 73      MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.4	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	47.7
IV 20000	53.5	54.7	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
IV 18000	53.5	54.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 16000	53.5	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 14000	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	56.5	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 10000	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	64.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	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	69.7	69.7
IV 5000	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	71.3
IV 4500	69.4	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	71.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	71.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	76.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2500	79.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2000	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1500	81.3	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	81.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	81.3	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	83.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 800	83.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 700	83.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 600	83.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 500	84.2	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 400	84.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300	84.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 200	84.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 100	84.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0	84.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-02

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.4	57.7	54.4	54.7	54.7	54.7	54.7	54.7	54.7	55.7	55.0	55.0	55.0	55.0	55.0
≥ 20000		56.3	57.3	57.4	57.9	57.9	57.9	57.9	57.9	57.9	59.3	58.3	54.3	58.3	58.3	58.3
IV 18000		56.3	57.3	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000		56.3	57.3	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000		57.0	57.9	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000		57.0	58.6	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000		60.7	61.8	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1
IV 9000		60.7	61.8	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1
IV 8000		63.8	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000		64.7	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000		66.3	68.3	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9
IV 5000		68.7	70.6	71.2	71.8	71.8	71.8	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500		69.3	71.5	72.2	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000		70.2	73.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500		72.9	75.4	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000		75.4	78.6	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500		77.7	80.9	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000		77.7	81.6	82.9	83.8	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800		77.7	81.6	82.9	83.8	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
IV 1500		79.4	83.3	85.8	86.7	86.7	86.7	86.7	86.7	86.7	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200		80.3	84.1	86.4	87.4	87.4	87.4	87.4	87.4	87.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1000		81.2	85.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 900		81.2	85.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 800		81.2	85.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 700		81.2	85.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 600		81.2	85.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 500		81.6	86.4	90.9	92.9	93.2	94.2	94.2	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2
IV 400		81.6	86.4	90.9	92.9	93.2	94.2	94.2	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2
IV 300		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 200		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 100		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 0		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 109

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93873  
STATION

BEAUFORT, SC  
STATION NAME

73-12  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	52.4	54.7	57.3	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 20000	55.7	56.9	60.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 18000	55.3	58.9	60.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	55.3	58.9	61.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 14000	55.7	59.2	61.5	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	57.7	60.5	61.8	62.1	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	58.9	63.1	64.4	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 9000	58.9	63.1	64.4	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 8000	61.9	64.3	67.6	67.7	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000	62.8	66.3	70.2	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 6000	64.1	69.6	71.5	71.8	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	64.9	69.9	71.8	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	65.1	70.6	72.5	72.8	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4000	66.1	72.7	74.1	74.4	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500	68.0	74.1	76.1	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	69.7	76.4	79.6	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	72.2	79.0	82.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	72.8	79.9	83.5	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	72.8	79.9	83.5	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	73.8	81.9	86.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	73.4	81.9	86.4	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000	75.1	83.5	89.4	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	75.1	83.5	89.7	90.0	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 800	75.4	83.8	90.3	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	75.7	84.5	91.3	93.5	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	75.7	84.5	91.3	93.5	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	75.7	84.5	91.6	94.5	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 200	75.7	84.5	91.6	94.5	95.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	75.7	84.5	91.6	94.5	95.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	75.7	84.5	91.6	94.5	95.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
97811

STATION NAME  
BRADFORD, SC

YEAR  
73-82

YEAR

MONTH  
ALL

MONTH  
ALL  
HOURS (CST)

## 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	46.2	44.6	49.9	50.2	50.2	50.7	50.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.7
≥ 20000	50.9	53.6	55.0	55.7	55.8	56.1	56.3	56.3	56.6	56.9	56.9	56.9	56.9	56.9	57.1	57.5
IV 18000	51.2	53.9	55.3	55.7	55.7	56.3	56.5	56.6	56.9	57.1	57.1	57.2	57.2	57.2	57.4	57.7
IV 16000	51.2	53.9	55.3	55.7	55.7	56.3	56.5	56.6	56.9	57.1	57.1	57.2	57.2	57.2	57.4	57.7
IV 14000	51.4	54.1	55.8	55.9	56.7	56.8	56.8	56.8	57.1	57.3	57.3	57.4	57.4	57.4	57.6	58.0
IV 12000	52.2	54.9	56.3	56.7	56.8	57.4	57.6	57.7	58.0	58.2	58.2	58.3	58.3	58.5	58.8	58.8
IV 10000	54.2	57.3	58.7	59.2	59.2	59.9	60.1	60.1	60.4	60.7	60.7	60.7	60.7	60.7	60.9	61.3
IV 9000	54.4	57.4	58.8	59.2	59.3	59.9	60.2	60.3	60.5	60.7	60.7	60.7	60.7	60.8	61.0	61.3
IV 8000	58.4	61.9	63.4	64.0	64.1	64.9	65.1	65.2	65.5	65.7	65.7	65.8	65.8	65.8	65.8	66.3
IV 7000	59.8	63.4	65.3	65.9	66.0	66.8	67.0	67.3	67.4	67.7	67.7	67.8	67.8	67.8	68.0	68.7
IV 6000	60.6	64.4	66.3	67.0	67.1	67.8	68.1	68.2	68.5	68.8	68.8	68.9	68.9	68.9	69.1	69.4
IV 5000	61.4	65.4	67.4	68.1	68.2	68.9	69.2	69.3	69.6	69.9	69.9	69.9	69.9	70.1	70.5	70.5
IV 4500	62.3	66.2	68.3	69.0	69.1	69.9	70.1	70.2	70.5	70.8	70.8	70.9	70.9	71.1	71.4	71.4
IV 4000	63.7	68.0	70.1	70.9	71.0	71.8	72.0	72.1	72.5	72.7	72.7	72.8	72.8	73.0	73.3	73.3
IV 3500	64.8	69.2	71.4	72.2	72.3	73.1	73.4	73.5	73.8	74.1	74.1	74.1	74.1	74.3	74.7	74.7
IV 3000	67.2	71.8	74.4	75.2	75.7	76.6	76.8	76.9	77.2	77.5	77.5	77.6	77.6	77.8	78.1	78.1
IV 2500	69.0	74.1	76.8	78.0	78.3	79.1	79.3	79.4	79.8	80.0	80.0	80.1	80.1	80.4	80.7	80.7
IV 2000	70.5	75.9	78.9	80.2	80.5	81.5	81.8	81.9	82.3	82.5	82.5	82.6	82.6	82.9	83.2	83.2
IV 1800	70.6	76.0	79.0	80.3	80.6	81.6	82.0	82.1	82.5	82.7	82.7	82.8	82.8	83.0	83.4	83.4
IV 1500	72.0	77.4	81.2	82.7	83.1	84.1	84.5	84.6	85.0	85.2	85.2	85.3	85.3	85.5	85.9	85.9
IV 1200	72.4	78.4	82.0	83.5	83.9	85.0	85.4	85.5	85.9	86.2	86.2	86.2	86.2	86.5	86.9	86.9
IV 1000	73.2	79.5	83.5	85.3	85.8	86.9	87.4	87.5	87.9	88.1	88.1	88.3	88.3	88.5	88.9	88.9
IV 900	73.4	79.7	83.9	85.7	86.2	87.3	87.9	87.9	88.4	88.7	88.7	88.8	88.8	89.0	89.5	89.5
IV 800	73.6	80.1	84.6	86.7	87.3	88.8	89.4	89.4	89.9	90.2	90.2	90.3	90.3	90.5	91.0	91.0
IV 700	73.8	80.6	85.4	87.8	88.4	90.0	90.6	90.7	91.3	91.5	91.5	91.7	91.7	91.9	92.3	92.3
IV 600	73.9	80.7	85.6	88.3	88.9	90.6	91.3	91.4	92.0	92.3	92.3	92.4	92.4	92.6	93.1	93.1
IV 500	74.0	81.1	86.3	89.6	90.4	92.5	93.3	93.4	94.1	94.3	94.3	94.4	94.4	94.7	95.2	95.2
IV 400	74.0	81.3	86.7	90.1	91.0	93.1	94.1	94.2	95.0	95.2	95.2	95.3	95.3	95.6	96.2	96.2
IV 300	74.1	81.4	87.0	90.4	91.4	93.9	95.1	95.2	96.2	96.5	96.5	96.7	96.7	96.9	97.4	97.4
IV 200	74.1	81.4	87.1	90.6	91.7	94.5	95.7	95.9	97.1	97.5	97.5	97.6	97.6	97.8	98.1	98.1
IV 100	74.1	81.4	87.1	90.6	91.7	94.6	96.0	96.1	97.3	97.8	97.8	98.0	98.0	98.2	98.7	98.7
IV 0	74.1	81.4	87.1	90.6	91.7	94.6	96.0	96.1	97.3	97.8	97.8	98.2	98.2	98.7	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
97831

STATION NAME  
FLEET FORT, SC

YEARS  
73-82

MONTH

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	60.2	49.7	52.4	53.6	53.4	54.2	54.3	54.3	54.5	54.6	54.6	54.6	54.7	54.7	54.8	54.9
≥ 20000	50.4	57.1	60.0	61.4	61.7	62.1	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.8	63.1	63.1
IV 18000	50.4	57.3	60.2	61.6	61.9	62.3	62.5	62.5	62.7	62.7	62.8	62.8	62.9	62.9	63.1	63.2
IV 16000	50.4	57.3	60.2	61.6	61.9	62.3	62.5	62.5	62.7	62.7	62.8	62.8	62.9	62.9	63.1	63.2
IV 14000	51.1	57.7	60.6	62.0	62.3	62.7	62.9	62.9	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.6
IV 12000	52.7	58.5	61.8	63.3	63.6	64.0	64.2	64.2	64.4	64.4	64.5	64.5	64.6	64.7	64.8	64.9
IV 10000	54.0	61.8	65.0	66.5	66.8	67.3	67.4	67.5	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.2
IV 9000	54.8	62.1	65.3	66.9	67.1	67.6	67.8	67.8	68.0	68.1	68.1	68.3	68.3	68.4	68.4	68.6
IV 8000	58.4	66.6	70.1	71.8	72.1	72.6	72.8	72.8	73.1	73.1	73.2	73.3	73.3	73.4	73.4	73.6
IV 7000	59.4	67.6	71.2	72.9	73.2	73.8	73.9	74.0	74.2	74.3	74.3	74.4	74.4	74.5	74.5	74.7
IV 6000	59.7	68.0	71.6	73.3	73.7	74.2	74.4	74.4	74.6	74.7	74.7	74.9	74.9	75.0	75.0	75.2
IV 5000	60.4	68.9	72.8	74.3	74.7	75.2	75.4	75.5	75.7	75.8	75.8	75.9	75.9	76.0	76.0	76.3
IV 4500	61.0	69.5	73.2	75.0	75.4	75.9	76.1	76.1	76.4	76.5	76.5	76.6	76.6	76.7	76.7	76.9
IV 4000	61.4	70.5	74.3	76.2	76.6	77.2	77.4	77.4	77.7	77.7	77.7	77.9	77.9	78.0	78.0	78.2
IV 3500	62.4	71.2	75.1	77.0	77.4	78.0	78.2	78.2	78.5	78.6	78.6	78.7	78.7	78.8	78.8	79.1
IV 3000	65.1	74.5	78.8	80.9	81.3	81.9	82.1	82.1	82.4	82.5	82.5	82.6	82.7	82.8	83.0	83.0
IV 2500	67.1	76.9	81.3	83.6	84.0	84.7	84.9	84.9	85.2	85.3	85.3	85.4	85.5	85.6	85.6	85.9
IV 2000	68.7	78.9	83.7	86.0	86.5	87.2	87.5	87.5	87.8	87.9	87.9	88.0	88.1	88.2	88.2	88.6
IV 1800	68.7	79.0	83.8	86.2	86.7	87.5	87.7	87.7	88.0	88.1	88.1	88.2	88.3	88.4	88.4	88.8
IV 1500	70.0	80.9	86.0	88.5	89.1	89.7	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.9	91.2	91.2
IV 1200	70.4	81.4	86.6	89.3	89.9	90.8	91.0	91.1	91.4	91.5	91.5	91.7	91.7	91.8	92.0	92.0
IV 1000	71.1	82.4	87.9	90.9	91.5	92.5	92.8	92.9	93.2	93.3	93.3	93.5	93.5	93.7	93.7	93.9
IV 900	71.2	82.4	88.2	91.3	91.9	93.0	93.3	93.3	93.7	93.8	93.8	94.0	94.0	94.1	94.3	94.3
IV 800	71.3	82.8	88.6	91.7	92.5	93.6	93.9	93.9	94.3	94.4	94.4	94.6	94.6	94.8	94.8	95.0
IV 700	71.4	83.1	89.0	92.3	93.0	94.2	94.5	94.6	95.0	95.1	95.1	95.3	95.3	95.4	95.7	95.7
IV 600	71.5	83.2	89.3	92.7	93.5	94.7	95.1	95.1	95.5	95.7	95.7	95.9	95.9	96.0	96.1	96.3
IV 500	71.5	83.4	89.7	93.3	94.1	95.5	96.0	96.0	96.5	96.6	96.7	96.9	96.9	97.1	97.3	97.3
IV 400	71.6	83.5	89.9	93.6	94.4	96.0	96.5	96.6	97.2	97.3	97.3	97.6	97.6	97.8	97.8	98.0
IV 300	71.6	83.6	90.0	93.8	94.8	96.4	97.0	97.1	97.7	97.9	97.9	98.2	98.3	98.4	98.7	98.7
IV 200	71.6	83.6	90.0	93.9	94.9	96.6	97.2	97.3	98.0	98.3	98.3	98.7	98.7	98.9	98.9	99.3
IV 100	71.6	83.6	90.0	93.9	94.9	96.6	97.3	97.3	98.1	98.4	98.4	98.9	98.9	99.2	99.2	99.6
IV 0	71.6	83.6	90.0	93.9	94.9	96.6	97.3	97.3	98.1	98.4	98.4	98.9	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 29212

DIRNAVOCEANMET SMOS

**SKY COVER.**

831 BEAUFORT, SC

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	37.1			15.2						13.2	34.5	5.1	310
	04	37.1			13.2						15.2	34.5	5.2	310
	07	19.0			26.1						17.1	37.7	6.1	310
	10	21.0			18.1						20.6	40.3	6.4	310
	13	21.6			18.7						22.6	37.1	6.3	310
	16	15.8			21.3						24.5	36.4	6.7	310
	19	18.7			25.5						19.0	36.8	6.2	310
	22	31.3			23.5						11.6	33.5	5.1	310
<b>TOTALS</b>		25.2			20.2						18.0	36.6	5.9	2400

NAVWEASERVCOM

# SKY COVER

93831 BEAUFORT, SC

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	39.4			20.6						12.8	27.3	4.5	282
	04	37.6			20.6						11.7	30.1	4.7	282
	07	21.3			28.0						14.9	35.8	5.8	282
	10	22.7			22.0						20.2	35.1	6.0	282
	13	19.5			24.5						25.9	30.1	6.1	282
	16	15.6			30.5						18.8	35.1	6.1	282
	19	21.3			28.4						21.3	29.1	5.7	282
	22	33.7			24.6						12.0	28.7	4.8	282
TOTALS		26.4			24.9						17.3	31.4	5.8	2286

NAVWEASERVCOM



# SKY COVER

93831 BEAUFORT, SC

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	01	45.7			19.0						12.7	22.7	4.0	300
	04	44.0			21.0						14.0	21.0	4.0	300
	07	24.7			22.0						28.0	25.3	5.7	300
	10	24.3			22.0						26.3	27.3	5.8	300
	13	16.7			27.0						31.7	24.7	6.1	300
	16	16.0			25.0						28.7	30.3	6.4	300
	19	18.0			25.7						29.0	27.3	6.1	300
	22	37.7			26.7						14.7	21.0	4.2	300
<b>TOTALS</b>		<b>28.4</b>			<b>23.6</b>						<b>23.1</b>	<b>28.0</b>	<b>5.3</b>	<b>2400</b>

NAVWEASERVCOM





# SKY COVER

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
PERIOD

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	28.0			27.7						22.3	22.0	5.0	300
	04	30.3			27.7						24.7	17.3	4.8	300
	07	9.3			27.7						37.7	25.3	6.8	300
	10	11.3			20.7						45.3	22.7	7.0	300
	13	4.0			24.3						42.7	29.0	7.5	300
	16	4.3			25.7						41.0	29.0	7.4	300
	19	6.0			22.0						40.0	32.0	7.5	300
	22	19.0			33.0						23.7	24.3	5.6	300
TOTALS		14.0			26.1						34.7	25.2	6.8	2400

NAVWEASERVCOM









60 6150 438

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
III (AUFORT SOUTH CAROLINA) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

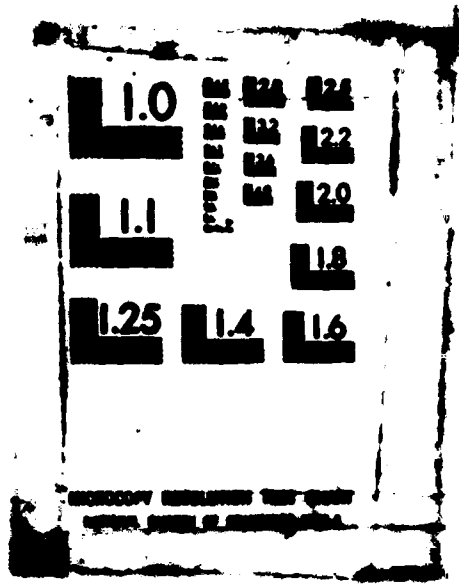
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NI

REV  
10  
3-78



PHOTOCOPIED MATERIALS MAY BE USED  
WITHOUT PERMISSION OF THE NATIONAL ARCHIVES



SKY COVER

91931 STRAFFORD, SC

73-82

40Y

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L&T)	PERCENTAGE FREQUENCY OF TYPES 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	82.7			19.7							11.7	26.7	4.3	100
	04	37.7			21.7							13.7	27.0	4.6	100
	07	19.3			27.3							23.3	30.0	5.9	100
	10	26.7			22.3							21.7	30.0	5.6	100
	13	22.0			21.0							24.0	31.0	6.0	100
	16	19.0			20.3							22.7	30.0	5.9	100
	19	27.7			29.0							18.0	28.3	5.0	100
	22	39.1			22.1							19.4	26.4	4.4	299
TOTAL		29.1			24.2							18.7	28.1	5.2	2399

NAVWEASERVCOM

# SKY COVER

1631

BEAUFORT, SC

73-82

DFC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TERMS OF TOTAL SKY COVER											MEAN TERMS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	36.8			16.8						14.9	32.3	5.0	310
	34	36.8			16.8						14.9	32.6	5.1	310
	07	38.4			24.8						23.9	32.9	6.2	310
	10	39.7			19.4						24.8	37.1	6.5	310
	13	37.1			19.7						26.5	36.8	6.6	310
	16	35.6			25.5						28.3	30.4	6.4	310
	19	27.2			23.0						14.9	35.0	5.5	309
	22	34.7			19.1						15.2	31.7	5.1	309
TOTALS		25.6			20.6						19.3	30.6	5.8	2478

NAYWEASRYCOM

# SKY COVER

91831 SPAUFORT, SC

73-82

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TYPES OF TOTAL SKY COVER										MEAN PERCENT OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
JAN	ALL	25.2			27.2							18.0	36.6	5.9	2480
FEB		26.6			26.9							17.3	31.0	5.5	2256
MAR		19.8			23.5							20.6	36.1	6.2	2479
APR		24.0			23.6							23.1	28.0	5.3	2400
MAY		18.5			28.9							29.5	26.1	6.1	2480
JUN		14.0			26.1							34.7	28.2	6.5	2470
JUL		10.6			26.5							38.0	27.2	6.7	2480
AUG		10.3			33.1							38.1	21.6	6.3	2480
SEP		12.6			27.7							32.6	27.1	6.5	2400
OCT		32.8			26.6							20.0	20.5	6.7	2480
NOV		29.1			24.2							18.7	20.1	5.2	2399
DEC		25.6			20.6							19.3	30.6	5.0	2478
TOTALS		23.1			25.3							28.4	26.3	6.9	29212

NAVWEASERYCOM

WACD, 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 3-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 ( $\sigma_x$ ). 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:
- Dry-bulb temperature
  - Wet-bulb temperature
  - 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.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - 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.
7. 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).

84C

# DAILY TEMPERATURES

STATION

2-1-FORT, SC

STATION NAME

87-87

YEAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17.0						1.2	1.4	0.0					0.5
18					1.4	2.9	11.6	0.0	1.0				7.7
20			0.0	2.1	12.0	30.0	50.0	02.0	18.7	0.0			12.2
25			2.3	12.0	30.3	60.7	80.3	91.3	90.9	11.0	0.5		20.0
30	0.1	1.0	9.0	33.7	69.7	92.0	98.0	99.0	92.5	39.0	7.2	1.2	60.3
35	5.3	8.0	28.3	57.8	89.5	98.1	100.0	99.1	99.0	80.0	27.7	0.1	90.5
40	13.9	20.3	65.0	82.0	97.7	99.7		100.0	90.7	83.0	81.0	19.0	87.7
45	29.7	60.3	89.8	99.0	99.5	100.0			100.0	99.0	71.0	37.0	77.7
50	51.0	99.0	92.7	99.2	99.7					99.0	93.0	80.1	85.7
55	62.0	71.0	91.0	99.9	100.0					99.7	93.4	73.9	91.0
60	73.9	83.0	96.1							100.0	98.2	87.0	90.1
65	88.9	93.9	99.1	100.0							99.0	90.9	98.7
70	99.0	98.0	99.7								99.9	99.0	99.1
75	98.5	99.0	99.9								100.0	99.0	99.0
80	100.0	100.0										100.0	100.0
85			100.0										100.0
90													
95													
100													
MEAN	57.7	60.0	67.7	76.0	82.0	87.0	89.0	88.0	84.0	76.7	68.0	60.0	70.0
SD	11.546	10.160	9.070	7.193	6.140	5.476	5.300	5.760	5.332	6.900	8.040	8.982	12.533
TOTAL OBS	774	706	775	750	775	760	775	775	760	775	760	605	6161

NAVWEASERVCOM

4

### DAILY TEMPERATURES

1971 S.A. PORT, SC 9'-0'

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
8						0.3	1.0	0.6					0.0
9					1.0	13.0	25.0	30.2	7.7	0.0			7.0
10					0.0	10.0	31.0	41.0	22.0	0.0			20.0
11			1.1	11.0	30.0	50.0	59.0	62.0	21.0	0.0	0.0	0.0	31.0
12	1.1	2.0	10.0	30.0	70.0	90.0	100.0	92.0	91.0	12.0	0.0		99.7
13	0.0	0.0	23.0	57.0	91.0	100.0		98.0	82.0	28.0	10.0		97.0
14	15.2	17.0	62.0	79.0	90.0			99.0	80.0	48.0	20.0		86.0
15	20.7	31.0	59.0	72.0	99.0			100.0	91.0	61.0	31.0		70.0
16	31.0	50.0	79.0	90.0	100.0				97.0	77.0	51.0		63.0
17	65.0	80.0	91.0	100.0					99.0	91.0	68.0		9.0
18	77.0	80.0	97.0						100.0	97.0	80.0		90.0
19	91.0	90.0	99.0							99.0	90.0		90.0
20	97.0	99.0	100.0							99.0	99.0		99.0
21	99.0	100.0								100.0	99.0		99.0
22	100.0										100.0		100.0
23												100.0	100.0
24													
25													
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97													
98													
99													
100													
MEAN	70.0	67.0	67.0	68.0	69.0	71.0	72.0	72.0	69.0	67.0	67.0	68.0	68.0
LR	10.102	0.707	0.170	0.008	0.007	0.070	0.010	0.000	0.010	0.070	0.707	10.102	10.102
WIND DIR	175	175	175	175	175	175	175	175	175	175	175	175	175

NAVWEASERVCOM

132205

# DAILY TEMPERATURES

REPORT OF MONTH NAME

97-87

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30						1.0	1.6						
29					1.0	2.6	10.7	10.1	2.1				
28				1.0	11.2	23.8	72.2	71.0	10.1	1.7			27.2
27			1.2	11.2	28.1	29.7	99.3	99.1	72.3	12.0	1.7		37.9
26		1.4	8.1	30.2	70.1	97.3	100.0	99.9	92.8	91.7	9.0	2.1	46.7
25	0.0	7.1	23.9	69.3	93.3	99.0		100.0	98.0	66.1	29.0	7.9	57.7
24	12.0	18.8	28.8	62.9	92.1	100.0			99.9	14.0	62.8	18.1	67.3
23	20.5	32.9	62.3	92.8	100.0			100.0		99.1	67.4	39.3	71.4
22	29.0	52.9	82.0	99.1						99.2	82.7	82.3	82.8
21	62.8	72.8	92.9	100.0						99.9	99.9	70.3	91.6
20	62.1	87.7	97.8							100.0	99.0	98.1	98.2
19	71.9	97.8	99.8								99.7	97.3	98.8
18	97.9	99.2	99.9								100.0	99.9	99.7
17	99.2	100.0	100.0									99.9	99.9
16	100.0											100.0	100.0
15													
14													
13													
12													
11													
10													
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3													
2													
1													
0													
MEAN	51.1	50.5	57.0	66.2	73.0	74.8	81.7	86.9	76.0	67.1	58.0	51.0	65.9
RAIN	7.11	6.23	4.55	6.75	3.40	4.30	5.13	3.23	4.37	7.12	6.42	9.30	13.91
TOTAL GEL	775	708	775	740	775	752	778	778	760	775	787	876	810

NAVWEASERYCOM



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 37091, TC      STATION NAME:      YEARS: 1954-1983      MONTH: JANUARY

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	47.9	10.0	55.7	13.1	76	25.0	1979	47.9	9.0	27	-2.2	1977
2	48.8	9.8	56.7	13.7	76	25.0	1983	48.9	9.0	24	-6.0	1969
3	49.7	9.8	57.7	14.3	77	25.2	1966	49.3	9.1	24	-6.7	1979
4	49.1	9.0	56.1	13.4	77	25.2	1971	49.0	9.3	24	-6.0	1976
5	49.7	9.0	56.8	13.2	77	25.7	1973	49.8	9.7	24	-6.7	1981
6	49.0	9.0	57.2	14.0	77	25.0	1976	49.7	9.2	23	-5.0	1979
7	49.0	9.7	59.0	15.2	76	25.0	1982	49.2	9.2	23	-5.0	1979
8	49.7	9.7	59.7	15.2	77	25.0	1983	49.7	10.2	14	-10.0	1971
9	49.5	8.1	55.7	13.3	75	23.9	1976	49.7	9.0	10	-12.2	1971
10	49.2	7.5	56.3	13.7	77	25.7	1972	49.5	10.9	1	-12.2	1976
11	49.2	7.5	56.0	13.0	77	25.0	1976	49.2	9.2	10	-11.0	1982
12	49.0	7.0	56.2	13.2	76	23.1	1974	49.9	9.7	17	-8.3	1981
13	49.2	7.0	56.7	13.8	77	25.0	1980	49.0	9.0	15	-6.0	1981
14	49.1	7.0	55.3	12.9	77	25.2	1980	49.0	9.7	7	-6.7	1971
15	49.2	8.2	56.3	13.4	77	25.0	1976	49.0	9.0	10	-7.2	1976
16	49.2	7.5	56.2	13.0	76	25.6	1976	49.2	9.0	21	-6.1	1972
17	49.2	7.2	58.7	14.0	77	25.0	1976	49.7	10.3	17	-6.3	1977
18	49.2	7.5	57.7	13.8	77	25.2	1979	49.8	9.7	20	-6.7	1977
19	49.2	7.5	59.0	13.8	76	24.9	1982	49.2	9.2	16	-6.9	1977
20	49.1	9.0	57.1	13.0	76	24.0	1982	49.1	9.0	19	-7.2	1977
21	49.2	9.1	56.2	13.0	77	24.7	1982	49.2	9.7	23	-5.0	1977
22	49.2	9.0	56.7	13.8	76	24.9	1979	49.8	9.1	19	-7.2	1977
23	49.2	9.7	59.1	15.1	77	24.7	1979	49.9	9.0	21	-6.1	1977
24	49.0	10.0	61.2	16.2	77	25.7	1976	49.8	9.0	22	-1.0	1981
25	49.8	9.0	61.2	15.7	77	26.7	1976	49.0	9.1	22	-6.7	1983
26	49.5	10.0	62.9	15.9	77	25.8	1974	49.8	9.7	28	-2.2	1981
27	49.2	9.7	58.7	14.6	77	25.8	1976	49.8	9.0	23	-6.0	1982
28	49.8	9.2	59.7	15.0	77	25.8	1976	49.8	9.7	27	-2.0	1977
29	49.2	9.0	59.1	15.1	81	27.2	1975	49.9	10.0	27	-2.0	1978
30	49.7	10.0	61.0	16.4	77	26.1	1975	49.7	10.2	12	-11.1	1966
31	49.5	9.7	60.7	15.7	81	28.3	1975	49.8	10.0	18	-7.0	1966
Monthly	49.7	9.7	57.9	14.2	83	28.3	1975	49.8	9.0	10	-12.0	1976

\*ALSO ON EARLIER YEARS

08NAVOCEANDET-0808

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 71 W. FORT, NC STATION NAME 1950-1993 YEARS FEB-88 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	'F	'C	'F	'C	'F	DATE	'F	'C	'F	DATE		
1	40.0	4.4	40.0	4.4	61	29.2	1975	30.0	1.1	26	-3.3	1977
2	40.0	4.4	50.0	10.0	72	22.2	1976	30.0	1.1	22	-5.0	1977
3	40.0	4.4	55.0	12.8	76	20.0	1982	30.0	1.1	26	-3.3	1977
4	40.0	4.4	58.0	14.4	71	25.0	1982	30.0	1.1	17	-6.1	1977
5	40.0	4.4	58.0	14.4	70	25.0	1982	30.0	1.1	23	-3.3	1977
6	40.0	4.4	58.0	14.4	71	21.0	1982	30.0	1.1	18	-7.0	1977
7	40.0	4.4	57.0	13.9	72	22.2	1982	30.0	1.1	2	-6.7	1977
8	40.0	4.4	58.0	14.4	75	23.0	1982	30.0	1.1	25	-3.0	1977
9	40.0	4.4	58.0	14.4	71	25.0	1982	30.0	1.1	17	-2.0	1977
10	40.0	4.4	57.0	13.9	81	27.0	1982	30.0	1.1	22	-3.0	1977
11	40.0	4.4	51.0	10.6	79	21.0	1982	30.0	1.1	21	-6.1	1977
12	40.0	4.4	61.0	16.1	75	23.0	1982	30.0	1.1	23	-3.0	1977
13	40.0	4.4	59.0	15.0	76	25.0	1976	30.0	1.1	17	-1.1	1977
14	40.0	4.4	41.0	5.0	81	27.0	1982	30.0	1.1	24	-6.0	1977
15	40.0	4.4	40.0	4.4	77	25.0	1982	30.0	1.1	26	-7.0	1977
16	40.0	4.4	42.0	5.6	77	25.0	1982	30.0	1.1	25	-3.0	1977
17	40.0	4.4	50.0	10.0	78	25.0	1982	30.0	1.1	16	-1.0	1977
18	40.0	4.4	50.0	10.0	78	25.0	1975	30.0	1.1	17	-6.1	1977
19	40.0	4.4	52.0	11.1	74	25.0	1976	30.0	1.1	22	-6.0	1977
20	40.0	4.4	51.0	10.6	73	22.0	1982	30.0	1.1	23	-3.0	1977
21	40.0	4.4	52.0	11.1	75	25.0	1982	30.0	1.1	25	-3.0	1977
22	40.0	4.4	61.0	16.1	79	25.0	1982	30.0	1.1	29	-1.0	1977
23	40.0	4.4	61.0	16.1	82	27.0	1980	30.0	1.1	25	-2.0	1977
24	40.0	4.4	63.0	17.2	80	28.0	1982	30.0	1.1	19	-1.1	1977
25	40.0	4.4	60.0	15.6	79	26.0	1972	30.0	1.1	20	-6.7	1977
26	40.0	4.4	61.0	16.1	81	27.0	1981	30.0	1.1	17	-6.1	1977
27	40.0	4.4	62.0	16.7	81	27.0	1982	30.0	1.1	23	-3.0	1977
28	40.0	4.4	60.0	15.6	80	25.0	1982	30.0	1.1	11	-6.0	1977
29	40.0	4.4	62.0	16.7	79	21.0	1976	30.0	1.1	16	1.1	1977
30												
31												
Monthly	52.0	11.1	40.0	4.4	80	25.0	1982	30.0	1.1	16	-6.0	1977

\*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

31 1967, 10 1-79-1967 10-10

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	F	C	F	C	F	C	F	C	F	C	DATE	
1	60.0	15.6	45.0	13.9	70	21.1	198	61.7	16.5	71	-2.7	1967
2	70.0	21.1	45.0	13.9	61	16.2	199	61.7	16.5	71	-1.0	1967
3	70.0	21.1	45.0	13.9	62	16.7	199	60.7	15.9	71	-1.0	1967
4	70.0	21.1	46.7	13.7	62	16.7	199	65.0	18.9	70	-0.0	1967
5	70.0	21.1	46.7	13.7	61	16.2	199	67.0	19.4	70	-0.0	1967
6	70.0	21.1	45.0	13.9	61	16.2	199	66.0	19.4	70	-0.0	1967
7	70.0	21.1	46.7	13.7	64	18.9	196	64.0	18.9	70	-1.7	1967
8	70.0	21.1	46.7	13.7	64	18.9	197	66.7	19.8	71	-0.0	1967
9	70.0	21.1	45.0	13.9	66	19.4	197	66.1	19.5	71	0.0	1967
10	70.0	21.1	45.0	13.9	66	19.4	197	67.1	19.9	72	0.0	1967
11	70.0	21.1	60.0	15.6	65	18.9	196	66.0	19.4	70	-1.7	1967
12	70.0	21.1	60.0	15.6	67	19.4	197	68.0	20.0	71	-0.0	1967
13	70.0	21.1	45.0	13.9	67	19.4	197	68.0	20.0	72	-1.7	1967
14	70.0	21.1	46.7	13.7	68	20.0	197	67.7	19.9	70	-1.7	1967
15	70.0	21.1	49.0	15.0	67	19.4	198	67.7	19.9	71	1.7	1967
16	70.0	21.1	47.0	14.4	67	19.4	197	68.0	20.0	71	-1.0	1967
17	70.0	21.1	45.0	13.9	69	20.5	198	65.0	19.4	70	-1.0	1967
18	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
19	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
20	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
21	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
22	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
23	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
24	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
25	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
26	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
27	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
28	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
29	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
30	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
31	70.0	21.1	47.0	14.4	69	20.5	198	65.0	19.4	70	-1.0	1967
Monthly	67.0	19.4	67.7	19.9	91	32.0	199	67.0	19.4	71	-0.1	1967

\*ALSO ON EARLIER YEARS

DIRNAVCLEARDET-0800

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

31      A. PORT.      1964-1983      APRIL

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	58.7	14.8	72.0	22.2	87	31.1	1992	50.7	10.4	37	3.1	1971
2	58.7	14.8	73.0	22.8	86	30.6	1979	53.0	11.7	42	5.6	1962
3	58.7	14.8	73.0	22.8	80	27.8	1967	53.0	11.7	37	2.8	1962
4	58.7	14.8	73.0	22.8	87	31.1	1963	50.7	10.4	37	2.8	1971
5	58.7	14.8	72.5	21.9	87	31.1	1978	52.0	11.6	4	4.0	1961
6	58.7	14.8	72.5	22.0	97	37.2	1967	51.7	11.0	39	3.9	1975
7	58.7	14.8	73.0	22.8	92	33.3	1967	52.5	11.4	36	2.2	1974
8	58.7	14.8	70.9	21.6	85	29.4	1977	53.0	11.7	41	4.9	1971
9	58.7	14.8	70.7	21.5	82	27.8	1965	50.2	10.1	36	2.5	1972
10	58.7	14.8	72.5	22.0	84	31.1	1978	51.5	10.8	37	2.6	1972
11	58.7	14.8	71.0	21.7	82	27.8	1962	53.1	11.7	37	2.8	1961
12	58.7	14.8	70.1	21.2	84	29.0	1981	50.3	10.2	41	5.0	1973
13	58.7	14.8	75.5	24.2	91	32.8	1981	55.0	11.1	40	4.0	1976
14	58.7	14.8	75.1	23.9	89	31.7	1972	50.7	10.4	43	6.1	1962
15	58.7	14.8	70.0	21.1	97	37.2	1972	50.7	10.4	41	5.0	1967
16	58.7	14.8	70.2	21.2	82	27.8	1972	53.6	12.0	36	2.2	1962
17	58.7	14.8	70.0	21.1	80	27.8	1967	50.9	10.5	39	3.9	1962
18	58.7	14.8	70.7	21.5	92	33.3	1967	50.8	10.4	44	6.7	1963
19	58.7	14.8	77.0	25.0	91	32.8	1969	57.0	13.3	37	2.8	1963
20	58.7	14.8	77.0	25.0	97	37.2	1968	57.2	14.0	32	0.0	1963
21	58.7	14.8	77.0	25.0	9	32.2	1969	56.7	13.7	39	3.0	1973
22	58.7	14.8	70.0	21.1	89	31.7	1969	57.0	13.3	47	4.8	1978
23	58.7	14.8	70.5	21.4	92	33.3	1981	60.0	15.6	47	6.3	1971
24	58.7	14.8	72.7	22.6	93	34.4	1958	59.0	15.0	46	7.9	1962
25	58.7	14.8	77.5	25.3	93	34.4	1958	59.0	15.0	42	5.6	1974
26	58.7	14.8	77.2	25.1	97	37.2	1975	58.0	14.4	47	6.3	1963
27	58.7	14.8	70.0	21.1	91	32.8	1981	59.7	14.6	40	6.7	1972
28	58.7	14.8	75.2	23.7	92	33.3	1981	59.8	15.2	45	7.2	1967
29	58.7	14.8	77.0	25.0	92	33.3	1970	58.0	14.4	43	6.1	1967
30	58.7	14.8	70.0	21.1	80	27.8	1981	59.0	15.0	47	6.3	1973
31												
Summary	58.7	14.8	75.0	23.9	93	34.4	1958	58.7	13.8	32	0.0	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8805

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: ASHEVILLE, NC YEARS: 1950-1963

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	71.0	21.7	76.0	25.0	91	32.9	1950	61.0	16.7	46	7.8	1953
2	70.7	21.5	75.3	25.2	91	32.9	1950	60.7	16.0	41	5.0	1953
3	70.7	21.5	75.0	25.1	91	32.0	1950	59.9	15.5	40	4.0	1951
4	70.6	21.5	71.5	25.8	91	32.9	1950	58.0	14.0	40	4.0	1951
5	70.6	21.5	70.6	26.0	91	32.2	1951	58.5	14.7	40	4.0	1956
6	70.1	21.2	71.3	27.0	91	32.2	1951	58.9	14.9	40	10.0	1953
7	71.1	21.6	70.6	27.0	91	32.9	1951	62.4	16.9	52	11.1	1958
8	71.1	21.6	70.2	26.4	90	34.0	1959	62.9	17.2	60	9.0	1956
9	71.1	21.6	70.1	26.7	90	30.0	1962	62.8	17.1	51	12.0	1956
10	71.1	21.6	70.1	26.2	90	32.2	1963	62.9	16.0	64	6.0	1961
11	71.7	22.2	71.0	27.7	91	32.0	1963	62.0	16.7	68	6.0	1959
12	71.1	22.2	71.0	27.7	90	31.7	1953	62.0	16.9	66	7.8	1960
13	71.1	22.2	72.8	28.2	91	32.2	1967	62.8	17.0	60	9.0	1961
14	73.5	23.1	72.9	28.3	90	30.0	1962	64.2	17.9	62	11.1	1960
15	73.5	23.1	72.5	28.1	91	32.9	1957	64.7	14.2	57	13.0	1958
16	73.2	22.9	72.8	28.2	91	32.0	1960	62.5	17.5	52	11.1	1961
17	73.2	22.9	72.7	28.2	91	32.7	1963	64.7	17.0	53	11.7	1953
18	74.0	23.6	74.0	28.9	91	32.7	1967	64.7	18.2	52	11.1	1953
19	74.7	23.7	74.2	29.0	91	32.9	1962	64.1	18.9	52	11.1	1956
20	74.7	23.7	74.0	28.9	91	32.9	1960	64.3	18.5	51	17.0	1956
21	74.0	24.1	74.0	29.5	91	32.0	1963	64.5	18.0	53	12.0	1961
22	75.3	24.1	74.3	28.1	91	32.9	1960	64.9	19.1	52	11.1	1961
23	74.7	23.7	72.7	28.2	90	34.0	1951	64.0	19.3	53	12.0	1967
24	75.0	24.1	74.0	28.2	91	32.7	1967	64.9	19.1	51	10.0	1967
25	75.3	24.1	74.2	26.5	91	34.1	1953	64.8	19.2	50	12.2	1967
26	75.7	24.2	74.9	28.1	91	34.1	1962	67.0	19.9	51	10.0	1959
27	76.5	24.6	72.7	28.2	91	34.1	1962	64.0	19.1	50	12.2	1956
28	75.7	24.0	73.8	28.8	90	34.0	1969	64.7	19.2	53	11.7	1961
29	75.0	24.3	74.9	29.9	91	32.0	1962	64.7	19.2	57	13.9	1951
30	74.9	24.7	75.0	29.7	91	34.0	1960	67.0	19.0	50	12.2	1951
31	74.7	25.0	73.9	29.7	91	34.0	1961	64.7	20.0	51	10.0	1951
Monthly	73.1	22.8	72.8	28.0	91	34.1	1950	63.9	17.9	61	5.0	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMO5

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

ASHEVILLE, NC

STATION NAME

1966-1981

YEARS

JUNE

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE	EXTREME	°F	°C	AVERAGE	EXTREME	°F	°C	DATE	
1	66.7	19.8	65.8	80.7	97	36.1	1978	67.9	19.9	47	13.0	1966
2	66.7	19.8	65.8	80.7	96	35.6	1982	68.3	20.1	57	13.9	1967
3	66.7	19.8	65.8	80.7	92	33.3	1980	67.7	19.9	59	15.0	1966
4	66.7	19.8	65.7	80.3	95	35.5	1980	68.3	20.2	67	15.6	1976
5	66.7	19.8	65.2	80.6	94	36.9	1981	68.3	20.2	57	13.9	1976
6	70.8	21.5	68.7	80.2	96	35.6	1977	69.3	20.7	57	13.9	1976
7	70.8	21.5	68.7	80.2	95	35.7	1981	69.7	20.9	63	17.2	1970
8	70.8	21.5	68.7	80.2	96	35.6	1980	69.0	20.6	59	14.9	1976
9	73.4	23.0	68.9	80.3	97	36.1	1982	73.9	23.9	62	16.7	1976
10	73.4	23.0	68.9	80.2	97	36.1	1981	69.9	21.1	60	15.6	1967
11	70.7	21.5	68.5	80.3	96	35.6	1981	69.0	20.6	59	15.0	1960
12	70.8	21.5	68.9	80.9	98	36.7	1977	68.8	20.9	56	13.3	1972
13	70.8	21.5	68.9	81.5	95	35.5	1981	70.0	21.1	61	16.1	1966
14	70.8	21.5	68.2	81.1	98	36.7	1981	70.3	21.3	60	15.6	1987
15	70.8	21.5	67.7	80.4	101	38.3	1981	71.1	21.7	65	18.3	1983
16	70.8	21.5	67.9	80.8	102	38.9	1981	71.5	21.7	61	16.1	1961
17	70.7	21.5	68.3	80.9	101	38.3	1981	69.3	20.7	60	15.6	1979
18	70.8	21.5	68.2	80.1	99	37.2	1981	68.9	20.5	61	16.1	1961
19	70.8	21.5	68.6	80.3	100	37.8	1977	70.1	21.2	57	13.9	1961
20	70.8	21.5	67.2	80.7	99	37.2	1979	70.9	21.6	63	17.2	1965
21	70.8	21.5	67.8	81.0	98	36.7	1981	71.7	22.1	63	17.2	1966
22	70.8	21.5	67.9	80.9	97	36.1	1981	71.9	21.9	61	16.1	1966
23	70.8	21.5	67.9	81.1	101	38.3	1981	71.8	21.6	60	15.6	1972
24	70.8	21.5	68.0	81.1	94	35.6	1981	71.5	21.5	57	13.9	1972
25	70.8	21.5	68.6	81.0	98	36.7	1977	71.7	22.1	63	17.2	1979
26	70.8	21.5	67.3	80.7	97	36.1	1981	72.0	22.2	63	17.2	1979
27	70.8	21.5	67.3	80.7	99	37.2	1989	71.3	21.6	66	18.3	1979
28	70.8	21.5	67.9	81.1	100	37.8	1978	71.5	21.6	60	15.6	1968
29	70.8	21.5	68.0	81.0	102	38.9	1989	71.8	21.6	63	17.2	1970
30	70.8	21.5	69.0	82.1	103	39.9	1989	70.7	21.3	61	16.1	1970
31	70.8	21.5	68.9	80.9	104	40.0	1978	70.3	21.3	60	15.6	1972
Monthly	70.8	21.5	68.9	80.9				70.3	21.3			

\*ALSO ON EARLIER YEARS

DIRNAVCEANMET-8808

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 37431      REAUFORT, NC      1946-1983      YEARS      JULY      MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE	EXTREME		AVERAGE	EXTREME			DATE		
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	10.2	27.3	89.7	32.1	98	36.7	1978	72.7	22.6	69	27.6	1976
2	10.2	27.3	89.6	32.0	98	36.7	1980	72.8	22.7	67	19.0	1975
3	10.2	27.3	90.5	32.5	98	36.7	1972	73.7	22.8	66	18.0	1976
4	10.2	27.3	90.5	32.5	98	36.7	1979	73.0	22.8	67	19.0	1976
5	10.0	27.1	89.0	31.7	97	36.1	1980	72.5	22.5	68	21.0	1976
6	10.2	27.3	88.7	31.5	102	38.0	1977	72.7	22.6	68	17.0	1970
7	10.2	27.3	88.5	31.4	98	36.7	1977	71.8	22.1	62	16.7	1970
8	10.1	26.8	88.1	31.2	98	36.7	1977	72.5	22.5	66	18.0	1970
9	10.0	27.2	89.2	31.9	100	37.8	1977	73.8	22.7	66	18.0	1976
10	10.0	27.2	89.5	31.9	100	37.8	1980	73.3	22.9	69	20.6	1967
11	10.7	27.6	90.0	32.2	100	37.8	1977	73.3	22.9	68	20.0	1970
12	10.9	27.2	88.5	31.4	98	36.7	1980	73.4	23.0	65	18.3	1963
13	10.0	27.0	89.5	31.9	102	38.0	1980	73.3	22.9	67	19.0	1970
14	10.9	27.7	90.2	32.3	100	37.8	1981	73.6	23.1	67	19.0	1976
15	10.3	27.8	89.9	32.2	98	36.7	1983	74.2	23.0	67	19.0	1967
16	10.9	27.7	90.2	32.3	99	37.2	1983	73.7	23.2	62	17.2	1967
17	10.0	27.1	88.9	31.6	100	37.8	1983	72.7	22.6	65	18.3	1967
18	10.0	27.1	88.3	31.3	96	35.6	1983	73.3	22.9	68	20.0	1967
19	10.8	27.7	90.2	32.3	95	35.2	1983	73.4	23.0	67	19.0	1967
20	12.2	27.0	90.3	32.4	96	35.6	1981	74.0	23.3	70	21.1	1958
21	11.7	27.6	89.5	31.9	98	36.7	1977	74.0	23.3	69	20.6	1967
22	11.9	27.7	90.2	32.3	100	37.8	1977	73.7	23.2	68	20.6	1976
23	11.2	27.2	89.2	31.8	97	36.1	1972	73.0	22.8	66	18.0	1976
24	11.9	27.7	90.1	32.3	99	37.2	1983	73.7	23.2	67	19.0	1977
25	12.1	27.6	90.2	32.3	98	36.7	1983	74.0	23.3	67	19.0	1977
26	12.1	27.6	90.1	32.3	99	37.2	1986	74.1	23.4	62	22.6	1979
27	12.2	27.9	89.7	32.1	102	38.9	1986	74.6	23.7	72	22.2	1983
28	12.5	28.1	90.3	32.4	102	38.9	1986	74.7	23.7	72	22.2	1983
29	12.6	28.1	91.2	32.9	101	38.3	1981	74.0	23.3	68	20.0	1977
30	11.8	27.7	90.2	32.3	96	35.6	1981	73.2	22.9	69	20.0	1980
31	11.6	27.6	89.7	32.1	97	36.1	1980	73.5	23.1	68	18.3	1966
Monthly	11.5	27.3	89.7	32.1	101	38.9	1980	73.9	23.0	62	16.7	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8808

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

07431

PFAUFORT, SC

1954-1963

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE	EXTREME	EXTREME	DATE	AVERAGE	EXTREME	EXTREME	DATE		
			°F	°C	°F	°C	°F	°C	°F	°C		
1	71.4	27.4	89.8	31.8	98	36.7	1970	73.5	23.1	66	18.9	1966
2	71.8	27.7	89.8	32.1	100	37.8	1987	73.9	23.3	67	19.4	1966
3	71.8	27.6	89.9	31.9	98	36.7	1972	73.8	23.2	63	17.2	1976
4	71.8	27.7	89.8	32.1	100	37.8	1972	73.8	23.2	66	18.9	1976
5	71.7	27.6	89.8	32.1	98	36.7	1980	73.5	23.1	66	18.9	1976
6	71.2	27.2	89.0	31.7	97	36.1	1981	73.1	22.8	66	18.9	1976
7	71.8	27.6	89.7	32.1	98	36.7	1968	73.1	22.8	68	20.0	1976
8	71.8	27.7	90.0	32.2	100	37.8	1968	73.6	23.1	67	19.4	1976
9	71.8	27.7	90.5	32.8	97	36.1	1972	73.0	23.0	67	19.4	1976
10	72.0	27.8	90.5	32.8	95	35.5	1983	73.7	23.2	70	21.1	1976
11	70.5	26.9	88.2	31.8	95	35.7	1983	72.8	22.7	68	20.0	1969
12	70.3	26.8	87.9	31.1	96	35.6	1980	72.7	22.6	64	17.8	1967
13	70.5	26.9	88.4	31.8	94	35.0	1980	72.8	22.5	63	17.2	1967
14	70.2	26.8	87.8	31.0	93	33.9	1980	72.6	22.6	63	17.2	1967
15	70.3	26.8	87.8	31.7	94	34.0	1980	72.7	22.6	64	17.8	1967
16	70.4	26.9	88.5	31.9	96	35.6	1988	72.5	22.8	66	18.9	1983
17	70.8	27.1	88.9	31.6	100	37.8	1968	72.7	22.6	67	19.4	1976
18	70.7	27.1	88.9	31.6	97	36.1	1978	72.8	22.8	64	17.8	1976
19	70.5	26.9	88.5	31.5	99	37.2	1983	72.6	22.6	65	18.3	1976
20	70.8	27.1	88.8	31.9	102	38.9	1983	72.8	22.7	62	16.7	1976
21	70.8	27.1	88.4	31.9	101	38.9	1983	72.9	22.7	64	17.8	1976
22	71.5	27.5	89.2	31.8	100	37.8	1968	73.8	23.2	65	18.3	1973
23	71.1	27.3	88.8	31.6	101	38.5	1968	73.5	23.1	68	20.0	1973
24	71.2	27.3	89.0	31.7	101	38.5	1968	73.1	22.8	65	18.3	1969
25	70.7	27.1	88.2	31.2	97	36.1	1968	73.8	22.9	66	18.9	1980
26	70.0	26.7	87.2	30.7	95	35.0	1978	72.7	22.8	65	18.3	1969
27	79.8	26.6	87.5	30.8	94	35.0	1981	72.8	22.8	61	16.1	1966
28	79.8	26.6	87.5	30.8	98	36.7	1983	72.8	22.8	62	16.7	1968
29	79.7	26.6	87.1	30.6	98	36.7	1983	72.8	22.8	61	16.1	1968
30	79.5	26.5	87.0	30.6	95	35.0	1970	72.1	22.8	63	18.3	1965
31	79.4	26.5	87.0	30.6	98	36.7	1970	71.8	22.8	63	17.8	1976
Monthly	70.8	27.1	88.6	31.9	102	38.9	1983	72.9	22.7	61	16.1	1980

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1958-1983      RAUFORT, SC      1958-1983      SEPTEMBER

STATION      STATION NAME      YEARS      MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE	EXTREME	EXTREME	DATE	AVERAGE	EXTREME	EXTREME	DATE		
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	70.4	26.3	87.1	30.6	98	36.7	1970	71.7	22.1	63	17.2	1976
2	70.2	26.2	87.3	30.7	93	33.9	1980*	71.2	21.8	63	17.2	1972-
3	72.1	26.2	86.8	30.9	95	35.0	1966	71.8	21.9	61	16.1	1967
4	72.1	26.4	87.6	30.9	95	35.7	1966	71.5	21.9	63	17.2	1967
5	70.2	26.2	87.0	30.6	94	34.4	1983	71.8	21.9	62	16.7	1967
6	71.9	26.1	87.2	30.7	96	35.6	1980	70.7	21.5	63	17.2	1982
7	75.1	25.2	87.2	30.7	97	36.1	1980	70.9	21.6	64	17.8	1972
8	78.3	29.7	86.9	30.3	96	35.6	1980	70.1	21.2	64	17.8	1972
9	78.3	29.7	85.8	29.9	92	33.3	1983*	70.8	21.6	62	16.7	1966
10	77.9	29.5	86.0	30.0	92	33.3	1983	69.9	21.1	59	15.7	1966
11	74.7	25.6	85.8	29.9	95	35.0	1983	70.2	21.2	54	12.2	1976
12	77.3	29.2	85.3	29.6	91	32.8	1975*	69.2	20.7	54	12.2	1976
13	75.9	25.3	83.8	28.8	93	33.9	1978	67.9	19.9	58	14.4	1967
14	76.6	25.8	84.6	29.2	94	34.4	1980*	68.6	20.3	56	13.3	1964
15	76.6	25.8	84.4	29.1	98	36.7	1980	68.7	20.4	56	13.3	1967
16	78.8	25.9	84.3	29.1	98	36.7	1980	69.3	20.7	57	13.9	1967
17	77.1	25.1	85.2	29.6	97	36.1	1972	69.1	20.6	58	14.4	1961
18	76.7	25.8	84.7	29.3	94	34.4	1972*	68.8	20.4	60	15.6	1981*
19	76.9	25.9	84.4	29.1	93	33.9	1978*	69.4	20.8	58	14.4	1981
20	76.7	25.8	84.7	29.3	92	33.3	1970	68.7	20.4	52	11.1	1981
21	74.5	24.7	84.4	29.1	95	35.0	1980	68.5	20.3	58	14.4	1981*
22	74.8	23.8	83.3	28.9	92	33.3	1980*	66.3	19.1	54	12.2	1983
23	74.7	23.3	82.7	28.2	94	34.4	1980	65.9	18.9	49	9.4	1983
24	73.4	23.1	82.9	28.1	94	34.4	1980	64.7	18.2	50	10.0	1967
25	71.7	23.2	82.3	27.9	95	35.0	1961	65.0	18.3	54	12.2	1983*
26	74.7	23.7	82.7	28.2	94	34.4	1961	66.6	19.2	56	13.4	1969
27	75.7	23.9	83.5	28.6	94	34.4	1970	64.8	18.2	56	13.3	1982
28	73.5	23.1	81.7	27.6	91	32.8	1972	68.2	18.9	58	13.8	1981
29	72.2	23.2	79.8	26.6	91	32.8	1975	66.3	18.1	51	11.3	1987
30	72.2	23.2	79.0	26.7	88	31.1	1971	65.8	17.8	48	7.3	1987
Monthly	76.6	25.8	84.6	29.2	93	34.7	1980*	68.6	20.3	48	7.3	1987

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

7331  
STATION

BEAUFORT, SC  
STATION NAME

1958-1983  
YEARS

OCTOBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		DATE
1	73.0	23.0	83.0	28.3	91	32.4	1971	63.0	17.7	49	9.0	1967
2	72.0	22.0	81.0	27.5	87	31.7	1977	63.0	17.7	51	10.0	1966
3	72.0	21.0	82.0	28.9	87	31.7	1971	61.2	16.2	45	7.2	1974
4	70.0	21.0	79.0	26.6	88	31.1	1983	61.1	16.2	42	5.6	1974
5	70.0	21.0	80.1	26.7	97	32.2	1983	59.9	15.8	48	8.9	1974
6	70.1	21.2	79.7	26.5	97	32.2	1981	63.0	15.8	50	10.0	1979
7	70.0	21.0	80.0	26.9	88	31.1	1962	61.3	16.3	47	8.3	1970
8	70.0	21.0	79.2	26.2	86	30.0	1975	61.0	16.3	47	8.3	1973
9	70.0	21.0	80.1	26.7	87	30.6	1982	60.7	15.9	45	7.2	1978
10	69.5	20.8	78.7	23.9	89	31.7	1988	60.3	15.7	48	8.9	1976
11	68.0	20.2	76.0	25.0	88	31.1	1980	58.2	14.6	41	5.3	1976
12	68.0	20.0	79.1	26.2	91	32.9	1975	57.8	14.3	47	8.3	1976
13	68.0	20.0	78.0	23.7	85	29.9	1983	58.0	14.7	38	3.3	1976
14	63.7	20.0	79.3	26.1	87	30.6	1975	58.0	14.7	42	5.6	1977
15	68.0	20.0	77.2	25.1	84	30.0	1970	58.7	14.8	44	6.7	1977
16	68.1	20.1	77.0	25.0	84	28.9	1975	58.0	14.7	39	3.9	1975
17	67.2	19.8	76.0	24.0	89	31.7	1972	58.0	14.7	39	3.9	1977
18	66.0	19.1	76.0	24.0	85	29.0	1980	56.6	13.7	40	4.4	1977
19	65.0	18.7	76.0	24.0	88	31.1	1980	55.0	12.9	42	5.6	1967
20	63.0	17.0	73.0	22.9	84	28.9	1979	53.9	12.2	39	3.9	1981
21	63.0	17.7	73.0	21.8	86	30.0	1982	50.0	12.2	40	4.4	1969
22	63.1	18.0	75.0	23.7	82	27.0	1978	55.6	13.1	40	4.4	1976
23	63.1	18.0	75.2	24.0	83	28.0	1981	54.9	12.7	38	3.3	1976
24	64.0	17.8	73.7	23.2	83	28.0	1975	54.0	12.8	39	3.9	1974
25	62.0	16.0	71.0	22.1	81	27.2	1975	52.0	13.6	38	3.3	1965
26	62.0	16.0	73.0	22.9	87	30.0	1975	51.0	10.7	38	3.3	1962
27	62.0	16.0	73.0	23.1	86	30.0	1978	51.0	10.8	37	2.8	1962
28	62.0	16.0	71.0	22.0	85	29.0	1963	52.1	11.8	37	2.8	1976
29	61.0	16.0	72.1	22.8	82	27.0	1981	51.0	10.7	31	-0.8	1976
30	62.0	16.0	72.0	22.0	82	27.0	1974	52.0	11.8	39	3.9	1968
31	61.0	17.0	72.0	22.7	87	30.0	1961	51.7	12.1	36	1.8	1968
Monthly	67.0	19.0	76.0	24.9	91	32.0	1975	57.0	14.0	31	-0.8	1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8MOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1831  
STATION

RAUFORT, SC  
STATION NAME

1957-1983  
YEARS

NOVEMBER  
MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE
1	46.2	17.9	73.0	23.3	88	31.1	1961	56.3	12.5	41	5.0	1976
2	46.2	17.9	74.7	23.7	86	30.0	1961	53.3	11.8	36	2.2	1963
3	43.7	17.2	73.3	22.9	85	29.4	1972	52.7	11.5	33	.6	1963
4	42.1	16.7	72.3	22.4	84	28.9	1972	51.9	11.1	26	-3.3	1966
5	40.1	15.6	69.9	21.1	83	28.3	1975	50.3	10.2	35	1.7	1967
6	39.6	15.3	69.8	21.0	83	28.3	1959	49.4	9.7	29	-1.7	1976
7	48.4	14.7	69.6	20.9	80	26.7	1961	47.1	8.9	29	-1.7	1967
8	46.4	14.7	68.6	20.3	83	28.3	1975	48.1	8.9	30	-1.1	1967
9	47.1	15.1	70.6	21.4	82	27.8	1975	47.7	8.7	25	-3.9	1976
10	59.6	15.3	69.6	20.9	81	27.2	1979	49.6	9.7	34	1.1	1967
11	57.8	14.3	68.0	20.0	80	26.7	1966	47.8	8.6	34	1.1	1968
12	57.9	14.4	68.4	20.2	80	26.7	1975	47.3	8.5	33	.6	1980
13	56.5	13.6	67.7	19.4	80	26.7	1972	45.9	7.7	11	-.6	1977
14	50.6	13.7	67.4	19.7	81	27.2	1978	45.7	7.6	28	-2.2	1968
15	57.1	13.9	68.1	20.1	80	26.7	1978	46.1	7.8	28	-2.2	1969
16	52.7	14.6	69.1	20.6	81	28.2	1980	47.4	8.6	30	-1.1	1969
17	59.4	15.2	69.5	21.0	84	28.9	1966	49.2	9.4	32	.0	1970
18	52.7	15.7	71.9	21.9	84	30.0	1978	49.0	9.4	33	.6	1983
19	53.3	14.6	69.6	20.9	82	27.8	1988	47.0	8.3	33	.6	1959
20	54.5	13.6	66.7	19.3	76	24.4	1979	46.3	7.9	30	-1.1	1968
21	55.6	13.7	67.3	19.7	79	26.1	1973	45.7	7.6	26	-3.3	1968
22	55.2	12.9	66.4	19.1	79	26.1	1982	46.0	6.7	32	.0	1971
23	55.7	13.3	66.4	19.1	80	26.7	1982	45.0	7.4	27	-2.8	1976
24	57.0	14.1	68.8	19.3	80	26.7	1978	47.9	8.8	22	-3.6	1970
25	46.3	12.9	65.6	19.7	75	23.6	1979	45.0	7.2	19	-7.2	1970
26	48.3	12.8	65.3	18.5	81	27.2	1973	42.6	5.9	30	-1.1	1977
27	49.1	15.1	69.9	21.1	82	27.8	1973	48.3	9.1	27	-2.8	1977
28	46.2	14.6	67.9	19.9	78	25.6	1981	48.8	9.2	33	.6	1976
29	54.7	12.6	64.3	18.1	76	25.6	1977	46.8	7.1	29	-1.7	1959
30	51.0	10.6	60.3	15.8	75	25.6	1970	41.9	5.2	26	-6.9	1959
31												
Monthly	54.1	14.8	68.6	20.3	84	31.1	1961	47.6	8.7	19	-7.2	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8MOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

0031  
STATION

R AUFORT, NC  
STATION NAME

1957-1983  
YEARS

DECEMBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	51.8	10.2	51.5	16.4	81	27.2	1982	39.2	4.3	26	-3.3	1964
2	51.7	10.9	52.7	17.1	79	26.1	1982	40.6	4.8	27	-2.8	1965
3	53.5	11.9	54.5	18.1	81	26.7	1982	42.5	5.8	25	-3.9	1967
4	53.9	12.2	54.8	18.2	79	26.1	1982	42.9	6.1	24	-4.4	1967
5	53.7	12.1	55.5	18.6	78	25.6	1982	41.9	5.5	28	-2.2	1974
6	52.4	11.6	54.0	17.8	76	24.4	1961	41.7	5.4	32	.0	1961
7	52.5	11.4	52.5	16.9	81	27.2	1978	42.4	5.8	26	-3.3	1977
8	52.5	11.4	52.1	16.7	80	26.7	1978	42.0	6.1	25	-3.9	1965
9	51.6	10.8	51.7	16.5	78	25.6	1980	41.1	5.1	20	-6.7	1968
10	51.5	10.8	51.1	16.2	81	27.2	1972	41.8	5.4	22	-5.6	1968
11	51.7	10.9	51.5	16.4	82	27.8	1972	41.9	5.5	22	-5.6	1981
12	51.1	10.6	50.6	15.9	78	25.6	1971	41.6	5.3	20	-6.7	1962
13	51.3	10.7	51.4	16.3	79	26.1	1979	41.2	5.1	12	-11.1	1962
14	50.7	10.4	51.0	16.1	77	25.3	1972	40.4	4.7	21	-6.1	1960
15	50.4	10.2	50.0	15.6	81	27.2	1972	40.4	4.9	21	-6.1	1968
16	50.5	10.3	50.2	15.7	80	26.7	1971	40.9	4.9	20	-6.7	1968
17	49.2	9.6	50.6	15.3	77	25.0	1971	38.8	3.8	24	-8.8	1968
18	47.7	8.7	50.7	15.8	77	25.0	1967	36.8	2.7	25	-3.9	1968
19	49.7	9.4	50.7	15.9	79	26.1	1967	37.4	3.0	21	-6.1	1975
20	51.3	10.7	50.9	16.1	81	27.2	1967	41.0	5.4	18	-7.8	1981
21	47.7	8.7	57.0	13.9	74	23.3	1970	38.3	3.9	17	-8.3	1981
22	47.7	8.7	54.1	15.9	78	25.6	1967	37.3	2.9	21	-6.1	1976
23	49.9	9.9	50.0	15.6	79	26.1	1970	39.9	4.9	26	-3.3	1975
24	49.8	9.7	50.6	15.3	74	23.3	1982	39.4	4.1	16	-8.9	1953
25	47.4	9.1	57.4	15.8	76	24.9	1982	38.9	3.8	11	-11.7	1983
26	47.3	8.8	58.1	18.9	77	25.0	1982	37.8	3.2	13	-10.6	1983
27	48.9	9.4	59.0	19.0	76	24.4	1971	38.9	3.8	22	-5.6	1983
28	51.9	11.1	51.9	16.3	75	23.6	1971	42.4	5.8	24	-4.4	1977
29	49.9	9.9	50.8	15.3	74	23.3	1971	40.1	4.8	21	-6.1	1977
30	52.3	10.2	50.3	15.2	76	24.4	1971	41.2	5.1	26	-3.3	1961
31	51.7	10.9	50.5	15.6	77	25.3	1979	42.9	6.1	21	-6.1	1981
Monthly	50.7	10.4	50.8	16.0	82	27.6	1972	40.5	4.7	11	-11.7	1983

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

**EXTREME VALUES**

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

97511

BEAUFORT, SC

57-87

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
59									93 29				MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
FROM DAILY OBSERVATIONS

03473 HEADFORT, SC 57-87  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59									51				MIN TEMP DAYS
63				31 29					76				MIN TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS



# PSYCHROMETRIC SUMMARY

STATION: BFA FORT, SF

DATE: JAN 1954

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL												
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB, W.B.	Dry Bulb	Wet Bulb	Clear Pct
42/ 41																																		3	7	
50/ 73													.1	.2																			3	3		
74/ 73												.1	.1	.2																			0	0		
74/ 75												.1	.2	.3	.4																		12	12		
74/ 71												.1	.2	.3	.4																		17	17		
72/ 71												.1	.2	.3	.4																		15	15		
77/ 69												.1	.2	.3	.4																		20	20	6	
67/ 67												.1	.2	.3	.4																		62	62	75	
66/ 65												.1	.2	.3	.4																		69	69	42	
66/ 63												.1	.2	.3	.4																		96	96	70	
62/ 61												.1	.2	.3	.4																		102	102	106	
67/ 60												.1	.2	.3	.4																		110	110	91	
63/ 57												.1	.2	.3	.4																		106	106	90	
56/ 55												.1	.2	.3	.4																		107	107	82	
70/ 53												.1	.2	.3	.4																		120	120	81	
72/ 51												.1	.2	.3	.4																		129	129	109	
67/ 49												.1	.2	.3	.4																		146	146	139	
64/ 47												.1	.2	.3	.4																		170	170	122	
61/ 45												.1	.2	.3	.4																		169	169	176	
68/ 43												.1	.2	.3	.4																		162	162	190	
62/ 41												.1	.2	.3	.4																		127	127	162	
60/ 39												.1	.2	.3	.4																		121	121	169	
57/ 37												.1	.2	.3	.4																		119	119	190	
74/ 35												.1	.2	.3	.4																		109	109	122	
30/ 33												.1	.2	.3	.4																		78	78	122	
32/ 31												.1	.2	.3	.4																		77	77	109	
70/ 29												.1	.2	.3	.4																		82	82	106	
28/ 27												.1	.2	.3	.4																		89	89	82	
74/ 25												.1	.2	.3	.4																		82	82	76	
24/ 23												.1	.2	.3	.4																		23	23	60	
22/ 21												.1	.2	.3	.4																		15	15	37	
27/ 19												.1	.2	.3	.4																		9	9	19	
18/ 17												.1	.2	.3	.4																		7	7	9	
16/ 15												.1	.2	.3	.4																		2	2	7	
Station (D)	1																					1		1												
Alt. (ft)																																				
Dry Bulb																																				
Wet Bulb																																				
Clear Pct																																				
Station No. of Hours with Temperature																																				
100 F 120 F 40 F 70 F 80 F 90 F																																				
Total																																				

NAVWASERVCOM



# PSYCHROMETRIC SUMMARY

93811  
STATION

BEAUFORT, SC  
OFFICE NAME

73-82  
YEAR

FEB  
MONTH

PAGE 1  
OF 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.S./W.A.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	1-31	Dry Bulb	Wet Bulb		Dew Point			
80/ 83																				1	1			
82/ 81																				3	3			
80/ 79																				2	2			
78/ 77																				8	8			
76/ 75																				17	17			
74/ 73																				32	32			
72/ 71																				31	31	1		
70/ 69																				93	93	7	1	
68/ 67																				87	87	17	3	
66/ 65																				82	82	53	29	
64/ 63																				108	108	77	55	
62/ 61																				111	111	70	57	
60/ 59																				116	116	97	55	
58/ 57																				118	118	117	100	
56/ 55																				115	115	102	103	
54/ 53																				116	117	91	69	
52/ 51																				123	123	111	59	
50/ 49																				129	129	126	79	
48/ 47																				120	120	144	89	
46/ 45																				125	125	159	107	
44/ 43																				131	131	133	110	
42/ 41																				113	113	136	99	
40/ 39																				106	106	151	133	
38/ 37																				96	96	135	118	
36/ 35																				70	70	108	117	
34/ 33																				64	64	102	113	
32/ 31																				54	54	79	116	
30/ 29																				31	31	75	109	
28/ 27																				41	41	65	116	
26/ 25																				25	25	62	89	
24/ 23																				12	12	36	68	
22/ 21																				9	9	16	59	
20/ 19																				1	1	9	53	
18/ 17																						1	39	
Summ (D)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Mean No. of Hours with Temperature				
Rel. Hum.																				100	100	100	100	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASRYCOM



# PSYCHROMETRIC SUMMARY

93831
BEAUFORT, SC
73-82
MAR

PAGE 1  
MOON (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
92/ 91																		1	1		
93/ 89												.0	.0					3	3		
98/ 87												.0	.0	.1				5	5		
96/ 85												.0	.0					3	3		
94/ 83											.1	.1	.1					10	10		
82/ 81								.2	.2	.0	.1	.1	.0	.0				16	16		
80/ 79					.1	.4	.4	.2	.0	.1								29	29		
78/ 77					.3	.1	.2	.2	.1	.2	.1			.0				32	32		
76/ 75			.0	.1	.6	.6	.2	.2	.1	.2	.1	.0						53	53		
74/ 73			.1	.6	.7	.5	.2	.1	.4	.2	.1	.1						76	76	5	
72/ 71		.1	.4	1.0	.4	.4	.4	.3	.3	.0	.0	.0						94	94	14	
70/ 69		.3	1.2	.8	.6	.6	.2	.3	.2	.2	.2							111	111	37	
68/ 67	.1	1.4	1.7	.8	.4	.5	.5	.6	.2	.2	.0							158	158	92	
66/ 65	.4	2.0	1.8	1.1	.4	.4	.2	.2	.5	.2	.0							185	185	83	
64/ 63	1.0	3.2	1.1	1.3	.5	.8	.2	.2	.2	.1								211	211	190	
62/ 61	1.0	3.2	1.3	1.0	.8	.8	.3	.7	.4									239	239	207	
60/ 59	.8	2.3	1.5	.7	.6	.8	.6	.4	.2	.0								196	196	205	
58/ 57	.4	1.7	1.3	.7	.7	.4	.5	.2	.1									148	148	191	
56/ 55	.2	1.8	1.2	.9	.5	.6	.6	.2										146	146	163	
54/ 53	.3	1.1	1.2	.9	.5	.6	.4	.0										129	130	161	
52/ 51	.2	1.2	.9	.4	.9	.4	.2		.0									101	101	136	
50/ 49	.2	1.0	1.1	.6	.5	.4	.2											98	100	156	
48/ 47	.1	1.5	.8	.9	.5	.2	.1	.0										96	96	147	
46/ 45	.1	1.3	1.1	.3	.2	.2												80	80	121	
44/ 43	.2	1.2	.7	.4	.2	.1												72	72	143	
42/ 41	.2	.9	.6	.6	.1	.1												62	62	103	
40/ 39	.2	.4	.8	.2	.1	.0												48	48	79	
38/ 37	.1	.4	.4	.1														23	23	60	
36/ 35		.3	.1	.0	.0													11	11	43	
34/ 33		.1	.1	.1														9	9	26	
32/ 31		.0	.1															3	3	11	
30/ 29		.2	.1															8	8	10	
28/ 27	.0	.1	.0															8	8	7	
26/ 25		.2																8	8	8	
Element (H)	Σ		Σ		Σ	Σ	Σ	No. Obs.										Mean No. of Hours with Temperature			
Rel. Hum.								≤ 60 F	≤ 65 F	≤ 70 F	≤ 75 F	≤ 80 F	≤ 85 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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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
74/ 23	.0	.2	.0														6	6	10	22
22/ 21		.0															1	1	1	21
20/ 19																			2	18
18/ 17																				12
16/ 15																				5
14/ 13																				6
12/ 11																				5
10/ 9																				1
TOTAL	5.6	26.2	19.6	13.4	9.9	9.2	5.8	4.0	3.2	1.7	.8	.3	.2				2474	2474	2474	2474

Element (X)	$\Sigma$	$\bar{X}$	$\bar{Y}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 67 F	≥ 68 F	≥ 69 F	≥ 70 F	≥ 71 F	
Rel. Hum.	13321053	174161	70.4	20.710	2474						
Dry Bulb	8983202	146572	59.1	10.699	2474	8.9	178.0	49.1	12.8		798.0
Wet Bulb	7306283	132301	53.5	9.670	2474	12.8	48.8	2.8			798.0
Dew Point	6106782	119089	48.1	12.316	2474	98.8	8.9				798.0

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point						
92/ 91														.0	.0							2	2			
90/ 89														.1	.0	.1							5	5		
88/ 87														.2	.2	.0							15	15		
86/ 85														.1	.1	.1							18	18		
84/ 83														.2	.2	.2							25	25		
82/ 81														.2	.2	.1					.0		41	41		
80/ 79														.7	.7	.2					.1		80	80		
78/ 77														.7	1.2	.8					.1		96	96		
76/ 75														.7	1.0	1.1					.2		121	121		
74/ 73														.7	.9	.7					.5		121	121		
72/ 71														.7	1.0	1.0					.5		179	179	37	2
70/ 69														.7	.8	.8					.3		203	203	119	21
68/ 67														.7	.7	.7					.6		263	263	201	79
66/ 65														.7	.5	1.0					.5		229	229	255	151
64/ 63														.5	.6	.5					.3		172	172	258	206
62/ 61														.5	.6	.3					.2		162	162	219	231
60/ 59														.5	.2	.4					.1		147	147	204	215
58/ 57														.4	.1	.1					.1		137	137	183	175
56/ 55														.4	.2	.4					.1		127	127	188	152
54/ 53														.4	.2	.2					.2		77	77	196	147
52/ 51														.4	.1	.0					.1		55	55	150	157
50/ 49														.4	.1	.1					.1		58	58	128	193
48/ 47														.4	.1	.0					.0		22	22	83	124
46/ 45														.4	.2	.2					.2		23	23	65	111
44/ 43														.4	.1	.1					.1		10	10	43	83
42/ 41														.4	.2	.2					.1		9	9	28	87
40/ 39														.4	.1	.1					.1		3	3	17	77
38/ 37														.4	.1	.1					.1				6	63
36/ 35														.4	.1	.1					.1				7	52
34/ 33														.4	.1	.1					.1					43
32/ 31														.4	.1	.1					.1					22
30/ 29														.4	.1	.1					.1					24
28/ 27														.4	.1	.1					.1					20
26/ 25														.4	.1	.1					.1					15
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.						10 F	110 F	120 F	130 F	140 F	150 F	160 F	Total													
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb		Dew Point								
96/ 95																		.0		1	1								
94/ 93									.0		.0	.1	.0	.0						7	7								
92/ 91								.0	.1	.2	.2	.1	.2	.0						20	20								
90/ 89							.1	.2	.2	.2	.2	.1	.1							27	27								
88/ 87						.2	.2	.3	.4	.3	.2	.2	.1							46	46								
86/ 85					.2	.7	.6	.8	.5	.2	.2	.1	.1							87	87								
84/ 83				.2	.9	1.3	.9	.9	.2	.8	.0	.1	.0							116	116								
82/ 81			.1	.4	1.0	1.0	1.3	.6	.8	.2	.2	.1	.0							136	136								
80/ 79		.2	.6	1.0	1.0	1.5	.6	.9	.9	.4	.2									177	177	11							
78/ 77		.2	1.2	1.9	1.9	1.0	.9	.6	.4	.2	.1									202	202	33	7						
76/ 75		.6	2.1	2.1	1.3	.7	.8	.3	.2	.3	.1									209	209	91	21						
74/ 73	.0	1.9	4.0	2.2	.8	.6	.4	.3	.3	.2	.1									273	273	213	61						
72/ 71	.2	3.4	3.9	1.9	.6	.5	.3	.3	.2	.2										274	274	325	175						
70/ 69	.4	4.8	3.1	1.4	.6	.4	.2	.2	.2											284	284	385	303						
68/ 67	.4	2.9	2.3	.5	.3	.3	.3	.1		.0										177	177	366	360						
66/ 65	.5	1.7	1.7	.6	.2	.2	.1	.0												125	125	280	303						
64/ 63	.9	1.3	.9	.5	.4	.4	.1	.0												99	99	218	264						
62/ 61	.2	.6	.8	.3	.5	.1	.0	.0												62	62	147	191						
60/ 59		.7	.9	.3	.2	.1														56	56	105	149						
58/ 57	.0	.3	.9	.4	.2	.0														37	37	100	124						
56/ 55	.1	.2	.4	.1	.3	.0														29	29	74	111						
54/ 53	.1	.3	.3	.2	.2															26	26	92	96						
52/ 51		.1	.1	.1																6	6	33	65						
50/ 49		.0	.1																	4	4	26	53						
48/ 47																						16	66						
46/ 45																						3	80						
44/ 43																							29						
42/ 41																							13						
40/ 39																							17						
38/ 37																							7						
36/ 35																							10						
34/ 33																							3						
32/ 31																							2						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\Sigma^2$	No. Obs.																			Mean No. of Hours with Temperature					
Ref. Hum.					50 F	52 F	54 F	56 F	58 F	60 F																			
Dry Bulb																													
Wet Bulb																													
Dew Point																													

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
100/ 99											.1	.2	.0						8	8					
98/ 97								.0	.1	.1	.2	.0	.1					13	13						
96/ 95							.0	.2	.2	.2	.2	.2						25	25						
94/ 93							.1	.3	.3	.5	.2	.1						38	38						
92/ 91						.1	.3	.5	.4	.4	.2	.1	.0					50	50						
90/ 89					.2	.6	.7	1.1	.4	.2	.1		.1					82	82						
88/ 87				.2	.6	1.2	1.7	.7	.4	.2	.2	.0						127	127						
86/ 85			.0	.3	1.1	1.9	1.3	.5	.4	.4								141	141						
84/ 83			.5	1.2	2.1	1.8	1.0	.7	.4	.0			.0					185	185	5					
82/ 81		.2	1.5	2.2	2.4	1.1	.8	.6	.1	.2		.0						221	221	33					
80/ 79	.1	.9	2.1	2.9	1.5	1.1	.2	.2	.2									220	220	90					
78/ 77	.1	2.3	4.1	2.3	1.6	.4	.3	.1										269	269	201					
76/ 75	.2	4.5	4.5	2.0	.9	.4	.2											305	305	378					
74/ 73	.4	4.7	4.1	1.6	.4	.2	.2	.0	.1									281	281	406					
72/ 71	.4	3.7	1.7	1.0	.2		.1	.0										169	169	426					
70/ 69	.5	2.5	1.6	.6	.2													128	128	313					
68/ 67	.2	1.1	1.3	.4		.1												74	74	186					
66/ 65	.0	.5	.5	.2	.0													32	32	103					
64/ 63		.2	.2	.2		.1												16	16	74					
62/ 61		.2	.1	.0		.0												9	9	26					
60/ 59		.1	.2		.0													7	7	21					
58/ 57																				11					
56/ 55																				3					
54/ 53																				2					
52/ 51																				2					
50/ 49																				2					
48/ 47																				3					
46/ 45																				3					
44/ 43																				1					
42/ 41																				3					
TOTAL	1.9	20.7	22.5	15.1	11.2	9.2	7.0	5.1	3.0	2.2	1.3	.5	.3	.0				2400	2400	2400					

Moment (M)	Z <sub>1</sub>	Z <sub>2</sub>	Z	σ <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature				
Ref. Num.	100 F	100 F	100 F	100 F	100 F	100 F	100 F	100 F	100 F	Total
Dry Bulb	14943883	188635	74.6	6.990	2400					
Wet Bulb	12562617	173309	72.2	4.958	2400	799.8	869.8	300.9	28.2	728.0
Dew Point	11544783	165979	69.2	5.294	2400	647.4	259.9	24.3		728.0

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103										.0							1	1			
100/99										.0	.1						6	6			
98/97								.0	.1	.2	.2						13	13			
96/95								.4	.3	.1	.2	.0					33	33			
94/93						.0	.2	.6	.7	.2	.1		.0				48	48			
92/91				.0	.1	.4	1.0	1.3	.8	.1	.1						95	95			
90/89			.0	.2	1.4	3.1	1.2	.4	.2	.0							162	162			
88/87			.2	.9	2.2	2.4	.3	.2	.1								155	155			
86/85			.1	.8	3.3	2.6	.5	.3	.0	.0							190	190	2	1	
84/83		.1	.8	3.3	3.2	1.6	.4	.4	.0								243	243	10	1	
82/81	.1	.2	2.5	4.3	2.3	.4	.2	.0									248	248	73	9	
80/79	.2	1.0	4.4	3.5	1.6	.3	.0	.0									275	275	203	38	
78/77	.2	3.7	6.6	2.3	.7	.1											340	340	500	120	
76/75	.5	5.7	5.9	1.1	.2												335	335	561	412	
74/73	1.1	4.6	2.0	.8	.1												212	212	598	671	
72/71	.5	1.9	.7	.2													84	84	336	603	
70/69	.1	.7	.3	.0													30	30	127	370	
68/67	.0	.3	.1														10	10	54	129	
66/65																			14	68	
64/63																			2	35	
62/61																				19	
60/59																				3	
58/57																				1	
TOTAL	2.7	18.3	23.4	16.6	12.7	9.1	7.8	4.6	2.7	1.2	.7	.1	.0				2480	2480	2480	2480	
Element (X)	ΣX <sup>2</sup>		ΣX		Σ	ΣX	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.	14929295		189267		76.3	13,986	2480	≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥90 F	Total							
Dry Bulb	16381123		200978		81.0	6,172	2480	748.0	726.8	422.8	32.3	789.0									
Wet Bulb	13938438		185788		74.9	3,187	2480	737.2	885.1	48.0	789.0										
Dew Point	12988887		179381		72.3	3,281	2480	706.2	878.8	18.7	789.0										

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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										8	8			
96/ 95								.2	.3											13	13			
94/ 93							.1	.6	.7	.3	.0									43	43			
92/ 91						.1	.7	1.7	.9	.1	.0									76	76			
90/ 89				.0		.7	2.1	1.0	.3	.2	.0									107	107			
88/ 87				.1	.5	2.3	2.7	.3	.1	.2										156	156			
86/ 85			.1	.4	2.9	3.4	1.0	.4	.1	.0										209	209	1		
84/ 83		.0	.4	2.3	3.6	1.1	.5	.2												201	201	2	1	
82/ 81		.1	2.1	3.6	1.9	.6	.2	.1												211	211	16	3	
80/ 79	.1	.9	4.3	3.7	1.3	.4	.1	.0												272	272	155	11	
78/ 77	.3	3.6	6.8	2.1	1.0	.2	.0													342	342	439	74	
76/ 75	1.2	5.2	5.6	1.5	.9	.0	.0													350	350	607	369	
74/ 73	1.1	5.1	3.8	1.2		.0														281	281	581	637	
72/ 71	.4	2.1	1.7	.8																126	126	336	617	
70/ 69	.2	1.1	.6	.1																51	51	189	356	
68/ 67	.1	.5	.4	.0																25	25	106	189	
66/ 65	.1	.2	.2																	12	12	40	112	
64/ 63		.0																		1	1	8	76	
62/ 61																						4	22	
60/ 59																							12	
58/ 57																							1	
<b>TOTAL</b>	<b>3.5</b>	<b>19.0</b>	<b>26.0</b>	<b>15.8</b>	<b>1.7</b>	<b>8.8</b>	<b>7.5</b>	<b>4.4</b>	<b>1.8</b>	<b>1.2</b>	<b>.2</b>										<b>2480</b>	<b>2480</b>	<b>2480</b>	

Element (H)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≥ 60 F	≥ 65 F	≥ 70 F	≥ 75 F	≥ 80 F	Total	
Dry Bulb	15357007	192083	77.8	13.909	2480			740.1	679.0	302.9	18.0	789.0
Wet Bulb	13645603	163777	74.1	3.303	2480			728.9	540.3	18.0		789.8
Dew Point	12736521	177537	71.6	3.423	2480			677.1	432.0	9.8		789.0

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PAGE 1

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			
96/95											.0	.1	.0								4	4			
94/93										.0	.1	.0									5	5			
92/91									.0	.0	.3	.2									24	24			
90/89									.1	.7	1.0	.1	.1	.0							48	48			
88/87								.1	.7	1.5	.7	.2	.1	.1	.0						82	82			
86/85				.1	1.3	2.3	.8	.3	.2	.1	.1	.0									138	138			
84/83			.1	1.0	2.5	1.2	.5	.3	.3	.2											196	196			
82/81		.1	.9	2.0	2.0	1.1	.5	.3	.1	.0											170	170	3		
80/79		.5	1.9	3.2	1.7	.8	.3	.2	.1	.0	.0										210	210	27	3	
78/77		2.2	4.0	2.3	1.0	.6	.3	.3	.2												263	263	189	27	
76/75	.3	4.0	5.2	2.3	.8	.2	.3	.2	.0												324	324	353	134	
74/73	.5	4.7	5.1	1.1	.5	.3	.1	.2	.2												306	306	454	357	
72/71	.8	3.3	4.4	.8	.7	.2	.0	.0	.0												297	297	413	443	
70/69	.2	1.8	2.4	.4	.2	.2	.1														129	129	292	403	
68/67	.5	1.3	1.7	.7	.2	.2	.1														111	111	213	297	
66/65	.1	1.2	1.6	.2	.2	.0															81	81	141	175	
64/63		.3	.8	.4	.2																33	33	105	142	
62/61		.2	.5	.3	.0																27	27	72	91	
60/59		.1	.5	.2	.0																21	21	41	87	
58/57		.2	.5	.2																	19	19	49	86	
56/55		.0	.2	.0																	7	7	24	80	
54/53			.1																		2	2	14	46	
52/51																							8	31	
50/49																							2	22	
48/47																								12	
46/45																								8	
44/43																								2	
42/41																								1	
TOTAL	2.4	19.9	29.7	15.2	11.7	8.5	5.2	4.0	2.0	.9	.3	.0									2400	2400		2400	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	14745236	184958	77.1	6.310	2400	≥67 F	≥75 F	≥80 F	≥85 F	≥90 F	Total														
Dry Bulb	14014550	182452	76.1	6.888	2400	662.0	816.9	217.2	3.0		720.0														
Wet Bulb	12029747	169429	70.6	5.317	2400	583.2	707.8	2.7			720.0														
Dew Point	11128987	142748	67.8	6.139	2400	503.1	622.3	.9			720.0														

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# PSYCHROMETRIC SUMMARY

17831  
STATION

BEAUFORT, SC  
STATION NAME

73-92  
YEAR

CGT  
OFFICE

PAGE 1  
FORM 1-57

Temp (F)	WET BULB TEMPERATURE DEPRESSION (P)													TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	31	Dry Bulb
93/ 89									.0	.0	.0						3	3	
88/ 87									.0	.1	.0						4	4	
87/ 85					.0	.2	.3	.0	.2	.1	.1				.0		25	25	
86/ 82				.2	.1	.0	.0	.0	.1	.1							39	39	
82/ 81				.0	.3	.0	.3	.4	.4	.4	.1	.1		.0			58	58	
79/ 79			.3	.3	.7	1.0	.8	.5	.0	.3	.1						110	110	1
79/ 77		.2	.0	.0	1.0	.0	.0	.4	.5	.3		.0	.0				116	116	3
76/ 75		.0	.0	.0	.7	.7	.7	.0	.2	.2							130	130	2
74/ 73	.1	.3	1.7	1.0	.5	.9	.4	.4	.2	.0							189	189	65
72/ 71	.1	.0	1.0	1.3	.7	.5	.0	.3	.3	.2	.0						168	168	109
70/ 69	.1	1.0	2.0	.0	.0	.5	.7	.7	.0	.1	.0						198	198	167
69/ 67	.0	.0	3.0	1.0	.0	.7	.4	.0	.3	.2							193	193	182
67/ 65	.1	1.3	2.7	1.2	.0	.0	.2	.0	.2	.0							175	175	203
67/ 63	.2	1.9	1.0	1.0	.0	.3	.2	.1	.2								170	170	226
67/ 61	.2	1.7	1.7	1.1	.0	.0	.2	.2	.0								160	160	190
65/ 59	.2	1.0	2.1	.0	.0	.0	.3	.2									150	150	189
62/ 57	.1	1.2	1.9	1.2	.5	.7	.1	.1									133	133	196
56/ 55	.1	1.2	1.7	1.2	.2	.7	.0	.0									118	118	179
58/ 53		.9	2.1	.0	.0	.1	.0										92	92	151
52/ 51		.7	1.0	.7	.0	.1											92	92	152
50/ 49		.0	1.0	.3	.2	.1											69	69	122
48/ 47	.7	.0	1.2	.0	.0												50	50	120
46/ 45		.0	.0	.1	.1												37	37	80
44/ 43		.2	.0	.2													20	20	69
42/ 41	.1	.0	.0	.0	.0												17	17	29
40/ 39		.1	.1	.2													6	6	23
38/ 37		.0															1	1	13
36/ 35		.1															2	2	3
34/ 33																			3
32/ 31		.0															1	1	3
30/ 29																			1
28/ 27																			5
26/ 25																			3
24/ 23																			1
Station (E)	E <sub>1</sub>		E <sub>2</sub>		E		E <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.										10 F	120 F	140 F	175 F	100 F	100 F	Total			
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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# PSYCHROMETRIC SUMMARY

STATION NAME: SEAFORT, SC YEAR: 73-82 MONTH: OCT  
 PAGE 2  
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																																																																																																																																	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point																																																																																																																														
TOTAL	1.5	1.0	0.3	0.1	16.3	9.6	R.A.	6.0	5.7	3.9	1.7	.7	.1	.7	.0																		2480	2480	2480																																																																																																																															
<table border="1"> <thead> <tr> <th rowspan="2">Element (R)</th> <th><math>\Sigma T</math></th> <th><math>\Sigma W</math></th> <th><math>\Sigma P</math></th> <th><math>\Sigma D</math></th> <th rowspan="2">No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th rowspan="2">Total</th> </tr> <tr> <th>70 F</th> <th>72 F</th> <th>74 F</th> <th>76 F</th> <th>78 F</th> <th>80 F</th> <th>82 F</th> <th>84 F</th> </tr> </thead> <tbody> <tr> <td>Dry Bulb</td> <td>12294629</td> <td>170339</td> <td>70.3</td> <td>17.268</td> <td>2480</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Wet Bulb</td> <td>10534613</td> <td>162049</td> <td>69.3</td> <td>9.960</td> <td>2480</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Dew Point</td> <td>7390070</td> <td>134982</td> <td>59.8</td> <td>10.153</td> <td>2480</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>																																	Element (R)	$\Sigma T$	$\Sigma W$	$\Sigma P$	$\Sigma D$	No. Obs.	Mean No. of Hours with Temperature					Total	70 F	72 F	74 F	76 F	78 F	80 F	82 F	84 F	Dry Bulb	12294629	170339	70.3	17.268	2480																															Wet Bulb	10534613	162049	69.3	9.960	2480																																Dew Point	7390070	134982	59.8	10.153	2480																															
Element (R)	$\Sigma T$	$\Sigma W$	$\Sigma P$	$\Sigma D$	No. Obs.	Mean No. of Hours with Temperature					Total																																																																																																																																																							
	70 F	72 F	74 F	76 F		78 F	80 F	82 F	84 F																																																																																																																																																									
Dry Bulb	12294629	170339	70.3	17.268	2480																																																																																																																																																													
Wet Bulb	10534613	162049	69.3	9.960	2480																																																																																																																																																													
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# PSYCHROMETRIC SUMMARY

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

NOV  
MONTH

PAGE 1  
NOV (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.A.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
84/ 83								.0		.0								2	2								
82/ 81						.1	.2	.1		.1								10	10								
80/ 79			.7		.0	.4	.3	.7		.1	.0							24	24								
78/ 77				.0	.5	.6	.2	.3	.0	.1								19	19								
76/ 75			.2	.4	.4	.7	.7	.4	.1	.1	.2	.0						77	77	1							
74/ 73		.1	.4	.9	.4	.6	.6	.1	.2	.2	.0							80	80	2	1						
72/ 71	.0	.3	.9	.6	.6	.8	.2	.2	.2	.1								100	100	21	3						
70/ 69		.9	2.0	1.1	.7	.4	.3	.3	.1	.0								146	146	69	18						
68/ 67	.0	1.3	1.7	1.1	.4	.2	.3	.3	.2	.2								132	132	92	49						
66/ 65	.4	1.3	2.3	1.1	.8	.3	.5	.4	.3	.0	.1							178	178	138	100						
64/ 63	.4	2.9	1.9	1.5	.4	.4	.2	.3	.2	.0								190	190	188	114						
62/ 61	.3	1.8	1.5	.9	.4	.5	.4	.4	.3	.0								158	158	189	153						
60/ 59	.2	1.2	1.9	.9	.4	.5	.5	.5	.1	.0								144	144	156	145						
58/ 57	.4	.9	1.8	.7	.3	.5	.4	.5	.1									140	140	159	144						
56/ 55	.3	.8	1.7	1.0	.4	.6	.2	.1										138	138	125	167						
54/ 53	.1	1.0	1.4	.8	.9	.3	.4	.1	.0									120	120	128	118						
52/ 51	.3	1.1	.6	.5	.5	.4	.1											102	102	149	107						
50/ 49	.3	1.0	1.2	1.0	.7	.3	.1											113	113	133	107						
48/ 47	.4	.8	1.7	1.0	.6	.3	.2											99	99	135	110						
46/ 45	.3	1.3	.9	.8	.4	.3	.1											100	100	126	93						
44/ 43	.2	.7	1.2	.4	.3	.1												67	67	120	93						
42/ 41	.3	.9	.9	.9	.1	.0												76	76	116	102						
40/ 39	.1	.4	1.1	.4	.0													54	54	103	114						
38/ 37		.3	1.0	.3	.0													42	42	77	118						
36/ 35		.4	.5	.2														25	25	59	76						
34/ 33	.0	.5	.2	.0														20	20	50	87						
32/ 31	.1	.3	.1															12	12	29	60						
30/ 29	.0	.2	.1															9	9	17	61						
28/ 27		.2																4	4	9	71						
26/ 25		.0																1	1	4	46						
24/ 23																					42						
22/ 21																					20						
20/ 19																					19						
18/ 17																					9						
Moist (X)	Σ		Σ		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.									10 F	11 F	12 F	13 F	14 F	15 F	16 F	17 F	18 F										
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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100 2007 04321

# PSYCHROMETRIC SUMMARY

93831 BEAUFORT, SC

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point		
80/79					.1	.0													3	3			
78/77			.0	.1	.2	.1	.0												11	11			
76/75		.0	.0	.2	.1	.2	.2												18	18			
74/73	.0	.1	.2	.3	.2	.2	.1	.1	.1										33	33	3	2	
72/71	.0	.1	.3	.2	.4	.2	.1	.3	.0	.1									41	41	12	3	
70/69	.0	.2	.3	.2	.2	.1	.2	.1	.0										36	36	18	9	
68/67	.1	.3	.8	.4	.1	.2	.2	.2	.1	.2	.0								60	60	31	19	
66/65	.2	.8	.6	.6	.3	.2	.1		.1	.0									75	75	46	34	
64/63	.8	1.5	1.2	.5	.2	.2	.1	.1	.2	.0									112	112	72	57	
62/61	1.0	1.7	.6	.7	.3	.2	.2	.4	.3	.0									136	136	114	74	
60/59	.9	1.5	1.2	.7	.2	.3	.2	.1	.2	.0									137	137	111	108	
58/57	.6	1.5	.7	.6	.3	.5	.3	.2	.0										125	125	122	92	
56/55	.8	1.5	1.0	.7	.6	.6	.4	.3	.0										148	148	108	106	
54/53	.6	1.2	1.0	.7	.6	.6	.4	.3	.0										140	140	109	90	
52/51	.8	1.5	1.0	1.1	.8	.5	.5	.2											175	175	104	105	
50/49	.5	1.5	1.2	.9	.6	.5	.3	.0											134	134	150	87	
48/47	.2	2.2	1.4	1.1	.8	.6	.2	.0											164	164	155	110	
46/45	.6	2.1	1.5	.9	.8	.5	.1												163	163	178	124	
44/43	.3	1.8	1.3	1.3	.7	.3	.0												145	145	170	105	
42/41	.2	1.1	1.0	1.3	.7	.4													114	114	154	117	
40/39	.1	.9	1.3	1.3	.4	.2													100	100	138	120	
38/37	.2	.9	1.0	.5	.6	.2													87	87	123	110	
36/35	.4	1.1	.8	.6	.1														73	73	142	105	
34/33	.1	1.2	1.2	.6	.2														84	84	103	110	
32/31	.3	1.3	.4	.6	.2														68	68	82	104	
30/29	.0	.7	.8	.1															43	43	98	119	
28/27	.1	.6	.3	.1															26	26	49	122	
26/25		.3	.1	.0															11	11	49	101	
24/23		.2	.1																7	7	16	76	
22/21		.2	.0																6	6	11	60	
20/19		.1																	3	3	6	51	
18/17																						43	
16/15																						85	
14/13																						35	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																	
Ref. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 78 F	≤ 88 F	≤ 98 F	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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# PSYCHROMETRIC SUMMARY

93831

BEAUFORT, SC

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
12/ 11																								14
10/ 9																								8
8/ 7																								8
6/ 5																								4
2/ 1																								2
TOTAL	2.6	28.1	23.1	16.5	9.9	6.7	3.7	1.7	1.2	.5	.0										2478		2478	
																					2478		2478	

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	Z	Z <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≥ 60 F	≥ 55 F	≥ 50 F	≥ 45 F	≥ 40 F	≥ 35 F	
Rel. Hum.	13659878	177330	71.6	19.787	2478							
Dry Bulb	6636526	125022	50.5	11.521	2478	49.2	62.0	10.5	.3			795.0
Wet Bulb	558617	113987	46.0	11.252	2478	24.8	17.2	.9				795.0
Dew Point	4587675	100307	40.5	10.169	2478	237.0	9.0	1.2				795.0

NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

ALL  
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													
104/103												.0									1	1											
100/ 99												.0	.0								19	19											
98/ 97												.0	.0	.0							31	31											
96/ 95										.0	.1	.1	.1	.0							76	76											
94/ 93								.0	.0	.1	.2	.1	.0	.0	.0						141	141											
92/ 91				.0	.0	.1	.2	.3	.2	.1	.0	.0	.0	.0	.0						248	248											
90/ 89			.0	.0	.0	.2	.6	.4	.1	.1	.0	.0	.0	.0	.0						437	437											
88/ 87				.0	.2	.6	.7	.2	.1	.1	.1	.0	.0	.0	.0						590	590											
86/ 85			.0	.1	.7	1.0	.4	.2	.1	.1	.0	.0	.0	.0	.0			.0			811	811	3	1									
84/ 83		.0	.1	.7	1.0	.6	.3	.3	.1	.1	.0	.0	.0	.0	.0			.0			968	968	17	2									
82/ 81	.0	.1	.6	1.1	.8	.5	.3	.2	.1	.1	.1	.0	.0	.0	.0			.0			1119	1119	129	16									
80/ 79	.0	.3	1.2	1.2	.8	.5	.3	.2	.1	.1	.1	.0	.0	.0	.0						1408	1408	487	69									
78/ 77	.1	1.0	1.9	1.0	.7	.4	.3	.2	.1	.1	.0	.0	.0	.0							1726	1726	1405	291									
76/ 75	.2	1.7	2.0	.9	.6	.4	.4	.2	.1	.1	.1	.0	.0	.0							1956	1956	2017	1133									
74/ 73	.3	1.8	1.8	1.0	.4	.4	.2	.2	.2	.1	.0	.0	.0	.0							1861	1861	2420	2079									
72/ 71	.2	1.3	1.8	.8	.5	.3	.2	.2	.1	.1	.0	.0	.0	.0							1928	1928	2026	2388									
70/ 69	.1	1.2	1.4	.6	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0							1383	1383	1725	1988									
68/ 67	.1	1.1	1.9	.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0							1357	1357	1565	1587									
66/ 65	.2	1.1	1.2	.6	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0							1243	1243	1474	1415									
64/ 63	.3	1.3	.8	.6	.3	.3	.1	.2	.1	.0	.0	.0	.0	.0							1208	1208	1488	1492									
62/ 61	.4	1.2	.8	.5	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0							1166	1166	1348	1402									
60/ 59	.3	1.0	.9	.5	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0							1088	1088	1220	1295									
58/ 57	.2	.8	.8	.5	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0							965	965	1218	1127									
56/ 55	.2	.7	.8	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0							932	932	1051	1076									
54/ 53	.2	.6	.8	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0							825	828	985	965									
52/ 51	.2	.7	.6	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0							773	773	949	873									
50/ 49	.2	.6	.7	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0							747	749	982	854									
48/ 47	.1	.8	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0							728	728	902	868									
46/ 45	.2	.7	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0							697	697	910	836									
44/ 43	.1	.7	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0							587	587	828	741									
42/ 41	.1	.8	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0							518	518	728	755									
40/ 39	.1	.8	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0							438	438	653	705									
38/ 37	.1	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0							368	368	544	608									
36/ 35	.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0							288	288	488	527									
Element (X)	ΣX		ΣX		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature											Total													
Rel. Hum.																						30 F	32 F	34 F	37 F	40 F	45 F	Total					
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

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4  
NIP 2007-84321

# PSYCHROMETRIC SUMMARY

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

YEAR

ALL  
MONTH

PAGE 2  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
34/33	.0	.5	.5	.2	.1														255	255	406	573			
32/31	.1	.5	.2	.1	.0														219	219	310	538			
30/29	.0	.5	.2	.1	.0														193	193	306	495			
28/27	.0	.5	.1	.1															131	131	212	407			
26/25	.0	.2	.1	.0															84	84	176	308			
24/23	.0	.1	.1	.0															48	48	122	307			
22/21	.0	.0	.0	.0															26	26	65	240			
20/19	.0	.0	.0																8	8	31	218			
18/17		.0	.0																7	7	18	145			
16/15		.0	.0																2	2	7	144			
14/13																					2	104			
12/11																					1	84			
10/9																						63			
8/7																						42			
6/5																						19			
4/3																						12			
2/1																						7			
0/-1																						2			
-2/-3																						1			
-4/-5																						1			
-6/-7																						1			
TOTAL	4.2	22.0	24.1	15.2	10.8	8.4	6.2	4.0	2.6	1.5	.7	.2	.1	.0	.0					29211	29206	29206			
																					29206	29206			

Element (K)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	Y	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	162468364	2111850	72.3	18.268	29202	≥0 F	≥32 F	≥47 F	≥70 F	≥85 F	≥95 F	Total
Dry Bulb	132183690	1918998	65.8	15.100	29211		213.0	700.1	1451.2	1831.2	78.9	2768.0
Wet Bulb	110197770	1747180	59.8	13.984	29206		173.0	537.1	1092.2	91.8		2798.0
Dew Point	97270818	1617761	55.4	16.170	29206	2.3	991.8	2042.1	1933.6	26.9		2768.0

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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831 BEAUFORT, SC

73-82

STATION		STATION NAME												YEAR
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
03	MEAN S. D. TOTAL OBS	40.2 11.235 310	46.0 10.948 282	54.7 8.911 310	60.8 6.721 300	67.9 5.769 310	74.0 4.361 300	76.7 3.161 310	75.8 3.181 310	72.3 4.803 300	60.4 8.224 310	53.8 10.103 300	46.7 11.161 310	61.2 14.039 3652
04	MEAN S. D. TOTAL OBS	42.9 11.819 310	44.3 11.183 282	53.3 9.585 310	58.5 7.371 300	66.0 6.169 310	72.4 4.334 300	75.2 2.897 310	74.3 3.043 310	70.8 4.908 300	58.6 8.406 310	52.4 10.423 300	45.3 11.377 310	59.6 14.175 3652
07	MEAN S. D. TOTAL OBS	41.6 12.084 310	43.0 11.587 282	52.4 9.942 310	59.3 7.192 300	68.3 5.658 310	74.4 4.061 300	76.7 2.919 310	75.3 3.188 310	70.9 5.082 300	58.0 8.523 310	51.2 10.952 300	44.2 11.329 310	59.7 15.169 3652
10	MEAN S. D. TOTAL OBS	47.7 11.115 310	51.3 10.967 282	61.1 9.265 309	69.1 7.053 300	76.9 5.868 310	82.0 5.223 300	84.5 4.014 310	83.1 4.315 310	79.2 5.582 300	68.9 7.681 310	60.8 9.062 300	51.5 9.948 310	68.1 15.020 3651
13	MEAN S. D. TOTAL OBS	54.4 11.570 310	58.2 11.445 282	66.8 10.074 310	74.0 7.365 300	80.8 5.982 310	85.5 6.157 300	88.0 5.414 310	86.6 5.249 310	83.0 5.817 300	74.3 7.690 310	67.3 8.950 300	57.7 10.167 310	73.1 14.199 3652
16	MEAN S. D. TOTAL OBS	55.4 11.197 310	59.3 10.741 282	67.2 9.430 310	73.8 8.901 300	80.1 5.841 310	84.7 6.577 300	86.8 5.490 310	85.7 5.277 310	82.1 5.463 300	74.0 7.324 310	67.1 8.272 300	58.4 9.451 310	72.9 13.391 3652
19	MEAN S. D. TOTAL OBS	48.9 10.317 310	52.3 9.407 282	60.8 8.131 309	67.6 5.860 300	74.6 4.889 310	79.8 5.313 300	81.9 4.501 310	80.4 4.074 310	76.6 4.558 300	66.2 7.143 310	58.6 8.624 300	51.4 9.215 309	66.7 13.602 3650
22	MEAN S. D. TOTAL OBS	45.6 10.822 310	48.2 10.316 282	57.0 8.413 310	63.1 5.852 300	70.4 5.144 310	76.0 4.244 300	78.5 3.339 310	77.5 3.424 310	73.9 4.863 300	62.4 7.889 310	55.5 9.532 299	48.4 10.182 309	63.1 13.814 3650
ALL HOURS	MEAN S. D. TOTAL OBS	47.6 12.240 2880	50.3 12.240 2284	59.1 10.700 2474	65.8 8.952 2400	73.1 7.830 2880	78.6 6.991 2880	81.0 6.172 2880	79.8 6.086 2880	76.1 6.888 2880	65.3 9.961 2880	58.3 11.191 2195	50.5 11.822 2474	65.8 15.184 28211

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# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831 BEAUFORT, SC

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	41.6	42.8	51.5	56.8	64.5	70.9	73.4	72.7	69.2	56.9	50.4	43.8	57.9
	S. D.	11.827	10.928	9.407	7.422	6.212	4.300	2.696	2.823	5.122	8.517	10.383	11.568	14.140
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
04	MEAN	40.5	41.5	50.5	55.2	63.3	69.7	72.4	71.7	68.1	55.5	49.3	42.7	56.8
	S. D.	12.323	11.294	10.112	7.936	6.741	4.430	2.595	2.864	5.334	8.704	10.661	11.568	14.338
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
07	MEAN	39.5	40.7	49.8	56.0	65.1	71.1	73.6	72.6	68.4	55.1	48.5	41.9	56.9
	S. D.	12.482	11.724	10.391	7.825	6.304	4.214	2.825	3.071	5.503	8.917	11.150	11.557	15.105
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
17	MEAN	43.7	46.1	54.7	60.1	67.8	73.6	76.4	75.5	72.1	61.1	54.5	46.9	61.1
	S. D.	11.901	11.051	9.545	7.434	5.882	4.254	2.674	2.863	5.232	8.169	9.621	10.730	14.014
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
13	MEAN	47.5	49.6	56.8	61.7	68.7	74.1	77.0	76.2	73.1	62.8	57.2	50.1	63.0
	S. D.	11.270	10.439	9.170	6.991	5.524	4.127	2.851	2.969	4.714	7.412	9.194	10.330	12.866
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
16	MEAN	48.0	50.0	57.1	61.6	68.7	74.0	76.8	76.0	72.8	62.7	57.0	50.4	63.0
	S. D.	10.934	9.845	8.663	6.509	5.332	4.099	2.957	2.871	4.467	7.160	8.708	9.980	12.481
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	44.7	46.7	54.5	59.6	67.2	72.6	75.2	74.5	71.0	60.4	53.7	47.1	60.7
	S. D.	11.031	9.564	8.415	6.244	5.270	4.282	2.817	2.868	4.494	7.469	9.218	10.184	13.112
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3650
22	MEAN	42.5	44.5	53.0	58.2	66.1	71.8	74.4	73.5	70.1	58.4	51.7	45.1	59.2
	S. D.	11.367	10.223	8.812	6.684	5.598	4.064	2.670	2.814	5.032	8.084	9.873	10.774	13.760
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	299	309	3649
ALL HOURS	MEAN	43.5	45.2	53.5	58.6	66.4	72.2	74.9	74.1	70.6	59.1	52.8	46.0	59.8
	S. D.	11.994	11.130	9.671	7.519	6.161	4.455	3.188	3.304	5.314	8.574	10.374	11.242	13.946
	TOTAL OBS	2480	2258	2474	2488	2488	2488	2488	2488	2488	2488	2399	2478	29286



# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831      BEAUFORT, SC

73-82

STATION		STATION NAME												YEAR
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	37.3 14.907 310	38.7 13.057 282	48.2 11.612 309	53.4 9.598 300	62.4 7.491 310	69.3 6.889 300	71.9 3.010 310	71.3 3.102 310	67.5 5.883 300	54.1 9.754 310	44.8 12.310 300	40.0 13.842 310	55.2 15.994 3651
04	MEAN S. D. TOTAL OBS	36.7 15.100 310	37.7 13.387 282	47.6 12.152 309	52.2 9.800 300	61.5 7.841 310	68.3 5.066 300	71.1 2.909 310	70.5 3.223 310	66.6 6.073 300	52.9 9.894 310	46.1 12.442 300	39.1 13.665 310	54.3 16.080 3651
07	MEAN S. D. TOTAL OBS	38.8 15.197 310	37.2 13.748 282	47.1 12.195 309	53.1 9.649 300	63.0 7.654 310	69.4 4.934 300	72.3 2.866 310	71.3 3.437 310	67.0 6.273 300	52.8 10.234 310	45.5 12.740 300	38.3 13.849 310	54.5 16.682 3651
10	MEAN S. D. TOTAL OBS	37.9 15.832 310	39.7 14.353 282	48.6 12.862 309	53.1 10.949 300	62.5 8.338 310	69.6 5.308 300	73.0 3.210 310	72.3 3.392 310	68.6 6.680 300	55.3 10.821 310	48.5 13.202 300	41.1 14.290 310	55.9 16.494 3651
13	MEAN S. D. TOTAL OBS	39.1 15.864 310	40.0 14.554 281	47.9 13.203 310	52.5 11.010 300	61.6 8.835 310	68.8 5.659 300	72.5 3.535 310	71.8 3.744 310	68.2 6.353 300	54.5 10.607 310	48.2 13.790 300	41.3 15.154 310	55.4 16.373 3651
16	MEAN S. D. TOTAL OBS	39.0 15.921 310	39.6 14.617 282	48.1 13.135 310	52.3 11.024 300	62.0 8.730 310	68.9 5.791 300	72.6 3.743 310	71.8 3.600 310	68.2 6.212 300	54.5 10.678 310	47.7 13.761 300	41.2 15.414 310	55.6 16.493 3651
19	MEAN S. D. TOTAL OBS	38.8 14.958 310	40.1 12.981 282	48.5 11.994 309	53.3 9.878 300	62.7 7.767 310	69.2 5.264 300	72.4 3.271 310	71.9 3.341 310	68.2 5.594 300	56.2 9.268 310	49.0 11.660 300	41.9 13.625 309	56.1 15.603 3650
22	MEAN S. D. TOTAL OBS	37.7 14.659 310	39.9 12.441 282	49.1 11.268 309	54.3 9.172 300	63.5 6.913 310	69.8 4.772 300	72.7 3.044 310	71.7 3.211 310	68.2 5.788 300	58.3 9.434 310	48.0 11.924 299	40.8 13.486 309	56.0 15.724 3649
ALL HOURS	MEAN S. D. TOTAL OBS	37.8 15.324 2880	39.1 13.677 2238	48.1 12.314 2479	53.0 10.167 2400	62.4 7.985 2480	69.2 5.246 2400	72.3 3.252 2480	71.8 3.424 2480	67.8 6.146 2400	54.4 10.154 2400	47.8 12.780 2199	40.5 14.178 2478	56.4 16.194 29209

NAVWEASERVCOM



# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

FEB

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%		
FEB	01	100.0	100.0	99.6	97.9	92.9	83.0	71.6	51.8	19.9	77.3	282
	04	100.0	100.0	100.0	98.9	95.0	85.1	72.0	54.6	24.8	79.1	282
	07	100.0	100.0	100.0	99.6	95.7	89.4	78.4	58.2	29.1	81.1	282
	10	100.0	100.0	99.6	91.8	76.2	60.6	44.3	28.0	12.4	67.0	282
	13	100.0	99.3	87.2	70.5	51.6	35.9	23.8	15.3	6.4	54.6	281
	16	100.0	96.1	80.1	63.5	50.0	34.4	23.4	13.8	5.7	52.3	282
	19	100.0	100.0	97.9	86.2	75.9	61.7	46.5	22.7	7.8	65.7	282
	22	100.0	100.0	99.3	96.8	91.1	81.6	69.1	39.7	14.2	74.7	282
TOTALS		100.0	99.4	98.5	88.2	78.6	66.5	53.6	38.5	15.0	69.0	2255

NAVWEASERVCOM























# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	96.9	90.9	81.5	70.3	57.9	41.8	20.6	71.9	2476
FEB		100.0	99.4	95.5	88.2	78.6	66.5	53.6	35.5	15.0	69.0	2255
MAR		100.0	99.5	96.3	88.6	80.3	69.0	55.4	40.1	16.9	70.4	2474
APR		100.0	99.7	95.3	87.7	77.0	62.9	48.5	32.8	8.5	66.9	2400
MAY		100.0	99.9	98.2	93.2	85.5	73.4	58.3	40.7	11.5	71.8	2480
JUN		100.0	100.0	99.7	97.5	91.2	80.0	63.7	44.5	15.0	74.8	2400
JUL		100.0	100.0	100.0	99.4	95.1	84.9	67.0	44.4	14.4	76.3	2480
AUG		100.0	100.0	100.0	99.6	96.9	86.3	69.2	47.8	18.5	77.5	2480
SEP		100.0	100.0	99.9	98.8	94.9	86.8	69.6	49.5	14.2	77.1	2400
OCT		100.0	99.9	98.6	92.7	84.0	72.1	57.3	34.6	7.8	78.3	2480
NOV		100.0	99.6	96.8	90.8	82.4	71.1	55.7	35.8	10.8	78.1	2399
DEC		100.0	99.7	96.9	91.5	82.8	71.3	57.1	40.3	16.4	71.6	2478
TOTALS		100.0	99.6	97.8	93.2	85.9	74.5	59.4	48.7	14.8	72.3	29282

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

43831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JANUARY  
MONTH

HOURS 11,517

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81			7.1		35.7	7.1	42.9	7.1		14	.6
72 TO 76	2.5		2.5	2.5	27.5	25.0	30.0	10.0		40	1.6
67 TO 71	1.1		3.2	4.3	40.4	17.0	24.5	6.4	3.2	94	3.8
62 TO 66	2.4	1.0	4.3	6.7	31.0	23.8	21.0	3.3	6.7	217	8.5
57 TO 61	4.0	6.2	9.8	10.5	19.3	14.2	20.4	5.5	10.2	275	11.1
52 TO 56	5.1	11.5	11.5	6.4	13.2	10.9	19.0	5.8	16.9	295	11.9
47 TO 51	7.9	16.5	7.9	1.8	6.8	7.3	19.9	8.9	22.8	381	15.4
42 TO 46	12.5	13.8	2.7	1.3	3.4	5.8	25.5	14.9	20.2	377	15.2
37 TO 41	19.3	14.6	2.0	1.0	1.3	2.7	26.2	10.6	22.3	301	12.1
32 TO 36	16.8	10.3	1.3		.4	3.0	26.7	13.8	27.6	232	9.4
27 TO 31	17.3	6.8				2.4	22.6	19.0	32.1	168	6.8
22 TO 26	8.2	8.2				5.5	16.4	17.8	43.8	73	2.9
17 TO 21	22.2						22.2	38.9	16.7	18	.7
12 TO 16							50.0		50.0	2	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.9	10.2	5.0	3.3	10.3	6.9	22.6	10.3	19.3	2405	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

FEBRUARY  
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						33.3	66.7			3	.1
77 TO 81					27.3	18.2	27.3	9.1	18.2	11	.5
72 TO 76		1.5	3.0	12.1	31.8	21.2	18.2	12.1		66	2.9
67 TO 71	.7	1.4	5.6	12.5	35.4	13.9	22.2	4.9	3.5	144	6.4
62 TO 66	2.4	2.9	11.0	7.3	33.1	18.8	17.1	4.5	2.9	245	10.9
57 TO 61	5.2	4.5	12.1	9.0	18.3	12.4	16.9	12.1	9.7	290	12.9
52 TO 56	5.6	10.2	14.1	4.9	16.4	11.5	18.4	7.2	11.5	304	13.5
47 TO 51	13.0	14.3	9.7	2.3	9.0	6.0	17.7	13.3	14.7	300	13.3
42 TO 46	16.7	11.9	6.4	2.2	3.2	6.1	18.3	15.1	20.2	312	13.8
37 TO 41	15.4	16.2	5.4	.8	1.2	3.5	13.9	17.4	26.3	259	11.5
32 TO 36	13.2	20.8	3.1		.6	3.1	14.8	10.1	34.6	159	7.0
27 TO 31	27.3	9.1				1.7	13.2	19.7	33.1	121	5.4
22 TO 26	20.0	7.5				2.5	7.5	20.0	42.5	40	1.8
17 TO 21	50.0							50.0		2	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.3	9.9	8.1	4.5	13.3	9.2	17.0	11.8	16.1	2296	100.0

NAYWEASERYCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

REAFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MARCH

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						22.2	66.7	11.1		9	.8
82 TO 86				11.1	11.1	27.8	33.3	11.1	5.6	18	.7
77 TO 81	2.7			8.1	41.9	18.9	21.6	6.8		78	3.0
72 TO 76	1.7	1.1	5.2	12.6	37.9	18.8	20.1	4.6	2.3	178	7.0
67 TO 71	3.5	1.6	8.2	8.5	36.8	18.9	15.8	4.1	3.1	318	12.8
62 TO 66	2.7	5.8	15.8	10.6	32.0	11.0	10.2	5.2	7.3	538	20.9
57 TO 61	5.2	8.5	17.1	9.1	15.8	10.2	11.8	7.2	15.8	861	33.6
52 TO 56	7.1	12.7	11.8	3.6	7.1	6.5	18.3	11.2	21.6	338	13.4
47 TO 51	11.1	14.1	2.6	2.6	4.3	6.7	15.0	15.8	28.6	238	9.8
42 TO 46	1.8	15.3	2.1		1.1	1.6	15.3	16.3	31.6	190	7.7
37 TO 41	10.8	12.6	2.1		1.1	5.7	12.6	15.8	80.0	95	3.8
32 TO 36	13.0		4.3				8.7	13.0	60.9	23	.9
27 TO 31	30.8					7.7		30.8	30.8	12	.5
22 TO 26	36.4							36.4	27.3	11	.4
17 TO 21								100.0		1	.0
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	6.3	7.7	10.0	4.9		10.3	14.5	9.0	15.5	2877	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

APRIL  
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							100.0			1	0.0
87 TO 91		8.8	8.8	8.8	8.8	23.8	87.6	8.8	8.8	21	0.9
82 TO 86	18.3	1.6	1.6	6.7	18.9	23.8	25.8	9.5	1.6	63	2.6
77 TO 81	1.5	1.5	8.1	18.8	83.9	10.7	18.8	8.1	3.6	186	8.2
72 TO 76	2.7	1.8	10.0	13.6	37.3	13.9	13.3	8.8	2.8	330	13.8
67 TO 71	2.7	3.6	11.8	9.7	32.3	18.3	12.9	8.8	6.8	557	23.2
62 TO 66	3.3	5.3	15.2	8.7	18.3	11.2	15.7	6.7	15.7	897	20.5
57 TO 61	8.2	13.0	10.7	5.1	8.2	5.1	18.6	7.6	27.6	355	14.8
52 TO 56	9.0	9.8	8.1	.9	8.3	3.8	17.1	11.1	38.8	238	9.8
47 TO 51	11.8	6.7	2.9			5.7	14.3	17.1	81.9	105	4.4
42 TO 46	7.9	7.9				5.3	15.8	13.2	80.0	38	1.6
37 TO 41	28.6						14.3	14.3	82.9	7	.3
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	5.0	5.6	10.2	8.2	22.1	10.9	18.2	7.0	14.9	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

43631  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MAY

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	6.3			6.3	18.8	18.8	18.8	25.0	6.3	16	6.6
87 TO 91	8.2	2.4		9.4	17.6	17.6	27.1	9.4	8.2	85	3.8
82 TO 86	4.5	3.9	7.5	14.3	28.7	10.9	16.2	6.0	8.3	268	10.7
77 TO 81	4.2	3.3	7.9	14.8	34.2	15.5	12.8	2.0	5.3	453	18.3
72 TO 76	4.2	5.5	8.8	11.6	32.0	12.4	10.0	3.5	12.1	622	25.1
67 TO 71	6.7	8.7	11.6	6.4	15.5	13.1	12.1	2.9	23.0	595	24.0
62 TO 66	11.2	9.3	5.8	2.7	2.3	10.4	11.2	4.6	42.5	259	10.4
57 TO 61	15.8	9.2	2.3		.8	5.8	10.0	6.7	49.2	120	4.8
52 TO 56	31.1	3.3	1.6			1.6	9.8	6.8	45.9	61	2.5
47 TO 51									100.0	4	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -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											
-59 & LWR											
TOTALS	6.9	6.0	8.0	9.3	22.1	12.4	12.4	4.0	16.8	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

BEAUFORT, SC

JANUARY 1973-DECEMBER 1992

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & E	SSW & S	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-										
123 TO 124										
124 TO 125										
125 TO 126										
126 TO 127										
127 TO 128										
128 TO 129										
129 TO 130	19.0	8.8		8.8	8.8	18.3	19.0	23.8	9.5	21.9
130 TO 131	6.9	1.1	1.1		12.6	17.2	16.8	16.1	8.0	87.3
131 TO 132	2.6	.9	3.8	7.2	27.2	18.6	24.7	11.9	5.5	235.9
132 TO 133	5.3	9.0	12.2	10.9	26.5	18.0	19.0	9.5	6.5	889.7
133 TO 134	3.8	5.5	11.6	10.9	27.3	18.1	10.8	2.7	10.1	587.2
134 TO 135	8.1	12.0	8.0	6.8	12.3	12.0	12.5	9.2	23.8	689.7
135 TO 136	18.7	18.9	9.9	3.0	9.5	9.9	7.1	8.2	38.0	268.2
136 TO 137	18.9	18.5					3.7	1.9	37.0	59.2
137 TO 138	50.0								50.0	10.8
138 TO 139										
139 TO 140										
140 TO 141										
141 TO 142										
142 TO 143										
143 TO 144										
144 TO 145										
145 TO 146										
146 TO 147										
147 TO 148										
148 TO 149										
149 TO 150										
150 TO 151										
151 TO 152										
152 TO 153										
153 TO 154										
154 TO 155										
155 TO 156										
156 TO 157										
157 TO 158										
158 TO 159										
159 TO 160										
TOTALS	8.0	7.8	8.3	7.8	18.9	13.8	13.8	8.8	18.3	2900.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1992  
YEARS

JULY  
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						100.0				1	.0
97 TO 101	5.3			10.5		15.8	52.6	10.5	5.3	19	.8
92 TO 96	7.1	1.6	4.8	7.1	24.6	15.9	23.0	7.1	6.7	126	5.1
87 TO 91	2.2	3.0	8.4	11.9	30.5	13.9	18.8	5.4	6.3	167	14.8
82 TO 86	2.2	4.2	14.7	11.7	31.0	15.4	11.2	2.0	7.5	595	22.0
77 TO 81	2.3	5.5	8.8	6.1	18.1	21.7	11.7	2.9	22.9	751	30.3
72 TO 76	8.9	10.3	5.4	3.0	8.5	14.4	12.3	2.0	35.2	610	24.6
67 TO 71	3.3	18.0		3.3	6.6	11.5	11.5	4.6	39.3	61	2.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.2	6.1	8.7	7.4	20.3	16.8	13.7	3.2	19.6	2480	100.0

NAYWEASERYCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

AUGUST  
MONTH

HOURS 11.5.1.1

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			50.0	4	.2
92 TO 96	0.5	1.1	5.6	0.5	22.5	22.5	21.3	7.9	10.1	89	3.6
87 TO 91	0.9	0.6	0.5	15.0	20.2	15.7	14.0	3.9	0.5	106	12.3
82 TO 86	0.2	7.6	14.0	14.0	20.2	12.0	0.0	1.6	7.2	500	20.2
77 TO 81	0.5	7.0	11.0	7.3	14.6	17.0	11.0	1.0	20.2	735	29.6
72 TO 76	13.0	14.0	4.0	2.7	5.3	0.0	6.7	3.3	02.0	700	28.2
67 TO 71	13.8	25.6	2.3	.8	.8	.8	6.8	3.0	20.3	133	5.4
62 TO 66	30.5	30.8				7.7	15.0		7.7	13	.5
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	0.6	9.9	9.0	0.3	10.3	12.0	9.9	2.7	23.0	2900	100.0

NAYWEASERVCOM

10

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982 SEPTEMBER  
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					100.0					1	.0
92 TO 96			4.8	14.3	28.6	14.3	14.3	4.8	19.0	21	.9
87 TO 91	4.2	2.8	10.6	15.5	24.6	12.0	12.0	4.2	14.1	142	5.9
82 TO 86	6.5	9.9	20.3	13.8	18.1	8.8	9.9	8.6	7.1	356	14.8
77 TO 81	6.8	13.4	18.0	9.4	15.5	11.0	6.8	1.9	17.3	573	23.9
72 TO 76	11.7	16.3	8.4	2.6	6.7	6.7	7.1	2.6	37.8	761	31.7
67 TO 71	24.9	27.7	3.9	1.7	1.4	2.8	4.5	5.0	28.2	358	14.9
62 TO 66	38.8	23.3			.8	3.1	3.1	7.8	23.3	129	5.4
57 TO 61	13.5	19.2						7.7	55.8	52	2.2
52 TO 56						11.1	11.1	22.2	55.6	9	.4
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.6	18.0	11.2	6.9	10.8	7.8	7.1	3.8	28.2	2900	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831 BEAUFORT, SC JANUARY 1973-DECEMBER 1982 OCTOBER  
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

TEMP.	WIND DIRECTION									TOTAL FREQ.	% OF TOTAL	
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM			
122+												
117 TO 121												
112 TO 116												
107 TO 111												
102 TO 106												
97 TO 101												
92 TO 96												
87 TO 91							57.1	28.6	18.3	7	3	
82 TO 86	6.7	3.3	15.3	17.8	20.0	8.9	18.9	6.7	8.9	90	1.8	
77 TO 81	6.6	6.6	24.0	13.2	18.0	11.6	13.2	3.1	7.8	258	10.8	
72 TO 76	9.9	15.1	17.0	9.7	10.8	8.0	8.3	7.1	14.5	157	18.2	
67 TO 71	17.1	17.5	13.0	3.3	8.0	8.7	7.8	6.8	22.2	886	19.6	
62 TO 66	18.5	24.1	6.1	.9	2.1	8.9	8.0	5.4	30.0	427	17.2	
57 TO 61	21.8	22.7	3.8	.5	1.8	3.3	7.7	7.1	32.3	368	18.7	
52 TO 56	18.0	18.0	2.0		.8	2.0	6.8	9.2	43.6	250	10.1	
47 TO 51	25.5	19.9	1.9			1.2	6.2	8.7	36.6	161	6.3	
42 TO 46	21.2	16.7					8.8	15.2	39.8	66	2.7	
37 TO 41	20.0							6.7	13.3	60.0	15	.6
32 TO 36	33.3		33.3						33.3	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	18.1	17.9	9.9	4.3	8.9	8.8	8.9	8.3	23.8	2340	100.8	

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

NOVEMBER  
MONTH

HOURS 115,7

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		33.3		33.3		33.3				1	.1
77 TO 81	5.6	9.2	16.7	11.1	26.9	18.3	11.1	9.2	5.6	72	3.0
72 TO 76	7.8	6.8	18.0	7.3	26.8	13.2	10.7	9.2	9.4	205	8.8
67 TO 71	7.0	9.7	13.3	7.6	17.9	13.6	11.2	3.9	15.8	330	13.8
62 TO 66	13.3	12.7	10.5	9.5	10.3	9.8	7.9	5.3	25.2	457	19.0
57 TO 61	15.6	18.7	8.2	2.5	9.0	6.2	18.3	6.5	22.9	353	14.7
52 TO 56	18.7	16.7	3.9	.3	2.0	3.7	15.3	8.2	31.6	294	12.3
47 TO 51	19.3	18.9	3.6	.4	2.2	2.9	11.6	13.1	28.0	275	11.5
42 TO 46	14.1	12.1	.5	.5	1.0	4.9	12.6	16.0	38.3	206	8.6
37 TO 41	16.5	11.3	1.5		.8	.8	18.8	8.3	42.1	133	5.5
32 TO 36	11.3	7.5					7.5	13.2	60.9	53	2.2
27 TO 31	5.9							17.6	76.5	17	.7
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	13.8	13.3	8.0	3.6	8.7	7.8	12.0	7.8	23.9	2199	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
-VS.  
WIND DIRECTION

5331  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

DECEMBER  
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				14.3	44.3	21.4				14	.6
72 TO 76		1.4	7.0	9.9	43.7	22.5	12.7	1.4	1.4	71	2.9
67 TO 71	.9	4.3	6.8	9.8	39.3	21.8	10.3	1.7	4.0	117	4.7
62 TO 66	.8	4.0	4.0	4.0	34.3	18.3	14.3	3.4	12.7	251	10.1
57 TO 61	6.6	9.3	8.8	3.4	14.1	13.2	17.1	7.8	20.1	339	13.5
52 TO 56	9.7	15.0	8.8	1.7	8.9	10.3	18.1	10.0	21.9	360	14.5
47 TO 51	18.5	18.0	3.2	1.2	4.2	9.5	19.2	11.5	18.7	401	16.2
42 TO 46	18.6	13.9	1.4	.8	1.4	5.5	21.3	12.6	24.3	366	14.8
37 TO 41	17.3	13.2	2.5	.4	.4	2.1	19.8	15.4	28.8	293	11.8
32 TO 36	19.7	19.1	.5		.5	1.4	11.5	13.1	49.0	191	7.7
27 TO 31	18.4	7.8				1.9	7.8	14.5	47.6	103	4.2
22 TO 26	10.5	10.5					5.3	10.5	63.2	19	.8
17 TO 21	12.5							12.5	75.0	8	.3
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	11.9	11.8	9.8	2.3	11.1	9.8	14.9	18.8	23.0	2978	122.8

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93931  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

ALL  
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						100.0				1	.0
97 TO 101	11.1	2.2		6.7	6.6	17.8	31.1	15.6	11.1	85	.2
92 TO 96	5.9	1.2	3.8	5.0	20.9	17.9	25.6	10.3	9.8	380	1.2
87 TO 91	3.6	2.9	6.9	11.7	25.7	15.8	19.5	6.5	7.8	1172	4.0
82 TO 86	9.7	5.6	13.5	13.3	26.2	13.9	12.5	3.9	6.9	2290	7.8
77 TO 81	4.1	6.6	11.9	9.7	22.4	16.5	11.8	2.6	15.1	3738	12.8
72 TO 76	8.2	10.4	8.3	6.7	16.7	11.4	10.6	3.9	24.0	4620	15.8
67 TO 71	10.4	11.1	9.2	6.1	18.6	11.1	11.2	4.7	17.7	3961	13.8
62 TO 66	9.4	9.9	9.7	5.8	18.0	11.5	11.9	5.1	18.7	3055	10.5
57 TO 61	10.1	12.1	9.6	5.3	10.4	6.4	14.0	7.5	22.3	2615	9.0
52 TO 56	10.8	13.1	7.8	2.6	7.6	7.0	16.2	9.0	24.0	2145	7.3
47 TO 51	14.8	16.2	5.1	1.4	4.6	5.3	16.0	12.1	24.6	1861	6.4
42 TO 46	15.8	13.4	2.6	1.0	2.1	5.1	19.4	14.1	26.3	1555	5.3
37 TO 41	16.8	13.8	2.8	.6	.9	2.7	19.2	13.7	29.5	1053	3.6
32 TO 36	14.8	13.3	1.7		.5	2.3	17.1	12.6	37.8	661	2.3
27 TO 31	20.4	7.1				2.1	14.7	17.8	37.9	422	1.4
22 TO 26	13.9	7.6				3.5	11.1	18.8	45.1	144	.5
17 TO 21	20.7						13.8	34.5	31.0	29	.1
12 TO 16							20.0		50.0	2	.0
7 TO 11											
2 TO 6											
-3 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											
-59 & LWR											
TOTALS	9.8	10.1	8.9	6.0	14.9	10.4	13.7	6.8	20.9	29209	100.0

NAVWEASERVCOM

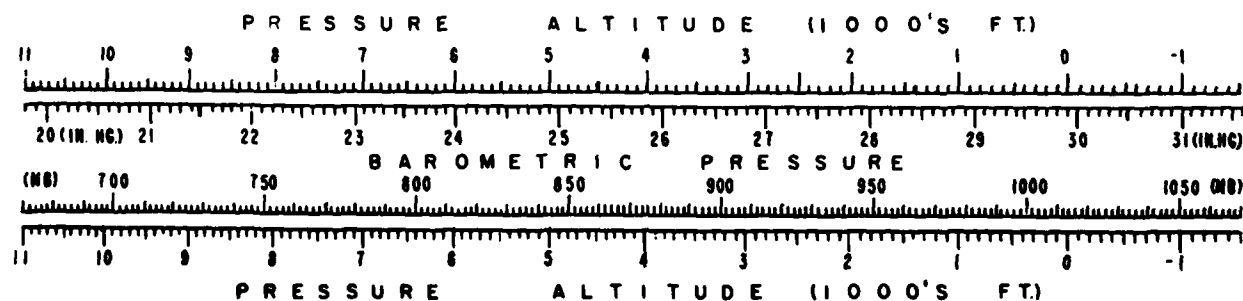
NOCN, Federal Building  
Asheville, N. C.

## 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 HGS FROM HOURLY OBSERVATIONS

93831

BEAUFORT, SC

73-02

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1019.0	1019.9	1017.8	1017.8	1019.3	1016.2	1017.1	1016.0	1016.7	1018.5	1019.9	1020.2	1018.1
	S. D.	6.658	6.247	6.297	5.847	4.113	3.845	3.081	2.775	3.504	4.367	4.788	6.601	5.243
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	1019.7	1019.5	1017.1	1017.4	1014.9	1015.7	1016.6	1017.3	1016.2	1018.3	1019.7	1020.0	1017.7
	S. D.	6.698	6.216	6.390	5.835	4.149	3.804	3.048	2.779	3.392	4.590	4.823	6.542	5.278
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	1020.3	1020.3	1018.3	1018.7	1016.1	1016.8	1017.5	1016.4	1017.2	1019.1	1020.5	1020.6	1018.6
	S. D.	6.801	6.309	6.517	5.925	4.247	3.562	3.071	2.834	3.439	4.724	4.898	6.598	5.311
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1021.6	1021.4	1019.3	1019.4	1016.7	1017.2	1018.2	1019.1	1018.0	1020.0	1021.5	1021.8	1019.5
	S. D.	6.869	6.488	6.699	6.104	4.330	3.629	3.098	2.929	3.550	4.810	5.004	6.678	5.482
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1019.7	1020.0	1018.1	1018.3	1015.7	1016.5	1017.5	1018.3	1017.0	1018.6	1019.7	1020.0	1018.3
	S. D.	6.847	6.571	6.653	6.196	4.354	3.749	3.148	2.963	3.648	4.876	5.064	6.798	5.429
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1018.8	1018.5	1016.5	1016.7	1014.4	1015.3	1016.2	1016.9	1015.6	1017.6	1018.6	1019.1	1017.0
	S. D.	6.664	6.641	6.618	6.172	4.322	3.873	3.231	2.885	3.734	4.825	4.929	6.676	5.422
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	1019.8	1019.3	1017.2	1017.0	1014.4	1015.5	1016.4	1017.2	1016.0	1018.2	1019.6	1019.9	1017.5
	S. D.	6.511	6.620	6.423	6.050	4.194	3.743	3.160	2.815	3.719	4.720	4.863	6.558	5.398
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3658
22	MEAN	1020.4	1020.1	1018.1	1018.0	1015.7	1016.4	1017.4	1018.4	1017.0	1019.0	1020.3	1020.4	1018.4
	S. D.	6.543	6.388	6.228	5.957	4.043	3.554	3.089	2.730	3.708	4.676	4.668	6.525	5.260
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3658
ALL HOURS	MEAN	1020.0	1019.9	1017.8	1017.9	1015.4	1016.2	1017.1	1018.0	1016.7	1018.4	1020.0	1020.2	1018.1
	S. D.	6.734	6.477	6.519	6.061	4.275	3.782	3.175	2.920	3.654	4.774	4.954	6.685	5.401
	TOTAL OBS	2980	2254	2979	2800	2985	2985	2985	2985	2985	2985	2199	2978	29218

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93831      BEAUFORT, SC

73-82

STATION		YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	30.083	30.084	30.024	30.022	29.950	29.977	30.003	30.020	29.991	30.044	30.086	30.093	30.032
	S. D.	.197	.185	.186	.172	.121	.104	.091	.083	.104	.135	.142	.195	.159
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	30.078	30.072	30.004	30.011	29.938	29.960	29.984	30.009	29.975	30.032	30.079	30.087	30.019
	S. D.	.194	.183	.189	.172	.123	.105	.090	.083	.100	.134	.143	.193	.154
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	30.094	30.097	30.034	30.049	29.972	29.993	30.019	30.041	30.009	30.062	30.103	30.105	30.046
	S. D.	.201	.187	.193	.175	.125	.104	.091	.085	.101	.140	.148	.195	.157
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	30.138	30.131	30.064	30.070	29.989	30.007	30.033	30.062	30.020	30.069	30.132	30.142	30.074
	S. D.	.203	.191	.199	.180	.128	.108	.092	.089	.105	.143	.146	.198	.162
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	30.079	30.089	30.031	30.038	29.962	29.984	30.018	30.039	29.990	30.047	30.080	30.087	30.037
	S. D.	.202	.194	.198	.182	.129	.112	.093	.089	.108	.144	.150	.200	.160
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	30.052	30.043	29.984	29.990	29.923	29.950	29.977	29.996	29.957	30.016	30.052	30.060	30.000
	S. D.	.197	.195	.197	.182	.128	.114	.094	.084	.110	.142	.145	.198	.160
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	30.082	30.064	30.001	29.999	29.924	29.958	29.981	30.004	29.970	30.034	30.077	30.084	30.019
	S. D.	.193	.194	.190	.178	.124	.111	.092	.084	.109	.139	.144	.194	.159
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3650
22	MEAN	30.101	30.090	30.031	30.030	29.961	29.984	30.013	30.040	30.000	30.054	30.098	30.101	30.042
	S. D.	.193	.188	.184	.174	.120	.104	.091	.082	.109	.136	.145	.193	.154
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	297	309	3650
ALL HOURS	MEAN	30.088	30.084	30.021	30.026	29.951	29.971	30.001	30.020	29.990	30.040	30.080	30.090	30.031
	S. D.	.199	.191	.193	.174	.124	.110	.094	.087	.104	.142	.147	.197	.164
	TOTAL OBS	2880	2254	2874	2800	2888	2800	2886	2886	2886	2886	2886	2878	29218

END

DATE  
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8 - 85