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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KEY WEST FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

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NATIONAL BUREAU OF STANDARDS-1963-A

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DTIC ACCESSION NUMBER

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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 (NOCDD), Asheville, N.C. welcomes your comment and criticisms.

STATION AND COUNTRYSIDE	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	STATION CODE	AVG NUMBER
12850	Key West, Florida	24°35'N	81°41'W	6	KNQX	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF STATION 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, second deck of building 244	Navy	1953	1960	24°35'N	81°41'W	22	Mercurial	24
2.	Building 244, room 200	"	1960	1969	"	"	22	"	24
3.	" " " 210	"	1969	1971	"	"	23	"	24
4.	" " " 115	"	1971	1974	"	"	11	"	24
1a.	Building 244, room 200	"	1964	1966	"	"	22	Aneroid	24
2a.	" " " " Replacement	"	1966	1971	"	"	25	"	24
3a.	" " " 115	"	1971		"	"	13	"	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	Mounted on tower roof	3 cup	nax-1-48	86'	1. Barograph (ML-3) 2. Auto met. station (OU-89/GMQ-29) 3. Ceiling light (ML-121)
2.	Unknown	Replaced 3 cup anemometer	AN/UMQ-5	RD-108	86'	
3.	1964	1100 feet from tacan	"	RD-108C	MSL 22'	
4.	1964	Approximately 1625 feet southeast of building 244. Spare transmitter atop building 244.	"	"	23'	
5.	1974	Relocated to 1400 feet northeast of runway intersection	AN/UMQ-5	RO-447	16'	

NWSD, Federal Building
Asheville, N.C.

NCCD, 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

1 - 7 STATION NAME 52-7 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	24.0	2.1	74.4				34.4	7.2	9.6			17.4	
FEB		1.5	2.4				12.4	5.1	10.9			18.4	734
MAR		1.1	29.1				24.1	2.2	9.7			11.0	
APR		4.0	24.0				24.0	.3	7.8			6.0	77
MAY		17.5	30.6				38.6	.5	1.0			.2	
JUN		27.9	54.2				74.2	.1	5.0			5.1	7
JUL		20.3	64.2				74.2		3.7			3.7	1
AUG		17.5	42.0				60.0		2.7			2.7	177
SEP		7.7	19.6				27.6	.7	2.5			2.5	11
OCT		14.7	50.4				65.4	.5	7.4			7.8	277
NOV		.3	15.1				15.1	2.5	6.4			7.2	11
DEC		.7	36.1				36.1	3.8	8.0			10.3	77
TOTALS		1.5	43.0				43.0	1.9	6.6			7.6	944

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WEATHER CONDITIONS

1 2 3 4 5 6 7 8 9 10 11 12

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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.
1	01		1.0				1.0	1.0	0.1			0.1	1
2	02		1.0				1.0	1.0	0.2			0.2	2
3	03	.3	3.0				3.0	4.0	10.0			10.0	10
4	04		4.0				4.0	1.0	17.0			1.0	7
5	05	.3	2.3				2.3	1.3	14.0			10.0	10
6	06		1.0				1.0	.7	14.0			1.0	7
7	07		1.0				1.0	.0	8.7			0.0	7
8	08	.3	1.0				1.0	1.0	0.3			0.3	7
9	09												
10	10												
11	11												
12	12												
TOTALS		.1	2.3				2.3	1.0	10.3			11.7	24.0

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WEATHER CONDITIONS

STATION NAME STATION NAME YEARS MONTH

PERCENTAGE FOLLOWUP OF GOOD PRELICE 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.
		.4	7.2				7.3	1.1	8.3			.9	2
	1	.7	3.1				1.	2.8	7.1			.4	1
	2	.4	4.4				4.4	4.3	15.6			1.1	1
	3		1.				1.	1.8	14.7			14.7	1
	4	.4	2.1				2.	1.4	12.4			12.	2
	5		1.1				.4	1.4	12.7			14.2	1
	6		7.1				7.	1.1	3.1			11.1	1
	7	.4	3.1				3.2	1.1	7.4			.	1
TOTALS		.4	3.1				1.4	2.1	11.			1.1	7

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STATION

STATION NAME

YEARS

MONTH

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.
	1	.	2.3				.7	.6	7.4			.	7
	1	.3	2.7				.7	1.	6.7			.	7
	1		1.3				.7	1.6	14.1			17.	
	1		1.				1.	.	15.1			16.	7
	1	.2	1.7				1.7		14.1			14.1	7.
	1	.3	1.3				1.		14.			14.	7
	1		1.				1.	1.6	14.			14.	7
	2	.6	1.				1.	1.3	.6			17.	7
TOTALS		.3	1.				1.	.7	14.1			17.	27

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WEATHER CONDITIONS

1 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.
	1		0.3				0.3		5.7			5.7	1
	2		0.3				0.3		4.7			4.7	1
	3	0.3	7.3				7.3		11.7			11.7	2
	4		0.3				0.3		11.7			11.7	3
	5	0.3	7.3				7.3		11.7			11.7	3
	6		1.3				1.3		11.7			11.7	3
	7	0.3	1.3				1.3		11.7			11.7	3
	8	0.3	1.3				1.3		11.7			11.7	3
	9	0.3	1.3				1.3		11.7			11.7	3
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
TOTALS		0.3	2.3				2.3		6.4			6.4	24

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WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS.

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WEATHER CONDITIONS

STATION NAME STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATION.

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.
	01	1.7	2.3				7.3		7.0			7.7	7.0
	2	2.7	6.3				8.0	.3	7.0			7.7	7.0
	3	.3	4.7				4.7		11.0			11.0	7.0
	17	1.3	5.0				7.0	.7	11.7			11.3	8.0
	1	1.0	6.7				6.7	.3	9.7			11.0	7.0
	1	1.7	5.0				7.7		17.7			17.7	7.0
	1	4.3	4.0				4.7		4.0			8.7	7.0
	2	2.0	3.0				7.0		7.7			7.7	7.0
TOTALS		7.3	4.7				4.0	.2	9.0			7.7	24.0

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WEATHER CONDITIONS

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	1	1.2	2.1				2.1		2.1			2.1	71
	2	2.0	1.1				1.1		1.1			1.1	71
	3	3.7	3.1				3.1		3.7			3.7	71
	10	2.1	6.1				6.1		5.5			5.5	71
	11	.5	4.0				4.0		4.5			4.5	71
	1	4.1	1.1				1.1		6.5			6.5	71
	2	4.2	3.1				3.1		5.1			5.1	71
	27	1.1	2.3				2.3		3.1			3.1	71
TOTALS		1.1	3.1				1.1		5.1			5.1	241

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WEATHER CONDITIONS

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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.
	01	.2	7.4				7.4		3.1			3.1	11
	04	1.5	7.1				7.1		4.2			4.2	11
	07	4.2	6.1				6.1	.3	7.1			7.4	11
	10	7.5	6.5				6.5	.3	7.4			7.7	1
	13	1.1	7.4				7.4		5.5			6.5	11
	1	4.5	3.9				3.9		4.5			4.5	11
	4	.1	5.0				5.0		4.1			4.1	11
	12	3.5	4.5				4.5		5.0			5.0	11
TOTALS		1.2	6.5				6.5	.1	5.6			5.6	240

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WEATHER CONDITIONS

STATION 17-01 EST. 91 STATION NAME 77-01 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.
7	01	2.3	2.3				1.3		1.7			1.7	7.0
	02	1.3	2.7				2.7		2.7			2.0	7.0
	03	2.3	3.7				3.7		4.7			4.7	7.0
	04	4.0	5.3				5.3	.3	3.7			4.7	7.0
	05	6.3	6.3				6.3		2.3			2.3	7.0
	06	2.3	5.7				5.7		2.3			1.3	7.0
	07	.0	6.0				6.7	.3	.7			1.7	7.0
	08	4.3	6.0				6.7		.7			.3	7.0
TOTALS		3.6	4.9				4.6	.1	2.1			2.2	24.0

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WEATHER CONDITIONS

17 MAY 1957, FL

17-00

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.
	01	1.0	3.5				3.5		3.5			3.5	71
	02	.3	3.5				3.8		4.0			4.3	71
	03	1.3	3.0				3.3	.6	9.0			4.4	71
	04	.3	3.0				3.0	.6	9.7			10.3	71
	05	1.0	4.0				4.0	.3	11.3			11.6	71
	06	.6	3.2				3.8		10.0			10.6	71
	07	1.3	3.3				3.0		9.0			7.3	71
	08	1.0	2.9				3.9		4.0			4.9	71
TOTALS		.9	3.0				3.0	.2	7.1			7.3	247

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WEATHER CONDITIONS

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.
	01		3.				1.	2.3	7.7			10.7	10.7
	02	.3	3.7				1.	2.3	7.			10.	10.7
	03	.3	4.3				4.3	5.	17.3			12.7	20.7
	04		5.7				5.	1.3	17.3			14.	20.7
	05		5.3				5.3	1.7	12.7			14.7	20.7
	06	.3	4.7				4.7	1.3	14.			11.	20.7
	07		2.7				1.7	.7	11.			11.7	20.7
	08	.3	3.3				1.3	.7	6.			10.7	20.7
TOTALS		.2	3.				3.6	1.6	17.5			11.6	20.7

NAVWEASERVCOM

1077 2036-54321

4

WEATHER CONDITIONS

1 STATION 1077 2036-54321 STATION NAME 1-42 YEARS 0-1 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	1	.0	3.0				3.0	1.0	1.0			.0	1
2	1		2.0				2.0	1.0	2.0			.0	1
3	1	.3	2.0				2.3	1.0	4.0			6.0	1
4	1		1.0				1.0	2.0	5.0			11.0	1
5	1	.3	3.0				3.0	1.0	7.0			10.0	1
6	1		2.0				.0	1.0	7.0		.0	1.0	1
7	1		2.0				.0	1.0	3.0		.0	5.0	1
8	1	.3	2.0				2.3	.0	2.0			.0	1
9													
10													
11													
12													
TOTALS		.2	2.0				2.0	1.5	4.0		.0	1.0	247

NAVWEASERVCOM

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	2.3				2.3	1.0	1.1			11.1	241
FEB		.3	3.1				3.1	2.1	11.1			1.1	241
MAR		.3	1.1				1.1	.4	13.1			11.1	241
APR		.1	2.1				2.1		6.4			3.4	241
MAY		1.0	3.1				3.1	.1	6.4			.1	241
JUN		1.1	4.1				4.1	.1	9.1			4.1	241
JUL		1.1	3.1				3.1		1.1			.1	241
AUG		1.2	1.1				1.1	.1	1.1			1.1	241
SEP		1.1	4.1				4.1	.1	2.1			.1	241
OCT		.4	3.1				3.1	.2	7.1			3.1	241
NOV		.2	3.1				3.1	1.1	11.1			11.1	241
DEC		.2	2.1				2.1	1.1	4.1		.1	1.1	241
TOTALS		1.1	3.1				3.1	.7	7.1		.1	4.1	241

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17 KEY WEST, FL

JANUARY 1973-DECEMBER 1982

JANUARY

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	.0	1.5							1.5	.7	21.3			75.0
NNE	1.0								2.8		16.7			70.5
NE	.7		.4						1.5		15.6			67.2
ENE	.0	.4	.4						.8		7.1			90.5
E		2.1							.3	.3	6.4			93.0
ESE	.0	1.2									.9			97.9
SE		.5									.6			98.7
SSE	1.0									1.0	5.1			92.4
S		2.5						.9			12.1			85.0
SSW	.0	6.0						2.0			12.0			82.0
SW		2.5						2.6			13.9			80.6
WSW		9.1							1.5		9.1			77.0
W	1.4	11.3									13.0			70.7
WNW	1.0	5.3							10.5		7.9			73.7
NW	1.0	1.6									14.5			82.3
NNW	.0								1.2		15.1			82.0
VARIABLE														
CALM		1.4							4.1	2.7	80.5			74.0
TOTAL	12	32	2					3	31	6	255			214
% TOTAL	.0	1.3	.1					.1	1.3	.2	10.3			86.7

TOTAL NUMBER OF OBSERVATIONS 2,474

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 17 STATION NAME KEY WEST, FL JANUARY 1973-DECEMBER 1982 MONTH FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	2.0	.7						.7	2.4	.3	15.4			40.9
NNE	4.0	1.0	.3					.7	4.3		13.0			75.4
NE	4.0	.8						.0	.8	1.2	7.8			64.5
ENE	0.7	1.7							1.1		6.3			49.7
E	1.0	2.5							.4		12.6			84.7
ESE	0.1	.5							1.1		6.9			58.0
SE	.0	1.4						.0	2.6		6.7			78.0
SSE										1.1	0.7			20.7
S	1.1										11.7			37.0
SSW	.1								0.3		12.9			70.5
SW	.0							0.0			20.0			75.0
WSW	12.0								.3		3.1			81.0
W		.1						2.7			2.7			89.0
WNW											13.0			76.0
NW		1.1							1.1		6.9			47.9
NNW	.0	1.1							0.2		14.8			50.6
VARIABLE														
CALM														
TOTAL	5	8	1						40	6	249			1073
% TOTAL	2.0	1.2	.3					.3	1.0	.3	11.0			84.4

TOTAL NUMBER OF OBSERVATIONS 2,250

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

ST. FL

JANUARY 1973-D CEMLER 1992

MARCH

STATION

STATION NAME

YEAR

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	.6							.6	.6		21.3			77.9
NNE									1.6		21.9			76.5
NE	.6	2.1							2.9		11.3			84.5
ENE	.3										11.4			87.1
E	.6	.4								.2	5.6			91.3
ESE	.6	.3							.3		7.5			91.7
SE	1.2							.3			10.2			89.7
SSE	1.6	.6						.3	.6		12.2			85.6
S		1.6							.6		12.3			87.9
SSW		2.6									15.4			82.1
SW	.6										3.3			61.1
WSW	1.6							7.1			17.9			67.1
W		2.6						2.6			10.6			86.6
WNW		.2						7.2	2.2		13.0			84.6
NW		1.6									11.3			77.5
NNW	.6	.3							3.7		34.3			61.0
VARIABLE														
CALM			1.6						1.6	1.6	14.7			
TOTAL		1.6	1					7	17	2	325			2107
% TOTAL	1.6	.6	.6					.3	.7	.1	13.1			85.7

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

ST. FL

JANUARY 1973-DECEMBER 1982

APRIL

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	WEATHER
N		1.0									5.9			88.0
NNE		1.6									7.1			95.3
NE		1.3									5.6			92.1
ENE	.	3.5									5.6			92.5
E	.	1.6						.			5.2			92.7
ESE	.	1.1						.			7.3			91.0
SE	.	.3									17.0			85.4
SSE	.	.6						.			10.1			88.0
S		5.8									17.1			79.0
SSW	.	4.0									10.7			75.0
SW											11.1			88.9
WSW		6.5									7.2			87.0
W											3.0			96.4
WNW											13.2			86.0
NW											15.9			84.1
NNW		1.4						1.0			14.0			84.0
VARIABLE														
CALM											14.8			81.0
TOTAL	1	79									102			210
% TOTAL	.	1.6						.			8.4			89.0

TOTAL NUMBER OF OBSERVATIONS

2,410

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1 MAY 1973, FL

JANUARY 1973-0-CEMBER 1982

MAY

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	0	2.6						2.0			14.0			8.4
NNE	2.4	1.2						1.2			11.8			42.1
NE	1.0	5.0						0.0			10.7			79.3
ENE	1.0	4.5						0.0	1.3		12.2			82.7
E	1.0	2.3						0.7			8.6			97.5
ESE	1.0	3.2						0.7			4.7			90.3
SE	1.0	2.2						0.6			3.2			92.4
SSE	1.1	4.5						1.1	0.4		5.2			88.8
S	1.1	0.6						1.1			7.8			89.9
SSW	1.0	1.4						2.7			4.1			91.4
SW											2.0			91.4
WSW		0.1						2.4						94.9
W								4.0			23.8			71.4
WNW								2.0			23.7			73.7
NW	1.0							1.6			19.0			79.4
NNW											10.1			84.9
VARIABLE														
CALM														
TOTAL	1	63						24	3		204			2146
% TOTAL	1.0	2.5						1.0	0.1		8.2			87.3

TOTAL NUMBER OF OBSERVATIONS

2,487

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1. WEST, FL

JANUARY 1973-01-01 TO DECEMBER 1982

JUNE

STATION

STATION NAME

YEARS

MONTH

NO. OF

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		1.7						5.2			1.7			93.1
NNE		3.4						3.4			11.3			85.3
NE		5.3						6.7			12.7			77.7
ENE		2.9						2.9			4.4			62.4
E		1.7						1.7			14.2			80.4
ESE		1.3						1.9			5.9			67.1
SE		1.7						1.3	.3		4.9			64.1
SSE		2.9							.5		3.5			94.1
S		2.9						1.4	.5		7.3			84.4
SSW		3.8						2.4	1.3		6.3			86.4
SW		7.1						2.9			4.4			72.1
WSW											4.7			95.1
W		5.7						5.7			11.4			77.1
WNW		11.4						3.6			3.6			77.1
NW		8.8						5.7			5.9			82.4
NNW		5.5						11.4			5.7			80.0
VARIABLE														
CALM		5.8						1.2			11.3			82.4
TOTAL	4.5	5.5						6.0	4		21.4			21.1
% TOTAL	1.7	2.7						2.5	.2		8.9			85.5

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

17 104 WEST, FL

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

[illegible]

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		10.1						25.0			3.2			71.0
NNE		1.0						6.1						77.6
NE	1.0	11.3						11.3			2.4			67.7
ENE	1.0	6.1						7.1						66.9
E	0.1	3.2						4.0			4.6			89.1
ESE		1.5						1.5			6.8			90.7
SE	1.2	0.9						2.5			6.1			87.3
SSE	0.1	5.3						7.2			3.7			89.4
S		0.6						0.6			3.1			96.7
SSW	7.2	3.2						4.6			1.6			98.9
SW								4.1			4.1			91.8
WSW	0.1	7.5						10.0			2.5			90.0
W	7.2							6.2			4.2			57.5
WNW														100.0
NW		0.9						6.7			15.6			75.6
NNW		0.5						22.5			6.5			71.7
VARIABLE														
CALM		1.7						2.2			4.5			62.2
TOTAL	14	70						95			123			2214
% TOTAL	0.1	3.2						3.8			5.0			89.7

TOTAL NUMBER OF OBSERVATIONS

2,482

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17 KEY WEST, FL JANUARY 1973-01 DECEMBER 1982 AUGUST

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	1.0	10.7						14.3			3.6			74.1
NNE	0.0	5.0						10.0						75.0
NE	1.0	6.1						6.5			3.0			84.4
ENE	1.0	5.5						4.6			3.7			81.3
E	1.0	2.5						4.3			3.8			90.0
ESE	0.0	2.3						1.3			6.6			90.0
SE	0.7	3.0						7.1			4.5			89.1
SSE	0.0	3.2						6.4			10.3			79.1
S	0.0	7.7						9.4			5.1			83.8
SSW	0.1	8.5						10.2			5.1			78.1
SW	14.3	14.3						19.0			4.8			56.7
WSW	0.0	12.5						12.0	4.2		16.7			58.1
W	0.0							10.0						70.0
WNW	1.0	11.5						3.0			12.2			61.5
NW		6.4						10.3			10.3			72.4
NNW		3.4						7.1			3.6			89.1
VARIABLE														
CALM	4.3	4.3						1.6	0.6		0.5			61.1
TOTAL	4.3	17.6						12.0	2		13.3			71.2
% TOTAL	1.0	4.3						5.2	0.1		5.6			65.5

TOTAL NUMBER OF OBSERVATIONS 2,441

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

104 KEY WEST, FL JANUARY 1973-0 CEMER 1982 SEPTEMBER

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		5.0						7.8			5.7			2.4
NNE	5.1	3.8						5.9			6.3			4.1
NE	5.1	5.3						7.1			2.3			87.7
ENE	1.0	4.0						4.5			4.5			87.9
E	1.0	3.4						3.6			1.0			91.9
ESE	1.0	3.3						3.0			1.0			92.1
SE	1.2	3.1						3.0			.8			92.9
SSE		1.3						.1						97.7
S	1.2	3.6						2.4	.6		.6			93.9
SSW											1.0			98.7
SW	2.0							2.0						97.5
WSW									1.3					95.7
W	2.7	2.1						5.4			2.7			83.3
WNW	7.7	11.5						15.4			11.5			65.4
NW	5.0	5.7						14.3			14.3			68.6
NNW		5.0						2.5			2.5			90.0
VARIABLE														
CALM	1.2	1.4						1.4			1.4			97.4
TOTAL	7.0	2						84	2		51			218
% TOTAL	1.0	3.4						3.5	.1		2.1			91.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12 KEY WEST, FL

JANUARY 1973-DECEMBER 1982

OCTOBER

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 SAND AND DUST	NO WEATHER
N	0.0	1.8									15.1			82.1
NNE	1.0	1.6									7.1			90.4
NE	1.0	1.5						1.0	.4		7.5			88.7
ENE	2.0	2.5						.9	.2	.2	6.8			87.5
E	1.0	3.4						.9			7.7			87.3
ESE	1.0	1.3									7.5			92.0
SE		7.1						3.1			1.0			93.1
SSE	1.5										7.3			93.2
S		1.9						1.9			3.8			94.2
SSW	1.0													95.7
SW														100.0
WSW	1.0	8.3												93.3
W											7.1			92.9
WNW											5.9			94.1
NW		9.1						1.0						90.9
NNW		1.8						1.3			10.9			85.5
VARIABLE														
CALM		1.8												91.3
TOTAL	34	54						23	3	2	177			220
% TOTAL	1.4	2.2						.9	.1	.1	7.1			89.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1. KEY WEST, FL

JANUARY 1973-DECEMBER 1982

NOVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.4	1.4							2.8		23.5			74.0
NNE	3.4	.6							1.7		15.4			79.9
NE	1.7	1.1							1.1		6.6			80.7
ENE	1.7	1.1							1.3		8.9			87.9
E	2.0	1.9						.3			6.7			89.7
ESE	2.3	2.3						.5	.5		5.6			90.7
SE	3.7	1.2						1.2	2.4		2.4			89.7
SSE	5.0								2.9		2.9			91.4
S		5.3							2.6		7.9			84.3
SSW									10.0		10.0			90.0
SW	5.7	6.3									6.3			81.3
WSW		5.7									12.5			81.3
W											33.3			66.7
WNW	7.7									7.7	15.4			69.3
NW	3.0	3.6									10.7			82.1
NNW	1.0	1.4						1.4	1.4		21.6			74.3
VARIABLE														
CALM	1.7								7.2	1.3	13.2			74.9
TOTAL	5.0	7.3						4	36	2	252			203.9
% TOTAL	7.0	1.4						.2	1.5	.1	10.5			85.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1 KEY WEST, FL JANUARY 1973-DECEMBER 1982 DECEMBER

STATION STATION NAME YEAR MONTH NO. OF OBS.

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	.7	1.0						.1		12.3			82.5
NNE	1.1	.5							.1		6.4			88.8
NE	.	.6	.3						1.1		4.7			92.6
ENE	.	1.9							1.0	.4	4.1			91.4
E	.	2.1							.		3.8			93.2
ESE	.	1.9						.6			1.4			95.3
SE		2.4						.3			1.6			96.1
SSE		2.4						2.4			2.4			95.7
S	1.2	1.2						1.2			1.2			94.4
SSW	.1	2.0							.0					93.9
SW		2.0												97.1
WSW		1.3									.3			94.1
W	.1										3.7			95.2
WNW	.										1.2			93.1
NW	.	2.0									2.0			94.1
NNW	.1	2.1	2.0						3.7		7.8			82.4
VARIABLE														
CALM		1.2							1.2		1.6			91.4
TOTAL	7.1	36	6					5	35	1	121			225
% TOTAL	1.2	1.5	.2					.2	1.4	.0	4.9			91.1

TOTAL NUMBER OF OBSERVATIONS 2,471

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1 KEY WEST, FL

JANUARY 1973-DECEMBER 1982

ALL

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	1.0	1.7	.2					1.2	1.3	.2	15.7			7.1
NNE	1.1	1.0	.0					1.0	1.9		11.0			97.9
NE	1.7	2.1	.1					1.4	.5	.1	7.1			97.8
ENE	1.0	2.9	.0					1.6	.7	.1	6.8			97.7
E	1.0	2.3						1.0	.1	.3	6.4			89.1
ESE	.7	1.8						1.0	.1		5.8			91.1
SE	1.0	1.7						1.4	.2		5.3			90.6
SSE	1.2	2.3						1.4	.2	.1	6.0			89.3
S	1.2	2.6						1.7	.3		7.6			88.2
SSW	3.1	3.0						2.4	.3		6.9			86.7
SW	1.1	2.5						3.1			8.1			85.6
WSW	1.0	4.9						7.1	1.5		5.8			93.1
W	1.0	3.3						7.2			8.7			84.1
WNW	1.0	3.5						2.7	1.4	.3	11.6			80.8
NW	1.1	3.1						2.4	.2		12.7			82.1
NNW	1.2	1.7	.2					1.8	1.7		15.2			79.1
VARIABLE														
CALM		2.2	.1					1.9	1.2	.4	5.3			86.4
TOTAL	40	632	10					445	173	19	2311			25556
% TOTAL	1.0	2.2	.0					1.5	.6	.1	7.9			87.5

TOTAL NUMBER OF OBSERVATIONS

24,206

NAVWEASERVCOM

WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

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

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather 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
(FROM DAILY OBSERVATIONS)

STATION NAME STATION YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	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	6 .2	14 .	1.7	4.1	2.7	5.1	2.7	.9	.5	.1				12.1	89	1.45	7.86	.3
FEB	6 .6	1 .1	2.1	4.2	3.4	3.5	2.6	2.9	1.2	.4				20.3	119	2.3	5.44	.7
MAR	.1	1 .	.1	3.4	1.7	2.2	1.7	1.9	1.2					13.3	89	1.28	4.23	.1
APR	10 .	11 .	1.4	4 .	2.1	2.7	1 .	1.7	.7	.4				14.2	110	1.44	5.41	.
MAY	1 .	11.4	1.2	5.2	5.7	5.3	4.3	4.1	2.1	.3	.1			26.5	89	3.34	12.34	.1
JUN	4 .	1 .4	1.5	7.4	5.3	7.5	6.1	5.1	3.7	1 .	.1			37.4	87	1.24	13.74	.3
JUL	4 .4	17.4	3.6	7.8	6.7	7.3	5.6	3.1	2.2	.3				34.3	899	3.34	11.23	.1
AUG	7 .4	17.7	2.9	9.8	5.7	1 .2	7 .	4.7	3.9	.1				45.7	899	4.46	9.66	1 .
SEP	1 .	15.7	4.1	11.1	7.5	9.2	5.6	5.5	5.7	.5	.2			52.5	870	4.24	13.15	2.4
OCT	1 .	14.1	3.7	7.8	4.4	7.3	4.1	3.8	3.6	.4	.1			35.1	737	4.26	14.42	.60
NOV	.7	14.6	2.4	5.7	3.8	3.3	2.3	2.2	.6	.3	.2	.1		21.2	900	2.64	7.31	7.40
DEC	14.7	14 .	2.7	7.1	3.3	2.2	2.4	1.3	1.1	.1				20.4	930	1.51	4.75	.1
ANNUAL	57.4	14.3	2.4	6.5	4 .	5.5	4.1	3.1	2.2	.3	.1	.2		22.4	10624	37.34		

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME STATION 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															6.9			
FEB															6.9			
MAR															6.9			
APR															7.0			
MAY															6.9			
JUN															6.7			
JUL															6.9			
AUG															6.9			
SEP															6.9			
OCT															6.9			
NOV															6.9			
DEC															6.9			
ANNUAL															17.05			

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	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	•														89			
FEB	•														19			
MAR	•														59			
APR	•														7			
MAY	•														89			
JUN	•														7			
JUL	•														64			
AUG	•																	
SEP	•														5			
OCT	•														68			
NOV	•														10			
DEC	•														100			
ANNUAL	•														1052			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 1 STATION NAME ASHEVILLE, N.C. YEARS 51

DETERMINED AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1							3.7	1.20	5.04	1.73	.7	.17	
2	.3	3.41	1.4	.77	1.2	3.26	.38	1.27	1.08	.33	5.75	.45	5.75
3	.44	.07	.55	.07	.12	2.27	.39	.82	1.77	.37	.22	.57	.7
4	.17	.3	.20	.27	.53	1.35	1.51	1.02		.2	.6	.17	
5	.2	3.11	1.1	.47	1.2	.17	1.20		2.10	2.74	.41	1.07	
6	2.2	1.35	1.55	1.52	.73	1.5	2.17	1.45	2.52	1.24	.29	1.15	7.1
7	.21	.77	.55	.31	1.33	2.73	1.24	.53	3.67	1.25	4.36	4.77	4.77
8	.63	.74	.34	.5	4.65	.67	.44	1.25	1.64	1.77	.56	.21	5.45
9	.77	1.14	1.74	1.12	.77	1.12	.77	1.42	1.34	1.31	.70	.31	1.42
10	.35	.27	.26	.51	.34	.7	2.72	2.38	.71	.98	.27	1.77	7.7
11	.27	.6	.05	.07	.64	.33	.62	.45	5.14	1.25	.5	.45	.7
12	.7	.2	.7	.71	.15	2.96	.96	1.14	2.43	1.65	.74	1.8	1.7
13	.3	1.27	.21	1.11	.37	1.33	.37	1.28	2.55	1.97	.16	.45	2.7
14	1.0	2.30	.57	.57	.67	3.37	1.34	.73	1.61	3.22	.7	.75	7.77
15	.2	1.73	.47	.02	.6	2.23	.44	1.2	1.23	2.1	.45	2.4	2.4
16	.7	1.79	1.7		3.22	3.27	.76	2.04	1.59	3.16	1.67	.7	
17	1.77	1.4	.22	4.0	1.27	3.04	.45	.54	1.70	2.37	.37	.27	4.0
18	2.35	.3	1.40	.2	1.72	.91		.7	1.77	2.41	.10	.1	
19	.2	.56	.27	.10	.31	1.62	1.74	1.27	.85	5.13	2.32	.71	.7
20	.77	1.6	.27	.57	1.17	2.45	1.41	1.46	1.44	.35	.48	1.17	2.7
21	2.55	.72	1.27	.17	.57	1.21	1.27	1.20	1.31	.57	.27	2.27	2.70
22	.47	.22	.22	.48	1.08	2.54	2.28	1.72	1.24	1.5	.27	.27	2.4
23	.27	.27	.21	.00	.54	1.76	1.81	2.13	1.72	.77	.73	1.74	7.17
24	.27	.22	.23	3.77	.87	2.2	.63	2.48	.53	.50	.34	1.23	7.7
25	.42	.65	.07	1.26	3.23	3.10	.83	1.47	1.5	1.48	2.21	.7	7.7
26	.19	1.15	1.16	1.04	2.17	.93	.40	.56	.97	.86	.97	.7	7.17
27	.44	.64	.77	4.21	1.54	1.30	.81	1.01	.75	.87	.25	.34	4.21
28	.57	.57	.57		.87	.74	2.69	1.21	2.06	.68	18.40	.17	
29	.71	4.47	.51	.7	.95	1.65	1.70	1.4	2.26	.25	1.74	.34	4.47
30	.44	.17	.95	.7	7.30	5.76	.39	.47	1.84	1.94	.32	.7	5.0
MEAN	.7	1.17	.67	.93	1.31	1.45	1.23	1.2	1.91	1.53	1.72	.44	7.7
S.D.	.77	1.72	.54	1.212	1.195	1.274	.792	.712	1.102	1.220	3.506	.894	1.77
TOTAL OBS.	89	112	899	51	859	877	899	89	57	937	710	637	1774

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION ASST. F. STATION NAME ASST. F. YEARS 1951-1952

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
1951									1.44				1.44
1952													1.44
1953													1.44
1954													1.44
1955													1.44
1956													1.44
1957													1.44
1958													1.44
1959													1.44
1960													1.44
1961													1.44
1962													1.44
1963													1.44
1964													1.44
1965													1.44
1966													1.44
1967													1.44
1968													1.44
1969													1.44
1970													1.44
1971													1.44
1972													1.44
1973													1.44
1974													1.44
1975													1.44
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2089													1.44
2090													1.44
2091													1.44
2092													1.44
2093													1.44
2094													1.44
2095													1.44
2096													1.44
2097													1.44
2098													1.44
2099													1.44
2100													1.44
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

1 STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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													
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S.D.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL OBS.	89	89	89	89	89	89	89	89	89	89	89	89	1000

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SN. FALL

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS

24 HOUR MOUNTS TO INCHES
BASED ON LESS THAN FULL MONTHLY

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION 1000 WEST. FL STATION NAME 55-00 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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													
MEAN													
S. D.	.00	.000	.000	.00	.00	.000	.000	.000	.000	.000	.000	.000	.00
TOTAL OBS.	899	819	899	70	899	870	862	930	400	868	900	930	10542

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION WEST FL STATION NAME YEARS

SNOW DEPTH IN INCHES
/CALCULATED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													NO DATA DAYS
2													NO DATA DAYS
3													NO DATA DAYS
4													NO DATA DAYS
5													NO DATA DAYS
6													NO DATA DAYS
7													NO DATA DAYS
8													NO DATA DAYS
9													NO DATA DAYS
10													NO DATA DAYS
11													NO DATA DAYS
12													NO DATA DAYS
13													NO DATA DAYS
14													NO DATA DAYS
15													NO DATA DAYS
16													NO DATA DAYS
17													NO DATA DAYS
18													NO DATA DAYS
19													NO DATA DAYS
20													NO DATA DAYS
21													NO DATA DAYS
22													NO DATA DAYS
23													NO DATA DAYS
24													NO DATA DAYS
25													NO DATA DAYS
26													NO DATA DAYS
27													NO DATA DAYS
28													NO DATA DAYS
29													NO DATA DAYS
30													NO DATA DAYS
31													NO DATA DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1.250

V. WEST, FL

1 44-1947 1954-1983

STATION

STATION NAME

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.03	35	1958			
2	7.54	83	1958			
3	0.64	16	1958			
4	0.63	13	1980			
5	.11	3	1969			
6	.4	11	1946			
7	0.12	13	1952			
8	0.3	2	1978			
9	.7	2	1961			
10	1.75	44	1969			
11	7.40	64	1973			
12	0.5	6	1977			
13	.47	12	1978			
14	7.08	52	1977			
15	0.75	19	1972			
16	.3	5	1965			
17	.49	12	1977			
18	0.32	8	1977			
19	7.44	16	1969			
20	7.24	58	1983			
21	1.4	37	1958			
22	7.19	183	1983			
23	4.81	125	1983			
24	.34	9	1955			
25	.11	3	1963			
26	.76	19	1966			
27	0.44	11	1973			
28	.12	4	1947			
29	.4	11	1955			
30	1.75	47	1977			
31	7.1	5	1979			
Monthly	7.19	183	1983			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.74	19	1956			
2	0.75	19	1983			
3	0.66	22	1977			
4	7.74	19	1947			
5	0.74	19	1947			
6	1.25	32	1965			
7	1.5	47	1958			
8	1.14	29	1977			
9	1.08	27	1972			
10	0.30	8	1987			
11	0.3	11	1956			
12	0.37	9	1971			
13	1.80	48	1947			
14	0.55	17	1977			
15	1.4	26	1969			
16	0.43	24	1977			
17	1.14	29	1961			
18	4.49	114	1981			
19	7.96	24	1968			
20	0.35	9	1959			
21	1.73	34	1967			
22	2.80	64	1966			
23	0.80	20	1968			
24	0.41	23	1976			
25	0.78	25	1976			
26	1.5	27	1987			
27	3.41	89	1957			
28	3.86	88	1954			
29	0.13	3	1968			
30						
31						
Monthly	4.49	114	1981			

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

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1905
STATION

KEY WEST, FL

STATION NAME

1945-1947 1954-1963

YEARS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01	24	1960			
2	0.00	10	1947			
3	1.1	29	1978			
4	0.4	12	1982			
5	1.01	26	1957			
6	0.76	19	1970			
7	0.65	24	1982			
8	1.77	43	1983			
9	1.20	46	1954			
10	0.75	19	1947			
11	0.12	3	1947			
12	0.2	7	1974			
13	0.73	19	1970			
14	0.02	1	1964			
15	0.3	11	1983			
16	1.7	45	1968			
17	1.04	26	1961			
18	0.34	21	1960			
19	0.37	9	1959			
20	0.72	18	1954			
21	1.23	33	1973			
22	0.30	3	1981			
23	0.11	3	1979			
24	0.58	25	1983			
25	0.55	14	1982			
26	1.58	40	1958			
27	1.42	36	1971			
28	0.71	18	1964			
29	0.03	13	1982			
30	1.1	30	1958			
31	0.62	16	1983			
Monthly	1.00	46	1954			

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.12	28	1961			
2	0.27	7	1983			
3	1.22	39	1958			
4	0.12	3	1962			
5	0.57	14	1966			
6	3.75	96	1976			
7	0.31	13	1962			
8	0.74	19	1976			
9	0.30	7	1966			
10	1.40	38	1969			
11	0.25	7	1968			
12	0.1	3	1977			
13	0.06	2	1977			
14	0.4	14	1976			
15	0.30	8	1958			
16	1.28	32	1977			
17	0.09	2	1964			
18	0.25	6	1957			
19	0.09	15	1960			
20	0.34	9	1960			
21	1.11	28	1965			
22	0.00	15	1975			
23	0.75	19	1978			
24	4.21	107	1979			
25	0.97	25	1982			
26	0.24	6	1957			
27	0.15	4	1973			
28	4.20	107	1969			
29	0.42	11	1966			
30	1.00	25	1979			
31						
Monthly	4.21	107	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

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1000 EST, FL

14-1947 1954-1987

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	42	1979			
2	.97	22	198			
3	.20	30	1957			
4	.2	74	1977			
5	.17	55	1978			
6	.31		1966			
7	.34	9	1957			
8	.22	22	1968			
9	.2	46	1968			
10	.4	16	1961			
11	.1	18	1977			
12	.2	26	1977			
13	2.4	62	1977			
14	.4	12	1979			
15	.5	15	1973			
16	.2	7	1957			
17	.6	17	1967			
18	1.12	28	1972			
19	.2	13	1968			
20	.72	18	1969			
21	.5	22	1976			
22	.74	19	1974			
23	1.2	31	1969			
24	.77	20	1958			
25	.3	84	1982			
26	.78	25	1981			
27	1.3	34	1959			
28	.2	61	1967			
29	1.0	51	1982			
30	.65	144	196			
31	.84	50	1960			
Monthly	.65	144	196			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.14	54	1968			
2	2.00	76	1977			
3	3.37	86	1966			
4	5.76	146	1982			
5	2.76	75	1964			
6	1.40	36	1969			
7	.8	25	1966			
8	1.2	49	1976			
9	1.2	36	1976			
10	1.1	36	1983			
11	1.2	41	1971			
12	.72	18	1958			
13	1.05	27	1976			
14	2.84	77	1969			
15	3.2	83	1954			
16	2.4	65	1974			
17	0.23	24	1972			
18	2.3	69	195			
19	.77	22	1966			
20	2.4	62	1972			
21	2.0	53	1945			
22	.45	17	1977			
23	1.17	3	1969			
24	2.6	68	1976			
25	0.74	19	1980			
26	1.36	35	1977			
27	2.2	58	1968			
28	1.12	28	1961			
29	1.14	28	1966			
30	2.24	57	1966			
31						
Monthly	5.76	146	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

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1.00 STATION WEST, FL STATION NAME

1945-1947 1953-1983 YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.5	14	1975			
2	1.71	43	1958			
3	0.77	53	1958			
4	0.77	21	1987			
5	1.10	28	1959			
6	0.77	20	1961			
7	0.98	25	1971			
8	1.40	37	1971			
9	1.12	34	1973			
10	0.72	63	1962			
11	0.7	73	1953			
12	0.1	46	1975			
13	0.33	8	1950			
14	1.00	47	1959			
15	1.50	4	1980			
16	0.13	54	1978			
17	1.01	38	1956			
18	1.65	42	1970			
19	0.4	12	1945			
20	0.60	60	1980			
21	1.74	44	1971			
22	0.40	15	1966			
23	1.20	30	1980			
24	1.40	38	1977			
25	0.61	15	1968			
26	1.00	25	1981			
27	1.20	9	1966*			
28	1.40	37	1983			
29	0.55	116	1983			
30	0.97	25	1974			
31	0.97	24	1977			
Monthly	0.55	116	1983			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.99	25	1960			
2	1.22	31	1961			
3	0.33	8	1982			
4	1.25	33	1965			
5	0.63	16	1971			
6	0.64	16	1967			
7	1.20	32	1958			
8	0.49	12	1976			
9	1.15	29	1973			
10	0.2	51	1962			
11	1.12	44	1974			
12	0.4	16	1969			
13	2.31	6	1962			
14	1.02	26	1971			
15	1.02	26	1956			
16	0.93	24	1977			
17	1.24	31	1981			
18	1.04	49	1961			
19	1.20	32	1960			
20	1.02	26	1973			
21	1.07	27	1945			
22	0.13	54	1975			
23	2.08	76	1976			
24	1.01	36	1945			
25	1.76	45	1973			
26	3.77	96	1945			
27	1.80	46	1968			
28	1.02	36	1961			
29	1.20	31	1967			
30	1.00	48	1973			
31	1.21	31	1977			
Monthly	3.7	96	1945			

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

DIRNAVOCEANMET-SMOS

14

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION
1055

Y. EST. FL

STATION NAME

1 41-1947 1953-1967

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	25	1952			
2	1.02	41	1952			
3	1.1	53	1957			
4	1.2	33	1945			
5	1.2	32	1950			
6	1.1	28	1944			
7	1.05	36	1970			
8	1.05	67	1961			
9	1.04	49	1959			
10	1.08	22	196			
11	1.2	33	1973			
12	1.04	37	1981			
13	1.0	66	1958			
14	1.01	46	1966			
15	1.2	57	1981			
16	1.1	31	1956			
17	1.05	15	1964			
18	1.03	62	1964			
19	1.1	61	1963			
20	1.14	131	1963			
21	1.04	49	1956			
22	1.05	43	1967			
23	1.05	21	1967			
24	1.04	37	1972			
25	1.05	41	1963			
26	1.09	51	1968			
27	1.02	46	1956			
28	1.0	129	1953			
29	1.01	33	1981			
30	1.07	45	1970			
31						
Monthly	1.14	131	1963			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.03	41	1945			
2	1.03	52	1969			
3	1.04	71	1957			
4	1.19	31	1966			
5	1.22	32	1966			
6	1.47	37	1946			
7	1.14	27	1953			
8	1.1	26	1957			
9	2.1	55	1967			
10	1.0	15	1961			
11	1.2	39	1968			
12	1.13	156	1971			
13	1.2	21	1966			
14	1.07	50	1967			
15	1.65	43	1945			
16	1.08	51	1968			
17	3.1	80	1968			
18	1.03	44	1957			
19	2.01	66	1977			
20	1.03	39	1965			
21	2.32	59	1970			
22	1.4	38	1977			
23	1.04	49	1982			
24	0.07	25	1969			
25	2.21	56	1969			
26	1.05	17	1978			
27	2.37	61	1969			
28	1.01	33	1961			
29	1.03	42	1964			
30	1.00	46	1945			
31	1.07	45	1967			
Monthly	1.13	156	1971			

* 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

1951 1952-1953

STATION

STATION NAME

1945-1947 1953-1983

YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.04	14	1971			
2	0.04	16	1971			
3	0.02	19	1981			
4	0.5	140	1983			
5	0.32	8	1982			
6	0.07	10	1959			
7	0.07	25	1978			
8	0.3	9	1981			
9	0.01	21	1980			
10	1.0	44	1981			
11	1.0	467	1981			
12	0.07	7	1986			
13	0.05	146	1954			
14	0.05	45	1981			
15	0.0	31	1981			
16	0.6	17	1981			
17	0.0	2	1980			
18	0.2	7	1988			
19	0.02	2	1966			
20	0.3	111	1959			
21	0.01	10	1957			
22	0.04	19	1964			
23	0.1	4	1976			
24	0.21	56	1977			
25	0.01	14	1959			
26	0.2	6	1972			
27	0.0	7	1969			
28	0.2	6	1948			
29	0.6	42	1968			
30	0.07	25	1974			
31						
Monthly	1.00	467	1980			

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.07	45	1962			
2	0.02	1	1962			
3	0.47	12	1954			
4	0.02	6	1950			
5	0.37	9	1964			
6	0.7	22	1977			
7	0.04	24	1979			
8	0.4	12	1962			
9	0.5	14	1983			
10	1.0	27	1983			
11	0.07	20	1967			
12	2.0	61	1967			
13	0.5	14	1977			
14	0.75	2	1958			
15	0.02	6	1958			
16	1.0	41	1964			
17	0.45	11	1977			
18	0.34	8	1977			
19	0.02	1	1971			
20	2.2	57	1973			
21	1.58	15	1972			
22	0.01	23	1971			
23	4.00	102	1959			
24	1.2	26	1957			
25	0.17	4	1977			
26	1.1	29	1958			
27	0.04	11	1964			
28	0.30	8	1958			
29	0.01	13	1955			
30	0.32	84	1983			
31	0.02	6	1983			
Monthly	4.0	102	1959			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

VOCB, 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

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1	EST.	

PA. CIA. EISTS IN 4400

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

7 - 400 1
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

TABLE SHOWS STS IN MONTHS
ON OR LESS THAN 1% PROBABILITY TO MONTH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
								2					
						2					1		
	7												
			2										
									4	2	1	2	
						2		1	1	2	1	2	
							1						
7									1	2			
		1	2			11	26	2		17			
				1		1	15			7			
			2	1	3	1		2					
					1	2			2	6	3	1	
									1	21	17		
		2	3					2	2	4	1		
MEAN													
S. D.													
TOTAL OBS.													

SMOS



4

2408432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME 2007 YEARS MONTH 0
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	.	1.7	6.7	2.7	.6							10.7	.
NNE	.	2.7	7.7	2.6	.3							10.7	.
NE	.7	6.6	6.7	1.7								10.7	.
ENE	1.7	4.7	4.7	.6								11.7	.
E	.6	3.7	3.7	2.7								11.7	.1
ESE	.	1.7	4.7	2.2								.	.
SE	.	1.7	7.7	2.6								7.7	.8
SSE	.7	1.7	1.7	.6								7.7	.
S	.		.	1.7								.	.3
SSW			.	.6								.	10.7
SW	.			.7	.7							1.7	11.7
WSW				.								.	11.7
W		.	.7									.	.
WNW	.7	1.7		.								1.7	.1
NW	.		.	.7	.7							2.7	.8
NNW		1.7	.7	2.3	.7							7.7	1.7
VARBL													
CALM													
	11.7	27.7	37.7	27.3	1.7							10.7	7.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME CLASS YEARS MONTH HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	2.7	4.5	.4							10.4	.7
NNE	1.0	4.5	5.5	7.2	.4							11.5	5.2
NE	1.7	4.5	7.2	2.6								12.7	6.2
ENE	1.0	2.7	4.7	.6								11.7	.7
E	1.7	2.7	7.2	1.7								10.7	.7
ESE	.7	1.0	4.2	2.3								7.1	.9
SE	1.7	1.0	2.7	2.3								5.5	5.2
SSE		1.0	1.0	1.0								3.0	.8
S	.7	.7	1.7	1.6	.3							1.5	.7
SSW		.7	.3									1.7	.7
SW	.7	.7		.7								1.0	.7
WSW		.7		.6								1.7	17.7
W	.7	.7	.7	.3								1.7	.7
WNW	.7		.6									1.7	.7
NW	.7	1.0	1.7	.7	.7	.3						3.6	.7
NNW		.7	1.7	1.9								3.0	5.2
VARBL													
CALM												.4	
	11.7	24.2	32.7	23.6	1.9	.3						10.0	.7

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

7486 6437

728

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

SURFACE WINDS

1	201 EST, FL	7-10	3
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			
CLASS			
CONDITION			
HOURS (LST)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	4.	2.3	.6							10.7	.5
NNE	.	.7	7.3	4.5	.6							1.4	.6
NE	.	4.7	4.5	1.6								12.	6.
ENE	1.	6.7	3.7	1.								1.7	.1
E	1.	1.	7.	1.6	.7							.4	7.6
ESE	.	1.	2.7	2.9	.3							.4	2.3
SE	.	1.	2.6	2.9								7.1	2.3
SSE	.		7.3	.3								2.	.7
S		1.	2.	1.6								5.	2.3
SSW	.	1.	.7									1.	.7
SW		.7		.7								1.3	.3
WSW		.		.7								.6	.3
W				.								.1	12.
WNW	.7	1.	1.		.7							2.	7.7
NW	.7	1.	.7	1.7	.7							2.	5.3
NNW			.									.	1.3
VARBL													
CALM												1.5	
	.4	26.	34.6	21.0	2.6							10.3	5.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17 STATION NAME ALL WEATHER YEARS 1951-52 MONTH NORTH 17 HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	3.0	1.0							5.0	11.0
NNE		0.3	0.4	0.5	1.6	0.7						17.2	10.0
NE	0	1.6	0.4	0.9								10.5	8.0
ENE		1.0	6.0	0.6								0.7	0.1
E	0	2.0	4.0	0.9								11.0	9.0
ESE		0	2.0	4.0	0.3							0.7	17.0
SE		0	1.0	1.0	0.3							4.0	10.7
SSE		0	2.0	1.6								0.7	0.1
S		1.0	2.0	2.3								0.0	9.4
SSW		1.0	1.3	0.6								3.0	0.0
SW			0	0.6								1.0	10.0
WSW			0	0.3								1.0	0.0
W		0	0.3	0.3								1.0	0.0
WNW		0										0.0	0.0
NW			0	0.3	0.7	0.3						1.3	1.3
NNW	0	0.3	0.6	0.3	0.6							0.3	1.0
VARBL													
CALM												1.0	
	1.0	10.5	46.0	30.7	0.2	0.0						10.0	0.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME 10-81 CLASS ALL-FAIRWEATHER MONTH 17 HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	1.0	4.0	1.0							14.0	10.0
NNE		1.0	1.0	4.0								12.4	9.9
NE		.	1.0	2.6	.7							8.0	10.0
ENE		.	1.3	1.7								3.0	10.0
E		1.0	1.2	7.8	.6							17.5	10.0
ESE		1.0	2.7	5.5								10.5	10.3
SE	.	.2	3.6	2.6								6.0	10.0
SSE		.2	1.4	1.7	.3							3.3	10.0
S		1.0	2.7	2.6								7.1	10.0
SSW		.	2.7	.3	.6							5.0	10.0
SW			1.0	1.7								2.0	10.0
WSW	.	.3										.	10.0
W		.2	1.0	.7								1.6	10.0
WNW		.	.	.	.7							.	10.0
NW		.		1.0	.7	.7						1.0	10.0
NNW	.7	1.0	1.0	1.0	1.0							5.7	10.0
VARBL													
CALM												.	
	1.0	12.0	42.7	37.0	4.5	.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME EST. FL 13-80 YEARS JAN NORTH 14 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	3.0	5.2								11.0	.0
NNE	.0	2.6	6.5	2.9								12.3	.6
NE	.0	2.3	2.0									4.3	6.0
ENE	1.0	.0	2.3	4.5	.3							7.9	10.0
E		1.0	6.0	9.7	.6							17.0	12.0
ESE		1.0	4.0	4.5								10.0	10.1
SE	.0	1.0	3.0	1.9								7.8	6.0
SSE		1.0	1.0	1.0								3.0	6.0
S		1.0	1.0	.6								3.0	8.0
SSW		1.0	.0	.3								2.3	.0
SW	.0	.0	1.0	1.0								2.0	6.0
WSW		.0	.0	.3								1.0	.0
W	.0			1.0								1.0	.0
WNW		.0	.0	1.0								1.0	.0
NW		.0	.0	1.0								3.0	11.0
NNW	.0	.0	1.0	3.0	.3	.6						5.0	12.0
VARBL													
CALM													
	.0	1.0	3.0	39.5	1.3	.6						10.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

2000-01-02

1205

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 2000-01-02, FI 10-00 JAN NORTH

STATION NAME CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								1.0	1.7
NNE	2.0	4.0	2.0	1.0								10.0	4.3
NE	1.0	2.0	1.0	.6								5.0	3.4
ENE	.3	2.0	5.0	1.0								8.0	4.1
E	1.0	4.0	1.0	2.0	.6							10.0	4.1
ESE	.3	2.0	6.0	3.0								12.0	8.4
SE	1.0	1.0	2.0									5.0	3.6
SSE	.3	.3	.3									1.0	3.6
S	.3	.3	.3	.3								1.3	3.8
SSW	.3	.3	.3	.3		.3						1.0	4.2
SW	.3	.3										1.0	4.3
WSW	.3	.3		.3								1.0	7.0
W	.3	.3		.3								1.0	7.7
WNW		.3	1.0									1.0	8.0
NW	1.0	1.0		1.0	.3							3.0	8.3
NNW	.3	1.0	2.0	4.0	1.0							8.0	11.1
VARBL												0.3	
CALM												0.3	
	11.0	25.0	36.1	12.7	2.3	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 10 STATION NAME FORT WEST. FL. YEARS 17-19 MONTH 07
CLASS ALL WEATHER HOURS (L.S.T.) 72
CONDITION

SPEED (KNTS) DIR.	1 - 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	5.5	2.0	0.6							11.0	1.4
NNE	2.0	2.6	2.0	1.6								8.2	1.7
NE	1.0	2.0	2.0	2.3								10.0	2.6
ENE	2.3	2.0	6.1	1.0								13.2	6.0
E	0	3.5	0.0	1.3								11.2	2.7
ESE	0	0	5.0	1.0	0.3							11.0	1.6
SE	0	1.0	2.0	0								5.0	2.0
SSE	0	0										1.0	2.3
S		0	1.0	1.0								2.3	1.0
SSW	0	0	0	0								1.0	1.0
SW													
WSW	0	0										0	0
W	0	0	0.3									1.0	0
WNW	0	0	0	0.6								1.0	3.6
NW	0	0	0	1.0								2.0	4.6
NNW	1.0	1.0	1.3	2.0	1.4							1.0	15.0
VARBL													
CALM												1.5	
	11.0	21.7	40.0	20.0	2.6							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 72

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME KEY WEST, FL 17-12 MONTH ALL

STATION NAME CLASS ALL

CONDITION

HOURLS (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	1.2	4.5	3.5	.6							10.1	3.7
NNE	.1	3.2	5.7	3.3	.4	.						13.1	.7
NE	1.1	3.7	4.4	1.9	.							10.1	2.4
ENE	1.1	2.1	4.3	1.5	.							10.7	2.1
E	.	2.7	5.7	3.9	.3							13.1	3.9
ESE	.	1.1	4.7	3.8	.1							10.9	4.1
SE	.	1.1	2.1	1.5	.							10.4	2.1
SSE	.	.	1.4	.7	.							3.2	.3
S	.7	.	1.7	1.5	.							4.8	.
SSW	.1	.7	.	.2	.1	.						3.1	.6
SW	.7	.3	.4	.5	.							1.5	.5
WSW	.	.3	.7	.3								.	7.4
W	.	.3	.7	.4								1.2	2.8
WNW	.	.5	.	.2	.1							1.1	7.1
NW	.	.1	.	.8	.2	.1						2.1	10.3
NNW	.4	.7	1.1	2.2	.6	.1						1.6	17.1
VARBL													
CALM													
	2.8	20.9	37.7	24.6	2.7	.7						100.0	.1

TOTAL NUMBER OF OBSERVATIONS 2414

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, FL YEARS: 1957-58

CLASS: ALL WEATHER

CONDITION:

STATION: 1 NORTH: FL

HOURS (L S Y):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.3	5.0	1.0	1.4							11.7	2.1
NNE	.1	.2	5.0	2.1								11.7	2.1
NE	1.0	3.0	4.3	1.1	.7							11.7	2.1
ENE	.7	3.0	1.0	1.0	.4							7.9	.7
E	.1	2.0	2.0	2.0	.4							7.9	.7
ESE	.1	1.4	2.1	1.0	.4							7.9	.7
SE	.1	1.4	4.3	2.1	.4							7.9	.7
SSE		1.0	1.0	1.4								4.3	.7
S	.1	.4	.4	.4								1.4	.7
SSW			.1									.1	1.0
SW	.1											.1	.7
WSW	.1	.7	.1									1.0	.7
W			.1	.4								.1	11.0
WNW		.1	1.1	1.1								2.0	.7
NW	.1	.4	2.0	.4	.4							3.0	.7
NNW	1.1	1.0	1.0	2.0	.4							7.1	.7
VARB													
CALM													
	.2	27.0	31.0	20.9	4.3							10.0	.7

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

100-1012

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	ASHEVILLE, NC	1957	1
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			
CLASS			
CONDITION			
HOURS (L.S.T.)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	1.0	3.7	.7	.4						12.0	3.7
NNE	.0	2.7	5.7	3.2								14.2	.7
NE	1.0	6.7	4.0	3.2	.4							14.3	3.6
ENE	1.0	2.7	2.1	.7								7.4	1.7
E	.0	2.1	3.2	1.4								7.0	7.0
ESE	1.0		1.0	1.5	.7							5.1	2.1
SE	.0	.7	2.1	2.1								6.0	2.6
SSE	.0	1.5	2.0	1.4	.4							6.4	1.3
S		1.1	.0	1.4								3.2	.6
SSW	.0	.7	.4									1.0	.6
SW		.0	1.1									1.4	1.1
WSW	.0	1.1	.4									1.0	.1
W	.0		.7									1.0	4.3
WNW		.0	.7	.4								1.1	2.3
NW		1.1	1.0	.7								3.5	2.4
NNW	.0	1.0	1.4	3.2		.4						6.7	14.3
VARB													
CALM												7.2	
	11.3	.2	33.7	23.6	2.1	.7						10.0	.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
7408-102

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME CLASS YEARS MONTH
LL ESTABLISHED
CONDITION

SPEED (KNTS) DIR.	1 - 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	1.1	3.7	1.0	.4							.7	9.7
NNE	.0	.0	7.6	4.6	1.1							17.9	9.1
NE	.0	.0	6.0	7.2								13.2	8.0
ENE	1.1	2.2	4.7	.7								.0	7.8
E	.0	1.0	1.4	1.4								.0	7.5
ESE	.0	.0	3.7	1.7	.4							.7	9.0
SE		.0	2.0	1.1								4.6	.0
SSE		.1	1.1	.4								3.0	7.0
S		.0	2.0	2.6								.0	10.7
SSW	.0	.4	.0	.4								1.0	6.5
SW	.0	.4	.7									1.0	6.2
WSW		.0										.0	.0
W	.0	1.1	.4	.4								2.0	7.1
WNW	.0	.0	.0									1.1	4.0
NW	.4	.7	1.1	1.4	.4							.0	10.7
NNW	.0	.7	3.7	2.1	.7							.0	10.0
VARBL													
CALM												.0	
	.0	27.0	36.7	22.0	2.0							10.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

FORM 127

127b

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1071057, FL STATION NAME ALL WEATHER YEARS 1957-1960 MONTH 1
CLASS ALL WEATHER
CONDITION ALL WEATHER
HOURS (LST) 0000-2359

SPEED (KNTS) DIR.	1 - 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	.0	.0	.0	.0	.0	.0	.0	1.0	0.1
NNE	.0	1.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	1.0	0.1
NE	.0	.0	4.0	6.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNE	.0	1.0	5.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.0	5.0	2.0	.0	.0	.0	.0	.0	.0	.0	1.0	0.8
ESE	.0	.0	2.0	7.0	.4	.0	.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	2.1	2.1	.4	.0	.0	.0	.0	.0	.0	.0	1.0
SSE	.0	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0
S	.0	1.0	2.0	2.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	3.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	2.1	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0
NNW	.0	1.1	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
VARBL												.0	.0
CALM												.0	.0
	2.0	15.6	48.0	12.3	1.0	.0	.0	.0	.0	.0	.0	10.0	.0

TOTAL NUMBER OF OBSERVATIONS 1000

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: LL EA YEARS: 1 NORTH: 1
CLASS: 1
CONDITION: 1

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

216084432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1957-1958

CLASS: LL 7711

CONDITION:

STATION: 1 HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	5.0	4.0	1.0							14.0	3.0
NNE		1.0	2.0	1.0	.4							10.0	2.0
NE		1.0	2.0	2.0								6.0	2.0
ENE		.0	.7	1.1	.7							3.0	1.2
E	.0	.7	1.7	2.0	1.0							7.0	11.2
ESE		.7	1.3	2.0	.4							6.0	1.8
SE	.0	1.0	1.0	1.1								4.0	7.8
SSE		2.0	2.0	.4								5.0	7.3
S	.0	1.0	2.0	.7								4.0	7.0
SSW		2.0	1.1									3.0	7.0
SW		.0	.0	.7	.4							1.0	11.2
WSW			1.0	.4								1.0	1.0
W	.0		.0	.7								1.0	8.8
WNW	.0	.7	.7	.7	.4							2.0	8.4
NW		1.1	.0	1.1	.4							1.7	12.1
NNW	.0	1.0	4.0	3.0								8.0	7.0
VARBL													
CALM												.0	
	2.0	20.0	41.0	24.4	6.7							100.0	

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

74166 5432

7275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	5.0	1.0	7.0	.4							13.1	.4
NNE	1.0	2.0	4.0	.7	.4							7.6	.1
NE	.1	2.0	2.1	.4								.0	.1
ENE	.1	2.1	3.0	1.0	.4							10.0	2.7
E	.0	4.3	7.1	3.0	.4							18.0	2.4
ESE	.0	7.0	5.0	2.0	.7							12.4	.0
SE	.1	1.1	.4		.4							2.0	.0
SSE	.0	1.1		.4								1.0	.0
S	.0	.4	.4		.4							1.4	.0
SSW	.0		.4									.0	.0
SW			.0									.4	.0
WSW		.0	.0									1.0	.0
W		1.1	1.1		.4							3.0	7.8
WNW		.0	.0	.4								1.4	.0
NW	1.1	1.4	2.1	1.1	.4							6.0	.0
NNW	.0	1.4	3.0	7.0								11.0	.0
VARBL													
CALM												2.0	
	.0	11.1	31.0	19.5	3.0							10.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME ALL WEATHER YEARS MONTH 2 HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	5.0	2.0	.0							12.0	2.0
NNE	1.0	4.0	2.0	1.0	1.0							11.0	2.0
NE	2.0	1.0	2.0	2.0								8.0	2.0
ENE	1.0	2.0	2.0	1.0								12.0	2.0
E	1.0	.0	.0	2.0	.0							4.0	2.0
ESE		.0	.0	2.0								11.0	2.0
SE	.0	1.0	.0	1.0								4.0	2.0
SSE	.0	1.0	.0	.0								3.0	2.0
S			.0	.0								2.0	2.0
SSW		.0		.0		.0						3.0	1.5
SW	.0			.0								2.0	2.0
WSW	.0		.0									2.0	1.5
W	.0	.0	.0	.0			.0					3.0	1.0
WNW	.0		1.0									1.0	2.0
NW	1.0	1.0	1.0	1.0								4.0	2.0
NNW	.0	1.0	2.0	2.0	.0							5.0	1.5
VARBL													
CALM												3.0	
	12.0	20.0	37.0	22.0	2.0	.0	.0					100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1951-52

CLASS: ALL NORTH: ALL

CONDITION: ALL

STATION: 1 HOURS (LST): 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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.0	.3
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	.6
NE	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.3
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.2
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.7
ESE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.2
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.2
SSE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	.3
S	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	.3
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.7
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9
NW	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.0	.3
NNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
VARBL													
CALM													
	7.7	21.0	30.0	25.0	1.3	.7	.0	.0	.0	.0	.0	10.0	.4

TOTAL NUMBER OF OBSERVATIONS 125

SMOS



4

722

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

SURFACE WINDS

1	STATION	STATION NAME	YEARS	MONTH
		LL WEATHER		
		CLASS		
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	7.7	7.0	1.6	.3							7.7	.7
NNE	.	1.6	1.7	.6								3.0	6.5
NE	2.0	1.6	1.6	1.6								7.4	7.6
ENE		.	1.7	1.6								7.7	7.8
E	1.6	2.0	5.5	6.1								1.5	.7
ESE	1.6	7.7	6.1	3.0	.6							15.5	6.5
SE	1.6	7.7	7.2	3.0	1.6							17.2	7.7
SSE	.	1.6	4.5	2.6	.3							.	5.3
S	.	1.7	1.7	.3	.3							3.0	7.8
SSW			.	.6								1.7	11.3
SW	.		.7	.3								1.6	.
WSW		.	.6									1.6	.7
W	.	.3	.7	.7								1.3	6.5
WNW	.	1.6		.6	.7							7.3	.7
NW	.6	.3	.6									1.6	7.3
NNW	.7	.7	2.3	1.6								3.0	7.1
VARBL												.	
CALM												.	
	13.5	23.7	34.5	24.5	3.5							10.0	6.1

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: W. WEST, FL YEARS: 1970

CLASS: ALL WEATHER

CONDITION:

STATION: 1 NORTH: 0

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	.0	1.0	2.0	1.0	.3							2.1	2.1
NNE	1.0	1.0	1.0	1.0								3.0	3.0
NE	1.0	2.0	3.0	1.3								5.0	5.0
ENE	.0	2.0	2.0	.6								5.0	5.0
E	1.0	2.0	5.0	4.5								14.5	7.0
ESE	1.0	2.0	4.5	2.3								10.0	7.0
SE	1.0	2.0	5.0	6.5	.6							16.5	9.0
SSE	.0	1.0	2.0	2.9	.3							6.4	6.3
S	.0	1.3	2.0	1.0								4.1	7.0
SSW	.0		1.0	1.3								2.3	10.0
SW		.0	.3									.3	6.0
WSW		.0	.3	.3								1.0	6.0
W	.0	1.0		.0								1.0	7.0
WNW		.0	.0									.0	6.0
NW	.0	.0	1.3	.6								2.0	8.3
NNW		1.0	1.0	1.0								3.0	6.0
VARBL													
CALM												4.0	
	10.0	20.0	30.0	26.0	1.0							100.0	

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION

ASHEVILLE, FL

STATION NAME

1950-52

YEARS

MONTH

ALL WEATHER

CLASS

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	.7	1.0	2.0	1.6								5.7	7.8
NNE	.7	1.0	1.6	2.3								5.0	6.4
NE	1.0	3.0	3.5	7.0								11.7	7.3
ENE	.7	1.0	2.0	1.0								6.7	7.3
E	.7	2.3	2.7	4.0	.6							11.7	7.3
ESE	.7	1.0	2.0	1.0	.6							6.4	6.4
SE	.7	2.0	6.5	9.2								16.1	8.9
SSE	1.0	1.0	1.0	3.2	.7							7.4	8.9
S	1.0	2.3	3.0	1.3	.7							6.4	7.8
SSW	.7	.7	1.0	.3								2.3	7.3
SW		.7	.7	.6	.3							2.6	6.4
WSW		.7										.7	4.0
W	.7		.7	.6	.7							1.0	7.3
WNW	.7	.3	.7	.3								1.3	7.3
NW	.7	.7	.7	.6								1.0	7.3
NNW		.7	1.0	.4								2.3	7.3
VARIABLE													
CALM													
	10.7	21.7	34.5	26.1	2.6							10.7	8.1

TOTAL NUMBER OF OBSERVATIONS

111

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: WEST, FL STATION NAME: YEARS: MONTH: HOURS (L.S.T.):

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.3	1.7								4.0	6.2
NNE		1.7	4.7	2.3								6.7	7.7
NE			7.7	2.3	.3							6.0	10.2
ENE		1.7	1.7	2.3	.3							5.0	10.1
E			7.7	6.0	.6							10.0	12.4
ESE		1.7	5.7	6.1	.3							14.2	10.3
SE		2.3	6.7	6.5								15.0	9.7
SSE		1.7	3.9	4.2	.3							10.6	8.6
S			4.7	2.6	.3	.7						8.1	10.0
SSW			1.7	.6								1.7	7.7
SW			1.7	.3								2.3	7.0
WSW				1.7								1.7	12.4
W			.3	.6								1.7	10.6
WNW			.3	.3		.7						1.3	12.0
NW		.3	.6	1.3								2.6	7.0
NNW		.7	1.7	1.3								3.0	6.3
VARBL													
CALM													
	7.3	17.0	41.6	40.0	2.3	.6						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17 STATION NAME ASHEVILLE, FL YEARS 1960-1961
LL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.7	2.7								7.0	4.3
NNE		.0	6.7	1.3								8.0	6.2
NE		.0	1.7	.7								2.0	5.9
ENE			.0	1.0	.3							1.0	15.2
E		1.0	2.7	6.4	1.7	.3						14.0	12.5
ESE		.7	.1	2.7	1.3							17.0	11.8
SE		1.3	5.2	6.5	.3							14.2	10.2
SSE		1.7	6.1	3.5	.3							11.6	.9
S	.7	1.7	4.5	1.7	.3							.0	6.2
SSW			1.0	.7								1.0	10.2
SW		.0	1.3	.7								1.0	.2
WSW			.0	.3	.3							1.0	12.7
W	.0	.3	.6	.2	.3							1.0	9.7
WNW		1.0	1.3	.7								2.0	6.7
NW			.0	.3	.3							1.0	11.6
NNW	.0	1.7	1.7	1.3	.7							4.0	6.0
VARB													
CALM													
	1.0	12.0	40.6	39.4	5.5	.3						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME LL EARTH CLASS YEARS MONTH HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.4	3.7	1.7								7.1	1.3
NNE	.3	1.0	2.7	.3								1.0	.3
NE			1.7	.3	.3							1.0	11.2
ENE			.3	.3	.3							1.0	1.0
E		.3	4.7	1.6	2.6	.3						1.0	1.1
ESE		1.3	.1	2.4	1.3							1.1	11.0
SE		3.3	.1	4.3	.3							1.0	6.0
SSE	.3	2.3	2.3	.6								5.0	7.1
S	.3	2.3	2.6	.3								5.0	.3
SSW	.3	1.0	.3									2.0	4.0
SW	.3			1.7								1.0	.3
WSW			.3	.6	.6							1.0	1.0
W		.3	.3	.3								1.0	.3
WNW		.3	1.0	1.7								3.0	.3
NW		.3	.3	.3	.3							1.0	.3
NNW	.3	1.0	2.3	1.6	.3							1.0	6.3
YARBL													
CALM													
	.3	1.0	40.3	30.6	1.1	.3						10.0	.3

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4
74546-5437
7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (L.S.T.)

LL FAYE

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0	.3							6.0	7.0
NNE	.0	1.0	1.0									2.0	1.0
NE	.0	.0	1.0	.7								2.0	1.0
ENE	.0	.0	2.0	2.0								.0	1.0
E	1.0	4.0	12.0	1.0	1.0							10.0	7.0
ESE	.0	4.0	.0	4.0	1.0							10.0	.0
SE	.0	3.0	1.0	1.0								7.0	6.0
SSE	.0	.0	.0	1.0								2.0	.9
S		.0										.0	.0
SSW			.0									.0	.0
SW	.0		.0									.0	.0
WSW		.0	.0	.0								1.0	1.0
W		.0			.0							1.0	1.0
WNW	.0		1.0									1.0	1.0
NW	1.0	1.0	2.0	1.0	.0							2.0	7.0
NNW	.0	1.0	2.0	2.0	.0							7.0	7.0
VARBL													
CALM													
	.0	21.0	37.0	25.0	7.0							10.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
74084432

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME 2 YEARS 3 MONTH 4
CLASS 5
CONDITION 6
HOURS (L S T) 7

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.7	2.0	1.0								5.0	4.0
NNE	1.0	.	1.0									2.0	1.1
NE	1.0	1.0	1.0	.6								3.6	1.7
ENE	1.0	1.0	2.0	1.6								5.6	1.2
E	1.0	2.4	2.0	11.0	1.3							17.7	1.0
ESE	.	4.0	2.0	4.0	1.3							11.3	1.2
SE	1.0	2.0	1.0	2.0	.3							6.3	1.2
SSE	.	.	1.0	.0								1.0	.0
S		.	.0	1.0								1.0	1.0
SSW													
SW		.	.0									1.0	.7
WSW		.		.0								1.0	6.0
W	.	.0	.0									1.0	5.0
WNW			.0	.0								1.0	1.0
NW	1.0	1.0	2.0	.0	.0							4.0	1.7
NNW			1.0	1.0								2.0	1.0
VARBL													
CALM													
	1.0	20.0	35.0	24.0	3.0							10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS



4

24564432

7235

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
ALL DATA			
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	2.	1.	.							.	.
NNE	.	1.	2.	1.	.							.	.
NE	.	1.	2.	1.	.							5.	.
ENE	.	1.	2.	1.	.							.	.
E	.	2.	3.	2.	.	.						7.	1.
ESE	.	2.	6.	4.	.	.						1.	.
SE	.	2.	4.	4.	.							12.	.
SSE	.	1.	2.	2.	.							.	.
S	.	1.	2.	1.	.	.						.	.
SSW	.	.	.	.	.							.	.
SW	.	.	.	.	.							1.	.
WSW	.	.	.	.	.							1.	1.
W	.	.	.	.	.							1.	.
WNW	.	.	.	.	.	.						1.	.
NW	.	.	1.	.	.	.						2.	7.
NNW	.	.	1.	1.	.	.						4.	.
VARBL													
CALM													
	7.1	19.1	37.6	22.9	3.	.						100.	.9

TOTAL NUMBER OF OBSERVATIONS

SMOS

E
4

74546 6132

775

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME COLE P YEARS 1951 MONTH 1

CLASS LL FATH

CONDITION

HOURS (L S Y)

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

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

4
74586-9432
7275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L S T)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							.	.
NNE	1.	.	.	.	.							.	.
NE	.	.	.	1.								1.	.
ENE	.	1.	.	1.								.	.
E	.	.	.	.	1.							.	1.
ESE	.	1.	.	.	1.							1.	1.
SE	.	.	.	.	.							1.	.
SSE	1.	.	.	.	.							.	.
S	.	1.	1.	.								.	.
SSW			.	1.	.							1.	1.
SW	.	.	.	.								1.	.
WSW													
W			.									.	.
WNW	.	.										.	.
NW	.	.	1.									1.	5.7
NNW		.	.	.								1.	.
VARBL													
CALM												.	
	11.0	27.0	31.0	27.0	1.0							1.0	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
74081132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS CONDITION YEARS MONTH 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	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	1	1	0	0	0	0	0	0	0	0	0	0	0
NE	0	4	0	0	0	0	0	0	0	0	0	0	0
ENE	1	7	7	1	0	0	0	0	0	0	0	0	0
E	1	2	0	5	1	0	0	0	0	0	0	0	11.1
ESE	0	1	0	0	1	0	0	0	0	0	0	0	11.7
SE	0	0	4	0	0	0	0	0	0	0	0	11.7	0
SSE	1	1	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	1	0	0	0	0	0	0	0	0	0
SSW	0	1	0	1	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	1	0
WSW	0	0	0	0	0	0	0	0	0	0	0	1	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	1	0
NW	0	0	0	0	0	0	0	0	0	0	0	1	0
NNW	0	0	0	1	0	0	0	0	0	0	0	2	0
VARBL													
CALM												0	
	11.7	1.0	30.7	10.3	0.7							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

2406 0152

7229

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

SURFACE WINDS

1	STATION	STATION NAME	YEARS	MONTH
		LL EARTH		
		CLASS		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	1.7								3.7	.
NNE	.	.	2.7	3.	.7	.7						.7	1.7
NE	.	1.	2.7	3.								1.7	9.7
ENE	.	.	2.7	5.7	.7							.	11.7
E	.	2.7	4.7	1.7	4.3	.7						12.	12.7
ESE	.	1.	3.7	4.7	.7							10.7	1.7
SE		.	2.7	4.3	.3							.7	11.1
SSE	.7	1.	3.7	5.7	1.7							1.7	1.7
S		1.	3.7	1.7								.	.
SSW		1.7	1.7	.7	1.							4.7	9.7
SW			.	.7								1.	11.
WSW		.	.7	.7								1.	.3
W	.	.7	.									1.3	.
WNW		.	.									1.	.7
NW	.7	.7	.7									1.	.
NNW		.	.									1.3	.
VARB.												.	
CALM												.	
	1.7	17.7	33.7	41.7	.3	.7						10.7	17.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1957-1958

CLASS: LL 12-15

CONDITION:

STATION: 1 NORTH: 1

HOURS (L.S.T.): 1

SPEED (KNTS) DIR.	1 - 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	2.7	1.7	.7							8.7	9.1
NNE		.7	4.7	1.7								5.7	9.2
NE	.7	.7	.7	1.7	.7							.3	11.1
ENE		.7	1.7	2.7	.7							4.7	10.2
E		.7	7.7	15.7	3.7	.7						5.7	11.1
ESE		.7	6.7	7.7	2.7							14.7	12.7
SE	.7	1.7	4.7	5.7								10.7	10.3
SSE	.7	1.7	7.7	7.7								.7	.7
S	1.7	.7	7.7	2.7								3.7	.7
SSW		.7	1.7	.7								2.3	.7
SW		.7	.7	.7	.7							.7	11.4
WSW		.7	.7	1.7	.7							.3	10.1
W		.7	.7	.7								1.7	9.7
WNW		.7	.7	.7								1.7	.7
NW		.7	1.7	.7								2.7	.7
NNW	.7	1.7	.7									.7	.7
VARBL													
CALM												.7	
	.7	11.7	35.7	42.3	7.7	.7						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 10

SMOS



4

24506-4432

7225

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

SURFACE WINDS

1	ASHEVILLE, FL	7-87	2
STATION	STATION NAME	YEARS	PORT
CLASS			
CONDITION			
HOURS (L.S.T.)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		0.7	4.7	1.7								0.7	0
NNE	0.7	1.7	2.7	1.7								0.7	7.5
NE		0.7										0.7	0.7
ENE			0.7	1.7	1.7							0.7	14.7
E	0.7	2.7	7.7	16.7	5.7	0.7						2.7	17.4
ESE	0.7	2.7	6.7	7.7	1.7							0.3	10.9
SE	0.7	1.7	7.7	3.7	0.7							10.3	0.9
SSE	0.7	1.7	1.7	1.3								4.7	0.3
S	0.7	2.7	0.3									0.3	4.9
SSW		0.7	1.7									1.7	7.7
SW		0.7		0.7								1.7	7.7
WSW	0.7	0.7	0.7	0.7		0.7						1.7	10.7
W		0.7	1.7	0.7								0.7	0.7
WNW	0.7		1.7	1.7								0.7	6.9
NW		0.7	1.7	0.7								0.3	7.7
NNW	0.7	0.7	1.3	0.3								0.3	0.1
VARBL												0.7	
CALM												0.7	
	0.7	16.7	35.3	35.0	7.7	1.7						10.0	10.4

TOTAL NUMBER OF OBSERVATIONS 0

SMOS

4

2400-542

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	LL. EATHER		
	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	.3	2.7	3.7	1.7	.3							1.7	2.0
NNE	1.3	.3	.3									.3	5.0
NE	.3	.3	1.7									.3	5.3
ENE		.3	1.7	4.7	.7							.7	11.0
E	.3	.3	11.3	17.3	7.3							7.3	11.0
ESE	1.3	5.3	7.3	7.3	.7							11.3	.7
SE	.3	.3	1.7	.3								.3	.6
SSE	.3	.3	.3	1.7								2.3	.6
S													
SSW		.3										.3	4.0
SW			.3									.3	.0
WSW		.3	.3									.3	.0
W	.3	.3	.3	.3	.3							.3	.7
WNW		.3	1.7	.3								.3	7.0
NW	.3	2.3	7.3	.3								.3	.0
NNW	.3	1.7	.3	.3								.3	6.0
VARBL													
CALM													
	.3	19.7	31.0	34.0	6.7							10.0	.1

TOTAL NUMBER OF OBSERVATIONS 7

SMOS



4

240844-32

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME EST. F. 17-50 YEARS 10
STATION NAME MONTH 2
ALL WEATHER CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.7	2.7								0.7	0.7
NNE	1.7	2.7	1.7									4.7	1.7
NE	1.7	1.7	0.7									0.7	0.5
ENE	0.7	1.7	0.7	5.7								1.7	0.7
E	0.7	2.7	0.7	12.7	2.7							0.7	11.7
ESE	0.7	1.7	0.7	0.7	0.7							1.7	0.7
SE	0.7	2.7	0.7	2.7	0.7							0.7	0.4
SSE	0.7		0.7	0.7								0.7	0.7
S	0.7		0.7									1.7	0.7
SSW					0.7							0.7	1.7
SW													
WSW	0.7	0.7										1.7	0.7
W		0.7	0.7									0.7	0.7
WNW	0.7	0.7	0.7	0.7								1.7	0.7
NW	1.7	0.7	1.7	0.7								0.7	0.1
NNW	1.7	0.7	1.7	0.7								0.7	0.7
VARBL													
CALM												0.7	
	1.7	1.7	3.7	31.7	3.7							1.7	0.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

240843Z

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 W. EST. FL STATION NAME W. EST. FL YEARS 1961-1962 1963

CLASS ILL ILL

CONDITION ILL ILL

NO. OF HOURS 11 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.1	1.0	.0							.5	6.0
NNE	.0	1.2	2.0	1.2	.0	.0						.0	3.0
NE	.0	2.0	3.0	1.1	.1							.0	7.0
ENE	.0	1.0	2.0	2.2	.3							.0	.0
E	.0	2.0	6.7	11.2	2.7	.0						27.0	11.0
ESE	.0	1.0	5.0	6.0	1.2							13.0	10.0
SE	.0	1.0	4.0	3.7	.2							10.0	5.5
SSE	.0	1.0	2.0	2.0	.2							7.0	5.0
S	.0	.0	1.0	.7	.0							3.0	8.0
SSW	.0	.0	.0	.0	.3							2.0	.0
SW	.0	.0	.0	.2	.1							1.0	.0
WSW	.0	.0	.0	.0	.0	.0						1.0	.0
W	.0	.0	.0	.0	.0							1.0	.0
WNW	.0	.0	.0	.0	.0							1.0	7.7
NW	.0	.0	1.1	.3								2.0	7.0
NNW	.0	.0	.0	.0								2.0	.0
VARBL													
CALM													
	1.0	11.0	33.0	33.2	1.4	.3						10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 240

SMOS

144664132
4
1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION 1ST. FL 17-20 YEARS NORTH
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.7										1.	7.
NNE	1.	1.7	.7									.	4.1
NE	1.	1.	1.6	.6								.	7.1
ENE	1.	2.3	7.	1.6								.	7.
E	1.	7.3	7.1	4.6	.3							17.7	6.6
ESE	1.	.5	6.4	4.5		.7						11.7	5.2
SE	1.7	7.	6.4	1.	.6							13.	7.6
SSE	1.	3.6	4.7	1.7								10.3	7.2
S		1.	1.	1.3								.	6.7
SSW	.	.7	.7	.3	.3							7.3	.1
SW		.		.7								1.	7.
WSW	.	1.										1.	7.
W	.											.7	4.
WNW		.										.	7.
NW	.	1.	1.7									2.6	6.1
NNW	.	.	.7									1.	4.
VARBL													
CALM												7.7	
	17.	27.7	34.2	15.3	1.3	.7						100.3	6.

TOTAL NUMBER OF OBSERVATIONS 1

SMOS



4

7406-102

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	ASHEVILLE, NC	1952	1952
STATION	STATION NAME	YEARS	MONTH
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
NE	2.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0
ENE	1.0	1.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.0
E	1.0	1.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0
ESE	1.0	4.0	4.0	7.0	.0	.0	.0	.0	.0	.0	.0	16.0	7.0
SE	.0	6.0	6.0	2.0	.0	.0	.0	.0	.0	.0	.0	14.0	7.0
SSE	3.0	2.0	4.0	2.0	.0	.0	.0	.0	.0	.0	.0	11.0	7.0
S	.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0
SSW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0
SW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
NW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
NNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0
VARB.													
CALM												7.0	
	1.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	10.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

74046-6132

3326

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	ASHEVILLE, FL	STATION NAME	12-81	YEARS	NORTH
ALL FAIR					
CLASS					
CONDITION					
HOURS (L S T)					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							.	.
NNE	.	1.	.	.	.							.	.
NE	.	.	.	1.								.	.
ENE	1.	1.	4.	1.								.	.
E	.	1.	7.	1.	.							.	.
ESE	1.	.	4.	2.								17.	7.
SE	.	4.	8.	2.								13.	7.
SSE	1.	4.	7.	1.	.							13.	7.
S	1.	7.	2.	1.	.							.	.
SSW	.	1.	.	.								3.	7.
SW	.	1.	.									.	.
WSW	.	.	1.									.	.
W	.											.	.
WNW		.										.	.
NW		.	1.									1.	.
NNW	.	1.										1.	.
VARBL													.
CALM												.	.
	1.	7.	35.	12.	1.							70.	7.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7406-042

225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	LL PATRICK		
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.7	.3								2.0	7.7
NNE	.	1.0	1.0	1.7								4.7	.
NE		1.0	1.0	1.7								4.7	.
ENE	.		1.0	3.7								5.7	11.1
E		1.0	.0	4.7	1.0							6.7	11.7
ESE	.	3.7	7.0	5.7	.7							14.7	.
SE	.	3.0	6.7	2.7								13.7	.
SSE	1.7	4.0	5.7	2.7	.7							15.7	7.7
S	.	2.7	4.1	1.7	.7							11.7	7.7
SSW	.	1.0	1.0									3.0	.
SW		1.0	1.0									2.0	.
WSW		.	.7	.3								1.0	.
W		1.0		.7								1.0	7.7
WNW		1.0										1.0	7.7
NW		.	1.0									1.7	7.7
NNW		.7	1.0									1.7	7.7
VARBL												1.0	.
CALM												1.0	.
	.7	27.4	37.1	24.7	2.7							10.7	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

10

4

14466-4/37

1229

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (L S T)
CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

74066/632

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WIND

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURE LL S
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WI SPI
N	1.0	0.0	0.0									0.0	
NNE	0.0	1.0	0.0	0.0								0.0	
NE		0.0	0.0	0.0								0.0	
ENE	0.0	0.0	0.0	0.0								0.0	
E	0.0	1.0	0.0	1.0	0.0							0.0	1.0
ESE	0.0	2.0	7.7	0.0	0.0							0.0	
SE	0.0	0.0	0.0	0.0								0.0	
SSE	0.0	0.0	0.0									0.0	
S	0.0	0.0	1.0									0.0	
SSW	0.0	0.0	0.0		0.0							0.0	
SW	0.0	0.0	0.0									0.0	
WSW	0.0	0.0	0.0	0.0								0.0	
W	0.0	0.0	0.0	0.0								0.0	
WNW	0.0	0.0	0.0	0.0								0.0	
NW	0.0	1.0	0.0									0.0	
NNW	0.0	0.0	0.0									0.0	
VARBL													
CALM													
	0.0	1.0	3.0	1.0	0.0							0.0	

TOTAL NUMBER OF OBSERVATIONS

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KEY WEST FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

24

F/G 4/2

PAL

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



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



4

2408443Z

720

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	ASHEVILLE, FL	STATION NAME	17-90	YEARS	NORTH
ALL WEATHER					
CLASS					
CONDITION					
HOURS (L.S.T.)					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	.7	.3	.3							4.0	8.1
NNE	.	2.0	.3									4.3	4.7
NE	.	.3	.4									1.0	4.0
ENE	.	1.0	1.7	3.2	.3							6.0	11.0
E	.7	7.5	2.0	10.4	.6							24.0	10.3
ESE	2.0	6.1	7.7	7.9	.3							20.0	7.9
SE	1.0	3.2	1.0	1.6								5.4	6.7
SSE	1.0	1.7	1.0									3.0	6.1
S	.7	1.0	.7	.3								2.0	5.0
SSW		.	.									.4	.0
SW	.7	.7		.3								1.0	.0
WSW		.7		.3								.7	4.0
W		.7		.3								.7	5.0
WNW	1.0	2.3	.3	.3								3.0	4.0
NW	1.7	1.3	1.6									4.5	5.4
NNW	1.0	2.0	2.0									7.1	5.0
VARB													
CALM												4.0	
	13.5	24.7	28.7	21.6	1.6							10.0	7.3

TOTAL NUMBER OF OBSERVATIONS 711

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17 MAY WEST, FL

13-60

STATION

STATION NAME

YEARS

DATE

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.9	1.0	.6								3.0	6.3
NNE	1.4	1.3										2.0	1.0
NE	1.7	1.6	.6	.3	.7							4.2	1.7
ENE	.3	1.0	3.5	4.5	.6							11.0	1.0
E	1.0	2.6	9.7	8.7	.3							22.0	6.3
ESE	.3	4.2	6.9	4.2								17.4	1.2
SE	1.0	2.9	5.2	1.9								11.0	7.4
SSE	.2	2.0	2.6	.4	.3							6.0	7.9
S	.7	1.0	1.3	.3								2.0	1.3
SSW			.7	.6								1.3	1.0
SW	.7											.7	1.0
WSW		.7	.3									.7	1.0
W	.7		.7									.7	1.0
WNW	.7	.6	.7									1.0	4.4
NW	.3	1.0	1.0	.3								3.0	6.4
NNW	1.0	1.0	.7									2.0	4.1
VARBL													
CALM												5.0	
	13.0	23.0	33.2	22.3	1.6							10.0	7.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: KEY WEST, FL STATION NAME: KEY WEST, FL YEARS: 13-22 MONTH: ALL
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	.0	2.1	1.4	.3	.0							4.0	6.1
NNE	.0	1.0	.0	.4								3.4	6.0
NE	1.1	1.0	1.4	.7	.0							4.0	6.8
ENE	.0	1.2	2.3	2.0	.7							6.2	5.9
E	.0	1.4	3.3	6.5	1.0							13.4	10.4
ESE	1.4	3.4	5.2	4.7	.3	.0						16.2	8.6
SE	1.0	3.0	5.6	1.9	.1							12.0	7.6
SSE	.0	3.5	4.5	1.4	.2							10.0	7.3
S	1.1	1.0	3.0	1.0	.2							7.2	7.4
SSW	.0	1.2	.0	.2	.1							2.0	5.5
SW	.0	.0	.4	.2								1.0	5.3
WSW	.0	.6	.0	.1	.0							1.0	5.2
W	.0	.3	.2	.1								.0	6.5
WNW	.0	.0	.4	.1								1.0	5.6
NW	.0	1.1	1.0	.1								2.0	6.2
NNW	.0	1.3	.0									1.0	5.4
VARS													
CALM												4.4	
	11.7	27.6	34.7	19.0	2.1	.0						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 20

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17 KEY WEST, FL

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0										1.0	0.0
NNE	1.0	0.0										1.0	0.0
NE	0.0	0.0	1.0	0.0								2.0	0.1
ENE	1.0	2.0	2.0	1.0								7.0	0.3
E	0.0	3.0	9.0	3.0								15.0	0.6
ESE	0.0	6.0	7.0	4.0	0.0							20.0	0.3
SE	0.0	6.0	3.0	1.0	0.0							10.0	0.3
SSE	0.0	3.0	2.0	1.0		0.0						7.0	0.7
S	1.0	3.0	2.0	1.0	1.0	0.0						9.0	0.1
SSW		0.0	0.0									1.0	0.0
SW	0.0	1.0	0.0	0.0								2.0	0.4
WSW	1.0	0.0	0.0									2.0	0.6
W		0.0										0.0	0.0
WNW	0.0	0.0										1.0	0.7
NW		0.0										0.0	0.0
NNW		0.0										0.0	0.0
VARB													
CALM												0.0	
	17.0	30.0	29.7	12.0	1.0	1.0						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME KEY WEST, FL 12-87 YEAR MONTH JUNE HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7											.7	2.0
NE	1.7	1.7	2.7	.7								5.7	6.7
ENE	1.7	4.7	2.7									7.7	5.6
E	.7	6.7	4.7									14.7	4.7
ESE	1.7	6.7	6.7	2.7								16.7	7.7
SE	7.7	4.7	5.7	2.7								19.7	7.7
SSE	1.7	4.7	1.7	1.7								8.7	5.7
S	1.7	2.7	3.7	.7	.7	.7						8.7	9.3
SSW	1.7	.7	1.7	1.7								4.7	6.7
SW	1.7	.7	.7									3.7	5.7
WSW	.7	1.7	.7	.7								2.7	5.7
W	.7	.7		.7								1.7	5.7
WNW	.7	.7	.7									1.7	4.7
NW		.7										.7	4.7
NNW		1.7										1.7	4.7
VARB													
CALM												10.7	
	1.7	34.7	27.7	8.7	.7	.7						100.7	5.7

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NO. 100-123456 STATION NAME ASHEVILLE, NC YEARS 1980-1981 MONTH JANUARY
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE	1.0											2.0	2.0
NE	1.0	2.0	1.0	.3								3.0	3.0
NNE	2.0	3.0	3.0	.3								6.0	6.0
E	3.0	5.0	3.0	1.0								12.0	12.0
ESE	1.0	6.0	6.0	1.0								13.0	13.0
SE	1.0	7.0	5.0	.3								13.0	13.0
SSE	3.0	3.0	3.0	.3								9.0	9.0
S	2.0	1.0	4.0	.3	1.0	.3						10.0	10.0
SSW	.3	.3	.3	.3								1.0	1.0
SW	1.0	.3	1.0									2.0	2.0
WSW	.3	1.0	.3									2.0	2.0
W	.3	1.0										1.0	1.0
WNW	.3		.3									1.0	1.0
NW	.3	.3										1.0	1.0
NNW													
VARB.													
CALM												10.0	
	21.3	32.0	30.0	4.7	1.7	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1

KEY WEST, FL

12-82

JUN

STATION

STATION NAME

YEAR

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	.0	2.0	.3									2.3	4.0
NNE	.0	1.0	.7									2.0	5.0
NE	1.0	1.0	1.0	.3								3.3	5.8
NNE		.3	3.3	1.0								4.7	7.9
E	.0	3.0	9.0	5.3								10.7	9.1
ESE	.0	4.3	6.7	2.3								13.3	.0
SE	.3	4.3	7.7	.7								14.7	7.1
SSE	.0	5.0	4.3	1.0								10.7	7.3
S	1.0	4.7	4.3	2.0	.3	.3						12.7	5.0
SSW	.0	1.3	1.3	.7	.3							4.3	7.8
SW		1.0	.0									2.0	5.0
WSW	.0	.0	.7	.3								2.0	5.5
W	.0	.0	.7									1.7	5.4
WNW	.0	.3										.7	3.5
NW		.0	.3									1.0	5.7
NNW		1.0										1.0	4.5
VARB.													
CALM												1.0	
	4.3	36.0	40.3	14.7	.7	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

400

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 KEY WEST, FL STATION NAME 13-92 YEARS 000
 ALL WEATHER
 CLASS
 CONDITION
 MONTH 1
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.7								1.7	1.7
NNE		.7	1.7	.7								2.7	.7
NE	.7		.7	.7								1.7	1.6
ENE		1.7	.7	.7								2.7	1.7
E	.7	.7	6.7	5.7								14.7	2.7
ESE	.7	2.7	6.7	7.7	.7							20.7	2.7
SE	.7	4.7	7.7	.7								12.7	7.3
SSE	1.7	4.7	6.7	.7								12.7	6.7
S	1.7	6.7	3.7	1.7	1.7	.7						13.7	6.3
SSW	.7	2.7	1.7	.7								4.7	6.7
SW		.7	2.7	.7								4.7	7.7
WSW		.7										.7	6.7
W			.7									.7	6.7
WNW	.7	1.7	.7	.7								2.7	6.3
NW		1.7	.7									1.7	7.7
NNW	.7	1.7	.7									2.7	6.7
VARIABLE													
CALM												1.7	
	5.7	29.3	43.7	18.3	1.7	.7						100.7	6.7

TOTAL NUMBER OF OBSERVATIONS 0

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION DET. EST. FL 10-80 YEARS 10
STATION NAME ALL WEATHER MONTH 1
CLASS ALL WEATHER HOURS (L.S.T.) 1
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.7									4.7	.7
NNE	1.7	1.7	2.7									4.7	1.7
NE	.7	.7	.7	.3								2.7	1.7
ENE	.7	.7	1.7	1.7								2.7	1.7
E	.7	2.7	3.7	3.7	.7							14.7	9.3
ESE	.7	4.7	11.7	4.7	.3							11.3	7.7
SE	1.7	3.7	6.7	1.3								13.7	6.7
SSE	.7	4.7	2.7		.7							7.7	5.7
S	1.7	3.7	1.7	1.7	.7							7.7	7.7
SSW	.7	3.7	1.3		.7							7.7	7.7
SW		.7	.7									1.7	1.7
WSW	.7		1.7	.3								1.7	7.7
W	.7	1.7	1.3		.7							3.3	7.7
WNW	.7	.3	.7									1.7	5.7
NW	1.7	.7	.7									2.7	4.7
NNW	.7	1.7	.7		.7							3.3	1.7
VARBL													
CALM													
	17.0	20.7	30.7	17.0	3.0							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

E
4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1. STATION NAME: ASHEVILLE, NC 2. YEARS: 1950-1951 MONTH: 1
CLASS: LL - FAIR
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	0.0	1.0	0.0									0.0	0.0
NNE	1.0	1.0										2.0	0.0
NE	0.0	1.0	0.0									0.0	0.0
ENE	0.0	1.0	1.0	0.3								3.0	0.0
E	1.0	4.0	8.3	0.7								11.0	0.9
ESE	0.0	0.3	0.3	5.7	0.7							7.0	0.0
SE	0.3	5.0	2.0	1.0								11.0	0.0
SSE	0.0	0.0	0.0									0.0	0.0
S	0.0	0.0	1.0	1.0	0.7	0.0						3.0	1.0
SSW	0.0	1.0	0.0	0.0	0.0							0.0	0.0
SW	0.0	0.0	0.0	0.0								0.0	0.0
WSW	0.0	0.0	1.0									0.0	0.0
W	0.0	0.0										0.0	0.0
WNW	1.0	0.0	1.0									2.0	0.0
NW	0.0	0.0	0.0									0.0	0.0
NNW	0.0	0.0	0.0									0.0	0.0
VARBL													
CALM													
	1.0	34.0	27.7	16.0	1.3	0.0						100.0	0.7

TOTAL NUMBER OF OBSERVATIONS: 0

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 ASHEVILLE, NC STATION NAME LL WEATHER YEARS 1961-1962 MONTH 12
CLASS LL
CONDITION LL
HOURS (L.S.T.) 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.0
NE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0
ENE	1.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
E	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0
SE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.7	1.0
SSE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.0
S	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.7	1.0
SSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.0
SW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
WNW	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	1.0
NW	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
VARS												.0	
CALM												.0	
	1.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	10.0	1.7

TOTAL NUMBER OF OBSERVATIONS 12

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

STATION NAME: ASHEVILLE YEARS: 1957 MONTH: JUL
CLASS: LL
CONDITION: CL
HOURS (L S T): 01

SPEED (KNTS) DIR.	1 - 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	.0	.1								2.0	4.0
NNE	.0	.0	.0	.0								.0	4.0
NE	1.0	.0	.0	.7								3.1	.0
ENE	.0	3.1	.0	.6								5.0	.0
E	.0	4.0	7.0	4.1	.2							17.0	.0
ESE	.0	.5	2.0	4.0	.7							1.0	7.0
SE	.0	.0	3.1	1.1	.0							1.0	.0
SSE	1.0	.0	.0	.6	.1	.0						.0	6.0
S	1.0	.0	2.0	1.0	.0	.7						6.1	.0
SSW	.0	1.0	.0	.0	.3							2.3	.0
SW	.0	.0	.0	.0								.3	.0
WSW	.0	.0	.0	.0								1.0	.6
W	.0	.0	.0	.0	.0							1.0	.0
WNW	.0	.0	.0	.0								1.0	4.0
NW	.0	.0	.0	.0								1.0	.0
NNW	.0	1.0	.0	.0	.0							1.0	6.1
VARBL													
CALM													
	1.0	31.0	33.4	12.7	1.6	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 200

SMOS



4

7/19/64

7/27

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

SURFACE WINDS

1	EST. 41	1961	J
STATION	STATION NAME	YEARS	MONTH
	LL. BEAUFORT		HOURS (L.S.T.)
	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													
NNE	.	.										1.	2.7
NE	1.	1.7	.									3.	3.7
ENE	.	7.7	.									8.9	4.6
E	.	4.7	1.7	2.3								21.	7.3
ESE	7.3	7.7	1.7	2.6								27.	8.
SE	2.	6.1	4.7	6.6								14.	10.2
SSE	1.	1.	1.7	1.								.	.
S	.	1.7	1.	6.7								6.	6.7
SSW	.	.	.									7.	4.3
SW	1.	6.7	6.7	6.3								6.3	10.8
WSW	.	1.7										1.	4.
W	.											.	2.
WNW	.											.	7.
NW	1.		.									1.	8.4
NNW	.											.	2.
VARB.													
CALM												1.	
	1.1	31.4	31.7	7.4								10.7	1.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

2400 6432

122

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (LST)

LL EAST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	1.0
NNE	.7	1.0										1.7	4.0
NE	.7	1.0		.7								4.0	4.1
ENE	1.0	2.0										4.0	4.1
E	.7	.7	.7	1.0								15.0	4.8
ESE	.7	.7	1.0	1.0								4.0	4.4
SE	.2	6.0	3.0	.7								14.2	5.5
SSE	.7	.7	1.0	1.0								4.0	4.5
S	1.0	.7	3.0	.7								4.0	5.0
SSW	.7	.7	.7									4.0	4.3
SW	.7	.7	.7	.7								1.0	5.0
WSW	.7	.7		.7								1.0	4.0
W	.7	1.0										1.0	4.0
WNW	.7	.7										1.0	4.3
NW		.7	.7									1.0	4.3
NNW			.7									.7	4.0
VARBL													
CALM												1.0	
	1.0	7.4	2.0	5.0								1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME STATION NAME YEARS MONTH HOURS (L.S.T.)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	1.0
NNE													1.0
NE												4.0	1.0
ENE												5.0	1.0
E												1.0	1.0
ESE												2.3	6.6
SE												1.0	1.0
SSE												4.0	1.0
S												5.0	1.0
SSW													7.0
SW												3.0	1.0
WSW												1.0	1.0
W													2.0
WNW													2.0
NW												1.0	1.0
NNW												1.0	1.0
VARBL													
CALM												1.0	
	1.0	3.0	2.0	5.0	1.0							10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: JULY

CLASS: LL - LEA RME

CONDITION:

NOV 66 (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	.0	.0	.0									1.0	4.0
NNE	.0	1.0	.0									7.3	6.1
NE													
ENE	.0	2.0	.0									7.2	7.5
E	.0	4.0	5.0	2.0								17.1	7.0
ESE	.0	5.0	15.0	4.2								26.5	7.0
SE	.0	3.0	7.0	1.0	.3							15.5	7.1
SSE	1.0	3.0	4.0	1.3								11.3	7.7
S	1.0	2.0	2.0	.3								7.1	6.0
SSW	1.0	1.0	.0									6.0	4.3
SW		.0	.0	.0								1.0	8.0
WSW		1.0	1.0									2.3	5.0
W		.0		.0								.6	6.0
WNW		.0										.0	5.5
NW	.0	1.0					.0					1.0	7.7
NNW	.0	1.0										1.0	4.0
VARB													
CALM												4.5	
	10.0	31.0	42.0	10.6	.3		.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17-557, FL STATION NAME ALL-WEATHER YEAR 1957 MONTH JUL
CLASS ALL-WEATHER HOURS (L.S.T.) 17
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	.0	1.7	.3									1.0	4.7
NNE	.0	1.7	1.7									3.4	5.0
NE		.0	1.7	.7								1.0	8.5
ENE		.0	.7	.6								1.6	.4
E	.0	4.7	1.7	3.5								13.0	.7
ESE	.0	1.7	17.3	4.5								21.3	.7
SE	.0	1.7	1.3	1.0	.3							1.4	7.0
SSE	1.7	4.5	4.5	1.0								11.0	7.7
S	1.0	4.7	2.0	1.0								10.0	.7
SSW	.0	1.7	1.7									3.4	5.7
SW	.0	1.0	1.7	.7								3.4	7.0
WSW			.0	.3								1.0	10.3
W		.0	.6									1.0	7.0
WNW	.0	.3	.3									1.0	7.0
NW	.0	1.7	.0									2.0	5.3
NNW	1.0	1.0	.0									2.0	4.4
VARB													
CALM												1.0	
	1.0	31.7	42.0	14.0	.3							10.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 WEST, FL STATION NAME WEST, FL YEARS 1951-1952 MONTH JUL
CLASS ALL WEATHER
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	0	1	0									1	0.2
NNE	0	0	0									1	0.5
NE	0	0	0									0	0.0
ENE	0	0	0	0								1	0.6
E	0	3	6	2								14	7.6
ESE	1	5	15	2	0							25	7.9
SE	1	7	8	1								18	7.6
SSE	1	3	2	0								6	5.7
S	0	4	1	0								7	5.0
SSW		2	0									7	5.4
SW	0	1	1									3	5.6
WSW	0	0	0	1								2	5.2
W	0			0								0	4.0
WNW		1	0									1	4.3
NW		1	0	0								2	6.5
NNW	1	1	0	0								3	5.1
VARIABLE													
CALM													
	1	35	40	9	0	0						100	6.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

7225 264864432

7228

1

:

1

HOWARD (L. S. T.)

CLAIMS

COMMITMENT

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	.0		.0									2.0	1.9
NNE	.0	.0										1.0	1.0
NE	1.0	1.0	.4	.0								3.0	5.1
NNE	.0	1.0	.0	.0								1.0	1.0
E	0.0	0.4	1.0	3.0	.0							7.0	7.0
ESE	0.2	.0	1.0	1.0								24.0	6.0
SE	.0	0.0	1.0									7.1	4.0
SSE	1.0	1.0	1.0	1.0								1.5	7.0
S	1.0	2.0	.0									3.0	4.0
SSW	.0	1.0				.0						0.3	.6
SW		.0										1.0	.3
WSW		.0	.0	.0								1.0	.6
W	.0	1.0	.0									2.0	4.0
WNW	1.0	1.0	.0									2.0	4.4
NW	.0	1.0	.0	.0								1.0	5.0
NNW	.0	.0										.0	1.0
VARIABLE													
CALM													
	10.1	34.0	31.0	7.4	.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS**SMOS**

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 WEST, FL STATION NAME WEST, FL YEAR 1961 MONTH 1
 ALL WEATHER CLASS 1
 CONDITION 1
 HOURS (L.S.T.) 12

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	0.0	0.0										1.0	1.3
NNE	0.0											0.0	2.0
NE	1.0	2.0	0.0									4.0	4.7
NNE	1.0	4.0	1.0	0.0								7.0	5.3
E	1.0	0.7	1.0	0.5								3.0	7.1
ESE	0.0	1.0	0.4	1.0								2.4	5.0
SE	1.0	0.0	1.0	1.0								3.0	5.0
SSE	0.0	2.0	1.0	0.0								3.0	5.0
S	1.0	1.0	1.0	0.0								3.0	5.4
SSW	0.0	0.0	1.0	0.0								2.0	7.0
SW	0.0											0.0	0.0
WSW	0.0	0.0		0.0								1.0	5.0
W	0.0	0.0										1.0	4.0
WWW	0.0	0.0	0.0									1.0	4.0
NW	0.0	0.0										1.0	3.3
NNW		0.0	0.0									1.0	0.0
VARB													
CALM												7.0	
	1.0	3.0	2.0	0.0								10.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION 201 WEST, FL 17-20 YEARS MONTH ALL WEATHER CLASS CONDITION 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	.0	.0	.0	.0								1.2	4.5
NNE	.0	.0	.0									1.0	4.0
NE	.1	1.2	.0	.1								2.0	4.7
NNE	.0	2.3	.0	.2								4.0	4.4
E	.2	.1	.0	2.6	.0							10.0	7.0
ESE	2.4	2.6	11.0	2.6	.0							24.2	7.1
SE	.0	.0	5.2	1.0	.1							17.0	6.4
SSE	1.0	1.1	2.4	.0								7.6	6.4
S	.2	.0	2.0	.0								7.0	6.8
SSW	.0	1.1	.0	.0		.0						2.0	6.0
SW	.0	.0	.0	.2								7.0	5.0
WSW	.0	.0	.0	.3								1.0	5.7
W	.0	.0	.1	.1								1.0	5.0
WWW	.0	.0	.0									1.0	4.9
NW	.0	.0	.7	.1	.0		.0					1.0	5.0
NNW	.0	.0	.0	.0								1.2	4.0
VARBL													
CALM													
	17.4	34.4	33.0	9.6	.2	.0	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 24

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17 EST. FL STATION NAME CLASS YEARS MONTH HOURS (LST)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5										1.0	4.2
NNE	.2											.7	2.0
NE	2.2	2.0	.7	.7								6.0	4.3
NNE	2.4	5.5	7.1	.6								15.0	5.7
E	1.0	7.4	17.3	3.9								24.5	7.0
ESE	2.3	5.1	17.3	3.5	.6							22.0	7.7
SE	1.0	4.5	3.0	1.6	.3							11.0	7.1
SSE		.0	2.5									5.5	6.3
S		.0	1.7	.3								2.3	.9
SSW	.0	.2	.7									1.0	4.0
SW			.0									.7	.0
WSW			.0	.4								1.0	11.3
W		.0		.7								.0	8.0
WNW	.0		.0									.0	1.0
NW	.0	.2										.0	4.0
NNW	.0		.0									.0	.0
VARA													
CALM												.0	
	17.0	3.2	37.0	11.3	1.0							10.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 ASHEVILLE, FL STATION NAME ASHEVILLE YEARS 1950-51 MONTH 1

CLASS LL - CATHER

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
NE	2.0	1.0	1.0	.7	.0	.0	.0	.0	.0	.0	.0	1.1	4.4
ENE	1.0	4.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
E	2.0	7.1	7.5	1.6	.0	.0	.0	.0	.0	.0	.0	17.7	6.5
ESE	.0	.7	8.7	1.6	.0	.0	.0	.0	.0	.0	.0	20.7	6.4
SE	.0	5.2	5.7	1.9	.0	.0	.0	.0	.0	.0	.0	16.8	6.5
SSE	1.0	2.6	7.2	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.2
S	1.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.0	6.3
SSW	.7	1.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	1.7	6.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.3
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
W	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
NW	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.3
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	1.3	34.0	30.7	5.0	.3	.3	.0	.0	.0	.0	.0	10.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME 2-47 YEARS 2 NORTH

CLASS

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	•	•										•	•
NE	2.0	2.0	1.0									7.7	•.3
ENE	2.0	4.0	2.0	1.0								10.0	•.0
E	3.0	4.0	6.0	•.7	•.3							1.0	•
ESE	1.0	•.4	7.0	1.6								1.0	•.1
SE	1.0	6.1	6.1	1.7								14.0	•.0
SSE	•	•.5	2.0									•.1	•.0
S	1.0	1.7	1.7	•.3								•.2	•.0
SSW	•	•.1	•.7			•						1.0	•.0
SW		•										•	•.0
WSW	•	•.7	•.7									1.0	•.3
W													
WNW		•										•	•.0
NW	•	•.7										1.0	2.0
NNW	•											•	•.0
VARB													
CALM												•	
	1.0	37.7	31.0	4.5	•.3	•.3						0.0	•.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7406-102

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 STATION NAME FOREST, FL YEARS 1957 MONTH 1

CLASS LL - FATH

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	1.
NNE	.	.	.	.								.3	.3
NE	.	1.	5.									.7	.7
ENE	.	2.	1.	1.3								6.	7.8
E	.	4.	12.	7.8		.						23.	4.
ESE	.	4.	11.	5.2								31.	5.
SE	1.	4.	8.1	1.								18.5	7.2
SSE	.	7.	2.	1.								4.	5.
S	.	7.	7.	5.								7.	9.
SSW	.	1.	1.									2.	5.1
SW		.	.									.	5.
WSW	.	2.	2.									1.3	5.
W			.	.3								.	11.
WNW	.		.									1.	7.
NW		.										.	.
NNW	.	.	.									1.	4.5
VARBL													
CALM												.	
	7.7	20.7	44.5	14.2		.						100.	5.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0	.0	4.4	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

7466 94 32

1725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	STATION	2	STATION NAME	3-5	YEARS	6	MONTH
			LL	SEAS			
			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	.1
NNE			1.0									1.0	.1
NE		1.0		1.0		.7						1.0	.1
ENE			1.0									.2	.7
E	1.0	.7	1.0	5.5	.7	.7						2.5	.9
ESE	1.7	.7	6.7	4.5								2.0	.1
SE	1.0	7.1	7.7	1.7								1.0	.7
SSE	1.0	7.2	7.0	.6								.0	.0
S	.7	7.7		.7								4.0	.7
SSW		1.0	1.7									.7	.7
SW			.7									1.0	.7
WSW			.7	.7								1.0	.3
W	.7	.7	.7									1.0	.7
WNW			.6									1.0	.0
NW			.7									1.0	.0
NNW	1.7	1.7	.7									.0	.7
VARBL													
CALM												1.0	
	17.3	34.0	37.0	15.0	.7	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

7006432

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (LST)

STATION NAME CLASS YEARS MONTH HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0										1.0	1.0
NNE	1.0	.0		.0								1.0	.0
NE	1.0	1.0	.0	.0								2.0	.0
ENE	1.0	1.0	2.0	1.0	.0							5.0	1.0
E	.0	.0	1.0	3.0	.0							4.0	1.0
ESE	.0	.0	.0	4.0	.0							4.0	1.0
SE	.0	.0	1.0									1.0	1.0
SSE	.0	.0	1.0									1.0	1.0
S	.0	.0		.0	.0							1.0	1.0
SSW	.0	1.0										1.0	1.0
SW	.0		.0									1.0	1.0
WSW	.0	.0	.0									1.0	1.0
W													
WNW	.0	.0		.0								1.0	1.0
NW		1.0	.0									1.0	1.0
NNW	.0	1.0										1.0	1.0
VARBL													
CALM												5.0	
	1.0	2.0	2.0	1.0	1.0							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	NORTH
	LL FAHET		12
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.7	2.0
NNE		1.0										1.0	4.3
NE		1.0	1.0	.4								6.0	.3
ENE		1.0	1.0	1.0	.7							.7	7.0
E	1.0	1.0	10.0	4.0								7.0	7.0
ESE	1.0	1.0	1.0	2.0	.7							7.0	7.0
SE		4.0	1.0		.7							6.0	6.0
SSE		1.0	1.0	.4		.7						3.0	.0
S		1.0	1.0									1.0	5.1
SSW				.0								.3	1.0
SW			.0	.0	.0							1.0	1.0
WSW			.0									.0	.0
W													
WNW	.0	.0	.0									1.0	4.0
NW	.0	.0	.0									1.0	6.4
NNW		.0										.0	5.0
VARBL													
CALM													
	11.3	32.3	35.7	19.0	1.3	.7						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

24664432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	STATION	STATION NAME	YEARS	MONTH
		ALL EARTH		ALL
		CLASS		MOON (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	.	.	.	.	.	.	.	.	.	.	.	.1	4.6
NNE	.	.	.	.1	.	.	.	.	.	.	.	.1	4.6
NE	.	.	1.	.4	.	.	.	.	.	.	.	.	5.3
ENE	1.	.	2.	.	.1	.	.	.	.	.	.	.	4.7
E	.	6.	1.	.1	.2	.1	.	.	.	.	.	.7	7.6
ESE	.	1.	2.	.7	.	.	.	.	.	.	.	.2	7.1
SE	1.	4.	1.	1.2	.1	.	.	.	.	.	.	1.4	6.7
SSE	.	2.	2.	.2	.	.	.	.	.	.	.	.1	7.8
S	.1	2.	1.2	.4	.1	.	.	.	.	.	.	4.	6.1
SSW	.	1.	.	.1	.	.	.	.	.	.	.	.2	6.1
SW	.	.	.	.	.	.	.	.	.	.	.	.	5.6
WSW	.	.	.6	.7	.	.	.	.	.	.	.	1.	5.4
W	.	.	.	.1	.	.	.	.	.	.	.	.4	5.1
WNW	.	.	.	.	.	.	.	.	.	.	.	1.	5.1
NW	.	.	.7	.	.	.	.	.	.	.	.	.2	5.1
NNW	.	.	.1	.	.	.	.	.	.	.	.	.1	4.3
VARBL												.	
CALM												.	
	1.	12.7	35.7	11.2	.7	.7						10.7	5.6

TOTAL NUMBER OF OBSERVATIONS 2

SMOS



4

7000-102

720

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	EST. 19	19	19
STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	0.3
NNE				0.3								0.0	0.0
NE		0.3	0.7	0.7								5.0	0.0
ENE			0.0	0.3								1.0	0.0
E	1.0	0.0	0.7	0.3								1.0	0.0
ESE		0.7	0.0	0.0	0.7							1.0	0.7
SE		0.0	0.0	1.0	0.3							1.0	0.0
SSE		0.0	0.0	1.0								0.0	0.0
S		1.0	0.0	0.0								0.0	0.0
SSW		0.0										1.0	0.0
SW			0.0									1.0	0.0
WSW												0.0	0.0
W			0.0									0.0	0.0
WNW												0.0	0.0
NW		0.0										0.0	0.0
NNW	1.0	0.0	0.0									0.0	0.0
VARBL												1.0	0.0
CALM												1.0	0.0
	1.0	31.0	22.0	11.0	0.0							1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME: ASHEVILLE, NC YEARS: 1950-1951

CLASS: ALL DATA

CONDITION:

MOON (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM													
	1.0	10.0	22.0	10.0	1.0							10.0	5.0

TOTAL NUMBER OF OBSERVATIONS 0

SMOS



4

725

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

SURFACE WINDS

1	ASHEVILLE, NC	1961	1961
STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3
NNE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7
NE	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
ENE	.0	7.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
E	.0	5.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
ESE	.0	5.0	4.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
SE	.0	4.0	4.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
SSE	.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6
S	1.0	7.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
VARS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
	20.0	30.0	1.0	10.0	1.0	.0	.0	.0	.0	.0	.0	10.0	5.1

TOTAL NUMBER OF OBSERVATIONS 6

8805

4

NO. 42

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1957-58 MONTH: 1

CLASS: ALL WEATHER

CONDITION:

NUMBER OF OBSERVATIONS: 100

SPEED (KNTS) DIR.	1 - 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	1.0
NNE	1.0	.0	1.0	.0								2.0	1.1
NE	1.0	.0	1.0									2.0	1.1
ENE	.0	2.0	4.0	1.0	.0							7.0	1.1
E	1.0	6.0	5.0	4.0								16.0	2.6
ESE	1.0	4.0	5.0	3.0								13.0	2.7
SE	1.0	3.0	6.0	3.0								13.0	2.7
SSE	.0	2.0	3.0	1.0	.0							6.0	2.0
S	1.0	4.0	1.0	2.0	.0							8.0	2.0
SSW		1.0	2.0									3.0	1.0
SW	.0	1.0	.0									2.0	1.0
WSW	.0	.0	.0	.0								1.0	.0
W	.0	.0	.0									1.0	.0
WNW	.0	.0		.0								1.0	.0
NW	.0	.0		.0								1.0	.0
NNW	.0											.0	.0
VARBL													
CALM													
	10.0	32.0	37.0	16.0	1.0							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-52 MONTH 1

LL ASHEVILLE
CLAS
CONDITON

MOVES (L & V) 1

SPEED (KNTS) DIR.	1 - 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									2.0	1.0
NNE	.0	1.0	2.0	.3								.3	1.7
NE		1.0	1.0	1.0								3.0	1.0
ENE		1.0	1.0	1.0	.3							.3	1.0
E	1.0	3.0	4.0	4.0	.3							14.0	.0
ESE	.0	4.0	0.0	1.0	.7							5.7	.0
SE		1.0	4.0	1.0	.7							6.7	9.0
SSE	.0	1.0	3.0	1.0								5.0	7.0
S	1.0	4.0	4.0	.3	.7							10.0	7.0
SSW	.0	2.0	1.0									3.0	5.0
SW		1.0	2.0	.3								3.3	5.0
WSW		.0										.0	5.0
W	.0	1.0	.0	.0								2.0	6.0
WNW		.0										.0	6.0
NW	1.0	.0	1.0									2.0	6.1
NNW	.0	1.0		.0								2.0	6.3
VARBL													
CALM													
	.0	30.0	37.0	16.0	2.0							85.0	.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: _____ STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____
HOURS: 1 L 5 P

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0									.0	.0
NNE	.0	.0	1.0	.0								.0	.0
NE	.0	.0	1.0	.0								.0	.0
ENE	.0	1.0	1.0	1.0								.0	.0
E	.0	.0	.0	.0	.0							.0	.0
ESE	.0	.0	.0	.0	.0							.0	.0
SE	.0	.0	.0	1.0								.0	.0
SSE	.0	.0	.0	1.0	.0							.0	.0
S	1.0	.0	.0	.0								.0	.0
SSW		1.0	1.0									.0	.0
SW		.0	.0									.0	.0
WSW		.0	.0									.0	.0
W	1.0	1.0	.0	.0								.0	.0
WNW	.0	1.0	.0	.0								.0	.0
NW	.0	1.0	.0									.0	.0
NNW		.0	.0									.0	.0
VARB												.0	.0
CALM												.0	.0
	11.0	3.0	3.0	1.0	.0							18.0	.0

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS

4
24665432

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 1

CLASS: LL WEATHER

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	0.0	1.0										1.0	0.0
NNE	0.0	1.0	1.0	0.0								2.0	0.0
NE	0.0	1.0	1.0	1.0								3.0	0.0
ENE	0.0	1.0	2.0	0.0								3.0	0.0
E	0.0	0.0	0.0	0.0	0.0							0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0							0.0	0.0
SE	0.0	0.0	0.0	0.0		0.0						0.0	0.0
SSE	0.0	1.0	1.0	0.0								2.0	0.0
S	0.0	1.0		1.0								2.0	0.0
SSW			0.0	0.0								0.0	0.0
SW	0.0	0.0										0.0	0.0
WSW	0.0	0.0		0.0								0.0	0.0
W	1.0	0.0		0.0								1.0	0.0
WNW	0.0	1.0		0.0								1.0	0.0
NW	1.0	1.0	1.0									3.0	0.0
NNW	0.0	0.0	0.0									0.0	0.0
VARBL													
CALM													
	1.0	3.0	2.0	1.0	0.0	0.0						6.0	0.1

TOTAL NUMBER OF OBSERVATIONS: 5

SMOS

4

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____
HOURS (L.S.T.): _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0									.0	.0
NNE	.0	.0	.0									.0	.0
NE	.0	.0	.0	.0								.0	.0
ENE	.0	.0	.0	.0								.0	.0
E	.0	.0	.0	.0	.0							.0	.0
ESE	.0	.0	.0	.0	.0							.0	.0
SE	.0	.0	.0	.0	.0							.0	.0
SSE	.0	.0	.0	.0	.0							.0	.0
S	.0	.0	.0	.0	.0							.0	.0
SSW												.0	.0
SW												.0	.0
WSW												.0	.0
W			.0									.0	.0
WNW	.0	.0										.0	.0
NW	.0	.0										.0	.0
NNW	.0	.0	.0									.0	.0
YARBL												.0	.0
CALM												.0	.0
	1.0	1.0	1.0	1.0	.0							1.0	.0

TOTAL NUMBER OF OBSERVATIONS: _____

SMOS



4

7406-142

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURE (L S T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	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.
NNE	.	1.1	1.	.								.1	1.
NE	.	2.1	1.	.								.1	1.
ENE	.	1.	1.	.	.1							.1	1.
E	.	1.	1.	4.4	.2							1.	7.
ESE	1.	.	1.	1.1	.2							1.	1.
SE	1.1	1.1	1.1	1.1	.2	.						1.	7.
SSE	.	1.	1.	1.1	.2							.	1.
S	1.1	1.1	1.	1.1	.2							1.	1.
SSW	.	.	.	.								1.	1.
SW	.	.	.	.	.1							1.	1.
WSW	.	.	.	.1								1.	1.
W	.	.	.	.1	.							1.	1.
WNW	.	.	.	.1								1.1	1.1
NW	.	.	.	.1								1.	1.1
NNW	.	1.	.1	.1								1.	1.
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	.	
	1.1	31.1	21.1	11.1	1.1	.						1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (L S Y) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

75564-10

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (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	.	.	.	.	.	.	.	.	.	.	.	.	7.
NNE	.	.	.	.	.	.	.	.	.	.	.	1.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	1.	.
	17.7	27.4	33.0	14.7	1.0							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7056 412

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	1.	1.								4.	7.0
NNE	1.	2.0	5.	5.0								1.0	1.0
NE	4.	2.	11.0	2.0								5.0	6.0
ENE	2.0	2.	2.0	2.0	.7							1.0	1.0
E	1.	1.0	4.0	0.0								0.4	0.
ESE	0.0		1.0	0.	.7							0.0	0.
SE		1.0	2.0									0.0	7.0
SSE	.	0.0	0.0	0.0								1.0	6.0
S		0.0	0.0									1.0	6.0
SSW		1.0										1.0	6.0
SW	.	0.0	0.0									1.0	4.0
WSW	.	0.0										1.0	0.
W	.											0.	1.0
WNW													
NW		0.		0.0								1.0	0.0
NNW		0.										0.0	0.
VARBL												1.0	
CALM													
	1.0	26.1	33.0	13.0	0.6							1.0	6.0

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

7486-4132

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL	CLASS	HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	2.6								0.7	1.0
NNE	0	0.0	0.0	0.1	0.7							1.0	0.7
NE	0	1.0	11.0	4.0	0.0							0.7	0.0
ENE	0.0	0.0	0.0	0.0								1.0	0.0
E	1.0	1.0	0.0	4.0	1.0							14.0	0.0
ESE	0.0	1.0	2.0	1.0								0.0	0.0
SE	0.0	1.0	3.0	0.0								0.0	0.0
SSE	0.0	0.0	0.0	0.0								0.0	0.0
S	0.0	1.0	1.0	0.0								0.0	0.0
SSW	0.0	0.0	0.0									0.0	0.0
SW	0.0		0.0									0.0	0.0
WSW	0.0		1.0									1.0	0.0
W		0.0	0.0		0.0							1.0	0.0
WNW		0.0	0.0									0.0	0.0
NW	0.0	0.0										0.0	0.0
NNW	0.0		0.0									1.0	0.0
VARBL												1.0	
CALM												1.0	
	0.0	10.0	44.0	70.1	2.0							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1957, 1958

CLASS: ALL FAIR

CONDITION:

STATION: 1 NORTH: 1

HOURLY: 11.5

SPEED (KTS) DIR.	1-3	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	0.0	0.0	2.0	0.3							10.3	7.0
NNE	0.0	1.0	0.0	4.0	0.3							14.5	6.4
NE	0.0	2.0	0.0	4.0	0.6							14.5	6.6
ENE	0.0	1.0	0.0	0.0	1.0							11.0	10.0
E	0.0	1.0	0.0	0.0	1.0							11.0	11.0
ESE	0.0	2.0	0.0	0.0								0.0	0.0
SE	0.0	2.0	0.0	1.0								0.0	0.0
SSE	0.0	0.0	1.0									0.0	0.0
S	0.0	1.0	0.0	0.0								0.0	0.0
SSW	0.0	0.0	0.0									0.0	0.0
SW	0.0	0.0	0.0									0.0	0.0
WSW	0.0	0.0	0.0									0.0	0.0
W	0.0	0.0	0.0									0.0	0.0
WNW	0.0	0.0	0.0									0.0	0.0
NW	0.0	1.0	0.0									0.0	0.0
NNW	0.0	0.0	1.0	0.0								0.0	0.0
VARB													
CALM												1.0	
	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 1

SMOS



4

248644-2

125

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

SURFACE WINDS

1	EST. FL	19	19	19
STATION	STATION NAME	YEARS	MONTH	HOURS (L.P.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	.0	7.0	8.1	1.0								10.3	.7
NNE	1.0	1.0	6.0	1.0								1.0	.0
NE	.0	2.0	1.0	3.0								1.0	.0
ENE		.0	4.0	7.4	1.0							15.0	11.3
E	.0	1.0	7.7	3.7	.6							10.0	10.0
ESE	.0	2.0	5.0	.3								1.0	2.0
SE	.0	1.0	1.0	.6								4.0	7.0
SSE		1.0	.0									1.0	.0
S	.0	1.0	.0									2.0	5.1
SSW	.0	1.0										1.0	4.5
SW	.0	.6	.0									1.3	4.0
WSW	.0	.0										.0	3.0
W	.0		.0									.0	4.5
WNW	.0	1.0										1.0	7.4
NW	1.0		.0									1.0	4.0
NNW	.0	2.0	1.0	.0								1.0	3.3
VARB													
CALM												1.0	
	.1	2.5	3.4	24.5	2.6							10.0	.3

TOTAL NUMBER OF OBSERVATIONS

11

SMOS

4
2446432

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1957-1958 NORTH 17
CLASS LL
CONDITION FAIR
HOURS (L.S.T.) 17

SPEED (KNTS) DIR.	1 - 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	4.5	4.5	1.7								1.0	3.0
NNE	.7	1.7	1.0	.6								.0	1.1
NE	.7	2.7	2.7	3.7	1.0							12.0	6.6
ENE	.7	4.7	7.7	7.1	.7							20.4	3.3
E	.7	4.7	11.7	7.2	.6							22.0	4.0
ESE	1.0	1.3	2.0	.7								5.0	2.0
SE	.0	.3	.6									1.0	1.0
SSE	.0	.6										1.0	1.0
S	.0	.3										.0	3.0
SSW	.0		.7									.0	.5
SW	.0	.3										.0	.0
WSW													
W													
WNW	.0	.7	.7									1.0	4.0
NW	.0	.7										1.0	1.3
NNW	1.7	1.0	.7	.6								4.5	2.8
VARBL													
CALM												5.0	
	17.0	25.0	32.0	16.0	1.0							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



4

2000-01-01

722

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

SURFACE WINDS

1	EST, FL	17-1		
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)
ALL WEATHER				
CLASS				
CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	4.7	1.7								10.0	1.1
NNE		3.0	1.7	2.3								7.4	1.8
NE	1.7	2.0	5.7	4.8								11.5	2.3
ENE	1.0	2.4	11.6	5.2	.6							27.4	7.1
E	1.0	3.2	7.1	2.6	.3							14.0	7.6
ESE	1.0	7.3	1.6	1.0								5.0	1.4
SE	1.0	1.3	.6	.3								1.2	0.1
SSE												.1	.0
S	.7	.7	.2									1.3	0.3
SSW		.0										.0	.0
SW		.0										.0	.0
WSW													
W	.0											.0	2.0
WNW													
NW	1.0	.3										1.3	3.3
NNW	1.0	.0	.3									1.0	4.3
VARBL													
CALM												2.7	
	11.0	27.1	33.0	17.4	1.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 17

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 157. F STATION NAME ALL-WEATHER YEARS 1951-1952 MONTH ALL
CLASS CL
CONDITION CL
HOURS (LST) CL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	3.4	1.0	.0							.0	1.1
NNE	1.0	1.0	4.0	2.0	.0							10.0	2.0
NE	2.2	4.0	7.7	4.0	.0							17.8	4.0
ENE	1.0	4.0	6.0	4.0	.0							17.8	4.0
E	1.0	2.0	6.0	4.0	.0							17.8	4.0
ESE	.0	1.0	2.0	1.0	.1							4.0	1.0
SE	.0	1.0	1.0	.0	.0							3.0	1.0
SSE	.0	.0	.0	.1								1.0	.0
S	.0	.0	.0	.1								.1	.0
SSW	.0	.0	.0	.0								.0	.0
SW	.0	.0	.0	.0								.0	.0
WSW	.0	.0	.1	.0								.0	.0
W	.0	.0	.1	.0	.0							.0	.0
WNW	.0	.0	.1	.0								.0	.0
NW	.0	.0	.1	.0								1.0	1.0
NNW	.0	.0	.0	.0								.0	.0
VARBL													
CALM													
	11.0	14.0	34.0	20.0	1.0							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 20

SMOS

4
7406-542
7205

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (L S Y) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	14.7	1.1
NNE	.	4.7	4.7	4.7	5.7	.	.	.	.	.	.	14.7	1.1
NE	1.7	.	7.7	7.7	7.7	.	.	.	.	.	.	24.7	7.4
ENE	.	4.7	7.7	7.7	.	.	.	.	.	.	.	14.7	7.4
E	1.7	1.7	7.7	7.7	5.7	5.7	.	.	.	.	.	14.7	7.4
ESE	1.7	.	4.7	7.7	.	.	.	.	.	.	.	14.7	7.4
SE	.	.	1.7	1.7	.	5.7	.	.	.	.	.	4.7	7.4
SSE	.	.	1.7	.	.	.	.	.	.	.	.	1.7	6.7
S	.	.	.	.	.	.	.	.	.	.	.	5.7	2.7
SSW	.	.	.	.	.	.	.	.	.	.	.	5.7	14.7
SW	.	.	.	.	.	.	.	.	.	.	.	5.7	5.7
WSW	.	.	.	.	.	.	.	.	.	.	.	1.7	5.7
W	.	.	.	.	.	.	.	.	.	.	.	5.7	5.7
WNW	.	.	.	.	.	.	.	.	.	.	.	5.7	2.7
NW	.	.	.	.	.	.	.	.	.	.	.	1.7	5.7
NNW	.	.	1.7	.	.	.	.	.	.	.	.	2.7	5.7
VARS	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.
	1.7	24.7	36.7	21.7	1.7	5.7	.	.	.	.	.	110.7	5.7

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

14084432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1951-1952 NORTH

CLASS: LL

CONDITION:

HOURS (LST):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	0.7	4.0	.0							4.7	1.0
NNE	.0	0.0	0.0	0.7	0.7							1.4	.1
NE	.0	1.0	11.0	4.0	0.7							17.7	.7
ENE	1.0	4.0	0.7	1.0								6.7	.4
E	.0	.0	0.7	0.7	0.7	0.7						3.4	.1
ESE	1.0	1.0	0.7	1.0								3.4	.7
SE	.0	.0	.0	1.0								1.0	.1
SSE		.0	0.7									0.7	.5
S			.0	0.7								0.7	1.2
SSW			.0									.0	.0
SW	.0			.0								.0	.0
WSW		.0										.0	.0
W		.0										.0	.0
WNW		.0										.0	.0
NW		.0	.0									.0	.0
NNW	.0	.0	.0	.0								1.0	.4
YARR													
CALM												5.0	
	.0	.0	31.0	20.0	1.7	.7						10.0	1.4

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS



4

24064432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	7.2	1.7	.7						1.7	12.
NNE	1.7	.	.	.	.3							1.7	.
NE	.	3.7	17.7	7.	1.7							7.7	7.7
ENE	1.7	3.7	7.7	1.7	.7							14.	7.7
E	.	1.7	7.	1.7	.7							7.7	9.
ESE	.	.	4.7	1.7								7.7	7.7
SE		1.7	1.7									7.7	7.1
SSE	.	.	.									7.7	7.7
S	.	.	.	.7								1.7	7.7
SSW		.										7.7	7.7
SW			.									1.7	7.7
WSW			.									7.7	7.7
W		.										7.7	7.7
WNW		.	.7									7.7	7.7
NW												7.7	7.7
NNW	.		.	1.								7.7	7.7
VARBL												7.7	7.7
CALM												7.7	7.7
	7.7	7.7	41.7	17.3	4.7	.7						10.7	7.

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

1406-417

1275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0	1.7	0	0	0	0	0	0	0	0	0	11.7
NNE	0	0	0	0	1.7	0	0	0	0	0	0	0	1.7
NE	0	0	1.7	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	1.7	0	0	0	0	0	0	0	0
E	0	1.7	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	1.7	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	1.7	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	1.7	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	17.3	48.3	32.7	0	0	0	0	0	0	0	100	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

10

4

74046-10-32

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	LL LEA FIVE		
	CLASS		HOURS (L S T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.7	7.7	4.0	6.7							1.7	.
NNE	.	1.7	7.7	7.7	6.7							1.7	11.7
NE		.	7.7	4.0	6.7							1.7	11.7
ENE	.	1.7	7.7	2.7	7.7							1.7	11.7
E		.	7.7	7.7	6.7	6.7						.	11.7
ESE		.	7.7	6.7	6.7							.	11.7
SE		.	7.7	6.7								.	6.7
SSE	.		7.7									1.7	.
S	.	1.7	1.7	6.7								1.7	7.7
SSW		.	7.7									.	6.7
SW		.	7.7									1.7	6.7
WSW			7.7	6.7								6.7	11.7
W		.	7.7									.	6.7
WNW			7.7									.	6.7
NW	.	.	7.7	6.7								6.7	6.7
NNW	.	6.7	6.7	6.7								4.0	6.7
VARBL												.	
CALM												.	
	6.7	14.7	41.7	73.0	6.7	6.7						1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

70664-32

1275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS 12 5 7
	CONDITION		

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

45865437

225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

LL 14-15

CLASS

HOURS (LST)

CONDITION

[illegible]**TOTAL NUMBER OF OBSERVATIONS****SMOS**

4

24584432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: LL CAMP YEARS: 1951 MONTH: 12
CLASS: LL HOURS (L.S.T.): 1200
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.7	2.7								10.7	7.7
NNE	.7	2.7	4.7	2.7	1.7							10.7	7.7
NE	.7	2.7	7.7	4.7	1.7							10.7	7.7
ENE	.7	2.7	1.7	9.7	1.7							10.7	7.7
E	.7	2.7	6.7	2.7								11.7	7.7
ESE	.7	2.7	4.7	1.7								10.7	7.7
SE	.7	.7	.7	.7	.7							5.7	7.7
SSE	.7											5.7	7.7
S	.7											5.7	7.7
SSW												5.7	7.7
SW		.7										5.7	7.7
WSW	.7		.7									1.7	7.7
W	.7											5.7	7.7
WNW												5.7	7.7
NW		.7	1.7		.7							1.7	7.7
NNW	.7	2.7	1.7	1.7	.7							4.7	7.7
VARBL												5.7	7.7
CALM												5.7	7.7
	.7	2.7	3.7	1.7	1.7							10.7	7.7

TOTAL NUMBER OF OBSERVATIONS: 1200

SMOS



4

1486432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1	STATION	STATION NAME	YEARS	NORTH
		CLASS		ALL
		CONDITION		HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	7.	7.	2.	1.						1.	.
NNE	.	3.	5.	4.	2.							14.	.
NE	1.	5.	7.	7.	6.							1.	.
ENE	.	2.	6.	7.	1.	.						15.	.
E	.	2.	6.	4.	6.	1.						1.	.
ESE	.	1.	4.	2.	1.							.	.
SE	.	.	1.	6.	1.	.						3.	.
SSE	.	.	7.	1.								1.	7.
S	.	.	.	6.								1.	7.
SSW	.	.	1.	1.								4.	.
SW	.	2.	.	.								.	.
WSW	.	.	.	.								.	.
W	.	2.	.									.	.
WNW	.	.	.									.	.
NW	.	2.	.	.	.							1.	2.
NNW	.	1.	1.	.	1.							3.	.
VARBL												.	
CALM												.	
	6.7	22.7	3.	24.3	7.	1.						10.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
2468442

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME: WEST, FL. STATION NAME: YEARS: MONTH: HOURS (LST):
CLASS:
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	0.0	0.0	0.0							0.0	0.0
NNE	1.0	0.0	0.0	0.0	0.0							0.0	0.0
NE	1.0	0.0	1.0	1.0								1.3	0.0
ENE		0.0	0.0	1.0								0.4	0.0
E		1.0	0.0	0.0								0.0	0.0
ESE		1.0	0.0	0.0								0.0	0.0
SE		1.0	0.0	0.0								0.0	0.0
SSE		0.0	1.0	1.0								0.0	0.0
S		1.0	1.0	0.0								0.0	0.0
SSW												0.0	0.0
SW												0.0	0.0
WSW			0.0									0.0	0.0
W												0.0	0.0
WNW		0.0	0.0	0.0								0.0	0.0
NW				1.0								0.0	0.0
NNW			1.0	1.0								0.0	0.0
VARB.													
CALM													
	10.0	20.0	40.0	21.0	1.0							10.0	0.1

TOTAL NUMBER OF OBSERVATIONS: 1

SNOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

1 STATION WEST, FL STATION NAME WEST, FL YEARS 1950-51 MONTH 01

CLASS LL WEATHER

CONDITION

MOVES (L.S.P.)

SPEED (KNTS) DIR.	1 - 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	2.0	1.0	4.0	.0							10.0	.0
NNE	.0	1.0	11.0	0.0								13.0	1.7
NE	.0	0.0	6.0	3.0								10.0	7.0
ENE	.0	2.0	2.0	1.0								5.0	1.0
E	.0	1.0	3.0	2.0	.0							6.0	.0
ESE	.0	1.0	2.0	2.0								5.0	1.0
SE	1.0	1.0	2.0	.0								4.0	1.0
SSE		.0	1.0	.0								3.0	.0
S		1.0	1.0	1.0								4.0	7.0
SSW	.0	.0	1.0									1.0	1.0
SW			.0									.0	.0
WSW	.0	.0										1.0	1.0
W		.0										.0	.0
WNW		.0	.0	.0	.0							1.0	1.0
NW	.0	.0	1.0	.0								2.0	1.0
NNW		.0	.0	1.0								2.0	1.0
VARBL													
CALM												4.0	
	.0	1.0	38.0	22.0	1.0							10.0	7.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17 STATION NAME WEST, FL YEARS 1967 MONTH 7
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	1.0	2.0	5.0								10.3	7.7
NNE	1.0	4.0	6.0	7.0	.3							10.1	7.7
NE	.	4.0	6.0	2.3								10.4	7.7
ENE	1.0	3.0	7.0	.6								10.7	7.7
E	1.7	1.0	7.0	2.3								10.7	7.7
ESE	.	2.0	4.0	1.0								10.0	7.7
SE		.	2.0	1.0								10.7	7.7
SSE		1.0	1.0		.7							10.0	7.7
S	.	1.0	2.0	.6								10.7	7.7
SSW	.	.	1.0									10.7	7.7
SW		.	1.0									10.7	7.7
WSW			.									10.7	7.7
W	.	.7	.7									10.7	7.7
WNW		.	.7	.3	.3							10.7	12.3
NW	.	.7	1.0	1.3								10.7	7.7
NNW		.	1.0	.7	.3							10.7	7.7
VARBL													
CALM													
	7.7	20.0	41.0	20.0	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 100

8MOS

4
2410643Z
7235

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (LST)

LL FATHER

CONDITION

SPEED (KNTS) DIR.	1 - 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	3.5	.3	.7						10.0	10.0
NNE		1.0	7.0	6.0	.3							15.0	10.1
NE	.	1.0	7.0	5.0								17.0	10.3
ENE	.	1.0	7.0	5.0	.6							14.0	.
E		1.0	2.0	4.0								7.0	10.0
ESE		.	2.0	2.0	.3							5.0	11.0
SE		.	2.0	1.0	.3							5.0	8.0
SSE		1.0	1.0	1.0								3.0	10.1
S		.	2.0	.6		.7						4.0	.
SSW	.	1.0	1.0	.3								3.0	10.0
SW			.	.6								1.0	10.0
WSW			.									.4	.
W			.		.7							1.0	10.0
WNW					.7							.7	10.0
NW				.								.7	11.0
NNW	.	.	1.0	1.0								3.0	10.0
VARIABLE													
CALM												.	
	2.0	11.0	45.0	36.0	2.0	.6						100.0	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

2406-412

7235

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 17-01-57, 11-01-57-0 YEARS 1957-1958

STATION NAME ALL-STATE CLASS NORTH

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	4.5	5.0	1.0							1.3	11.3
NNE	.3	1.0	7.7	5.0								1.2	11.3
NE		1.0	4.5	2.0								.3	9.7
ENE	.3		7.7	5.0	.5							1.3	11.3
E		.3	5.0	6.1	.5							1.3	11.3
ESE		.3	1.0	4.5	.5							.3	11.3
SE	.3	.3	3.0	1.0	.3							.3	9.7
SSE	.3		7.7	1.0								4.0	11.3
S	.3	1.0	2.5	.5								4.0	11.3
SSW		.3	1.0	1.0	.3							.3	11.3
SW		.3	1.0	1.0	.3							.3	11.3
WSW			.3	.3								.3	11.3
W		.3	.3									.3	11.3
WNW			.3	.3								1.0	11.3
NW		1.0	.3	.3								2.3	11.3
NNW	.3	1.0	1.0	3.5								.3	11.3
VARBL													
CALM												.3	
	.3	11.3	41.0	41.0	4.5							1.0	11.3

TOTAL NUMBER OF OBSERVATIONS 1

SMOS



4

NAME

TID

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

SURFACE WINDS

1	STATION	STATION NAME	YEARS	MONTH
		ALL	YEARS	MONTH
		CLASS		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.	5.	4.								10.	4.9
NNE	.	5.5	1.5	2.9								10.5	7.9
NE		1.	4.5	1.5								7.4	5.9
ENE	.	1.	1.5	5.2	1.9							5.7	12.9
E	.	1.	7.5	4.1	5.							10.5	11.9
ESE		1.	4.5	2.7	5.							10.3	5.9
SE		.	2.5	5.								4.7	5.9
SSE		.	2.5	5.								5.	5.9
S		.	1.5	5.3								2.	7.9
SSW	.	.	1.7	5.7								2.	7.9
SW	.	1.	5.									1.	5.9
WSW		.	5.7	5.3								1.7	10.9
W		.	1.	1.7	5.3							2.5	11.5
WNW	.	.	5.7									1.7	5.9
NW	.		5.	1.7								1.7	10.9
NNW		1.	2.5	1.7	5.3							7.	10.1
VARBL													
CALM													
	7.	17.4	42.4	31.6	7.9							10.2	5.9

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4
NAME 412
7275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS MONTH YEARS
 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													
NNE	1.0	3.0	3.0	1.0	.3							11.0	7.0
NE	1.0	3.0	3.0	1.0								10.0	7.0
ENE	1.0	2.0	3.0	5.0								10.0	7.0
E	1.0	3.0	3.0	3.0	.3							10.0	7.0
ESE	1.0	2.0	4.0	1.0	.3							10.0	7.0
SE	1.0	1.0	1.0	.3								10.0	7.0
SSE		1.0	.3									10.0	7.0
S												10.0	7.0
SSW			.3									10.0	7.0
SW												10.0	7.0
WSW			.3	.3								10.0	7.0
W			.3	.3								10.0	7.0
WNW			.3	.3								10.0	7.0
NW		1.0	.3	.3								10.0	7.0
NNW			1.0	1.0	.3							10.0	7.0
VARBL													
CALM													
	1.0	20.0	20.0	21.0	1.0							10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

1406 6432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION	STATION NAME	YEARS	NORTH
	LL LEATHER		
	CLASS		HOURS (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	.0	2.0	4.0	2.0								10.0	.0
NNE	.0	4.0	7.0	2.0	.0							10.0	.0
NE	1.0	4.0	6.0	1.0								14.0	7.0
ENE	1.0	5.0	4.0	2.0								12.0	7.0
E	1.0	3.0	7.0	4.0								17.0	10.0
ESE	.0	1.0	2.0	3.0								6.0	.0
SE	.0	.0	2.0	.0								2.0	7.0
SSE	.0	1.0	.0									2.0	4.0
S		1.0	.0									1.0	.0
SSW		.0										.0	5.0
SW	.0		.0	.0								1.0	3.0
WSW		.0	.0									.0	7.0
W			.0									.0	10.0
WNW	.0	.0		.0								1.0	8.0
NW	.0		.0	1.0		.0						1.0	10.0
NNW		1.0	.0	2.0	.0							4.0	10.0
VARBL													
CALM													
	10.0	26.0	25.0	27.0	.0	.0						100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

2466 (A32)

7235

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (L E S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.1	4.7	4.7	.7	.						1.0	1.0
NNE	.	4.0	6.0	7.0	.7							1.0	1.0
NE	.	.	7.1	2.7								1.0	7.0
ENE	.	7.1	4.0	7.4	.4							1.0	4.0
E	.	1.0	4.0	4.0	.0							1.0	1.0
ESE	.	1.0	7.7	7.1	.7							.0	1.0
SE	.	.	2.0	.0	.1							.0	1.0
SSE	.	.	1.0	.7	.7							2.4	.1
S	.	1.0	1.0	.0	.	.						.0	1.0
SSW	.	.	.	.0	.	.						2.0	.0
SW	.	.0	.	.0	.	.						1.0	.0
WSW	.	.	.7	.1								.	.0
W	.	.	.0	.0	.1							1.1	.
WNW	.	.0	.	.0	.1							1.0	.
NW	.	.	.	.0	.	.						.0	.
NNW	.0	.	1.0	1.0	.7							.0	1.0
VARBL												.	
CALM												.	
	6.0	1.0	4.0	27.0	7.0	.1						1.0	.0

TOTAL NUMBER OF OBSERVATIONS 7

SMOS

4
2446 6132
7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (LST) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

4

24066 6432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: STATION 41 CLASS: AVS 4 1/2 MI C MC
YEARS: 1970-71 MONTH: 1
HOURS: 15
CONDITION: AVS 4 1/2 MI C MC

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	1.1	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	1.1	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	1.7	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	1.7	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	1.1	7.4	7.1	1.1	1.1	1.4	.	.	.	.	.	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	≥ 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 ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

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

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

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

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

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

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

EXAMPLE # 5

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

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

Since these tabulations are prepared in several ways including 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

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 10000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 9000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1800	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1200	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 900	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 800	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 700	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 600	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 400	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 300	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 200	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 100	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

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		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
≥ 20000		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	71.2	71.2
IV 18000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 16000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 14000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 12000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 10000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 9000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 8000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 7000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 6000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 5000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 4500		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 4000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 3500		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 3000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 2500		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 2000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 1800		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 1500		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 1200		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 1000		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 900		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 800		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 700		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 600		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 500		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 400		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 300		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 200		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 100		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1
IV 0		66.4	56.7	47.1	37.3	27.3	17.3	7.3	2.7	1.2	0.6	0.3	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		•	61.7	61.7	41.9	41.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000		•	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	71.7
IV 18000		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	71.7	71.7
IV 16000		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	71.7	71.7
IV 14000		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	71.7	71.7
IV 12000		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	71.7	71.7
IV 10000		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	71.7	71.7
IV 9000		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	71.7	71.7
IV 8000		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	71.7	71.7
IV 7000		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	71.7	71.7
IV 6000		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	71.7	71.7
IV 5000		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	71.7	71.7
IV 4500		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	71.7	71.7
IV 4000		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	71.7	71.7
IV 3500		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	71.7	71.7
IV 3000		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	71.7	71.7
IV 2500		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	71.7	71.7
IV 2000		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	71.7	71.7
IV 1800		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	71.7	71.7
IV 1500		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	71.7	71.7
IV 1200		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	71.7	71.7
IV 1000		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	71.7	71.7
IV 900		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	71.7	71.7
IV 800		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	71.7	71.7
IV 700		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	71.7	71.7
IV 600		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	71.7	71.7
IV 500		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	71.7	71.7
IV 400		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	71.7	71.7
IV 300		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	71.7	71.7
IV 200		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	71.7	71.7
IV 100		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	71.7	71.7
IV 0		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	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

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		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 20000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 18000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 16000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 14000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 12000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 10000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 9000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 8000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 7000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 6000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 5000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4500		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 3500		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 3000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2500		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1500		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0		6.1	21.1	47.1	67.1	77.1	87.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

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	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1800																
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IV 1200																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS I L E 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																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 2000																
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IV 1200																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		5	6.7	10	6.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 20000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 16000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 14000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 12000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 10000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 9000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 8000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 7000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 6000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 5000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4500		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2500		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1800		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1500		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1200		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1000		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 900		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 800		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 700		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 600		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 500		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 400		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 300		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 200		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 100		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 0		4.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (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 ≥ 20000		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 18000		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 16000		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 14000		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 12000		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		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 9000		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 8000		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 7000		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 6000		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 5000		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 4500		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 4000		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 3500		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 3000		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 2500		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 2000		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 1800		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 1500		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 1200		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 1000		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 900		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 800		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 700		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 600		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 500		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 400		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 300		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 200		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 100		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 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	70.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (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		72.4	57.4	44.3	35.7	26.1	16.4	11.3	8.0	6.1	4.8	3.7	2.8	2.1	1.6	1.2
≥ 20000		72.7	72.7	72.3	72.7	72.7	72.3	72.3	72.7	72.3	72.7	72.3	72.3	72.3	72.7	72.7
IV 18000		72.7	72.7	72.3	72.3	72.3	72.3	72.3	72.7	72.3	72.7	72.3	72.3	72.3	72.3	72.7
IV 16000		72.7	72.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000		72.7	72.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 12000		72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000		72.7	72.7	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 9000		72.7	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
IV 8000		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	72.7	72.7
IV 7000		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	72.7	72.7
IV 6000		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	72.7	72.7
IV 5000		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	72.7	72.7
IV 4500		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	72.7	72.7
IV 4000		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	72.7	72.7
IV 3500		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	72.7	72.7
IV 3000		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	72.7	72.7
IV 2500		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	72.7	72.7
IV 2000		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	72.7	72.7
IV 1800		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	72.7	72.7
IV 1500		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	72.7	72.7
IV 1200		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	72.7	72.7
IV 1000		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	72.7	72.7
IV 900		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	72.7	72.7
IV 800		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	72.7	72.7
IV 700		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	72.7	72.7
IV 600		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	72.7	72.7
IV 500		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	72.7	72.7
IV 400		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	72.7	72.7
IV 300		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	72.7	72.7
IV 200		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	72.7	72.7
IV 100		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	72.7	72.7
IV 0		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SWS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

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	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4300		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		7.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 20000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 18000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 16000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 14000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 12000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 10000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 9000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 8000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 7000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 6000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 5000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 4500		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 4000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 3500		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 3000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 2500		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 2000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 1800		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 1500		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 1200		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 1000		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 900		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 800		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 700		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 600		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 500		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 400		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 300		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 200		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 100		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
IV 0		1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORPH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L E 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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE L S T

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

3/4

THE LANCET 1 FEB 1980

941

A large grid of 100 squares, arranged in 10 rows and 10 columns. The top-left square is shaded gray, representing 1% of the total area.



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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOUSE (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	7.1	7.1	53.2	53.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 20000	4.0	81.8	11.5	84.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18000	4.0	37.3	56.5	56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16000	4.0	61.8	56.5	56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14000	4.0	84.8	56.5	56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12000	4.0	81.8	56.5	56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
9000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
8000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
7000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
6000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
5000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
4500	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
4000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
3500	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
3000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2500	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
2000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1800	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1500	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1200	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
1000	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
900	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
800	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
700	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
600	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
500	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
400	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
300	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
200	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
100	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
0	4.0	87.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2
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		2.1	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 20000		1.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000		5.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000		5.1	87.1	87.1	87.1	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 14000		5.1	87.1	87.1	87.1	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 12000		5.1	87.1	87.1	87.1	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 10000		7.1	84.1	84.1	84.1	5.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 9000		7.1	84.1	84.1	84.1	5.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 8000		1.1	92.6	92.6	92.6	2.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 7000		2.3	93.2	93.2	93.2	3.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 6000		3.5	93.2	93.2	93.2	3.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 5000		2.3	93.2	93.2	93.2	3.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 4500		2.5	93.6	93.6	93.6	3.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 4000		3.2	94.2	94.2	94.2	4.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500		3.5	94.8	94.8	94.8	4.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 3000		4.5	95.5	95.5	95.5	5.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500		5.1	96.7	96.7	96.7	6.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000		5.1	97.8	97.8	97.8	7.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800		5.5	97.7	97.7	97.7	7.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500		7.4	99.7	99.7	99.7	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200		7.7	99.4	99.4	99.4	9.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		8.4	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME NAVY WEATHER, FL YEARS 72-92 MONTHS ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.6	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	83.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 18000	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	83.2
≥ 16000	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	83.2
≥ 14000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 12000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 10000	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	84.5
≥ 9000	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	84.5
≥ 8000	87.7	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
≥ 7000	87.7	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
≥ 6000	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	89.4
≥ 5000	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	89.4
≥ 4500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	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	95.2	95.2	95.2
≥ 2000	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	95.2	95.2	95.2
≥ 1800	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	96.7	96.7	96.7
≥ 1500	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	96.7	96.7	96.7
≥ 1200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 23.2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1951-1952 MONTH ALL
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (LST) 0000-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	1.0	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
≥ 20000	8.0	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	88.0	88.0
≥ 18000	8.0	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	88.0	88.0
≥ 16000	8.0	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	88.0	88.0
≥ 14000	8.0	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	88.0	88.0
≥ 12000	8.0	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	88.0	88.0
≥ 10000	8.0	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	88.0	88.0
≥ 9000	8.0	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	88.0	88.0
≥ 8000	8.0	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	88.0	88.0
≥ 7000	8.0	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	88.0	88.0
≥ 6000	8.0	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	88.0	88.0
≥ 5000	8.0	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	88.0	88.0
≥ 4500	8.0	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	88.0	88.0
≥ 4000	8.0	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	88.0	88.0
≥ 3500	8.0	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	88.0	88.0
≥ 3000	8.0	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	88.0	88.0
≥ 2500	8.0	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	88.0	88.0
≥ 2000	8.0	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	88.0	88.0
≥ 1800	8.0	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	88.0	88.0
≥ 1500	8.0	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	88.0	88.0
≥ 1200	8.0	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	88.0	88.0
≥ 1000	8.0	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	88.0	88.0
≥ 900	8.0	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	88.0	88.0
≥ 800	8.0	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	88.0	88.0
≥ 700	8.0	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	88.0	88.0
≥ 600	8.0	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	88.0	88.0
≥ 500	8.0	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	88.0	88.0
≥ 400	8.0	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	88.0	88.0
≥ 300	8.0	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	88.0	88.0
≥ 200	8.0	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	88.0	88.0
≥ 100	8.0	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	88.0	88.0
≥ 0	8.0	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	88.0	88.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, FL STATION NUMBER: 33-00 YEARS: MONTH: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	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	74.3
IV 18000	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	74.3
IV 16000	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	74.3
IV 14000	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	74.3
IV 12000	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	74.3
IV 10000	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	74.3
IV 9000	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	74.3
IV 8000	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	74.3
IV 7000	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	74.3
IV 6000	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	74.3
IV 5000	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	74.3
IV 4500	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	74.3
IV 4000	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	74.3
IV 3500	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	74.3
IV 3000	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	74.3
IV 2500	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	74.3
IV 2000	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	74.3
IV 1800	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	74.3
IV 1500	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	74.3
IV 1200	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	74.3
IV 1000	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	74.3
IV 900	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	74.3
IV 800	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	74.3
IV 700	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	74.3
IV 600	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	74.3
IV 500	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	74.3
IV 400	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	74.3
IV 300	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	74.3
IV 200	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	74.3
IV 100	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	74.3
IV 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	74.3	74.3	74.3

TOTAL NUMBER OF OBSERVATIONS: 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	71.3	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	71.7
≥ 20000	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	71.7	71.7	71.7
IV 18000	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	71.7	71.7	71.7
IV 16000	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	71.7	71.7	71.7
IV 14000	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	71.7	71.7	71.7
IV 12000	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	71.7	71.7	71.7
IV 10000	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	71.7	71.7	71.7
IV 9000	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	71.7	71.7	71.7
IV 8000	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	71.7	71.7	71.7
IV 7000	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	71.7	71.7	71.7
IV 6000	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	71.7	71.7	71.7
IV 5000	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	71.7	71.7	71.7
IV 4500	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	71.7	71.7	71.7
IV 4000	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	71.7	71.7	71.7
IV 3500	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	71.7	71.7	71.7
IV 3000	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	71.7	71.7	71.7
IV 2500	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	71.7	71.7	71.7
IV 2000	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	71.7	71.7	71.7
IV 1800	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	71.7	71.7	71.7
IV 1500	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	71.7	71.7	71.7
IV 1200	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	71.7	71.7	71.7
IV 1000	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	71.7	71.7	71.7
IV 900	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	71.7	71.7	71.7
IV 800	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	71.7	71.7	71.7
IV 700	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	71.7	71.7	71.7
IV 600	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	71.7	71.7	71.7
IV 500	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	71.7	71.7	71.7
IV 400	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	71.7	71.7	71.7
IV 300	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	71.7	71.7	71.7
IV 200	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	71.7	71.7	71.7
IV 100	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	71.7	71.7	71.7
IV 0	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	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

176

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 4557, FL STATION NAME 72-42 YEARS 4PT NORTH
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		17.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 20000		6.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 18000		6.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 16000		6.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 14000		6.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IV 12000		6.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 10000		8.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 9000		8.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 8000		10.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IV 7000		11.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
IV 6000		12.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IV 5000		13.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 4500		14.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 4000		15.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IV 3500		16.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 3000		17.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 2500		18.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 2000		19.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 1800		20.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 1500		21.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 1200		22.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 1000		23.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 900		24.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 800		25.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 700		26.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 600		27.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 500		28.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 400		29.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 300		30.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 200		31.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 100		32.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 0		33.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	74.3	77.3	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	75.7
≥ 20000	74.3	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 18000	74.3	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 16000	74.3	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 14000	74.3	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 12000	74.3	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 10000	74.3	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 9000	74.3	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 8000	74.3	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 7000	74.3	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 6000	74.3	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	74.3	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 4500	74.3	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 4000	74.3	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 3500	74.3	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 3000	74.3	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 2500	74.3	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 2000	74.3	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 1800	74.3	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 1500	74.3	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 1200	74.3	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 1000	74.3	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 900	74.3	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 800	74.3	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 700	74.3	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 600	74.3	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 500	74.3	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 400	74.3	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 300	74.3	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 200	74.3	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 100	74.3	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 0	74.3	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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1 STATION NAME 73-31 YEARS MONTH 1 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
IV 20000	7.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 18000	7.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 16000	7.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 14000	7.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 12000	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 10000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 9000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 8000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 7000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 6000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 5000	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 4500	1.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 4000	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 3500	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 3000	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 2500	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 2000	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 1800	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 1500	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 1200	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 1000	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 900	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 800	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 700	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 600	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 500	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 400	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 300	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 200	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 100	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.
IV 0	4.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.	47.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 11 1951

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 20000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 18000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 16000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 14000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 12000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 10000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 9000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 8000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 7000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 6000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 5000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 4500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 4000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 3500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 3000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 2500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 2000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 1800	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 1500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 1200	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 1000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 900	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 800	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 700	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 600	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 400	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 300	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 200	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 100	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
IV 0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & 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		3.7	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
≥ 20000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
18000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
16000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
14000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
12000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
10000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
9000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
8000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
7000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
6000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
5000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
4500		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
4000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
3500		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
3000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2500		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
2000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
1800		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
1500		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
1200		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
1000		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
900		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
800		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
700		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
600		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
500		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
400		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
300		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
200		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
100		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
0		3.7	33.7	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION: YEARS: MONTH: HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	7.4	6.5	5.5	4.7	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11-11 STATION NAME YEARS MONTH HOUSE (LBY)

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		5.7	67.1	57.7	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 20000		1.0	67.6	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 18000		1.0	67.6	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 16000		1.0	67.6	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 14000		1.0	67.6	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 12000		1.0	67.6	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 10000		4.0	67.6	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 9000		5.0	67.6	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 8000		6.0	67.6	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		1.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 6000		1.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000		1.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500		2.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4000		3.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500		3.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000		3.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500		4.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2000		4.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1800		4.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1500		5.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1200		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 1000		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 900		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 800		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 700		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 600		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 500		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 400		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 300		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 200		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 100		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 0		6.0	67.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
IV 18000	4.4	24.5	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IV 16000	3.5	14.5	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IV 14000	4.2	14.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 12000	5.1	16.1	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 10000	7.1	17.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 9000	8.1	18.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 8000	10.1	20.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 7000	11.1	21.7	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
IV 6000	11.4	22.6	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
IV 5000	12.3	23.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 4500	12.3	23.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 4000	12.9	24.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3500	15.2	25.9	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 3000	15.5	26.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2500	15.5	26.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2000	16.1	26.7	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 1800	16.5	27.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 1500	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1200	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1000	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 900	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 800	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 700	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 600	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 500	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 400	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 300	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 200	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 100	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 0	17.1	27.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 17-45.51 STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	7.4	67.7	79.1	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
≥ 20000	7.4	79.1	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
18000	7.4	79.1	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
16000	7.4	79.1	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
14000	7.4	79.1	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
12000	7.4	79.1	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
10000	7.4	79.1	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
9000	7.4	79.1	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
8000	7.4	79.1	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
7000	7.4	79.1	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
6000	7.4	79.1	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
5000	7.4	79.1	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
4500	7.4	79.1	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
4000	7.4	79.1	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
3500	7.4	79.1	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	7.4	79.1	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
2500	7.4	79.1	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
2000	7.4	79.1	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
1800	7.4	79.1	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
1500	7.4	79.1	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
1200	7.4	79.1	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
1000	7.4	79.1	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
900	7.4	79.1	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
800	7.4	79.1	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
700	7.4	79.1	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
600	7.4	79.1	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
500	7.4	79.1	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
400	7.4	79.1	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
300	7.4	79.1	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
200	7.4	79.1	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
100	7.4	79.1	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
0	7.4	79.1	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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		4.7	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
≥ 20000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 18000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 16000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 14000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 12000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 10000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 9000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 8000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 7000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 6000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 5000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 4500		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 4000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 3500		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 3000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 2500		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 2000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 1800		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 1500		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 1200		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 1000		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 900		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 800		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 700		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 600		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 500		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 400		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 300		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 200		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 100		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
IV 0		1.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASV, FL

STATION NAME

1975

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (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	71.3	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	73.3
IV 20000	71.3	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	73.3
IV 18000	71.3	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	73.3
IV 16000	71.3	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	73.3
IV 14000	71.3	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	73.3
IV 12000	71.3	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	73.3
IV 10000	71.3	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	73.3
IV 9000	71.3	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	73.3
IV 8000	71.3	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	73.3
IV 7000	71.3	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	73.3
IV 6000	71.3	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	73.3
IV 5000	71.3	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	73.3
IV 4500	71.3	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	73.3
IV 4000	71.3	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	73.3
IV 3500	71.3	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	73.3
IV 3000	71.3	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	73.3
IV 2500	71.3	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	73.3
IV 2000	71.3	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	73.3
IV 1800	71.3	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	73.3
IV 1500	71.3	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	73.3
IV 1200	71.3	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	73.3
IV 1000	71.3	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	73.3
IV 900	71.3	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	73.3
IV 800	71.3	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	73.3
IV 700	71.3	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	73.3
IV 600	71.3	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	73.3
IV 500	71.3	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	73.3
IV 400	71.3	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	73.3
IV 300	71.3	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	73.3
IV 200	71.3	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	73.3
IV 100	71.3	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	73.3
IV 0	71.3	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	73.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 18000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 16000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 14000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 12000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 10000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 9000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 8000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 7000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 6000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 5000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 4500		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 4000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 3500		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 3000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 2500		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 2000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 1800		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 1500		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 1200		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 1000		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 900		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 800		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 700		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 600		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 500		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 400		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 300		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 200		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 100		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
WV 0		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0		1.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 20000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7
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																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4300																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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		77.4	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
≥ 20000		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
IV 18000		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	91.7	91.7
IV 16000		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	91.7	91.7
IV 14000		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	91.7	91.7
IV 12000		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	91.7	91.7
IV 10000		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	91.7	91.7
IV 9000		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	91.7	91.7
IV 8000		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	91.7	91.7
IV 7000		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	91.7	91.7
IV 6000		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	91.7	91.7
IV 5000		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	91.7	91.7
IV 4500		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	91.7	91.7
IV 4000		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	91.7	91.7
IV 3500		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	91.7	91.7
IV 3000		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	91.7	91.7
IV 2500		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	91.7	91.7
IV 2000		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	91.7	91.7
IV 1800		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	91.7	91.7
IV 1500		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	91.7	91.7
IV 1200		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	91.7	91.7
IV 1000		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	91.7	91.7
IV 900		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	91.7	91.7
IV 800		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	91.7	91.7
IV 700		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	91.7	91.7
IV 600		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	91.7	91.7
IV 500		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	91.7	91.7
IV 400		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	91.7	91.7
IV 300		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	91.7	91.7
IV 200		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	91.7	91.7
IV 100		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	91.7	91.7
IV 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	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

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	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS: 212

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: MONTH: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
≥ 20000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 18000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 16000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 14000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 12000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 10000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 9000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 8000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 7000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 6000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 5000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 4500		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 4000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 3500		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 3000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 2500		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 2000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 1800		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 1600		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 1400		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 1200		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 1000		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 900		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 800		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 700		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 600		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 500		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 400		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 300		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 200		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 100		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0
IV 0		1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0

TOTAL NUMBER OF OBSERVATIONS: 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: JUL
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 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		5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 20000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 18000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 16000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 14000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 12000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 10000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 9000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 8000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 7000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 6000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 5000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 4500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 4000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 3500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 3000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 2500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 2000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 900		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 700		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 600		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 400		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 300		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 100		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 0		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		4.7	55.5	15.5	45.1	15.1	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
IV 20000		4.7	41.2	15.2	15.2	5.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 18000		4.7	11.2	11.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 16000		4.7	11.2	15.2	15.2	5.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 14000		4.7	11.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
IV 12000		4.7	11.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
IV 10000		4.7	11.2	15.2	15.2	13.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 9000		4.7	11.2	15.2	15.2	14.5	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
IV 8000		4.7	11.1	16.1	16.1	16.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 7000		4.7	11.1	16.1	16.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 6000		4.7	11.1	16.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 5000		4.7	11.1	16.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 4500		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 4000		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 3500		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 3000		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 2500		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 2000		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 1800		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 1500		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 1200		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 1000		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 900		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 800		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 700		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 600		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 500		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 400		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 300		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 200		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 100		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
IV 0		4.7	11.1	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-5

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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 ≥ 20000		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
IVM 18000 16000		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
IVM 14000 12000		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
IVM 10000 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
IVM 8000 7000		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
IVM 6000 5000		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
IVM 4500 4000		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
IVM 3500 3000		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
IVM 2500 2000		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
IVM 1800 1500		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
IVM 1200 1000		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
IVM 900 800		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
IVM 700 600		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
IVM 500 400		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
IVM 300 200		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
IVM 100 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	71.3	71.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & 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		7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 20000		7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 18000		6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
IV 16000		5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
IV 14000		4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 12000		3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
IV 10000		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
IV 9000		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 7000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 6000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 5000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4500		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3500		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2500		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1800		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1500		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1200		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 900		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 800		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 700		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 600		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 500		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 400		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 300		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 200		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 100		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 0		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

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 ≥ 20000	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	72.6	72.6	72.6
IV 18000	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	72.6	72.6	72.6
IV 16000	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	72.6	72.6	72.6
IV 14000	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	72.6	72.6	72.6
IV 12000	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	72.6	72.6	72.6
IV 10000	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	72.6	72.6	72.6
IV 9000	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	72.6	72.6	72.6
IV 8000	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	72.6	72.6	72.6
IV 7000	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	72.6	72.6	72.6
IV 6000	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	72.6	72.6	72.6
IV 5000	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	72.6	72.6	72.6
IV 4500	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	72.6	72.6	72.6
IV 4000	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	72.6	72.6	72.6
IV 3500	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	72.6	72.6	72.6
IV 3000	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	72.6	72.6	72.6
IV 2500	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	72.6	72.6	72.6
IV 2000	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	72.6	72.6	72.6
IV 1800	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	72.6	72.6	72.6
IV 1500	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	72.6	72.6	72.6
IV 1200	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	72.6	72.6	72.6
IV 1000	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	72.6	72.6	72.6
IV 900	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	72.6	72.6	72.6
IV 800	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	72.6	72.6	72.6
IV 700	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	72.6	72.6	72.6
IV 600	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	72.6	72.6	72.6
IV 500	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	72.6	72.6	72.6
IV 400	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	72.6	72.6	72.6
IV 300	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	72.6	72.6	72.6
IV 200	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	72.6	72.6	72.6
IV 100	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	72.6	72.6	72.6
IV 0	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	72.6	72.6	72.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY 11 57 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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ 20000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
18000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
16000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
14000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
6000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
4500		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
4000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3500		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2500		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1800		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1500		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1200		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1000		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
900		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
800		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
700		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
600		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
500		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
400		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
300		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
200		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
100		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
0		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

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	≥ 1/8	≥ 0
NO CEILING		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ 20000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 18000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 16000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 14000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 12000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 10000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 9000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 8000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 7000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 6000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 5000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4500		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3500		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2500		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1800		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1500		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1200		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1000		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 900		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 800		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 700		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 600		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 500		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 400		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 300		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 200		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 100		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 0		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1951 MONTH 12
 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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 18000	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 14000	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 12000	7.4	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	87.4
IV 10000	7.4	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	87.4
IV 9000	7.4	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	87.4
IV 8000	7.4	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	87.4
IV 7000	7.4	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	87.4
IV 6000	7.4	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	87.4
IV 5000	7.4	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	87.4
IV 4500	7.4	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	87.4
IV 4000	7.4	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	87.4
IV 3500	7.4	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	87.4
IV 3000	7.4	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	87.4
IV 2500	7.4	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	87.4
IV 2000	7.4	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	87.4
IV 1800	7.4	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	87.4
IV 1500	7.4	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	87.4
IV 1200	7.4	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	87.4
IV 1000	7.4	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	87.4
IV 900	7.4	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	87.4
IV 800	7.4	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	87.4
IV 700	7.4	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	87.4
IV 600	7.4	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	87.4
IV 500	7.4	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	87.4
IV 400	7.4	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	87.4
IV 300	7.4	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	87.4
IV 200	7.4	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	87.4
IV 100	7.4	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	87.4
IV 0	7.4	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	87.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

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

TOTAL NUMBER OF OBSERVATIONS

2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 157, FL STATION NAME 157-01 YEARS 5 MONTH 01
 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 20000	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L E T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E 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																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 600																
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IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		4.7	7.7	14.7	20.7	4.7	14.7	4.7	14.7	54.7	54.7	14.7	54.7	54.7	54.7	54.7
≥ 20000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
18000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
16000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
14000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
12000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
10000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
9000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
8000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
7000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
6000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
5000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
3500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
3000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1600		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1400		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
900		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
700		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
600		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
400		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
300		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
100		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
0		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASH VILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
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200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 20000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 18000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 16000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 14000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 12000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 10000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 9000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 8000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 7000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 6000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 5000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 4500		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 4000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 3500		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 3000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 2500		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 2000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 1800		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 1500		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 1200		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 1000		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 900		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 800		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 700		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 600		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 500		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 400		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 300		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 200		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 100		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0
IV 0		71.5	74.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1957, 1958 MONTH: 007
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS (L & T): 0000-2359

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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	74.5	74.5	74.5
≥ 20000	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	74.5	74.5	74.5
IV 18000	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	74.5	74.5	74.5
IV 16000	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	74.5	74.5	74.5
IV 14000	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	74.5	74.5	74.5
IV 12000	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	74.5	74.5	74.5
IV 10000	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	74.5	74.5	74.5
IV 9000	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	74.5	74.5	74.5
IV 8000	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	74.5	74.5	74.5
IV 7000	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	74.5	74.5	74.5
IV 6000	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	74.5	74.5	74.5
IV 5000	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	74.5	74.5	74.5
IV 4500	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	74.5	74.5	74.5
IV 4000	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	74.5	74.5	74.5
IV 3500	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	74.5	74.5	74.5
IV 3000	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	74.5	74.5	74.5
IV 2500	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	74.5	74.5	74.5
IV 2000	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	74.5	74.5	74.5
IV 1800	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	74.5	74.5	74.5
IV 1500	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	74.5	74.5	74.5
IV 1200	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	74.5	74.5	74.5
IV 1000	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	74.5	74.5	74.5
IV 900	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	74.5	74.5	74.5
IV 800	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	74.5	74.5	74.5
IV 700	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	74.5	74.5	74.5
IV 600	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	74.5	74.5	74.5
IV 500	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	74.5	74.5	74.5
IV 400	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	74.5	74.5	74.5
IV 300	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	74.5	74.5	74.5
IV 200	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	74.5	74.5	74.5
IV 100	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	74.5	74.5	74.5
IV 0	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	74.5	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	66.1	70.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 18000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 16000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 14000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 12000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 10000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 9000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 7000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 6000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 5000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 4000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 3500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 3000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 2500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 2000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 1800	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 1500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 1200	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 1000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 900	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 800	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 700	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 600	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 400	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 300	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 200	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 100	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IN 0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-27

YEARS

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	≥ 3/16	≥ ¼	≥ 0
NO CEILING		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	67.1	67.1
≥ 20000		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
18000		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
16000		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
14000		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
12000		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
10000		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
9000		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
8000		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
7000		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
6000		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
5000		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
4500		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		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
3500		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
3000		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
2500		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
2000		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
1800		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
1500		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
1200		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
1000		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
900		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
800		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
700		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
600		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
500		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
400		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
300		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
200		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
100		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
0		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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1 STATION NAME S. F. YEARS MONTH 1 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		3.0	10.0	54.2	54.0	10.0	64.2	64.0	14.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000		4.0	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	71.0
IV 18000		4.0	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	71.0
IV 16000		4.0	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	71.0
IV 14000		4.0	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	71.0
IV 12000		4.0	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	71.0
IV 10000		4.0	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	71.0
IV 9000		4.0	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	71.0
IV 8000		4.0	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	71.0
IV 7000		4.0	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	71.0
IV 6000		4.0	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	71.0
IV 5000		4.0	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	71.0
IV 4500		4.0	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	71.0
IV 4000		4.0	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	71.0
IV 3500		4.0	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	71.0
IV 3000		4.0	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	71.0
IV 2500		4.0	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	71.0
IV 2000		4.0	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	71.0
IV 1800		4.0	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	71.0
IV 1500		4.0	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	71.0
IV 1200		4.0	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	71.0
IV 1000		4.0	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	71.0
IV 900		4.0	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	71.0
IV 800		4.0	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	71.0
IV 700		4.0	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	71.0
IV 600		4.0	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	71.0
IV 500		4.0	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	71.0
IV 400		4.0	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	71.0
IV 300		4.0	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	71.0
IV 200		4.0	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	71.0
IV 100		4.0	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	71.0
IV 0		4.0	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	71.0

TOTAL NUMBER OF OBSERVATIONS

17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (15 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	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	77.1
≥ 20000	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	77.1
IN 18000	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	77.1
IN 16000	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	77.1
IN 14000	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	77.1
IN 12000	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	77.1
IN 10000	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	77.1
IN 9000	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	77.1
IN 8000	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	77.1
IN 7000	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	77.1
IN 6000	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	77.1
IN 5000	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	77.1
IN 4500	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	77.1
IN 4000	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	77.1
IN 3500	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	77.1
IN 3000	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	77.1
IN 2500	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	77.1
IN 2000	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	77.1
IN 1800	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	77.1
IN 1500	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	77.1
IN 1200	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	77.1
IN 1000	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	77.1
IN 900	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	77.1
IN 800	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	77.1
IN 700	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	77.1
IN 600	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	77.1
IN 500	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	77.1
IN 400	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	77.1
IN 300	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	77.1
IN 200	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	77.1
IN 100	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	77.1
IN 0	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	77.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
≥ 20000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 18000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 16000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 14000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 12000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 10000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 9000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 8000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 7000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 6000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 5000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 4500		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 4000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 3500		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 3000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 2500		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 2000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 1800		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 1500		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 1200		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 1000		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 900		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 800		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 700		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 600		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 500		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 400		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 300		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 200		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 100		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
IV 0		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		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
IV 20000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 18000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 16000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 14000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 12000		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 10000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 9000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 8000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 7000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 6000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 5000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4500		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2500		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1800		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1500		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1200		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1000		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 900		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 800		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 700		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 600		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 500		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 400		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 300		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 200		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 100		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 0		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 20000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 14000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 12000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 4500		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 4000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1800		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1500		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1200		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1000		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 900		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 800		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 700		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 600		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 500		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 400		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 300		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 200		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 100		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 0		1.	71.7	73.2	73.2	73.7	73.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHFVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

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	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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																
IV 20000		77.7	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
IV 18000		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 16000		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 14000		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 12000		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 10000		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 9000		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 8000		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 7000		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 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
IV 5000		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 4500		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 4000		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 3500		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 3000		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 2500		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 2000		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 1800		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 1500		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 1200		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 1000		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 900		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 800		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 700		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 600		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 500		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 400		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 300		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 200		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 100		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 0		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0		7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, FL

STATION NAME

DATE 10-1-77

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.7	69.7	62.7	57.7	52.7	47.7	42.7	37.7	32.7	27.7	22.7	17.7	12.7	7.7	2.7	0.7
≥ 20000	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	75.7	75.7	75.7
IV 18000	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	75.7	75.7	75.7
IV 16000	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	75.7	75.7	75.7
IV 14000	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	75.7	75.7	75.7
IV 12000	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	75.7	75.7	75.7
IV 10000	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	75.7	75.7	75.7
IV 9000	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	75.7	75.7	75.7
IV 8000	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	75.7	75.7	75.7
IV 7000	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	75.7	75.7	75.7
IV 6000	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	75.7	75.7	75.7
IV 5000	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	75.7	75.7	75.7
IV 4500	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	75.7	75.7	75.7
IV 4000	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	75.7	75.7	75.7
IV 3500	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	75.7	75.7	75.7
IV 3000	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	75.7	75.7	75.7
IV 2500	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	75.7	75.7	75.7
IV 2000	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	75.7	75.7	75.7
IV 1800	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	75.7	75.7	75.7
IV 1500	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	75.7	75.7	75.7
IV 1200	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	75.7	75.7	75.7
IV 1000	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	75.7	75.7	75.7
IV 900	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	75.7	75.7	75.7
IV 800	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	75.7	75.7	75.7
IV 700	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	75.7	75.7	75.7
IV 600	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	75.7	75.7	75.7
IV 500	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	75.7	75.7	75.7
IV 400	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	75.7	75.7	75.7
IV 300	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	75.7	75.7	75.7
IV 200	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	75.7	75.7	75.7
IV 100	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	75.7	75.7	75.7
IV 0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7

TOTAL NUMBER OF OBSERVATIONS 10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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 20000	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 18000	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 16000	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 14000	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 12000	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 10000	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 9000	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 8000	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 7000	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 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	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 4500	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 4000	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 3500	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 3000	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 2500	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 2000	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 1800	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 1500	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 1200	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 1000	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 900	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 800	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 700	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 600	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 500	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 400	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 300	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 200	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 100	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 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FILE
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	57.1	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	67.4	67.4
≥ 20000	74.3	74.3	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 18000	4.2	74.9	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 16000	74.3	74.9	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 14000	74.4	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 12000	74.4	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 10000	74.4	77.9	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 9000	74.4	77.9	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 8000	74.4	77.9	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 7000	74.4	77.9	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 6000	74.4	77.9	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 5000	74.4	77.9	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 4500	74.4	77.9	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	74.4	77.9	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 3500	74.4	77.9	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	74.4	77.9	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 2500	74.4	77.9	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 2000	74.4	77.9	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 1800	74.4	77.9	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 1500	74.4	77.9	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 1200	74.4	77.9	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 1000	74.4	77.9	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 900	74.4	77.9	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 800	74.4	77.9	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 700	74.4	77.9	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 600	74.4	77.9	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 500	74.4	77.9	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 400	74.4	77.9	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 300	74.4	77.9	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 200	74.4	77.9	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 100	74.4	77.9	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 0	74.4	77.9	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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

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	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
≥ 20000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 18000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 16000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 14000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 12000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 10000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 9000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 8000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 7000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 6000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 5000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 4500	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 4000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 3500	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 3000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 2500	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 2000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 1800	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 1500	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 1200	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 1000	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 900	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 800	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 700	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 600	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 500	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 400	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 300	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 200	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 100	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9
IN 0	74.7	74.2	74.6	74.9	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.8	74.8	74.9	74.8	74.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 151, FI

70-7

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

70
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING		72.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 20000		72.4	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 18000		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 16000		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 14000		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 12000		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 10000		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 9000		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	74.5	74.5
IV 8000		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	74.5	74.5
IV 7000		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	74.5	74.5
IV 6000		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	74.5	74.5
IV 5000		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	74.5	74.5
IV 4500		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	74.5	74.5
IV 4000		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	74.5	74.5
IV 3500		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	74.5	74.5
IV 3000		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	74.5	74.5
IV 2500		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	74.5	74.5
IV 2000		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	74.5	74.5
IV 1800		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	74.5	74.5
IV 1500		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	74.5	74.5
IV 1200		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	74.5	74.5
IV 1000		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	74.5	74.5
IV 900		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	74.5	74.5
IV 800		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	74.5	74.5
IV 700		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	74.5	74.5
IV 600		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	74.5	74.5
IV 500		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	74.5	74.5
IV 400		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	74.5	74.5
IV 300		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	74.5	74.5
IV 200		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	74.5	74.5
IV 100		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	74.5	74.5
IV 0		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	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1

STATION

STATION NAME

YEARS

MONTH

DATE

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	57.0	57.7	57.1	57.3	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	57.0	57.7	57.1	57.3	56.1	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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

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	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 5000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1800		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1200		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 900		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 800		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 700		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 600		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 400		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 300		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 200		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 100		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 0		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
≥ 20000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 18000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 16000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 14000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 12000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 10000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 9000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 8000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 7000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 6000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 5000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 4500		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 4000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 3500		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 3000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 2500		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 2000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 1800		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 1500		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 1200		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 1000		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 900		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 800		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 700		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 600		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 500		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 400		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 300		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 200		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 100		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0
IV 0		7.0	1.0	14.0	44.0	5.0	14.0	54.0	54.0	64.0	64.0	14.0	14.0	14.0	14.0	14.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORPH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ROUTE 1157

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 7

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 5000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1800		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1200		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1000		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 900		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 800		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 700		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 600		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 500		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 400		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 300		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 200		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 100		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 0		71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

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	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

4

SKY COVER

STATION NAME

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
11	01	2.0			47.0						10.4	7.7	7.9	7.9
	02	2.0			43.0						10.1	12.3	4.2	7.9
	03	7.0			45.0						23.0	12.0	5.1	8.0
	04	11.0			41.6						11.2	14.0	5.4	8.0
	05	10.3			43.0						24.6	10.0	5.0	8.0
	06	5.0			44.0						10.1	16.5	5.7	8.0
	07	10.0			47.7						20.0	13.2	5.1	8.0
	08	25.0			41.5						10.7	10.6	4.1	8.0
	09													
	10													
	11													
	12													
TOTALS		1.0			47.0						23.7	13.7	4.9	2474

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
5	1	34.7			37.7						14.8	14.7	4.2	200
	14	21.4			21.1						25.8	15.5	4.5	200
	1	11.7			10.0						29.4	16.7	5.6	200
	1	17.7			25.1						24.5	17.6	5.3	199
	11	12.7			40.7						23.8	16.3	5.1	202
	1	12.7			31.1						14.8	20.6	5.9	200
	1	11.5			41.1						11.8	19.9	4.9	200
	27	35.1			33.7						15.2	15.2	5.9	212
TOTALS		21.7			37.6						21.3	17.5	4.0	2256

79-97

3.

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
01	01	22.7			44.7						20.0	6.3	3.9	10
	02	12.7			54.0						19.3	9.3	4.1	30
	03	6.7			31.7						20.3	9.7	4.0	30
	04	1.7			15.7						25.7	9.3	4.9	0
	05	.			51.7						23.7	9.0	4.4	10
	06	11.7			54.7						11.3	11.7	4.7	10
	07	17.7			5.7						25.7	10.7	4.9	10
	08	27.7			51.7						17.7	7.7	3.7	10
TOTALS		11.0			51.0						22.0	9.0	4.5	240

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SKY COVER

STATION NAME KEY WEST, FL

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	1	17.1			51.6						17.1	14.2	4.8	310
	2				57.4						21.6	11.6	4.9	310
	3	1.			51.7						35.4	11.3	5.6	310
	4	7.			51.6						31.6	13.9	5.8	310
	5	3.1			47.7						31.6	15.2	5.9	310
	6	4.5			50.3						28.1	15.2	5.6	310
	7	4.7			44.7						23.7	16.5	5.9	310
	8	17.4			51.6						17.4	13.6	4.5	310
TOTALS		7.6			51.0						27.3	14.1	5.4	2480

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

SKY COVER

1 - "AFS", FL

- 7 -

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STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	1	4.2			50.0						25.4	8.4	5.2	31
	2	3.5			45.2						22.6	8.4	4.9	31
	3				47.4						41.7	11.3	6.3	31
	4				44.2						43.1	11.6	6.5	31
	5				3.5						42.6	13.6	6.6	31
	6	.1			17.4						47.4	14.6	6.0	31
	7				21.7						45.1	22.3	7.4	31
	8	7.2			55.5						29.4	11.0	5.5	31
	9													
	10													
	11													
	12													
TOTALS		1.0			47.7						35.0	12.8	5.2	244

SKY COVER

STATION

15. 75, 51

STATION NAME

7-27

PERIOD

MONTANA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

SKY COVER

— 10 —

STATION

STATION NAME

PERIOD

MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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1

4

SKY COVER

STATION

HAWAII, FL

STATION NAME

72-00

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		
	00	1.1			2.7						14.8	14.8	4.6	10
	01	1.1			5.1						21.8	17.2	4.9	10
	02	1.1			1.1						33.8	12.1	5.8	10
	03	1.1			1.1						32.8	11.1	5.6	10
	04	1.1			1.1						32.8	14.2	5.7	10
	05	1.1			4.1						34.8	17.8	5.8	10
	06	1.1			4.1						34.8	14.8	5.7	10
	07	1.1			5.6						22.8	12.9	4.8	10
	08													
	09													
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	99													
	100													
	TOTALS	4.7			4.7						22.9	12.4	5.4	24

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4

SKY COVER

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	1	20			40						10	10	0	1
	2	20			40						10	10	0	1
	3	0			40						0	0	0	1
	4	0			40						0	10	0	1
	5	0			40						0	10	0	1
	6	0			40						0	10	0	1
	7	0			40						0	10	0	1
	8	10			40						0	0	0	1
	9	20			40						10	10	0.5	1

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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KEY WEST FLORIDA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

44

UNCLASSIFIED

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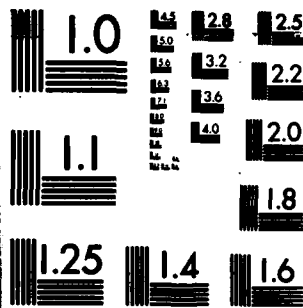
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

77-021

DEC

STATION

STATION NAME

PERIOD

MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	25.0			38.4						15.0	15.0	4.4	210
	02	25.0			37.7						23.7	12.6	5.5	210
	07	6.5			45.7						37.6	14.2	5.6	210
	10	7.4			43.2						36.1	13.2	5.9	210
	13	5.4			45.5						30.6	15.2	5.6	210
	14	9.0			45.5						29.0	16.1	5.6	210
	15	13.0			44.7						23.6	18.1	5.3	209
	16	23.7			40.5						21.0	15.2	4.6	209
TOTALS		15.1			43.1						26.7	15.1	5.2	2478

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SKY COVER

1976 KEY WEST, FL

73-01

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	16.6			46.7						23.7	13.7	4.9	2474
FEB		27.3			37.9						21.3	17.5	4.8	2251
MAR		15.1			51.6						19.7	10.9	4.8	2431
APR		17.2			51.9						22.9	9.0	4.5	2470
MAY		7.6			51.6						27.3	14.1	5.4	2451
JUN		3.0			51.6						29.1	15.7	5.8	2470
JUL		1.4			47.7						35.7	12.8	6.2	2407
AUG		1.2			41.4						43.1	14.3	6.6	2497
SEP		.7			43.4						41.7	14.8	6.5	2470
OCT		1.5			49.7						28.4	13.4	5.4	2437
NOV		14.5			44.2						23.5	17.8	5.2	2470
DEC		15.1			43.1						26.7	15.1	5.2	2478
TOTALS		17.4			46.6						28.7	14.1	5.4	29278

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

4

DAILY TEMPERATURES

STATION 1 STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
60						.1	.1						.2
61				.1	2.1	13.9	28.4	34.9	16.3	.6			.7
62		.1	.4	4.2	17.5	48.5	85.5	98.1	97.4	91.7	49.1	7.9	42.2
63		11.4	24.3	48.3	76.3	96.0	99.1	100.0	100.0	99.9	88.5	53.6	7.1
64		57.6	58.2	79.2	96.8	99.9	100.0		100.0	98.9	84.7	59.2	86.7
65		76.6	79.6	91.7	99.6	100.0				100.0	95.3	81.4	97.8
66		86.5	91.1	97.9	100.0						99.3	94.9	97.7
67		97.2	98.3	99.9							100.0	99.1	99.6
68		99.7	100.0	100.0								100.0	100.0
69	100.0												100.0
70													
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MEAN	71.7	74.4	76.6	81.6	84.3	86.9	88.5	88.7	87.8	83.8	79.0	75.1	81.8
S.D.	4.1	6.058	5.167	3.396	2.742	2.553	1.833	1.815	2.119	3.345	4.480	5.897	6.744
TOTAL OBS.	819	819	819	839	899	970	914	930	900	929	900	930	10728

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DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

IN °F

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2				1.2	0.8	4.3	63.3	57.5	38.6	8.	0.1		1.2
3	1.0	5.0	14.0	35.8	66.5	91.6	98.6	92.9	89.	62.4	19.2	5.	4.7
4	21.2	7.2	49.5	83.3	97.2	99.7	100.0	99.9	99.4	96.2	45.2	31.3	73.
5	51.9	52.9	77.2	98.1	100.	100.0		100.0	100.0	99.8	88.3	62.7	86.1
6	70.6	78.8	92.5	99.9						100.0	97.2	94.0	94.2
7	81.4	93.7	98.7	100.0							99.7	95.5	98.2
8	88.1	99.5	99.8								100.0	99.1	99.7
9	99.9	100.0	100.0									100.0	100.0
10	100.0												100.0
11													
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MEAN	60.2	64.9	67.4	72.6	75.8	78.4	79.7	79.3	77.2	75.4	70.4	65.7	72.8
S. D.	8.40	6.35	5.665	5.001	5.000	2.685	2.627	2.772	2.657	3.155	4.814	6.174	7.119
TOTAL OBS.	89	19	89	19	89	7	91	930	900	929	940	93	1728

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DAILY TEMPERATURES

STATION 1 STATION NAME EST. FL. 52-10 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2				.1	3.	24.3	53.6	74.2	79.8	2.2			1.1
3		.7	9.	21.6	46.	92.4	98.9	97.8	92.9	57.9	12.	2.5	47.
4	2.0	26.0	50.6	63.4	97.3	99.8	100.0	100.0	100.0	94.6	62.1	31.5	72.
5	15.9	57.3	81.0	88.8	100.0	100.0				99.7	88.4	61.4	97.
6	77.	80.7	92.4	99.9						100.0	96.9	84.3	94.3
7	91.3	93.7	98.9	100.0							99.6	95.7	9.3
8	94.2	99.5	99.9								100.0	99.5	99.6
9	99.9	100.0	100.0									100.0	100.0
10	100.0												100.0
11													
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100													
MEAN	5.5	5.9	7.5	7.8	8.3	8.9	8.3	8.3	8.1	7.9	7.5	7.8	7.6
S.D.	1.201	1.988	1.186	1.221	2.500	2.295	1.823	1.958	2.152	3.723	4.450	5.808	6.205
TOTAL OBS.	899	819	899	839	899	870	914	930	900	929	900	930	10728

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

10000

KEY WEST, FL

1946-1947 1954-1983

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	71.2	21.9	76.0	24.4	84	28.9	1982	67.0	19.4	52	11.6	1981
2	70.2	21.2	75.0	23.9	82	27.8	1974*	65.4	18.6	55	12.8	1964
3	69.9	21.1	74.6	23.7	85	29.4	1972	65.3	18.5	54	12.2	1961
4	69.5	21.0	74.4	23.6	82	27.8	1973*	65.3	18.5	54	12.2	1961
5	69.9	21.1	74.4	23.6	84	28.9	1972	65.4	18.6	51	10.0	1967
6	70.2	21.4	75.4	24.1	84	28.9	1972	65.7	18.7	52	11.1	1967
7	70.0	21.6	75.8	24.3	82	27.8	1960	66.0	18.9	55	12.8	1961
8	70.8	21.1	74.7	23.7	81	27.2	1962*	65.4	18.6	49	9.4	1977
9	69.5	20.8	74.3	23.5	84	28.9	1969	64.7	18.2	49	8.9	1977
10	69.0	20.6	73.5	23.1	82	27.8	1972	64.6	18.1	45	7.2	1977
11	68.7	20.4	73.4	23.0	82	27.8	1972*	64.1	17.8	46	7.8	1977
12	68.8	20.4	73.4	23.0	84	28.9	1947	64.2	17.9	47	8.3	1961
13	65.7	20.4	73.4	23.0	82	27.8	1972*	64.0	17.8	43	6.1	1961
14	68.8	20.4	73.9	23.3	83	28.3	1947	63.8	17.7	44	8.9	1961
15	69.0	20.6	74.3	23.5	82	27.8	1977	63.7	17.6	47	8.3	1954
16	68.7	20.2	73.3	22.9	81	27.2	1947	63.3	17.4	42	11.1	1978
17	67.3	19.6	71.9	22.2	80	26.7	1974*	62.7	17.1	52	11.1	1961
18	67.1	19.5	71.8	22.1	83	28.3	1980	62.4	16.9	47	8.3	1961
19	67.6	19.8	73.2	22.9	91	27.2	1947	62.1	16.7	46	7.8	1977
20	68.7	20.4	73.9	23.3	82	27.8	1947	63.5	17.5	46	7.8	1977
21	68.0	20.6	74.0	23.3	82	27.8	1974	64.0	17.8	44	8.9	1971
22	68.8	20.4	73.1	22.8	82	27.8	1946	64.4	18.0	51	10.6	1977
23	69.7	20.9	74.6	23.7	83	28.3	1973	64.6	18.2	52	11.1	1977
24	69.6	20.9	74.6	23.7	82	27.8	1972	64.6	18.1	50	10.0	1960
25	69.7	20.9	74.6	23.7	82	27.8	1974*	64.7	18.2	54	12.2	1961
26	70.0	21.1	74.9	23.8	93	28.3	1975	65.1	18.4	52	11.1	1977
27	70.5	21.4	75.5	24.2	82	27.8	1975*	65.4	18.6	53	11.7	1977
28	68.8	20.4	73.4	23.0	82	27.8	1975*	64.1	17.8	53	11.7	1966
29	68.5	20.3	73.1	22.8	82	27.8	1975	64.0	17.8	53	11.7	1978
30	68.5	20.3	73.4	23.0	83	28.3	1975	63.6	17.6	49	9.4	1966
31	67.6	20.9	74.9	23.8	93	28.3	1946	64.3	17.9	46	7.8	1966
Monthly	69.3	20.7	74.1	23.4	85	29.4	1972	64.4	18.0	43	6.1	1961

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17 50 KEY WEST, FL 1946-1947 1954-1983 FEBRUARY
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	70.2	21.2	75.2	24.0	82	27.8	1975*		65.3	18.5	54	12.2	1983*	
2	70.4	21.3	74.9	23.3	82	27.8	1975*		65.9	18.8	51	10.0	1983*	
3	70.2	21.1	74.9	23.6	82	27.8	1972		65.1	15.4	52	11.1	1981	
4	68.1	20.2	72.7	22.6	82	27.8	1975		64.1	17.8	49	9.4	197	
5	66.6	20.3	73.4	23.0	84	26.9	1988		63.8	17.7	50	10.0	1983*	
6	64.5	21.0	74.8	23.2	83	28.3	1959		64.9	18.3	50	10.0	1966	
7	70.2	21.2	74.7	23.7	81	27.2	1979*		65.6	18.7	52	11.1	1978	
8	68.0	20.6	74.0	23.3	83	28.3	1974		64.0	17.8	52	11.1	1983*	
9	67.4	19.9	72.7	22.6	82	27.8	1982		63.2	17.3	53	11.7	1958	
10	67.7	19.8	72.2	22.3	84	28.9	1982		63.2	17.3	52	11.1	1979	
11	67.1	20.1	73.1	22.8	81	27.2	1975*		63.5	17.2	51	10.6	1973*	
12	68.6	20.3	73.2	22.9	83	28.3	1975		63.9	17.7	50	10.0	1973	
13	67.1	20.6	73.9	23.3	82	27.4	1975*		64.4	18.0	48	8.9	1965	
14	65.0	20.0	74.0	23.3	82	27.8	1965		64.1	17.8	45	7.2	1958	
15	70.2	21.2	75.2	24.0	82	27.8	1982*		65.2	18.4	58	13.3	1967	
16	71.3	21.8	76.2	24.6	83	28.3	1982*		66.4	19.1	55	12.8	1958	
17	70.6	21.4	75.3	24.1	83	28.3	1975*		65.8	18.8	53	11.7	1977	
18	70.8	21.6	75.9	24.4	83	28.3	1975*		65.7	18.7	52	11.1	1977	
19	70.3	21.3	74.9	23.8	84	28.9	1975		65.7	18.7	52	11.1	1969*	
20	69.5	20.8	73.6	23.1	83	28.3	1975		65.4	18.6	49	9.4	1965	
21	69.6	20.9	74.2	23.4	85	30.0	1967		65.2	18.3	51	10.6	1955	
22	70.4	21.3	74.9	23.8	84	28.9	1975		65.8	18.8	51	10.6	1976	
23	70.4	21.3	75.4	24.1	85	29.4	1968		65.5	18.6	51	10.0	1979	
24	70.6	21.4	75.1	23.7	83	28.3	1975*		66.2	19.0	52	11.1	1964	
25	69.6	20.9	74.1	23.4	81	27.2	1979*		65.1	18.4	54	12.2	1967	
26	69.1	20.6	73.8	23.2	82	27.8	1959*		64.2	17.9	50	10.0	1967	
27	69.9	21.1	74.8	23.8	83	28.3	1977		64.9	18.3	51	10.6	1974	
28	71.3	21.8	76.7	24.8	82	27.8	1982*		65.0	18.8	56	13.3	1966	
29	70.4	21.3	76.7	24.8	81	27.2	1976*		64.0	17.8	56	13.3	1964	
30														
31														
Monthly	69.7	20.9	74.4	23.4	86	30.0	1967		64.9	18.3	45	7.2	1953	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1977 MAY WEST, FL

1978-1987 1954-1983

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	° F	° C	° F	° C	° F	° C		° F	° C	° F	° C			
1	71.7	22.1	76.5	24.7	87	27.3	1976*	66.9	19.4	52	11.1	1967		
2	71.4	21.9	76.0	24.4	82	27.8	1965	66.6	19.3	51	10.6	1965		
3	71.6	22.0	77.0	25.0	82	27.8	1954	66.2	19.0	48	9.4	1957		
4	72.2	22.3	76.9	24.9	83	28.7	1967	67.4	19.7	47	8.3	1967		
5	72.5	22.5	76.9	24.9	84	28.9	1972	68.0	20.0	42	11.1	1967		
6	72.8	22.7	77.7	25.4	84	28.9	1977*	68.1	20.1	56	13.3	1968		
7	72.9	22.2	76.2	24.6	84	28.9	1977	67.8	19.9	57	13.9	1967		
8	73.1	22.3	76.8	24.9	88	31.1	1967	67.5	19.7	57	13.9	1974		
9	71.4	21.9	76.7	24.6	85	29.4	1967*	68.6	19.2	56	13.3	1971		
10	72.1	22.3	77.0	25.0	84	28.9	1976*	67.1	19.5	55	12.8	1968		
11	72.8	22.7	77.8	25.4	86	30.0	1968	67.8	19.9	54	13.3	1969		
12	73.8	23.2	78.9	26.1	87	30.6	1968	68.7	20.4	56	13.3	1969		
13	73.9	23.2	78.5	25.8	84	28.9	1977*	69.7	20.6	52	11.1	1969		
14	74.3	23.4	79.1	26.2	86	30.6	1977	69.2	20.7	52	11.1	1967		
15	74.9	23.6	79.3	26.3	85	29.4	1975*	70.5	21.4	57	13.9	197		
16	74.6	23.7	79.2	26.2	85	29.4	1946	69.9	21.1	56	13.3	197		
17	73.4	23.0	78.2	25.7	87	30.6	1975	68.6	20.3	54	14.4	1978*		
18	73.8	22.7	77.6	25.3	86	30.0	1965	68.0	20.0	57	13.9	1978*		
19	72.7	23.2	78.4	25.8	85	29.4	1965	69.3	20.6	60	15.6	196		
20	73.4	23.0	78.3	25.7	86	30.0	1965	68.5	20.3	59	15.0	1967		
21	72.6	22.6	77.5	25.3	85	29.4	1977	67.7	19.8	55	12.8	1955		
22	72.4	22.4	77.1	25.1	87	30.6	1977	67.6	19.8	57	13.9	1967*		
23	72.6	22.6	77.4	25.2	84	28.9	1982*	67.8	19.9	60	15.6	1978*		
24	73.8	23.2	78.5	25.8	85	29.4	1975*	69.7	20.5	54	12.2	1965		
25	74.3	23.5	79.0	26.1	86	30.0	1975	69.5	20.8	54	13.3	1968		
26	73.7	23.3	78.7	25.9	86	30.0	1965	69.1	20.6	52	11.1	1969		
27	73.7	23.2	78.5	25.8	86	30.0	1965	68.9	20.5	52	11.1	1969		
28	74.3	23.5	79.1	26.2	86	30.0	1965	69.5	20.8	59	15.3	1976		
29	74.8	23.8	79.1	26.2	86	30.0	1974*	70.6	21.8	6	15.6	1958		
30	75.9	24.4	80.4	26.9	86	30.0	1975*	71.4	21.9	52	14.4	1955		
31	76.0	24.4	80.4	26.9	88	31.1	1975*	71.6	22.0	61	16.1	1971		
Monthly	72.3	22.9	78.0	25.6	88	31.1	1975*	68.5	20.3	47	8.3	1987		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1950

KEY WEST, FL

1945-1947

1954-1987

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	75.0	24.4	80.2	26.8	86	30.0	1954	71.7	22.1	64	17.8	1983
2	76.3	24.6	80.5	26.9	87	30.6	1973	72.1	22.3	64	17.8	1985
3	76.7	24.8	81.2	27.3	88	31.1	1975	72.1	22.3	65	18.3	1972
4	77.3	25.0	81.4	27.4	88	31.1	1973	72.6	22.5	66	18.9	1982
5	76.9	24.9	81.3	27.4	87	30.6	1977	72.6	22.6	64	17.8	1981
6	76.7	24.6	81.6	27.7	86	30.7	1969	72.0	22.2	64	17.8	1976
7	76.3	24.6	81.9	27.2	87	30.6	1969	71.6	22.0	62	16.7	1971
8	76.4	24.7	81.2	27.3	86	30.7	1969	71.6	22.0	61	14.4	1971
9	77.2	25.1	82.0	27.8	87	30.6	1965	72.4	22.4	64	17.8	1971
10	76.6	24.8	81.2	27.3	88	31.1	1982	72.7	22.2	66	18.9	1974
11	76.6	24.8	81.2	27.3	88	31.1	1965	71.9	22.2	63	17.2	196
12	77.1	25.1	81.5	27.5	88	31.1	1965	72.6	22.6	65	18.3	1983
13	77.3	25.2	81.5	27.5	87	30.6	1965	73.0	22.8	64	17.8	1986
14	76.6	24.9	81.8	27.2	89	31.7	1965	72.7	22.6	62	16.7	1989
15	77.1	25.1	81.5	27.5	87	30.6	1975	72.7	22.6	62	16.7	1989
16	76.4	24.9	81.4	27.4	89	31.7	1965	72.3	22.4	65	18.3	1983
17	76.4	24.7	81.7	27.1	87	30.6	1969	72.1	22.3	63	17.2	1982
18	76.7	24.8	81.1	27.3	89	31.1	1965	72.2	22.3	63	17.2	1983
19	77.4	25.2	81.8	27.7	89	31.7	1969	73.7	22.8	65	20.0	1983
20	77.6	25.3	81.8	27.7	89	31.7	1979	73.5	23.1	66	18.9	1983
21	78.1	25.6	82.3	27.7	87	30.6	1965	73.6	23.1	66	20.0	1983
22	78.1	25.6	82.5	28.1	87	30.6	1965	73.7	23.2	65	20.0	1983
23	78.1	25.6	82.5	28.1	86	30.0	1982	73.7	23.2	69	20.7	1973
24	78.1	25.6	82.1	27.8	88	31.1	1985	73.9	23.3	70	21.1	1983
25	78.4	25.8	82.9	28.3	88	31.1	1968	73.9	23.3	68	20.0	1983
26	78.5	25.8	83.0	28.3	87	30.6	1968	74.1	23.4	63	17.2	1983
27	78.5	25.8	83.0	28.3	89	31.7	1965	74.1	23.4	67	19.4	1978
28	78.7	25.7	82.7	28.2	90	32.2	1965	73.9	23.3	66	18.9	1978
29	78.4	25.8	82.8	28.2	88	31.1	1971	74.0	23.3	66	18.9	1973
30	78.3	25.7	82.9	28.3	87	30.6	1947	73.6	23.1	67	19.4	1979
31												
Monthly	77.3	25.2	81.7	27.6	90	32.2	1965	72.8	22.7	58	14.4	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

11 50

STATION

STATION NAME

1940-1 47 1954-1969

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	74.4	23.5	82.7	28.2	86	30.0	1975		74.1	23.4	66	19.0
2	74.4	23.5	82.7	28.2	87	30.6	1947		73.9	23.3	65	18.9
3	74.4	23.5	82.9	28.3	87	30.6	1954		74.5	23.6	71	21.7
4	74.4	23.5	83.0	28.3	87	30.6	1954		73.9	23.3	71	21.1
5	74.4	23.5	82.7	28.2	88	31.1	1978		73.7	23.2	68	19.9
6	74.7	23.7	82.9	28.3	88	31.1	1975		74.5	23.6	66	19.0
7	74.9	23.8	83.1	28.4	90	32.2	1967		74.7	23.7	66	19.0
8	74.8	23.7	83.2	28.4	88	31.1	1975		74.3	23.5	67	19.4
9	74.8	23.7	83.2	28.4	88	31.7	1973		74.4	23.6	66	19.0
10	74.1	23.2	83.6	28.7	91	32.0	1967		74.7	23.7	68	20.0
11	74.8	23.6	84.3	29.1	88	31.1	1975		75.7	24.1	69	20.6
12	74.9	23.6	84.1	28.9	88	31.7	1975		75.7	24.3	71	21.1
13	74.0	23.7	84.0	28.9	92	33.3	1967		75.9	24.4	69	20.6
14	74.0	23.7	84.4	29.1	89	31.7	1969		75.7	24.3	68	20.0
15	74.7	23.5	84.2	29.0	91	32.4	1969		75.1	23.9	71	21.1
16	74.1	23.7	84.6	29.2	90	32.2	1969		75.5	24.2	70	21.1
17	74.0	23.7	84.8	29.3	89	31.7	1975		76.4	24.7	72	22.2
18	74.0	23.7	84.8	29.3	90	32.2	1975		76.7	24.6	71	21.7
19	74.0	23.7	84.5	29.2	88	31.1	1976		76.5	24.7	70	22.2
20	74.0	23.7	84.8	29.3	89	31.7	1975		76.0	24.4	70	21.1
21	74.4	23.7	85.1	29.5	91	32.0	1975		76.5	24.7	70	22.2
22	74.0	23.7	85.2	29.6	91	32.0	1969		76.7	24.8	72	22.2
23	74.0	23.7	84.9	29.4	91	32.0	1969		77.0	25.0	71	21.7
24	74.0	23.7	85.4	29.7	90	32.2	1969		77.1	25.1	74	23.3
25	74.0	23.7	85.2	29.6	90	32.2	1969		77.5	25.3	72	22.2
26	74.0	23.7	85.2	29.6	91	32.0	1969		76.6	24.8	73	22.2
27	74.0	23.7	85.3	29.6	92	33.3	1969		76.8	24.9	71	21.7
28	74.0	23.7	85.6	29.8	91	32.0	1969		76.5	24.7	70	21.1
29	74.0	23.7	85.9	29.9	91	32.0	1969		76.6	24.8	66	19.0
30	74.0	23.7	85.9	29.9	91	33.0	1969		77.1	25.1	70	21.1
31	74.0	23.7	85.9	29.9	92	33.3	1969		76.9	24.9	71	21.7
Monthly	74.0	23.7	84.3	29.1	93	33.9	1969		75.7	24.3	66	19.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
1STATION NAME
100 WEST, FLYEARS
1945-1947 1954-1967MONTH
JULY

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	71.2	27.3	85.4	29.7	93	33.9	1969		77.0	25.0	70	21.1	1969	
2	71.2	27.3	85.4	29.7	93	33.9	1969		77.1	25.1	70	21.1	1969	
3	71.1	27.6	85.7	29.8	93	33.9	1969		77.5	25.3	70	22.2	1969	
4	71.0	27.6	86.2	30.1	92	33.3	1969		77.7	25.2	69	20.6	1976	
5	71.0	27.7	86.3	30.2	92	33.3	1969		77.5	25.3	73	22.8	1977*	
6	71.1	27.8	86.2	30.1	90	32.2	1975*		77.9	25.5	73	22.8	1975	
7	71.1	27.8	86.3	30.2	90	32.2	1975		77.8	25.4	69	20.0	1966	
8	72.3	27.9	86.6	30.3	91	32.7	1975*		78.1	25.6	73	22.8	1975*	
9	72.7	28.1	86.9	30.4	91	32.7	1969		78.3	25.7	71	21.7	1965	
10	72.2	27.9	86.5	30.3	92	33.3	1969		78.0	25.6	71	21.7	1956	
11	71.1	27.8	86.6	30.3	92	33.3	1969*		77.6	25.3	71	21.7	1971	
12	72.2	27.9	86.7	30.4	91	32.7	1978*		77.7	25.4	72	22.2	1958	
13	72.3	27.9	86.5	30.3	91	32.7	1975		78.1	25.6	74	23.3	1962	
14	72.5	28.1	86.7	30.4	91	32.7	1975		78.2	25.7	73	22.8	1979*	
15	72.3	27.4	86.5	30.3	91	32.7	1974		78.2	25.7	72	22.2	1972	
16	72.2	27.8	86.3	30.2	90	32.2	1969*		78.1	25.6	69	20.6	1955	
17	72.0	28.2	86.9	30.5	93	33.9	1969		78.7	25.9	75	23.9	1968	
18	72.8	28.1	86.8	30.4	93	33.9	1969		78.4	25.8	70	21.1	1955	
19	72.9	28.3	86.9	30.5	92	33.3	1969		78.9	26.1	75	23.9	1962	
20	73.1	28.4	87.4	30.8	94	34.4	1969		78.6	26.0	74	23.3	1964	
21	72.9	28.3	87.1	30.6	93	33.9	1969		78.8	26.0	73	22.8	1975	
22	73.3	28.5	87.8	31.7	94	34.4	1969		78.8	26.0	74	23.3	1976	
23	73.4	28.7	87.6	30.7	93	33.9	1967		79.7	26.5	72	22.2	1976	
24	73.7	28.7	87.7	30.9	94	34.4	1969		79.6	26.4	73	22.8	1976	
25	73.4	28.5	88.1	31.2	95	35.0	1969		78.8	26.0	70	21.1	1981	
26	73.8	28.8	88.4	31.3	94	34.4	1969		79.3	26.3	71	21.7	1976	
27	73.9	28.8	88.1	31.2	92	33.3	1969		79.7	26.5	71	21.7	1968	
28	74.1	28.9	88.4	31.3	94	34.4	1969		79.6	26.4	74	23.3	1968	
29	74.2	29.7	88.3	31.3	93	33.9	1969		80.2	26.8	75	23.9	1968	
30	73.8	28.8	88.2	31.2	91	32.9	1975*		79.5	26.4	74	23.3	1965	
31														
Monthly	72.7	28.2	86.9	30.5	95	35.0	1969		78.4	25.8	69	20.0	1966	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12-50

KEY WEST, FL

1947-1947 1953-1983

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	3.7	28.7	28.0	31.1	95	35.0	1969		79.5	26.4	73	22.8
2	3.6	28.7	28.0	31.1	91	32.4	1977		79.2	26.2	74	23.3
3	4.2	29.0	28.5	31.4	92	33.3	1982		79.9	26.6	74	23.3
4	4.1	28.9	28.4	31.3	92	33.7	1953		79.9	26.6	73	22.8
5	4.3	29.1	28.5	31.4	91	32.8	1975*		80.0	26.7	75	23.9
6	4.0	28.9	28.5	31.4	92	33.3	1969		79.4	26.3	75	23.9
7	4.2	29.0	28.7	31.5	94	34.4	1975		79.8	26.6	75	23.9
8	4.3	29.1	28.4	31.3	93	33.9	1953		80.3	26.8	74	23.3
9	4.1	28.9	28.3	31.3	91	32.8	1977*		79.9	26.6	73	22.8
10	3.9	28.8	28.3	31.3	91	32.8	1977*		79.3	26.3	72	22.2
11	4.0	28.9	28.6	31.4	92	33.3	1969		79.5	26.4	72	22.2
12	4.3	29.1	28.8	31.4	93	33.9	1969*		79.7	26.5	72	22.2
13	4.1	28.9	28.6	31.4	94	34.4	1968		79.5	26.4	73	22.8
14	4.2	29.0	28.8	31.6	92	33.3	1969		79.6	26.4	72	22.2
15	4.3	29.1	28.8	31.6	92	33.3	1969		79.7	26.5	72	22.2
16	4.1	28.9	28.4	31.3	92	33.3	1969*		79.8	26.6	74	23.3
17	3.6	28.7	28.5	31.4	91	32.8	1976*		78.7	25.9	73	22.8
18	4.0	28.9	28.6	31.4	92	33.3	1962*		79.4	26.3	73	22.8
19	4.3	29.1	28.5	31.4	91	32.8	1983*		80.1	26.7	74	23.3
20	4.0	28.9	28.5	31.4	93	33.9	1968		79.6	26.4	72	22.2
21	3.7	28.7	28.4	31.3	92	33.3	1969*		79.0	26.1	72	22.2
22	3.8	28.8	28.4	31.3	91	32.9	1983*		79.1	26.2	72	22.2
23	3.9	28.8	28.3	31.3	93	33.9	1969		79.4	26.3	73	22.8
24	3.8	28.8	28.8	31.6	92	33.3	1983*		78.7	25.9	70	21.1
25	4.7	29.3	28.8	31.6	92	33.3	1945		80.5	26.9	74	23.3
26	4.4	29.1	28.7	31.5	91	32.8	1969*		80.1	26.7	74	23.3
27	4.4	29.1	28.5	31.4	93	33.9	1953		80.3	26.8	75	23.9
28	4.6	29.2	28.7	31.5	91	32.8	1980*		80.5	26.9	76	24.4
29	4.0	28.9	28.6	31.4	92	33.3	1969		79.4	26.3	73	22.8
30	4.1	28.9	28.5	31.4	91	32.8	1976*		79.7	26.5	74	23.3
31	3.7	28.7	28.0	31.1	91	32.8	1980*		79.3	26.3	70	21.1
Monthly	4.1	28.9	28.5	31.4	95	35.0	1969		79.6	26.4	70	21.1

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

10 50 WY WEST. FL

1945-1947 1953-1983

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	46.3	28.9	86.7	31.5	93	33.9	1980		79.4	26.3	71	21.7	1971	
2	46.3	29.1	86.8	31.6	92	33.3	1975		79.7	26.5	72	22.2	1975	
3	46.5	29.2	86.1	31.7	92	33.3	1980		80.0	26.7	71	23.9	1974	
4	46.2	29.0	86.9	31.6	93	33.0	1953		79.4	26.3	72	22.2	1965	
5	46.4	28.8	86.6	31.4	91	32.5	1980		79.1	26.2	71	21.7	1971	
6	46.4	29.1	86.0	31.7	92	33.3	1980		79.8	26.6	74	23.3	1960	
7	46.2	29.0	86.0	31.7	92	33.3	1975		79.4	26.3	70	21.1	1980	
8	46.2	29.0	86.8	31.6	92	33.3	1969		79.7	26.5	72	22.2	1977	
9	46.3	29.1	87.2	31.9	92	33.3	1971		79.4	26.3	69	20.6	1967	
10	46.7	28.7	86.7	31.5	93	33.0	1945		78.7	25.9	72	22.2	1951	
11	46.1	28.9	86.7	31.5	92	33.3	1976		79.4	26.3	73	22.8	1966	
12	46.8	28.8	86.4	31.3	91	32.5	1975		79.1	26.2	70	21.1	1969	
13	46.9	28.8	86.6	31.6	92	33.3	1975		79.0	26.1	73	22.6	1980	
14	46.6	28.9	87.1	31.7	93	33.0	1953		79.0	26.1	71	21.7	1967	
15	46.7	28.7	86.6	31.4	92	33.3	1963		78.9	26.1	73	22.8	1956	
16	46.4	29.1	86.1	31.7	92	33.3	1965		79.7	26.5	74	23.3	1970	
17	46.6	29.2	86.8	31.6	92	33.3	1954		80.4	26.9	75	23.9	1976	
18	46.3	29.1	86.6	31.4	91	32.5	1983		80.0	26.7	74	23.3	1976	
19	46.4	29.1	86.1	31.7	93	33.9	1953		79.7	26.5	74	23.3	1976	
20	46.5	29.2	86.1	31.7	92	33.3	1963		80.2	26.8	74	23.3	1973	
21	46.3	29.1	86.0	31.7	93	33.9	1953		79.6	26.4	73	22.8	1975	
22	46.1	28.9	86.9	31.6	92	33.3	1953		79.3	26.3	71	21.7	1975	
23	46.3	28.9	86.7	31.5	93	33.9	1953		79.3	26.3	73	22.6	1976	
24	46.7	28.7	86.6	31.4	94	34.4	1953		78.9	26.1	74	23.3	1965	
25	46.7	28.7	86.5	31.4	92	33.3	1953		78.9	26.1	73	22.8	1983	
26	46.9	28.8	86.7	31.5	92	33.3	1980		79.0	26.1	73	22.8	1968	
27	46.9	28.8	86.6	31.4	92	33.3	1954		79.2	26.2	74	23.3	1977	
28	46.3	28.5	86.3	31.3	91	32.5	1980		78.3	25.7	70	21.1	1953	
29	46.7	28.7	86.7	31.5	93	33.9	1983		78.7	25.9	74	23.3	1993	
30	46.4	28.6	86.4	31.3	91	32.5	1974		78.3	25.7	73	22.6	1971	
31	46.3	28.5	86.1	31.2	94	34.4	1967		78.6	25.9	73	22.6	1963	
Monthly	46.0	28.9	86.8	31.6	94	34.4	1967		79.3	26.3	69	20.6	1967	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945

KEY WEST, FL

1945-1947

1953-1993

PTE REP

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	3.2	28.4	7.8	31.0	92	33.3	1969*		78.5	25.8	71	21.7	1981*
2	3.2	28.4	7.7	30.9	92	33.3	1953		78.6	25.9	74	23.3	1981
3	3.2	28.3	7.5	30.8	90	32.2	1983*		78.5	25.8	72	22.2	1957
4	3.1	28.3	7.8	31.1	91	32.4	1983*		78.0	25.6	71	21.1	1980
5	3.1	28.4	7.8	31.0	92	33.3	1970		78.4	25.8	72	22.2	1980*
6	3.1	28.6	7.5	31.4	93	33.9	1970		78.5	25.8	71	21.7	1946
7	3.2	28.4	7.7	30.9	92	33.3	1967		78.6	25.9	71	21.7	1946
8	3.3	28.5	7.8	31.2	91	32.3	1983*		78.5	25.8	71	21.7	1970
9	3.3	28.6	7.6	31.3	92	33.3	1978		78.7	25.9	73	22.8	1959
10	3.3	28.5	7.6	30.9	91	32.2	1970		78.9	26.1	73	22.8	1956
11	3.3	28.5	7.8	31.1	93	33.9	1965		78.6	25.9	73	22.8	1973
12	3.1	28.4	7.7	30.9	92	33.3	1974		78.5	25.8	70	21.1	1981*
13	3.2	28.4	7.8	31.1	91	32.4	1982*		78.3	25.7	70	21.1	1969
14	2.8	28.2	7.9	31.1	91	32.2	1970*		77.7	25.4	68	20.0	1978*
15	3.0	28.3	7.8	31.0	93	33.9	1953		78.2	25.7	73	22.8	1970*
16	3.3	28.5	7.8	31.2	92	33.3	1971		78.4	25.8	72	22.2	1967
17	3.3	28.6	7.8	31.3	91	32.8	1983*		78.7	25.9	73	22.4	1970
18	3.3	28.5	7.8	31.2	92	33.3	1945		78.4	25.8	71	21.7	1976*
19	2.8	28.2	7.6	30.9	90	32.2	1980*		78.1	25.6	73	22.4	1969
20	2.1	28.4	7.7	30.9	90	32.2	1980*		78.5	25.8	73	22.8	1963
21	2.1	28.1	7.3	30.7	91	32.4	1946		77.9	25.5	71	21.7	1971
22	2.1	28.1	7.3	30.7	91	32.2	1983		77.9	25.5	71	21.7	1953
23	2.6	28.1	7.4	30.8	90	32.2	1983*		77.7	25.4	66	18.9	1967
24	1.8	27.7	6.3	30.3	91	32.2	1976		77.0	25.0	67	19.4	1971
25	2.1	27.8	6.6	30.3	89	31.7	1980*		77.3	25.2	70	21.1	1967
26	2.1	27.8	6.6	30.3	90	32.2	1960		77.3	25.2	71	21.7	1970*
27	2.5	28.1	7.0	30.6	90	32.2	1980*		78.0	25.6	73	22.4	1969*
28	2.6	28.2	6.8	30.4	92	33.3	1980*		78.7	25.9	71	21.7	1953
29	3.0	28.3	7.3	30.7	91	32.2	1983*		78.6	25.9	73	22.8	1946
30	2.4	28.1	7.2	30.7	90	32.2	1980*		77.8	25.4	73	22.8	1981*
31													
Monthly	2.9	28.3	7.6	30.9	93	33.9	1970*		78.2	25.7	66	18.9	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1050

KEY WEST, FL

1945-1947 1953-1983

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	71.0	27.5	86.1	30.1	91	32.2	1978		76.9	24.9	71	21.7	1955	
2	70.7	27.8	86.4	30.2	90	32.2	1977		77.6	25.3	71	21.7	1953	
3	71.8	27.7	86.4	30.2	89	31.7	1980		77.2	25.1	72	22.2	1976	
4	70.0	27.8	86.3	30.2	90	32.2	1981		77.6	25.3	73	22.6	1974	
5	72.0	27.8	86.4	30.2	89	31.7	1978		77.6	25.3	72	22.2	1967	
6	71.0	27.2	85.1	29.5	89	31.7	1953		76.9	24.9	70	21.1	1967	
7	71.4	27.4	85.7	29.8	89	31.7	1976		77.2	25.1	70	21.1	1946	
8	71.6	27.6	85.8	29.9	89	31.7	1981		77.5	25.3	73	22.6	1979	
9	71.6	27.6	86.0	30.0	89	31.7	1981		77.2	25.1	71	21.7	1967	
10	71.4	27.4	85.4	29.7	89	31.7	1963		77.4	25.2	74	23.3	1977	
11	70.7	27.1	84.9	29.4	88	31.1	1979		76.4	24.7	72	22.2	1971	
12	70.3	26.9	84.6	29.2	89	31.1	1979		76.4	24.7	72	22.2	1971	
13	70.0	26.7	84.3	29.1	88	31.1	1980		75.7	24.3	70	21.1	1977	
14	70.3	26.3	83.2	28.4	88	31.1	1983		75.5	24.2	66	18.9	1977	
15	70.5	26.4	83.8	28.8	89	31.7	1971		75.2	24.0	66	18.9	1977	
16	70.7	26.3	83.4	28.6	89	31.7	1969		75.2	24.0	71	21.7	1954	
17	70.6	25.9	83.7	28.3	89	31.7	1967		74.2	23.4	67	19.4	1977	
18	70.8	26.0	83.1	28.4	87	30.6	1971		74.4	23.6	67	19.4	1977	
19	70.8	26.0	82.8	28.2	87	30.6	1980		74.6	23.8	70	21.1	1967	
20	70.1	26.2	83.2	28.4	91	32.8	1980		74.9	23.8	68	20.0	1967	
21	70.6	25.9	82.8	28.2	89	31.7	1980		74.4	23.6	65	18.3	1964	
22	70.9	26.1	82.9	28.3	89	31.7	1980		74.8	23.8	68	20.0	1976	
23	70.0	25.8	82.5	28.1	89	31.7	1969		74.4	23.6	69	20.6	1961	
24	70.6	25.9	83.0	28.3	90	32.2	1945		74.3	23.5	70	21.1	1982	
25	70.6	25.9	82.9	28.3	88	31.1	1945		74.3	23.5	67	19.4	1982	
26	71.7	25.4	81.6	27.6	86	30.0	1981		73.8	23.2	68	20.0	1968	
27	71.4	25.2	81.3	27.4	88	31.1	1960		73.5	23.1	67	19.4	1957	
28	71.7	25.4	81.8	27.7	87	30.6	1980		73.5	23.1	60	15.6	1957	
29	71.9	25.5	82.2	27.9	88	31.1	1967		73.7	23.2	66	18.9	1957	
30	71.1	25.1	81.2	27.3	89	31.7	1980		73.0	22.8	65	18.3	1968	
31	70.0	24.0	81.5	27.5	86	30.0	1980		72.3	22.4	62	16.7	1953	
Monthly	70.6	26.4	83.9	28.8	91	32.8	1980		75.4	24.1	60	15.6	1957	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 1950

KEY WEST, FL

1945-1947 1953-1983

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	76.8	24.9	80.8	27.1	87	30.6	1972	72.7	22.6	66	18.9	1954
2	76.8	24.9	80.9	27.2	86	30.0	1972	72.8	22.7	66	18.9	1957
3	76.4	24.7	80.4	26.9	86	30.0	1979*	72.4	22.4	61	16.1	1966
4	76.3	24.6	81.0	27.2	87	30.6	1946	71.6	22.0	54	12.2	1966
5	75.5	24.2	79.8	26.6	85	29.4	1979*	71.2	21.8	60	15.6	1969
6	74.8	23.8	78.7	25.9	86	30.0	1972	70.8	21.6	59	15.0	1969
7	75.1	23.9	79.2	26.2	88	31.1	1972	71.0	21.7	60	15.6	1969
8	75.9	24.4	80.4	26.7	87	30.6	1946	71.4	21.9	58	14.4	1969
9	76.4	24.7	80.7	27.1	86	30.0	1977*	72.0	22.2	62	16.7	1976
10	75.7	24.3	80.2	26.8	87	30.6	1977	71.3	21.8	60	15.6	1956
11	75.3	24.1	79.5	26.4	88	31.1	1946	71.1	21.7	63	17.2	1977*
12	76.0	24.0	79.0	26.1	86	30.0	1972	71.4	21.9	61	16.1	1962
13	74.8	23.8	79.1	26.2	89	31.7	1945	70.5	21.4	55	14.4	1968
14	74.3	23.5	78.5	25.8	85	29.4	1980	70.2	21.2	57	13.9	1968
15	74.3	23.4	78.6	25.9	86	30.0	1976	69.8	21.0	54	12.2	1975
16	74.4	23.6	78.5	25.8	84	28.9	1976	70.3	21.3	60	15.6	1969
17	75.0	23.9	79.5	26.4	85	29.4	1980*	70.5	21.4	59	15.0	1970
18	75.5	24.2	79.6	26.4	84	28.9	1976*	71.4	21.9	59	15.0	1983
19	75.4	24.1	79.9	26.6	86	30.0	1976	70.9	21.6	62	16.7	1968
20	74.9	23.8	79.1	26.2	66	30.0	1976*	70.7	21.5	6	15.6	1968
21	74.3	23.5	78.4	25.8	85	29.4	1976	70.2	21.2	55	12.8	1968
22	74.1	23.3	78.4	25.8	85	29.4	1973*	69.7	20.9	59	15.0	1968
23	73.8	23.2	78.2	25.7	83	28.3	1983*	69.5	20.8	59	15.0	1956
24	73.4	23.0	77.8	25.4	85	29.4	1967	69.0	20.6	51	10.6	1970
25	73.1	22.8	77.5	25.3	84	28.9	1967	68.6	20.3	50	10.0	1970
26	73.3	22.9	78.1	25.6	84	28.9	1967*	68.6	20.3	59	15.0	1966
27	73.9	23.3	78.6	25.9	85	29.4	1976	69.2	20.7	56	13.3	1966*
28	74.6	23.7	79.1	26.2	86	30.0	1973	70.2	21.2	55	12.8	1956
29	73.8	23.2	78.2	25.7	86	30.0	1976	69.3	20.7	52	11.1	1959
30	71.0	22.2	76.3	24.6	84	29.4	1967	67.5	19.7	50	10.0	1959
31												
Monthly	74.5	23.9	79.1	26.2	87	31.7	1945	70.5	21.4	50	10.0	1970*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

175

KEY WEST, FL

1941-1947 1953-1981

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.0	21.6	74.8	23.6	84	28.9	1977	66.3	19.3	55	12.8	1957
2	71.5	21.9	75.4	24.1	84	28.9	1978*	67.6	19.8	57	13.9	1963
3	72.3	22.5	76.8	24.7	84	28.9	1983*	68.2	20.1	57	13.9	1959
4	73.1	22.3	76.3	24.6	84	28.9	1978	67.0	19.9	57	13.9	1959
5	71.3	21.8	75.9	24.4	84	28.9	1978	66.8	19.3	52	11.1	1969
6	72.0	22.2	76.8	24.9	85	29.4	1978	67.2	19.6	57	13.9	1968
7	71.8	22.1	76.2	24.6	85	29.4	1978	67.4	19.7	57	13.9	1977*
8	72.1	22.3	76.5	24.7	85	29.4	1978	67.7	19.8	59	15.0	1959
9	70.2	22.3	76.7	24.8	84	28.9	1977	67.6	19.8	58	14.4	1976
10	71.0	21.7	75.3	24.1	84	28.9	1969	66.8	19.3	56	13.3	1962
11	71.4	21.9	76.1	24.5	83	28.3	1976*	66.8	19.3	51	1.6	1962
12	70.8	21.6	75.7	24.3	84	28.9	1953	66.7	18.9	46	7.8	1957
13	70.8	21.6	75.7	24.3	85	29.4	1976	66.3	18.9	47	8.3	1962
14	71.7	22.1	76.2	24.6	86	30.0	1972	67.3	19.6	50	10.0	1969
15	71.4	21.9	76.2	24.6	85	29.4	1972	66.7	19.3	49	9.4	1969
16	70.7	21.2	75.0	23.9	89	31.7	1977	65.4	18.6	46	8.9	1968
17	69.4	20.8	74.2	23.4	83	28.3	1971	64.6	18.1	47	8.3	1968
18	68.5	20.8	74.2	23.4	83	28.3	1967	64.8	18.2	53	11.7	1973
19	69.7	20.9	74.7	23.7	83	28.3	1969*	64.8	18.2	51	10.6	1981
20	70.0	21.1	74.9	23.8	83	28.3	1966	65.2	18.4	49	9.4	1981
21	69.9	21.1	74.8	23.8	83	28.3	1966	65.0	18.3	53	11.7	1981
22	68.1	20.6	74.0	23.3	82	27.8	1983*	64.2	17.9	51	10.6	196
23	69.5	20.8	74.7	23.7	83	28.3	1978	64.3	17.9	51	10.6	1977
24	69.3	20.7	73.8	23.2	82	27.8	1978	64.8	18.2	51	10.6	1967
25	58.9	21.0	74.5	23.6	82	27.8	1978*	65.1	18.4	49	9.4	1983*
26	68.5	20.3	73.4	23.0	83	28.3	1978	63.6	17.6	44	6.7	1983
27	68.4	20.2	72.8	22.7	81	27.2	1974*	63.7	17.6	49	9.4	1983
28	70.4	21.3	75.4	24.1	83	28.3	1978	65.4	18.6	53	11.7	1976
29	71.2	21.6	75.9	24.4	83	28.3	1968	66.4	19.1	55	12.8	1980
30	75.7	21.6	75.8	24.3	83	28.3	1945	66.1	18.9	55	12.8	1983
31	71.6	22.0	76.3	24.6	82	27.8	1982*	66.8	19.3	53	11.7	1983
Monthly	70.7	21.5	75.3	24.1	89	31.7	1977	66.0	18.9	44	6.7	1983

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1 KEY WEST, FL 53- YEARS

STATION

STATION NAME

YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1							83	84	87	89	85	84	
2	81	81	85	86	91	91	92	92	89	86	82	71	92
3	80	81	83	83	87	89	89	91	88	86	82	81	91
4	78	80	81	83	86	88	90	89	90	86	82	81	90
5	81	82	84	84	87	89	90	91	88	88	85	78	91
6	77	80	82	85	88	90	90	91	90	87	86	83	91
7	81	83	88	84	87	88	89	89	89	88	85	80	89
8	82	81	82	83	88	89	91	90	90	89	84	80	91
9	81	81	85	85	89	91	89	90	89	88	84	82	91
10	80	81	83	86	85	89	92	90	91	89	82	81	90
11	80	81	84	84	87	92	90	90	91	88	84	82	90
12	81	81	84	86	86	90	90	92	90	88	84	83	90
13	82	83	86	90	89	91	92	92	88	87	86	82	90
14	80	81	81	83	88	88	90	90	91	89	84	81	90
15	82	86	88	86	92	93	91	94	92	90	85	83	94
16	81	85	87		90	92	94	91	92	90	85	83	94
17	84	80	84	80	93	95	95	90	92	89	85	84	90
18	80	79	84	80	85	91	90	90	93	87	84	80	90
19	83	81	82	88	86	90	91	92	92	89	80	84	90
20	85	87	84	85	88	90	91	91	91	90	88	86	91
21	82	82	86	86	89	91	91	91	92	87	84	82	90
22	83	85	88	88	91	91	94	92	91	89	88	81	94
23	81	82	84	87	89	89	91	92	92	89	86	85	90
24	82	83	87	87	89	91	91	92	90	90	87	89	90
25	82	81	82	89	89	91	90	91	92	91	86	85	90
26	81	82	82	86	87	89	92	90	90	88	86	82	90
27	83	82	85		89	91	92	93	92	91	85	80	90
28	75	80	82	83	88	92	90	91	91	90	84	82	90
29	84	84	85	88	88	89	92	90	91	88	84	83	90
MEAN	81.2	81.5	84.2	85.9	88.3	91.4	91.1	91.4	90.6	88.3	86.7	82.3	81.8
S.D.	2.877	1.713	2.777	2.111	1.887	1.590	1.505	1.217	1.444	1.421	1.866	2.240	1.268
TOTAL OBS.	809	819	899	810	899	870	899	930	900	899	900	810	1065

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

4. MIN. TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1	NEW WEST, FL	53-12

1/2 MILE DEGREE Fahrenheit
/BASED ON LESS THAN FULL MONTHS/

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1 STATION FORT WEST, FL 53-12 YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4	55	6	57	69	69	73	74	74	71	62	40	55	54
5	54	49	58	7	70	69	73	77	74	68	60	5	40
6	54	61	55	64	7	71	73	73	71	71	65	57	40
7	57	65	59	70	7	75	76	74	71	67	46	46	40
8	6	43	57	64	69	72	75	74	72	7	72	5	40
9	1	47	56	62	71	73	72	75	73	73	5	57	40
10	1	53	55	63	6	74	75	73	72	74	67	51	5
11	53	59	58	64	68	7	75	77	74	69	46	51	51
12	54	50	60	63	68	74	76	73	73	69	56	47	47
13	57	58	61	66	69	72	72	75	73	69	56	52	5
14	47	52	63	66	73	74	75	75	75	65	68	10	40
15	57	54	56	71	70	71	76	72	75	7	65	59	40
16	46	50	58	65	71	68	72	73	72	7	74	49	40
17	50	50	60	74	76	75	73	65	66	68	61	51	5
18	3	54	51	6	6	70	71	73	74	65	55	47	40
19	41	49	52	67	69	73	73	70	66	7	60	49	40
20	41	40	56	46	46	71	7	72	67	71	5	6	40
21	48	53	56	58	71	71	72	71	74	72	75	66	40
22	61	58	64	65	71	72	75	74	73	75	75	55	55
23	55	5	61	65	70	75	73	73	73	60	43	53	51
24	70	51	62	64	69	72	76	75	76	71	43	57	51
25	57	61	62	65	73	73	72	71	73	71	74	54	40
26	50	57	64	64	72	69	75	73	71	64	60	53	40
27	46	52	59	66	70	73	72	72	74	66	59	51	40
28	51	5	56	66	71	74	74	76	68	72	55	65	51
29	54	51	60	67	66	73	73	75	74	73	60	60	51
30	54	50	47	59	59	70	73	70	70	72	56	54	40
31	43	5	57	70	69	75	73	7	70	71	63	49	40
32	51	61	61	7	71	72	75	74	72	67	63	55	51
MEAN	52.3	54.3	57.0	56.1	60.8	72.3	73.7	73.2	72.0	69.3	60.7	54.4	49.8
S.D.	5.31	5.470	3.459	3.270	2.196	1.032	1.777	2.058	2.414	3.380	5.333	5.000	3.004
TOTAL OBS.	849	819	899	819	899	870	899	930	900	899	900	870	10654

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1	WEST, FL	93-

[illegible]

SMOS

44.

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MORTUARY

HOURS LIST

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
60																								
61																								
62																								
63																								
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100																								
Element (X)	ΣX ²	ΣX		̄X	σ _X	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	122	17.4		.4	1.71	24		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total										
Dry Bulb	246	7.6		.1	1.20	24				6.2	7.2	43.4		4.										
Wet Bulb	15.1	1.4		.1	1.1	24				6.1	6.3	1.5		4.										
Dew Point	15.6	1.4		.1	1.34	24				6.1	6.4	1.5		4.										

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERV.COM

[illegible]

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

NOUR (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH _____

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS / 1 8 7

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH _____

HOURS (LST)

[illegible]

NAVWEASERVCOM

07/18 2,097 54321

STATION NAME

YEARS

MONTH

HOURS (157)

NAVWEASERVCOM

44-38861-1000

STATION

STATION NAME

YEARS

MONTH

HOURS 11 57 1

[illegible]

4
1786 4612 4/4

MONTH

HOURS 12 5 7 1

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

CRY-FILE TEMPERATURES DEG F FROM HOURLY OBSERVATION

1 KEY WEST, FL

77-80

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		
	MEAN	JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
	S. D.	67.0 67.0 71.9 74.8 77.7 80.9 82.0 81.9 81.2 77.6 73.4 69.7 75.4
	TOTAL OBS	6.770 6.085 4.605 2.825 2.61 1.836 1.599 1.86 1.823 2.944 4.38 5.795 6.777
		302 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	6. 66.4 71.4 74.2 77.1 80.2 81.5 81.4 81.7 77.7 72.9 68.7 74.3
	S. D.	7.070 6.279 4.511 2.974 2.728 1.886 1.711 1.792 1.792 2.861 4.186 6.34 6.784
	TOTAL OBS	302 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	6.3 66.7 71.2 74.7 78.5 81.5 82.6 82.0 81.2 77.0 72.4 68.4 75.7
	S. D.	7.073 6.421 5.038 3.086 2.685 1.984 1.911 2.64 1.767 3.019 4.444 6.256 7.009
	TOTAL OBS	302 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	70.7 70.3 76.1 79.3 82.2 84.9 86.1 86.7 85.4 81.7 76.9 72.5 79.7
	S. D.	7.663 7.053 5.206 3.027 2.702 2.738 2.538 2.626 2.578 3.600 4.923 6.568 7.009
	TOTAL OBS	302 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	72.7 72.4 77.9 80.8 83.4 85.9 87.1 87.1 86.3 82.9 79.6 74.3 80.8
	S. D.	7.846 7.178 5.074 3.121 2.718 2.685 2.501 2.741 3.305 3.391 4.814 6.493 7.111
	TOTAL OBS	309 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	71.7 71.9 77.2 80.1 83.1 85.6 86.8 86.5 85.6 82.2 77.7 73.5 80.7
	S. D.	7.441 6.427 4.934 2.917 2.700 2.476 2.331 2.341 2.753 2.972 4.475 5.886 6.954
	TOTAL OBS	309 282 310 300 310 300 310 310 300 310 300 310 300
	MEAN	69.5 68.5 73.6 76.6 79.8 82.9 84.2 83.8 82.7 79.1 74.6 71.5 77.1
	S. D.	6.859 6.123 4.647 2.779 2.645 2.220 1.744 2.012 1.949 2.751 3.997 5.429 6.876
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 300
	MEAN	67.6 67.5 72.6 75.3 78.7 81.5 82.8 82.7 81.7 78.2 73.9 69.7 76.1
	S. D.	6.722 5.796 4.556 2.740 2.507 1.891 1.390 1.820 2.021 2.841 3.952 5.479 6.714
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 309 300
ALL HOURS	MEAN	67.7 68.8 74.0 77.0 80.1 82.9 84.1 83.9 83.1 79.5 75.1 70.9 77.4
	S. D.	7.543 6.845 5.477 3.865 3.525 3.079 2.926 3.082 3.148 3.818 4.472 6.363 7.037
	TOTAL OBS	2474 2256 2080 2400 2480 2400 2480 248 2480 2480 2400 2478 2924

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

17- UH TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

17- UH TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
MEAN		2.7	62.7	66.5	68.1	71.8	74.9	75.5	75.9	75.9	72.3	69.8	64.3	7.2	
S. D.		7.669	6.655	5.231	3.939	3.265	1.462	1.343	1.315	1.523	3.438	5.085	6.645	6.69	
TOTAL OBS		309	292	311	300	310	300	310	310	300	310	300	310	309	
MEAN		2.3	61.8	66.2	69.3	71.6	74.6	75.2	75.6	75.7	72.4	69.5	64.1	69.7	
S. D.		7.669	6.687	5.344	4.139	3.222	1.668	1.449	1.347	1.498	3.391	5.120	6.758	6.757	
TOTAL OBS		309	292	310	300	310	300	310	310	300	310	300	310	309	
MEAN		2.1	61.6	66.1	68.6	72.4	75.4	75.9	76.1	76.1	72.3	69.2	63.9	69.9	
S. D.		7.773	6.750	5.521	4.100	3.153	1.709	1.297	1.375	1.388	3.457	5.329	6.759	7.12	
TOTAL OBS		309	292	310	300	310	300	301	310	300	310	299	311	7649	
MEAN		4.1	63.6	68.2	70.1	73.8	76.4	77.0	77.3	77.5	74.1	70.1	66.0	71.4	
S. D.		7.974	7.124	5.521	4.137	3.073	1.820	1.425	1.530	1.611	3.520	5.456	6.925	6.647	
TOTAL OBS		309	292	311	300	310	300	309	310	300	310	300	310	309	
MEAN		5.0	64.5	69.9	70.7	74.0	75.7	77.2	77.8	77.8	74.4	70.6	66.6	72.1	
S. D.		7.674	6.974	5.370	3.946	3.071	1.696	1.446	1.461	1.865	3.412	5.197	6.662	6.64	
TOTAL OBS		309	292	310	300	310	300	309	311	300	310	300	310	309	
MEAN		4.0	64.2	69.5	70.3	73.9	76.5	77.1	77.5	77.4	73.9	70.1	66.1	71.7	
S. D.		7.639	6.705	5.302	3.939	3.043	1.708	1.375	1.436	1.626	3.396	5.089	6.323	6.577	
TOTAL OBS		309	292	311	300	310	300	310	310	300	310	300	310	309	
MEAN		1.3	62.7	66.2	68.9	72.4	75.4	76.0	76.3	76.1	72.7	69.0	64.0	70.4	
S. D.		7.588	6.515	5.329	3.999	3.272	1.664	1.274	1.328	1.674	3.363	4.988	6.320	6.620	
TOTAL OBS		310	292	310	300	310	300	310	310	300	310	300	309	309	
MEAN		2.0	62.3	66.9	68.7	72.2	75.1	75.8	76.2	76.0	72.5	69.8	64.7	70.7	
S. D.		7.327	6.306	5.242	3.877	3.276	1.689	1.207	1.303	1.581	3.438	4.978	6.385	6.606	
TOTAL OBS		310	292	310	300	310	300	310	310	300	310	300	309	309	
ALL HOURS	MEAN	3.4	62.2	67.3	69.3	72.8	75.6	76.2	76.6	76.6	73.1	69.3	65.1	70.7	
	S. D.	7.742	6.792	5.451	4.115	3.288	1.861	1.524	1.577	1.752	3.526	5.216	6.664	6.740	
	TOTAL OBS	2474	2256	2481	2400	2480	2400	2477	2480	2400	2480	2399	2478	29274	

NAVWEASERVCOM

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33'

STATION

STATION NAME

PERIOD

MONTH

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STATION

STATION NAME

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1 1957

1957

1957

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%		
1	01	100.0	100.0	100.0	100.0	100.0	71.9	71.3	30.3	1.3	74.8	310
	02	100.0	100.0	100.0	100.0	99.4	94.2	73.2	35.0	1.6	75.6	310
	03	100.0	100.0	100.0	100.0	99.4	91.3	71.9	39.7	2.6	76.0	310
	04	100.0	100.0	100.0	100.0	5.8	72.8	35.8	5.2	.6	66.5	310
	05	100.0	100.0	100.0	99.4	99.4	58.7	19.7	1.6		62.5	310
	06	100.0	100.0	100.0	99.0	72.9	62.9	23.0	1.6	.3	63.6	310
	07	100.0	100.0	100.0	100.0	88.3	83.5	50.6	12.6		70.0	310
	08	100.0	100.0	100.0	100.0	99.4	91.0	65.5	27.1	1.0	73.5	310
	09											
	10											
	11											
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	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	100.0	100.0	9.8	96.0	80.6	51.5	19.2	.2	7.03	2400

OCEANAV-SMOS

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STATION

STATION NAME

PERIOD

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1975 KEY EST, FL

13-92

374

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%		
1	1	100.0	100.0	100.0	100.0	100.0	99.7	86.7	16.0	.3	75.7	370
	2	100.0	100.0	100.0	100.0	100.0	99.3	93.7	23.0	2.0	77.1	370
	3	100.0	100.0	100.0	100.0	100.0	99.3	77.7	16.3	1.7	75.2	370
	4	100.0	100.0	100.0	100.0	99.3	91.7	25.0	5.7	1.0	67.7	370
	5	100.0	100.0	100.0	100.0	99.0	84.0	19.0	3.7	1.0	65.8	370
	6	100.0	100.0	100.0	100.0	99.7	84.3	15.7	4.0	.7	65.9	370
	7	100.0	100.0	100.0	100.0	100.0	96.7	41.3	8.7	.7	71.4	370
	8	100.0	100.0	100.0	100.0	99.7	99.0	74.0	10.3	.7	74.0	370
TOTALS		100.0	100.0	100.0	100.0	99.7	94.1	53.8	11.0	1.0	71.5	2470

OCEANAV-SMOS

146

1000	404-EST, FL	73-82	J L
STATION	STATION NAME	PERIOD	SORT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	1	100.0	100.0	100.0	100.0	100.0	99.4	74.2	7.1		73.5	310
	2	100.0	100.0	100.0	100.0	100.0	99.7	80.0	10.3	.3	74.6	310
	3	100.0	100.0	100.0	100.0	100.0	99.7	65.7	9.1	.6	71.3	310
	4	100.0	100.0	100.0	100.0	100.0	96.7	14.6	3.9	.6	65.9	310
	5	100.0	100.0	100.0	100.0	100.0	96.7	72.2	11.3	3.2	63.0	310
	6	100.0	100.0	100.0	100.0	100.0	90.3	9.4	2.3	1.7	64.2	311
	7	100.0	100.0	100.0	100.0	100.0	95.5	22.3	2.6	.3	68.2	311
	8	100.0	100.0	100.0	100.0	100.0	99.4	60.0	2.6	.3	71.0	311
TOTALS		100.0	100.0	100.0	100.0	99.9	91.6	42.1	5.1	.6	69.4	2477

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1957 FEB 15 - 21

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%		
1	1	100.0	100.0	100.0	100.0	100.0	100.0	85.5	18.4	1.6	75.8	310
	2	100.0	100.0	100.0	100.0	100.0	100.0	86.5	21.3	2.3	76.6	310
	3	100.0	100.0	100.0	100.0	100.0	100.0	87.6	22.3	2.3	76.7	310
	4	100.0	100.0	100.0	100.0	100.0	92.6	21.6	6.1	1.7	67.6	310
	5	100.0	100.0	100.0	100.0	100.0	91.6	14.2	5.5	1.3	55.4	310
	6	100.0	100.0	100.0	100.0	100.0	85.4	18.1	3.9	.3	66.1	310
	7	100.0	100.0	100.0	100.0	100.0	92.4	35.4	7.1	1.0	70.8	310
	8	100.0	100.0	100.0	100.0	100.0	100.0	77.6	9.7	1.6	73.7	310
TOTALS		100.0	100.0	100.0	100.0	100.0	95.4	52.2	11.8	1.8	71.5	2457

OCEANAV-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1977 05-01-31

12-31

1977

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%		
01	01	100.0	100.0	100.0	100.0	100.0	100.0	95.0	30.3	2.0	78.3	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	95.7	37.3	2.7	79.4	310
	03	100.0	100.0	100.0	100.0	100.0	100.0	96.7	36.7	3.3	79.2	310
	04	100.0	100.0	100.0	100.0	100.0	97.0	36.0	8.0	1.7	78.1	310
	05	100.0	100.0	100.0	100.0	100.0	84.0	26.3	9.3	2.3	68.3	310
	06	100.0	100.0	100.0	100.0	99.7	92.3	31.3	1.0	2.3	69.1	310
	07	100.0	100.0	100.0	100.0	100.0	99.0	67.3	14.7	1.7	73.6	310
	08	100.0	100.0	100.0	100.0	100.0	100.0	87.7	23.0	3.3	77.7	310
TOTALS		100.0	100.0	100.0	100.0	100.0	97.2	67.2	21.1	2.0	74.4	2410

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1966 AIR TEST, FL

17-20

17

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%		
1	1	100.0	100.0	100.0	100.0	100.0	97.7	84.2	35.5	7.9	77.5	31
2	2	100.0	100.0	100.0	100.0	99.7	98.4	91.6	41.5	6.5	79.5	31
3	3	100.0	100.0	100.0	100.0	100.0	98.4	90.6	44.0	4.0	79.6	31
4	4	100.0	100.0	100.0	100.0	99.4	89.4	41.7	9.7	1.6	69.7	31
5	5	100.0	100.0	100.0	100.0	96.7	76.5	28.7	7.4	1.0	66.7	31
6	6	100.0	100.0	100.0	100.0	98.4	81.3	34.2	4.8	.3	67.3	31
7	7	100.0	100.0	100.0	100.0	99.7	95.2	62.3	17.1	1.6	73.1	31
8	8	100.0	100.0	100.0	100.0	100.0	96.8	78.1	25.0	2.6	75.6	31
TOTALS		100.0	100.0	100.0	100.0	99.8	91.7	63.8	24.5	2.8	73.7	248

OCEANAV-SMOS

RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

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OCEANAV-SMOS



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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

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%		
1	1	100.0	100.0	100.0	100.0	96.1	91.9	77.9	41.3	2.2	76.1	310
		100.0	100.0	100.0	100.0	94.7	94.2	79.7	41.9	2.0	77.1	310
		100.0	100.0	100.0	100.0	96.1	95.5	77.4	41.0	4.5	77.6	310
		100.0	100.0	100.0	99.7	97.7	85.2	51.6	13.4	1.9	71.2	310
		100.0	100.0	100.0	99.7	95.2	74.6	31.3	7.4	1.3	66.1	310
		100.0	100.0	100.0	99.7	97.9	76.8	39.7	9.0	.6	67.2	310
		100.0	100.0	100.0	99.4	97.1	91.1	64.4	25.9	1.9	73.4	310
		100.0	100.0	100.0	100.0	99.1	91.3	71.5	13.3	2.3	74.4	310
TOTALS		100.0	100.0	100.0	99.7	97.3	87.7	61.2	26.8	2.4	72.9	2478

OCEANAV-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	99.4	97.5	92.6	80.9	46.0	73.6	2474
FEB		100.0	100.0	100.0	99.5	95.7	92.2	86.5	77.4	60.5	71.9	2251
MAR		100.0	100.0	100.0	99.5	96.0	90.5	81.5	69.2	49.0	70.3	2400
APR		100.0	100.0	100.0	99.2	94.5	84.5	71.4	58.4	40.5	67.5	2410
MAY		100.0	100.0	100.0	99.9	97.5	94.3	82.2	68.4	46.5	70.4	2410
JUN		100.0	100.0	100.0	100.0	99.7	96.1	83.5	68.0	46.0	71.5	2400
JUL		100.0	100.0	100.0	100.0	99.8	91.5	72.1	50.1	28.4	69.4	2477
AUG		100.0	100.0	100.0	100.0	100.0	95.4	82.7	68.0	46.0	71.5	2400
SEP		100.0	100.0	100.0	100.0	100.0	97.2	87.0	71.1	46.4	74.4	2400
OCT		100.0	100.0	100.0	100.0	99.5	91.7	73.0	54.5	30.8	73.7	2400
NOV		100.0	100.0	100.0	99.9	98.1	94.0	87.2	72.7	46.8	74.5	2199
DEC		100.0	100.0	100.0	99.7	97.3	97.7	91.2	76.0	50.4	72.5	2470
TOTALS		100.0	100.0	100.0	99.8	98.1	94.1	86.0	71.5	46.1	71.8	29274

OCEANAV-SMOS

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 1 ST. 11 JANUARY 1973-OCTOBER 1982 MONTH

TEMP.	WIND DIRECTION									TOTAL FREQ.	OF TOTAL
	NNW & N	NNE & NE	ESE & E	ENE & E	ESS & S	SSW & SW	WSW & W	WNW & NW	CALM		
122 -											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61											
42 TO 51											
32 TO 41											
22 TO 31											
12 TO 21											
2 TO 11											
1 TO 11											
0 TO 1											
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100 TO 1											
TOTALS	11.4	23.6	21.4	16.2	7.5	3.6	2.1	4.0	1.0	2474	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1

JANUARY 1973-DECEMBER 1982

JANUARY 1973-DECEMBER 1982

FEBRUARY

STATION

STATION NAME

YEAR

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											
87 TO 91											
82 TO 86				27.5	42.9	23.8	4.8			71	.8
77 TO 81	5.7	1.3	14.4	32.2	27.5	9.7	7.4	1.0	.3	279	11.2
72 TO 76	7.2	8.7	28.3	27.8	13.6	4.7	5.3	2.4	2.7	552	24.5
67 TO 71	11.4	26.6	22.9	9.6	3.8	1.1	2.3	8.6	3.8	533	23.6
62 TO 66	31.6	43.8	13.3	1.3	.2		.6	6.6	3.2	472	20.9
57 TO 61	19.5	6.7	7.8	.3			.7	10.9	4.1	294	13.1
52 TO 56	42.7	49.3	4.7					1.1	2.7	75	3.3
47 TO 51	3.6	27.3	7.1							1	.5
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											
-63 TO -59											
TOTALS	1.1	24.2	18.3	13.7	8.3	3.0	3.1	5.6	2.0	2256	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1

ST. FL

JANUARY 1973-DECEMBER 1982

MARCH

STATION

STATION NAME

YEAR

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											
87 TO 91					100.0						
82 TO 86	1.4	1.4	1.4	45.6	32.7	8.7	6.1	2.0	1.4	147	5.9
77 TO 81	2.4	2.4	15.3	42.4	7.4	5.6	7.2	3.4	1.1	720	29.7
72 TO 76	7.6	6.6	71.3	34.5	1.9	2.2	1.6	3.4	1.8	882	35.6
67 TO 71	17.5	22.8	78.6	8.8	4.2	.8	3.5	8.6	5.2	479	19.3
62 TO 66	31.7	33.7	12.1	1.0			.5	10.6	5.5	149	6.1
57 TO 61	5.0	34.1	7.6					7.3	9.8	41	1.7
52 TO 56	55.0	25.									.2
47 TO 51	42.4	78.6	78.6								.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	1.4	10.9	23.3	27.0	12.6	3.0	2.7	5.1	2.7	247	100.0

NAVWEASERVCOM

1004 4432 54321

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1 STATION NAME: KEY ST, FL YEARS: JANUARY 1973-DECEMBER 1982 MONTH: APRIL

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							100.0				.1
82 TO 86	4.0	2.2	13.7	38.2	25.5	7.1	5.3	3.7	.3	122	13.4
77 TO 81	5.5	6.3	29.6	32.0	13.4	4.5	2.7	3.3	2.6	173	43.1
72 TO 76	0.5	15.1	42.6	17.0	3.0	.7	1.2	5.4	3.8	84	35.2
67 TO 71	19.4	41.4	30.4	1.0	1.0	.5	.5	4.7	1.0	191	6.0
62 TO 66	0.0	20.0	60.0								.0
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 A LWR											
TOTALS	7.8	11.7	32.1	25.3	10.6	3.2	2.5	4.2	2.6	2400	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1

KEY WEST, FL

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	19.6		7.7	23.6	27.5	9.8	13.7	3.9		11	2.1
82 TO 86	6.5	5.3	13.3	35.6	25.7	6.4	2.9	3.4	1.6	799	12.2
77 TO 81	7.6	6.1	23.1	31.5	17.0	4.2	2.2	3.3	5.1	1273	40.5
72 TO 76	7.5	21.1	26.4	10.6	5.6	1.5	1.0	7.8	8.3	412	16.6
67 TO 71	13.3	26.7	26.7	27.0					1.3	15	.6
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	7.5	8.3	21.7	29.0	16.0	4.5	2.0	4.1	4.4	248	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION NAME
KEY WEST, FL

YEARS
JANUARY 1973-DECEMBER 1982

MONTH
JUNE

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	6.4	5.2	16.8	37.3	18.2	7.5	3.2	3.8	1.7	96.6	14.4
82 TO 86	4.1	3.5	21.7	36.7	17.9	5.9	3.1	3.2	4.0	126.3	52.6
77 TO 81	2.5	8.3	29.7	23.7	16.9	4.6	3.1	1.5	10.8	99.8	30.8
72 TO 76	7.5	9.4	24.5	19.9	11.3	3.8	5.7	7.5	11.3	53	2.2
67 TO 71											
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											
-63 TO -59											
TOTALS	3.9	5.3	23.3	32.4	17.5	5.7	3.2	2.9	5.9	2400	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

VEN EST. FL

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		10.7									0.0
87 TO 91	3.9	1.4	13.9	44.4	21.1	5.1	2.5	4.1	3.1	61.7	24.6
82 TO 86	1.8	3.3	27.0	39.6	12.4	4.4	2.2	2.3	7.9	147.6	59.5
77 TO 81	2.4	10.8	28.6	32.4	17.0	4.1	4.1	2.4	15.1	370	14.9
72 TO 76	3.7	13.7	21.7	17.4	8.7	4.3	3.7	13.7	4.3	23	9.3
67 TO 71											
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	2.4	4.2	24.0	78.0	14.2	4.3	2.6	2.9	7.2	2440	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1- NEW WEST, FL

JANUARY 1973-DECEMBER 1962

MONTH

STATION

STATION NAME

YEARS

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	2.8	3.2	24.5	45.8	16.0	4.2	.7	2.0	1.3	600	24.2
82 TO 86	2.0	5.2	35.4	38.7	8.9	2.2	1.1	2.4	4.2	1354	56.2
77 TO 81	2.0	16.1	30.8	16.3	10.5	4.9	3.3	2.2	13.8	448	18.1
72 TO 76	5.3	21.1	31.6	17.5	15.8	5.3			10.5	37	1.5
67 TO 71											
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 A LWR											
TOTALS	2.3	6.9	11.7	35.9	11.0	3.2	1.4	2.2	5.3	2487	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

1700 KEY WEST, FL

JANUARY 1973-DECEMBER 1982 SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96				110.0							0.0
87 TO 91	5.2	4.5	23.9	31.2	17.6	8.1	4.3	3.2	2.1	443	10.6
82 TO 86	4.3	6.0	27.2	32.0	15.1	3.1	2.2	3.1	7.1	127	50.0
77 TO 81	3.1	14.2	16.7	16.6	10.5	2.1	2.0	1.3	21.9	717	29.9
72 TO 76	2.6	28.2	17.9	15.4	7.7	2.6	2.6	2.6	20.5	30	1.6
67 TO 71											
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	3.0	8.8	26.9	27.0	14.0	3.7	2.8	2.5	10.8	2400	100.0

NAVWEASERVCOM

1000 4432 54321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

KEY ST, FL

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

OCTOBER

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											
87 TO 91	6.5	5.2	26.0	29.9	18.2	5.2	5.2	2.6	1.3	77	3.1
82 TO 86	13.7	18.9	32.8	18.7	6.3	2.7	1.5	3.3	3.6	668	26.9
77 TO 81	9.3	30.9	35.8	7.8	3.7	1.8	.9	1.7	8.8	1198	48.3
72 TO 76	12.7	47.5	29.4	2.0	.8		.2	1.2	6.2	497	21.0
67 TO 71	15.7	72.5	10.0						2.7	40	1.6
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	11.0	30.8	33.0	9.9	3.9	1.7	1.0	2.0	6.6	2480	100.0

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1444 4432 54324

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

1. ST. FL

JANUARY 1973-DECEMBER 1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	4.4	7.1	33.8	31.3	16.9	3.6	1.1	1.3	2.1	105	4.1
77 TO 81	6.4	19.2	34.7	23.2	4.8	1.9	1.4	1.0	2.1	798	33.3
72 TO 76	11.4	30.8	34.9	5.8	.8	.3	.6	2.2	4.1	868	37.4
67 TO 71	24.1	57.7	10.1	.3	.3	.3	.2	.5	4.1	367	15.1
62 TO 66	24.6	67.7	3.1				.8	.	3.1	130	5.4
57 TO 61	12.5	1.3	6.3							14	.7
52 TO 56			100.0							1	.0
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.1	34.4	30.8	12.5	3.0	1.1	1.2	1.7	3.2	240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

ST. FL

JANUARY 1977-DECEMBER 1982

DECEMBER

STATION NAME

YEARS

MONTH

NO. OF

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86			17.0	29.3	21.3	27.7	4.3			47	1.9
77 TO 81	2.4	5.1	20.1	31.2	20.3	7.6	1.1	.6	1.3	440	19.1
72 TO 76	7.5	30.6	32.7	21.9	7.6	3.5	2.6	1.4	2.4	777	31.4
67 TO 71	22.5	48.9	13.9	2.3	.8	1.3	2.6	5.6	2.0	605	24.4
62 TO 66	29.8	46.7	12.4	.3	.5		.3	6.6	3.2	370	15.3
57 TO 61	35.4	42.1	12.2		.6			3.7	6.1	164	6.6
52 TO 56	29.6	51.7	9.3				1.9	1.9	5.6	4	2.2
47 TO 51	100.0									7	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-57 & LWR											
TOTALS	15.9	30.4	22.3	13.7	6.8	3.3	1.9	3.3	2.5	2478	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 1 1ST, FL YEAR JANUARY 1973-DECEMBER 1982 MONTH ALL

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		10.0		5.0							
87 TO 91	4.7	3.4	19.4	39.8	18.5	6.0	3.0	3.2	2.0	2131	7.7
82 TO 86	4.3	5.6	25.7	35.1	17.2	4.5	2.4	2.8	4.5	7538	25.6
77 TO 81	5.1	11.9	28.7	25.5	13.7	4.4	2.4	3.2	7.0	8311	28.5
72 TO 76	5.1	20.3	33.7	19.7	7.0	2.2	1.9	3.1	3.6	5779	19.8
67 TO 71	0.1	36.5	22.4	5.1	2.6	1.1	2.5	6.2	3.6	2717	9.3
62 TO 66	1.2	44.3	11.7	.8	.5		.9	7.1	3.1	1544	5.3
57 TO 61	77.5	40.5	6.4	.2	.3	.1	.6	6.4	5.9	871	3.0
52 TO 56	35.9	52.4	6.2			.4	.4	1.8	2.9	273	.9
47 TO 51	4.3	3.4	5.7					4.3	2.2	46	.2
42 TO 46	3.3	66.7									.4
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											
-24 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	7.5	16.6	75.9	23.4	17.6	3.4	2.2	3.4	4.3	24208	100.0

NAVWEASERVCOM

NOON, Federal Building
Asheville, N. C.

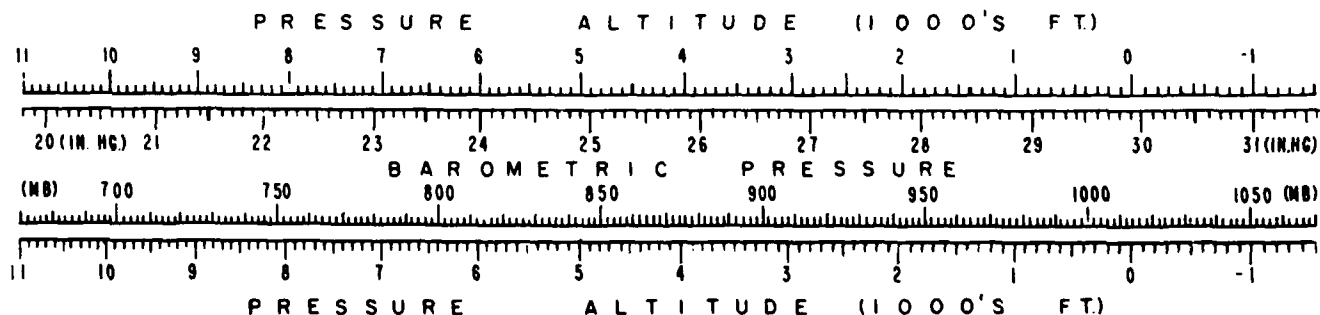
PART F

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

17 KEY WEST, FL

12-80

STATION		STATION NAME												YEARS													
HRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL	
		MEAN	1019.3	1019.3	1017.7	1017.3	1015.0	1016.1	1017.4	1016.6	1014.7	1015.1	1017.1	1016.7	1017.7												
		S. D.	3.591	3.299	3.266	3.241	2.260	2.110	1.503	2.026	2.137	2.371	2.736	2.944	3.001												
		TOTAL OBS	309	292	31	300	31	300	310	310	300	310	300	310	309												
		MEAN	1018.6	1018.3	1016.6	1016.3	1014.2	1015.2	1016.5	1015.7	1013.4	1014.3	1016.4	1016.0	1016.2												
		S. D.	3.647	3.319	3.295	3.262	2.24	2.355	1.461	2.30	2.116	2.364	2.766	2.942	3.100												
		TOTAL OBS	309	292	310	300	31	300	310	310	300	310	300	310	309												
		MEAN	1019.2	1018.2	1017.6	1017.4	1015.2	1016.2	1017.3	1016.5	1014.7	1015.3	1017.4	1016.7	1017.7												
		S. D.	3.600	3.357	3.359	3.296	2.285	2.123	1.470	2.039	2.175	2.388	2.781	3.076	3.100												
		TOTAL OBS	309	292	310	300	310	300	310	310	300	310	300	310	309												
		MEAN	1018.0	1018.6	1018.9	1018.5	1016.1	1017.1	1018.3	1017.9	1015.9	1016.4	1016.6	1020.2	1018.2												
		S. D.	3.710	3.403	3.376	3.358	2.344	2.121	1.507	2.026	2.157	2.399	2.866	3.100	3.209												
		TOTAL OBS	309	292	31	300	310	300	310	310	300	310	300	310	309												
		MEAN	1018.6	1018.7	1018.2	1017.8	1015.6	1016.7	1018.1	1017.1	1015.1	1015.2	1017.1	1016.7	1017.4												
		S. D.	3.677	3.325	3.315	3.399	2.330	2.136	1.497	2.049	2.174	2.390	2.780	3.040	3.115												
		TOTAL OBS	309	292	310	300	310	300	310	310	300	310	300	310	309												
		MEAN	1018.4	1018.1	1016.6	1016.3	1014.3	1015.5	1016.8	1015.6	1013.7	1014.1	1016.1	1017.6	1016.1												
		S. D.	3.602	3.324	3.365	3.423	2.301	2.137	1.507	1.691	2.083	2.423	2.736	2.969	3.001												
		TOTAL OBS	309	292	310	300	31	300	310	310	300	310	300	310	309												
		MEAN	1018.0	1018.6	1017.3	1016.5	1014.4	1015.7	1017.0	1015.9	1014.1	1014.7	1017.0	1016.4	1016.5												
		S. D.	3.835	3.335	3.286	3.394	2.247	2.170	1.466	1.996	2.13	2.375	2.790	2.916	3.111												
		TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	310	309												
		MEAN	1018.9	1019.7	1018.1	1017.8	1015.6	1016.8	1017.9	1017.1	1015.4	1015.8	1017.9	1019.3	1017.6												
		S. D.	3.551	3.353	3.202	3.317	2.220	2.110	1.510	2.22	2.168	2.386	2.793	2.915	3.066												
		TOTAL OBS	310	292	310	300	310	300	310	310	300	31	300	299	309												
		MEAN	1018.4	1018.2	1017.6	1017.2	1015.3	1016.2	1017.4	1016.5	1014.7	1015.1	1017.2	1016.7	1017.7												
		S. D.	3.606	3.419	3.30	3.414	2.372	2.197	1.614	2.129	2.261	2.491	2.974	3.071	3.191												
ALL HOURS		TOTAL OBS	2474	2256	246	2400	2460	2400	2480	2480	2400	2480	2400	2478	2929												

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION EST. FL

13-52

STATION		STATION NAME											YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN		30.026	30.025	30.050	30.035	29.969	30.002	30.038	30.016	29.968	29.972	30.032	30.075	30.029
S. D.		.106	.098	.097	.095	.067	.094	.045	.060	.064	.070	.061	.058	.071
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.076	30.066	30.016	30.006	29.946	29.976	30.012	29.988	29.933	29.948	30.012	30.058	30.008
S. D.		.108	.099	.098	.096	.067	.063	.044	.060	.063	.070	.062	.057	.071
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.024	30.021	30.041	30.039	29.976	30.003	30.037	30.013	29.958	29.977	30.039	30.077	30.029
S. D.		.109	.099	.100	.097	.068	.064	.044	.060	.065	.071	.062	.060	.072
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.145	30.134	30.094	30.071	30.002	30.030	30.067	30.044	29.992	30.010	30.078	30.123	30.065
S. D.		.109	.101	.100	.099	.070	.064	.045	.060	.065	.071	.063	.092	.065
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.124	30.106	30.062	30.052	29.987	30.019	30.059	30.031	29.972	29.975	30.032	30.078	30.029
S. D.		.107	.099	.098	.101	.068	.065	.044	.061	.065	.071	.062	.091	.065
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.068	30.061	30.017	30.008	29.947	29.983	30.021	29.988	29.929	29.942	30.003	30.046	30.001
S. D.		.108	.098	.100	.101	.069	.065	.045	.059	.061	.072	.061	.069	.072
TOTAL OBS		300	282	310	300	310	300	310	310	300	310	300	310	3651
MEAN		30.026	30.026	30.027	30.014	29.952	29.989	30.027	29.996	29.942	29.961	30.027	30.068	30.014
S. D.		.104	.099	.098	.100	.067	.063	.044	.060	.064	.071	.062	.066	.072
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
MEAN		30.115	30.106	30.061	30.050	29.986	30.021	30.056	30.031	29.980	29.994	30.055	30.095	30.046
S. D.		.105	.099	.095	.098	.066	.064	.045	.060	.065	.071	.063	.066	.071
TOTAL OBS		310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.082	30.045	30.034	29.971	30.003	30.040	30.013	29.958	29.972	30.035	30.078	30.029	30.029
	S. D.	.109	.101	.101	.070	.066	.046	.064	.067	.074	.065	.091	.074	.074
	TOTAL OBS	2474	2256	2480	2400	2480	2400	2480	248	2400	2480	2400	2478	2923

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