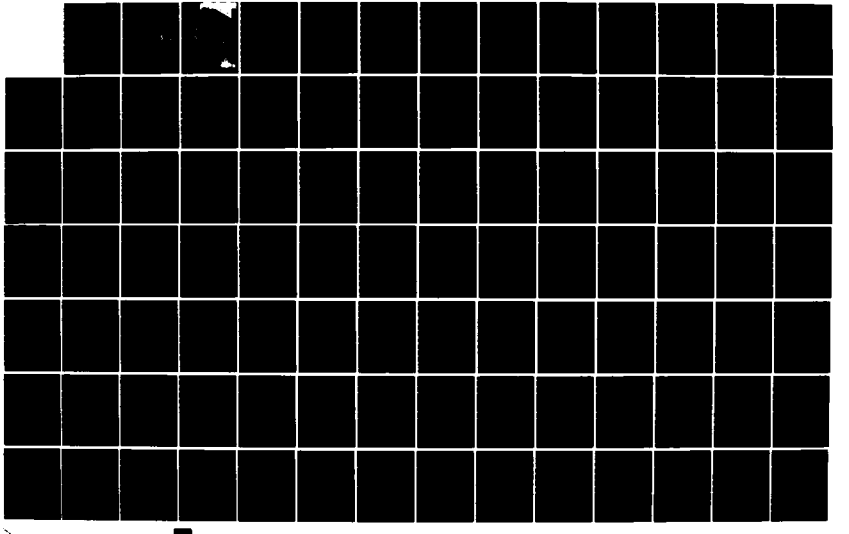
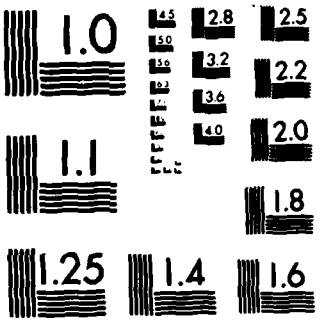
AD-A150 398 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

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NATIONAL BUREAU OF STANDARDS-1963-A

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SMOS, Whidbey Island, Wa. Aug 1984

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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFA

STATION: #24255 Whidbey Island, WA

PERIOD: HOURLY 1/73-12/82
DAILY 4/45-12/82

JOB NO. 72006 DATE August 1984

[illegible] BY
[illegible] OCEANOGRAPHY
[illegible] DETACHMENT,
[illegible] BUILDING
[illegible] NAS 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE *(and Subtitle)* Summary of Meteorological Observations, Surface (SMOS) Whidbey Island, WA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982 6. PERFORMING ORG. REPORT NUMBER
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18. SUPPLEMENTARY NOTES

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

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

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

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

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
24255	Whidbey Island, Washington	48°21'N	122°40'W	47	KNUW	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather service office in ops bldg	Navy	*1949	1955	48°21'N	122°40'W	25	Tonnelot	24
2.	In penthouse above main portion of the roof of new ops bldg	"	1955	1965	"	"	54	"	24
3.	Weather service office, bldg #385	"	1965	1973	"	"	32	Fortin	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop Operations bldg	3-cup Selsyn	Double Register	-	* Earlier documentation not available.
2.	1955	Atop "Penthouse" located atop of the main portion of new ops bldg	"	"	58'	1. Barometer, aneroid (ML-448/UM) 2. Barograph (BELFORT) 3. Automatic met sta (AN/GMQ-29) 4. Ceiling light 5. Cloud height set (AN/GMQ-13B) 6. Transmissometer (AN/GMQ-10)
3.	1959	Both selsyn and double register anemometers removed and replaced with AN/UMQ-5 which is located 2800' from the ops bldg on a bearing of 059°	AN/UMQ-5	RD-108B	13'	
4.	1963	Runway intersection	AN/UMQ-5C	RD-108	13'	

NOCD, Federal Building

NOCD, Federal Building
Asheville, N. C.

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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WEATHER CONDITIONS

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.
TOTALS													

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	JAN

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.
[illegible]	[illegible]		14.2		3.2		17.7	17.1	.4			17.1	71
	[illegible]		16.5		3.2		18.4	21.5				20.3	310
	[illegible]		15.[illegible]	.3	1.2		15.[illegible]	16.4				16.8	310
	10		14.2		3.1		17.7	12.2	.3			12.6	31[illegible]
	1[illegible]		13.2		3.5		16.1	10.3	.6			12.6	7[illegible]
	1[illegible]		17.7		2.6		[illegible]	[illegible]	.4			[illegible]	31[illegible]
	1[illegible]		15.5		3.2		16.4	11.3	1.3			11.6	310
	[illegible]		14.2		2.2		17.1	13.2	1.3	.3		14.2	31[illegible]
TOTALS			14.[illegible]	[illegible]	2.[illegible]		17.7	13.[illegible]	.5	.[illegible]		14.1	2427

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

[illegible] AND FREQUENCY OF PRECIPITATE 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.
[illegible]	[illegible]		14.7		1.[illegible]		17.7	11.1	.9			12.1	[illegible]
	[illegible]		13.6		1.1		17.3	15.2	.7			15.2	360
	[illegible]	.4	20.6		2.1		21.6	13.9	.7			13.5	[illegible]
	[illegible]		13.9		2.1		15.2	1[illegible].6	.7			11.6	[illegible]
	[illegible]		15.2		1.[illegible]		16.7	7.4	1.[illegible]			6.2	[illegible]
	[illegible]		14.[illegible]		1.1		15.2	[illegible].7	.7			[illegible].4	[illegible]
	[illegible]		18.4		1.1		1[illegible].1	7.4	1.4			[illegible].5	[illegible]
	[illegible]		13.1		1.1		14.2	.9	.4			5.9	[illegible]
TOTALS		.1	1[illegible].4		1.[illegible]		17.[illegible]	1[illegible].2	.9			10.7	2[illegible]5

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WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

[illegible]

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.
TOTALS													

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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.
					.7								
									.4				
					.7								
								.7				.7	
TOTALS					.1								

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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.
TOTALS													

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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.
TOTALS													

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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.
J L	[illegible]		[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	.6	7.8				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	.3	[illegible]				[illegible]	[illegible]	.3			[illegible]	[illegible]
	[illegible]	.3	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	.3	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	.3	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]	.3	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
TOTALS		.4	[illegible]				[illegible]	[illegible]	.1			[illegible]	[illegible]

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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.
TOTALS													

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	SEP

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.
[illegible]	[illegible]		3.3				[illegible]	10.3				1.3	[illegible]
	[illegible]	.3	11.7				11.7	21.[illegible]				21.0	[illegible]
	[illegible]		[illegible].7				[illegible].7	25.7	1.[illegible]			25.7	[illegible]
	[illegible]		10.3				10.3	15.7	.7			15.7	[illegible]
	[illegible]	.3	7.3				7.3	[illegible].7	1.3			7.[illegible]	[illegible]
	[illegible]	.3	5.7				5.7	[illegible].7				3.7	[illegible]
	[illegible]		6.[illegible]				6.[illegible]	[illegible].7	.7			5.3	[illegible]
	[illegible]		4.3				4.3	6.[illegible]	.3			6.[illegible]	[illegible]
TOTALS		.1	7.4				7.4	11.7	.[illegible]			11.[illegible]	24[illegible]

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WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

[illegible] PAGE FOR EACH 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.
[illegible]	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
TOTALS			[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	[illegible]

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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.
TOTALS													

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WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FOR 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.
[illegible]	[illegible]	.2	15.6		1.[illegible]		17.1	1[illegible].6	.3			11.[illegible]	71[illegible]
	[illegible]		14.[illegible]		1.[illegible]		15.2	[illegible].4				[illegible].6	71[illegible]
	[illegible]		18.1		1.[illegible]		19.[illegible]	1[illegible].3				1[illegible].[illegible]	71[illegible]
	1[illegible]		18.7		.[illegible]		19.4	1[illegible].3				1[illegible].3	71[illegible]
	1[illegible]		17.4		.[illegible]		17.7	7.1				7.1	71[illegible]
	1[illegible]	.2	10.[illegible]		1.3		17.[illegible]	[illegible].6				6.[illegible]	3[illegible]
	1[illegible]		[illegible].1		1.6		21.[illegible]	[illegible].1	.3			[illegible].4	[illegible]
	[illegible]		1[illegible].4		1.[illegible]		18.[illegible]	[illegible].1				9.1	7[illegible]9
TOTALS		.1	17.4		1.1		18.[illegible]	[illegible].[illegible]	.1			[illegible].4	2[illegible]7

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.
	ALL												
TOTALS													

NAVWEASERVCOM

4431-84321

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 (STATION) | WHIDBEY ISLAND, WA (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | JANUARY (MONTH) | (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.[illegible]	1.3				6.6			1.3					90.8
NNE	2.[illegible]		2.6			5.1			12.8					84.6
NE						20.0			16.0		4.0			68.0
ENE	4.5					9.[illegible]			9.0					90.6
E	2.3	1.0	.2	.2		3.7			12.4	1.7	.2			76.3
ESE	12.3	1.2	3.2		.2	2.2			16.2	.4	1.0			70.7
SE	18.5	.9	2.8			1.7			14.0		.3	.3		69.2
SSE	16.6	3.9	1.5			1.0			7.8					74.6
S	21.5	10.3	3.8		1.3	1.3			9.0	2.6	2.6			52.6
SSW	27.8	11.1				5.6			22.2	5.6	5.6			38.9
SW	16.7	16.7	8.3						16.7					66.7
WSW	5.4	2.7							2.7	2.7				86.5
W	12.9	3.4	1.7						7.8		.9			80.2
WNW	2.0	6.0				10.0			2.0					80.0
NW	12.5		2.1			4.2			6.3	2.1				77.1
NNW			3.8						3.9					96.1
VARIABLE														
CALM	4.5	1.2	3.2			2.7			31.6	.5	.5			70.4
TOTAL	273	47	52	1	2	72			328	16	14	1		1822
% TOTAL	11.[illegible]	1.9	2.1	.0	.1	2.9			13.2	.6	.6	.0		73.5

TOTAL NUMBER OF OBSERVATIONS 2,490

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2[illegible]55 — STATION
H[illegible]MEY ISLAND, [illegible]A — STATION NAME
JANUARY 1973-DECEMBER 1982 — YEARS
FEBRUARY — MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.3	1.9	1.9			1.9			13.2					75.5
NNE	3.3					3.3			13.3					80.0
NE	6.3				3.1	6.3			15.6					75.0
ENE	2.4	2.6	2.6						9.1					87.2
E	9.3	4.2	2.5			2.8		.4	11.2	.4	1.1			74.3
ESE	11.7	2.7	2.7			1.9			16.1	.5	.3			70.6
SE	16.3	3.5	1.6			.8			4.5		.5			74.4
SSE	14.	5.0	.4			.8			4.3		.8			77.9
S	9.9	7.6				.8			4.6		.8			78.6
SSW	5.	20.0				5.0			5.0					70.0
SW	15.3	10.5	10.5			5.3			15.6		5.3			57.9
WSW	14.1	11.1							3.7					74.1
W	10.3	5.6							2.6					82.3
WNW	7.8	5.9				1.5			8.6		1.5			76.5
NW	5.6					1.9			9.6		3.7			85.2
NNW	1.9								5.7					92.5
VARIABLE														
CALM	~~.9~~	~~.9~~	~~3.0~~			~~1.2~~			~~14.6~~	~~2.4~~	~~1.8~~			~~71.6~~
TOTAL	251	62	38		1	33		1	219	11	19			1697
% TOTAL	11.1	3.6	1.7		.0	1.5		.0	9.7	.5	.8			75.2

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

4431-54321

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2-255 (STATION) | WHIDBEY ISLAND, WA (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | MARCH (MONTH) | (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.2	1.2	1.2		1.2				1.2					95.1
NNE														100.0
NE	9.1	9.1	9.1											72.7
ENE	13.[illegible]	4.2							[illegible].3					83.3
E	13.[illegible]	2.1							6.7	1.0				82.6
ESE	11.[illegible]	2.3				.8			5.2	.4	.4			80.2
SE	11.	4.5	.3						1.0	1.0				81.5
SSE	7.6	3.3				.3			.3					88.4
S	14.7	8.7				2.0			4.7					73.3
SSW	14.3	9.5												76.2
SW	9.6	8.6												82.9
WSW	16.[illegible]	8.[illegible]							6.0					74.0
W	4.5	3.7							.7					91.9
WNW	7.1	5.2							3.1					89.7
NW	6.[illegible]	.9							2.6					91.2
NNW	4.3	2.6	.7						2.6					92.3
VARIABLE														
CALM	1.5	1.9	.3						4.7	2.2	.5			82.0
TOTAL	196	89	5		1	6			95	14	4			2106
% TOTAL	6.6	3.6	.2		.0	.2			3.8	.6	.2			84.9

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 (STATION) | [illegible] ISLAND, SA (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | APRIL (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.1		2.4											92.9
NNE														100.0
NE														100.0
ENE														100.0
E	3.0	6.0	.7						2.2	.7				87.3
ESE	5.7	2.3	.6			.6			5.3	.5				84.1
SE	13.1	5.3							1.4					75.6
SSE	14.3	5.1	.4						2.1					79.6
S	5.3	5.3							.7					88.7
SSW	17.0	3.3							2.8					75.0
SW	2.4	3.7							2.4	1.2				92.7
WSW	7.3	3.9							.8					89.1
W	6.2	3.7	.5		.2				.9					91.8
WNW	2.1	1.8							1.3		.4			93.4
NW	.7	2.3							2.7					93.5
NNW	3.7		1.3			1.3			3.9					92.1
VARIABLE														
CALM	4.4	1.2	.3						5.5	.9				86.5
TOTAL	113	79	8		1	2			59	6	1			2106
% TOTAL	6.1	3.3	.3		.1	.1			2.5	.3	.0			87.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

4431-64321

24255	[illegible] ISLAND, LA	JANUARY 1973-DECEMBER 1982	MAY	[illegible]
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	7.1												85.7
NNE														100.0
NE														100.0
ENE	11.1													88.9
E	[illegible]	4.2							[illegible].1					[illegible].3
ESE	14.[illegible]	3.9	2.9						[illegible].5	.8				75.2
SE	1[illegible].[illegible]	5.7	1.4						4.3					73.[illegible]
SSE	[illegible].[illegible]	4.4							.6		.6			84.4
S	1[illegible].[illegible]	4.7	3.5						[illegible].1					77.9
SSW	1[illegible].3	7.4							5.9		1.5			77.9
SW	1[illegible].4	3.1	3.1						4.9					82.9
WSW	4.5	1.7	1.7						[illegible].1	.7				[illegible].6
W	[illegible].2	4.[illegible]	.9					.[illegible]	2.2		.2			92.[illegible]
WNW	1.7	1.3							2.7		.3			94.3
NW	[illegible].[illegible]	1.[illegible]							[illegible].1					92.9
NNW	[illegible].1	6.3							[illegible].3					85.4
VARIABLE														
CALM	[illegible].[illegible]	[illegible].[illegible]	.3						[illegible].3	.7				[illegible].[illegible]
TOTAL	15[illegible]	[illegible]1	24					1	[illegible]4	[illegible]	4			216[illegible]
% TOTAL	[illegible].4	3.3	1.[illegible]					.0	3.4	.2	.2			87.4

TOTAL NUMBER OF OBSERVATIONS [illegible],4[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24256 | HICKEY ISLAND, GA | JANUARY 1973-DECEMBER 1982 | JUNE
STATION | STATION NAME | YEARS | MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.6	23.1							7.7					61.5
NNE														
NE														100.0
ENE	27.3													72.7
E	13.9	5.4	1.4						5.4					78.4
ESE	25.7	5.0							4.0					69.3
SE	21.3	4.8	2.9						5.7		1.0			68.6
SSE	7.3	2.1	1.0						5.3		1.0			87.5
S	5.1	6.4	1.3						2.6					95.9
SSW	2.4	5.2	5.2						10.4					79.2
SW	7.4	3.3	1.7						4.2					82.6
WSW	3.5	1.7	2.0						5.8					89.0
W	.9	1.4	.7					.2	2.9					94.9
WNW	2.3	1.5							3.0					93.2
NW	2.3	2.3							1.1	1.1				93.2
NNW	2.2	2.2												95.6
VARIABLE														
CALM	4.4	2.3	2.0						4.2					88.9
TOTAL	136	64	31					1	104	1	2			2105
% TOTAL	5.7	2.7	1.3					.0	4.3	.0	.1			87.7

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

4431-84321

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 (STATION) | HI[illegible]SEY ISLAND, WA (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | JULY (MONTH) | (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1								7.1					92.9
NNE														
NE									33.3					66.7
ENE	16.7		1[illegible].7						16.7					83.3
E	[illegible]								7.3					92.7
ESE	7.4	5.9	1.5						1.5					85.3
SE	13.[illegible]	7.2	1.4						4.3					76.8
SSE	10.2	5.9							4.4					76.5
S	2.7	5.3							3.7					89.3
SSW		6.7						1.1	11.2					83.1
SW	1.[illegible]	2.3	.4					.8	13.7					81.3
WSW	1.7	2.[illegible]	2.[illegible]					.3	[illegible].0	.3				87.7
W	[illegible].2	1.5	.7					.5	5.6					93.8
WNW	.[illegible]		.7					.4	4.6	.4				94.3
NW	3.[illegible]								2.4		.8			94.4
NNW	4.3	2.2						2.2	[illegible].7	2.2				87.[illegible]
VARIABLE														
CALM	[illegible].[illegible]	2.5	1.3						3.5	.3				90.7
TOTAL	[illegible]	56	22					9	157	4	1			2195
% TOTAL	3.[illegible]	2.3	.9					.4	6.3	.2	.0			88.5

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2x25* / STATION — [illegible] ISLAND, AA / STATION NAME — JANUARY 1973-DECEMBER 1982 / YEARS — AUGUST / MONTH — [illegible] / HOURS (EST)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									[illegible]					95.3
NNE									50.0					50.0
NE														100.0
ENE										12.5				87.5
E	[illegible].7	4.3	2.2						4.3					84.8
ESE	[illegible].3	4.0	4.0						13.3	1.3				77.3
SE	6.6	9.3	.9						7.5					76.6
SSE	[illegible].2	6.3	3.5						[illegible].5					78.2
S	4.4	5.6	3.3						11.1					83.3
SSW	[illegible].1	2.1	3.1						2[illegible].9					67.0
SW	[illegible].3	3.4	1.5						21.6	.5	.5			72.1
WSW	2.1	1.9	1.4						19.7	.4	.7			75.7
W	1.7	.9	1.3						10.3	.6	.2			86.9
WNW		1.1	1.5						6.9		.4			92.0
NW		.9	1.8						11.8		.9			87.3
NNW	[illegible].1		1.5						4.6		1.5			90.8
VARIABLE														
CALM	[illegible].6	1.2	1.6						10.5	.6				85.7
TOTAL	74	57	44						306	10	7			2050
% TOTAL	[illegible].[illegible]	2.3	1.6						12.4	.4	.3			82.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2[illegible]5 STATION | HI[illegible]EY ISLAND, [illegible]A STATION NAME | JANUA[illegible]Y 1973-D[illegible]CEMBER 1982 YEARS | SEPTEMBER MONTH | [illegible] HOUR

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	[illegible] WEATHER
N		3.1							[illegible].4					93.6
NNE	[illegible].[illegible]										12.5			62.5
NE														
ENE									4.2	4.2				91.7
E	6.7	3.4							5.9	1.7				82.4
ESE	10.3	2.2	1.1					1.1	8.1	.5	.5			79.5
SE	14.[illegible]	5.5	.5					.5	5.5	.5	.5			75.[illegible]
SSE	7.2	7.2	3.3						[illegible].2	.7	.7			76.5
S	3.3	[illegible].9	2.2						15.4					74.7
SSW	[illegible].1	3.3							15.2					78.8
SW	[illegible].1	3.8	1.3						7.7					83.3
WSW	[illegible]	2.4	2.4						15.9		.8			80.2
W	2.3	.8	.8						[illegible].4					88.7
WNW	[illegible]		.5						10.8		.5			88.7
NW	.7	.7							9.4	2.7	.7			87.2
NNW	2.[illegible]	4.2							11.1	1.4				83.3
VARIABLE														
CALM	[illegible].2	.9	.8						[illegible].3	3.6	.5			[illegible].1
TOTAL	97	59	22					3	246	34	10			1976
% TOTAL	4.[illegible]	2.5	.9					.1	10.3	1.4	.4			82.4

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[redacted] (STATION) [redacted] (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) OCTOBER (MONTH) [redacted] (HOUR - GMT)

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									17.1	4.9				78.0
NNE		11.1									11.1			77.8
NE	14.3								14.3					85.7
ENE		12.2	9.1						9.1					72.7
E	6.7	1.0	.5						19.7	6.7	1.9			67.3
ESE	9.5	1.5	1.2						21.5	1.2	2.8			69.6
SE	12.3	3.9	1.8						8.7	.6	1.5			73.8
SSE	9.2	7.7	1.2						3.8		.8			78.1
S	8.1	5.3	.9						9.1	.9	1.8			75.7
SSW	6.3	6.3	6.3						6.3					81.3
SW	9.5	2.4							19.0					69.0
WSW	9.0	1.7							19.0		1.7			72.4
W	7.6	1.2	.6						8.8		1.8			84.8
WNW	4.7	2.7	1.4						13.5		2.7			79.1
NW	2.7	2.5							7.6		1.7			87.4
NNW	3.								14.7		2.7			74.7
VARIABLE									66.7					33.3
CALM	4.1	.3	1.1						26.8	5.2	3.3			64.5
TOTAL	143	65	26						385	51	53			1809
% TOTAL	6.4	2.6	1.0						15.5	2.1	2.1			72.9

TOTAL NUMBER OF OBSERVATIONS 2,489

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 (STATION) — CHINCOTEAGUE ISLAND, VA (STATION NAME) — JANUARY 1973-DECEMBER 1982 (YEARS) — NOVEMBER (MONTH) — (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	1.3	1.3			3.[illegible]			10.1					84.8
NNE	[illegible].3					4.7			[illegible].3	2.3				76.7
NE	[illegible]1.1					5.[illegible]			2[illegible].3					57.[illegible]
ENE	4.[illegible]	2.4							7.1					85.7
E	5.[illegible]	2.9	1.3			1.0			10.8	1.9				78.7
ESE	11.2	1.3	.4			.9			14.3	.7				75.3
SE	[illegible].[illegible]	3.1	.3			.5			7.3	.3	.5			75.7
SSE	17.[illegible]	6.7	.3						4.2		.3			73.7
S	13.[illegible]	[illegible].7				1.0			1.9					76.9
SSW	[illegible].7	25.[illegible]												58.3
SW	[illegible]2.2		11.1						11.1					55.6
WSW	11.1	14.8							7.4					70.4
W	[illegible].6	6.5							7.5					81.3
WNW	[illegible].3	3.5							3.[illegible]					87.7
NW	[illegible].7	4.4							17.8					75.6
NNW	1.[illegible]	1.3	1.8						[illegible].9					89.3
VARIABLE														
CALM	[illegible]	[illegible].4	[illegible].[illegible]						[illegible].8	[illegible].4	[illegible].2			[illegible].7
TOTAL	24[illegible]	33	18			16			369	16	7			1926
% TOTAL	12.[illegible]	3.5	.8			.7			11.2	.7	.3			76.1

TOTAL NUMBER OF OBSERVATIONS 2,[illegible]00

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

2[illegible] (STATION) HI[illegible]EY ISLAND, IA (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (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[illegible].1					2.[illegible]			7.[illegible]					9[illegible].[illegible]
NNE	9.[illegible]					4.5			4.5					[illegible]6.4
NE	[illegible].[illegible]	[illegible].3				7.7								[illegible]4.6
ENE	11.[illegible]	[illegible].4				4.[illegible]			[illegible].[illegible]					76.[illegible]
E	7.[illegible]	1.[illegible]	2.4		.[illegible]	1.5			7.[illegible]	.[illegible]				[illegible]7.2
ESE	1[illegible].[illegible]	1.3	1.5			.[illegible]			11.2	.6				74.6
SE	[illegible].1	3.2	1.1			.6		.4	6.6	.[illegible]	.2			72.[illegible]
SSE	1[illegible].4	5.4	1.1			1.1			5.[illegible]					72.9
S	[illegible]5.[illegible]	16.3				1.1			[illegible].7		1.1			[illegible]4.3
SSW	[illegible].1					9.1								[illegible]1.8
SW	17.[illegible]	17.6							11.[illegible]					55.[illegible]
WSW	[illegible].1	3.4							6.9					72.4
W	[illegible].5	3.9	1.3						[illegible].2					[illegible]9.[illegible]
WNW	[illegible].6	4.2				1.4			4.2					[illegible]5.9
NW	[illegible].[illegible]	3.1							[illegible].1					[illegible]5.6
NNW	[illegible].[illegible]	5.3							[illegible].3					[illegible]6.[illegible]
VARIABLE														
CALM	[illegible].[illegible]	2.6	[illegible].9			1.[illegible]			1[illegible].9	.[illegible]				[illegible]6.9
TOTAL	[illegible]11	[illegible]5	[illegible]7		1	27		2	211	[illegible]	2			19[illegible]1
% TOTAL	1[illegible].[illegible]	3.4	1.5		.[illegible]	1.1		.1	[illegible].5	.3	.1			76.7

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24232 (STATION) HILLSBOROUGH ISLAND, FLA (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) ALL (MONTH) (HOUR)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	1.7	.7		.2	2.1			[illegible].6	.4				56.9
NNE	[illegible].5	.5	.5			3.7			[illegible].5	.5	1.1			82.8
NE	[illegible].4	1.4	.7		.7	7.1			11.4		.7			76.4
ENE	[illegible].[illegible]	2.2	1.0			2.7			[illegible].[illegible]	.7				83.3
E	[illegible].3	2.6	1.1	.3	.8	1.4		.0	[illegible].6	1.6	.4			76.8
ESE	[illegible].[illegible]	2.1	1.7		.2	.8		.1	12.8	.6	.6			74.5
SE	[illegible].1	3.9	1.2			.5		.1	6.4	.3	.4	.0		74.2
SSE	12.[illegible]	5.5	.9			.3			4.5	.6	.3			78.7
S	10.3	7.9	1.1		.1	.6			[illegible].1	.2	.5			76.5
SSW	[illegible].2	6.6	1.6			.6		.2	12.7	.2	.4			74.7
SW	5.[illegible]	3.7	1.5			.1		.2	10.9	.2	.2			79.6
WSW	4.[illegible]	2.6	1.4					.1	[illegible].6	.3	.2			84.4
W	3.3	2.5	.7		.2			.1	4.6	.1	.2			89.9
WNW	2.4	1.3	.4			.3		.2	[illegible].2	.0	.4			[illegible].4
NW	3.1	1.4	.3			.3			6.1	.5	.6			89.2
NNW	3.[illegible]	1.9	.7			.1		.1	[illegible].5	.3	.4			88.7
VARIABLE									[illegible]6.7					33.3
CALM	[illegible].[illegible]	[illegible].[illegible]	[illegible].6			.4			[illegible]3.3	[illegible].[illegible]	[illegible].8			[illegible]9.8
TOTAL	[illegible]17	947	327	1	6	156		17	2465	176	124	1		23763
% TOTAL	[illegible].4	2.9	1.1	.0	.0	.[illegible]		.1	[illegible].4	.6	.4	.0		81.3

TOTAL NUMBER OF OBSERVATIONS 29,211

NAVWEASERVCOM

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

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

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

4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

4

40629

STATION _____ STATION NAME _____ YEARS _____

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	•	11.1	[illegible]	.4	1.	•	•	•						[illegible]	1 [illegible]	3.2	17.4	•
FEB	1.	•	•	.7	•	.4		.1						2.	1017	1.1	1 .2	•
MAR	•	•	.4	.9	.7	.2	.1	.1						2.	1116	1.2	1 .2	•
APR	•	1.1		.2										•	111	[illegible]	1.	•
MAY	•	•													1 [illegible]	[illegible]	[illegible]	•
JUN	•														11	•	•	•
JUL	•														11	•	•	•
AUG	•														11	•	•	•
SEP	•														11	•	•	•
OCT	•	•													11 [illegible]	[illegible]	[illegible]	•
NOV	•	•	•	.4	.1									•	111	.1	1.	•
DEC	•	•	1.	1.	•	.2	.1	.2	.1					•	11	1.7	1 .1	•
ANNUAL	.1	•	.1	.3	.1	.1	.1	.1	•					1.	13 [illegible]	7.3		

NAVWEASERVCOM

4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible]

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	[illegible]

[illegible]

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]				[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	.24	[illegible]	[illegible]	[illegible]	.27	[illegible]	[illegible]	.76	.57		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.74	[illegible]	[illegible]	[illegible]		[illegible]	.54	
			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.51	[illegible]	[illegible]	.44	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	.77	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	.30		[illegible]	[illegible]	[illegible]	.11	[illegible]	.14	.24	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.31	[illegible]	[illegible]	[illegible]	.16	.65	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.31	.44	[illegible]	[illegible]	.37	[illegible]	[illegible]	.37	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.34	[illegible]	[illegible]	.7	[illegible]	.31	[illegible]	[illegible]	.34	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.31	[illegible]	[illegible]	[illegible]	[illegible]	.17	.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	.43	[illegible]	[illegible]	[illegible]	[illegible]	.11	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	.37	.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.47	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	.47	[illegible]	.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.27	[illegible]	[illegible]	.27	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.17	[illegible]	1.17
[illegible]	[illegible]	[illegible]	[illegible]	.44	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.12	.27	.31	.11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

(IN INCH AMOUNTS TO TENTHS
/BASED ON LESS THAN FULL MONTH/)

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

...PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	[illegible]

...MAXIMUM AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
[illegible]													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible]
(FROM DAILY OBSERVATIONS)

[illegible] HOBBY ISLAND, MA [illegible]
STATION STATION NAME YEARS

[illegible] 24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]
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MEAN	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1[illegible]	1.[illegible]	.[illegible]
S.D.	1.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]
TOTAL OBS.	[illegible]	1017	111[illegible]	111[illegible]	1[illegible]	11[illegible]	11[illegible]	11[illegible]	11[illegible]	11[illegible]	111[illegible]	11[illegible]	13[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible]	WHIDBEY ISLAND, WA	[illegible]
STATION	STATION NAME	YEARS

DAILY SNOW DEPTH IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN													
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TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible] DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] [illegible] [illegible]
STATION | STATION NAME | YEARS

[illegible]

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]													
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MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

DAILY MAX. DEPTH IN INCHES
(A CELL ON LESS THAN FULL MONTH)

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION | STATION NAME | YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
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MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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Monthly						

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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION | STATION NAME | YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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MONTH

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION | STATION NAME | YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION | STATION NAME | YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION | STATION NAME | YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION _____ STATION NAME _____ YEARS _____

MONTH _____

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
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MONTH _____

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

NOCD, Federal Building
Asheville, N. C.

PART C SURFACE WINDS

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

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

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

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

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

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

      (1) Annual - all hours combined

      (2) By month - all hours combined

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

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

C

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible]
(FROM DAILY OBSERVATIONS)

[illegible]	[illegible]	[illegible]
STATION	STATION NAME	YEARS

[illegible]

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

DAILY MEAN COSTS IN KNOTS

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND

(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

DAILY EXTREMES IN MPH
(WHEN OCCURS MORE THAN ONCE INDICATES NUMBER OF OCCURRENCES FOR MONTH)

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

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	JAN

CLASS: ALL WEATHER

CONDITION:

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	•	1.[illegible]	•	•								1.[illegible]	[illegible]
NNE	•	•										1.[illegible]	[illegible]
NE	•	•										1.[illegible]	2.3
ENE	•	1.[illegible]										[illegible].5	2.[illegible]
E	[illegible].7	[illegible].[illegible]	1.[illegible]	•[illegible]								15.[illegible]	[illegible].2
ESE	[illegible].1	[illegible].4	[illegible].[illegible]	1.[illegible]	•[illegible]							[illegible].[illegible]	5.6
SE	[illegible]	[illegible].[illegible]	1.[illegible]	[illegible].[illegible]	•[illegible]	•[illegible]						14.[illegible]	9.4
SSE	1.[illegible]	•[illegible]	1.[illegible]	1.[illegible]	1.3	•[illegible]						7.1	11.[illegible]
S	•	•[illegible]		•[illegible]	•[illegible]							1.[illegible]	[illegible].4
SSW		•[illegible]										•[illegible]	4.5
SW			•[illegible]									•[illegible]	[illegible].[illegible]
WSW		•[illegible]	•[illegible]	•[illegible]	•[illegible]							1.[illegible]	13.4
W	•[illegible]		1.[illegible]	[illegible].[illegible]	1.[illegible]	•[illegible]						5.[illegible]	[illegible].8
WNW	•[illegible]		•[illegible]	1.[illegible]								1.[illegible]	[illegible].[illegible]
NW		•[illegible]		•[illegible]								1.[illegible]	[illegible].3
NNW			•[illegible]	•[illegible]								•[illegible]	[illegible].[illegible]
VARBL													
CALM												[illegible].[illegible]	
	24.[illegible]	[illegible].[illegible]	12.[illegible]	[illegible].[illegible]	[illegible].9	1.[illegible]						100.0	5.[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]19

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JAN

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 04

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JAN

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.	1.	.	.								3.	4.
NNE		.	.									.	5.
NE													
ENE	.	1.		.								1.	4.
E	.	11.	1.	.								12.	4.
ESE	.	9.	3.	.								13.	4.
SE	.	2.	2.	2.	1.							11.	7.5
SSE		1.	1.	2.	.	.						4.1	11.
S	.	1.		.	.							2.	13.6
SSW	.	.										1.	3.
SW	.	.										.	4.5
WSW			.									.	17.
W	.		1.	1.			.					3.	11.
WNW				.								.	11.
NW			.									.	7.
NNW		.	.	.								1.	9.4
VARBL													
CALM												11.	
	21.	33.	12.	10.	2.	.	.					100.	5.1

TOTAL NUMBER OF OBSERVATIONS 112

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JAN

CLASS: ALL WEATHER

HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	1•	1•	•								2•	6•
NNE	1•	•										1•	3.2
NE	•		•									•	4.1
ENE	1•	1•											3.5
E			1•									15•	3.7
ESE		12•		1.3									4.9
SE		4•		4•	1•	•						16•	8.6
SSE	•	1•	1•	3•	•6	•						7•	11.0
S	1•	1•			1•	•						4•	•5
SSW	•											•	2•
SW		•				•						•	13.5
WSW	1•			•	•							1•	5•
W		1•	1•	•4	•	•						3•	11.0
WNW			•	•3								1•	7.7
NW	•	•										1•	4.3
NNW	•		•	•								1•	•3
VARBL													
CALM												12•	
	•	3•	10•	11•	3•	1•						100•	5.7

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS: ALL

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													11.1
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													
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SSE													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL

CLASS

CONDITION

ALL

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: AP

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•	5•
NNE													
NE													
ENE		•										•	•
E	•		•									11•	5•
ESE	•		1•	•								9•	4•
SE	•		2•	1•								7•	6•
SSE	1•	1•	4•	2•	•	•						15•	5•
S	1•	1•	1•	3•	•							6•	6•
SSW	•	•	•									1•	4•
SW		•	1•									2•	5•
WSW	•	•	1•	1•								3•	•
W	1•	2•	1•	2•	•							10•	•
WNW	•	1•	1•	2•	•	•						6•	10•
NW		1•	•									1•	•
NNW	•	•										1•	2•
VARBL													
CALM												2•	
	2••	2••	15•	1••	1•	1•						1••	5•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•		•	1.								1.	10.
NNE		•										•	6.
NE		•	•									1.	5.
ENE													
E	•	1.	•									2.	5.
ESE	1.	1.	1.	1.								3.	5.
SE	•	2.	2.	2.	1.							10.	10.
SSE	•	2.	2.	3.	1.	•						10.	10.
S	•	1.	4.	1.								6.	6.
SSW		•	•		•							1.	10.
SW	•	•	1.									2.	6.
WSW	•	2.	1.	•								4.	6.
W	•	1.	4.	2.	•							17.	6.
WNW	2.	2.	1.	•	1.							12.	6.
NW	1.	3.	1.	•								5.	4.
NNW	1.	1.	2.	1.								6.	6.
VARBL													
CALM												4.	
	1.	33.	30.	14.	4.	•						10.	7.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: AP

CLASS

CONDITION

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		•										•	•
NNE													
NE		•										•	•
ENE													
E		•	•									1.[illegible]	[illegible]
ESE	•	•		1.[illegible]								[illegible]	[illegible]
SE	•	1.[illegible]	[illegible]	1.[illegible]	1.[illegible]							[illegible]	[illegible]
SSE		1.[illegible]	[illegible]	4.[illegible]	1.[illegible]	•						11.[illegible]	11.[illegible]
S		•	•	[illegible].[illegible]	•	•						[illegible]	10.1
SSW		•					•					[illegible]	•
SW	•	1.[illegible]	1.[illegible]									[illegible]	[illegible]
WSW	•	[illegible].[illegible]	1.[illegible]	•								[illegible]	[illegible]
W	•	11.[illegible]	[illegible]	[illegible].[illegible]	1.[illegible]	•						[illegible]	7.[illegible]
WNW	1.[illegible]	1.[illegible]	[illegible].[illegible]	1.[illegible]	•	•						10.[illegible]	7.1
NW	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]									[illegible]	5.7
NNW		•	[illegible].[illegible]	1.[illegible]								[illegible]	[illegible]
VARBL													
CALM												1.[illegible]	
	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	14.[illegible]	[illegible].[illegible]	1.[illegible]	[illegible]					1[illegible].[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	1•	•								7•3	6•7
NNE													
NE													
ENE		•											
E		•										•	•
ESE	•	1•	•	•								•	5•5
SE	•	1•	1•	2•7	•7	•						5•	6•1
SSE		1•	1•	1•	1•7							5•7	11•7
S		1•	4•	1•	•7	•						5•3	11•5
SSW		•		•								1•7	9•7
SW	•	•	1•	•								1•	7•3
WSW	1•	3•7	3•7									4•7	6•5
W	1•	11•7	3•7	4•7	1•	•	•3					2•3	7•6
WNW	1•7	7•3	3•3	1•7	1•3							24•7	7•4
NW	1•3	•	•	•								14•7	7•3
NNW	•	1•7	1•7									3•7	5•2
VARBL												1•7	6•7
CALM													
	10•7	34•3	19•7	14•7	4•7	1•7	•3					100•7	7•6

TOTAL NUMBER OF OBSERVATIONS 7[illegible]C

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: AP

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

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

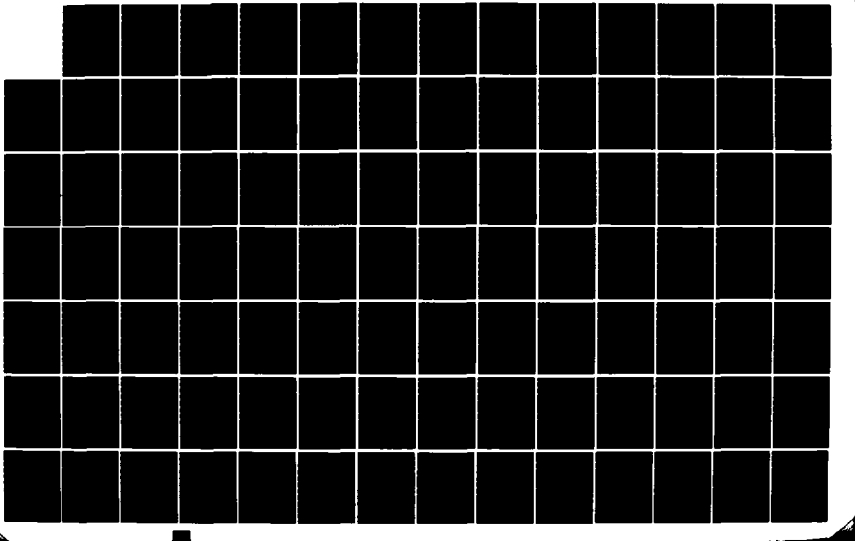
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW				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

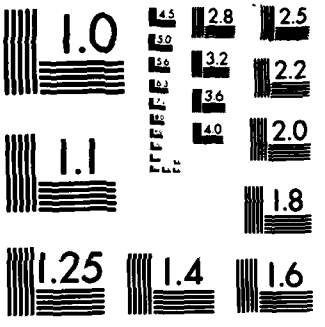
TOTAL NUMBER OF OBSERVATIONS

SMOS

AD-A150 398 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL





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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] ISLAND, [illegible]	[illegible]-[illegible]	MAY

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		•										•	5.0
NNE													
NE	•											•	1.0
ENE	•											•	2.0
E	1.[illegible]	3.[illegible]	•									5.[illegible]	4.3
ESE	[illegible]	4.[illegible]	•	•								6.7	4.4
SE	[illegible]	[illegible]	[illegible]	1.[illegible]	•							9.4	7.3
SSE	1.[illegible]	[illegible]	[illegible]	[illegible]	•	•						10.6	6.1
S	1.[illegible]	[illegible]	1.[illegible]									5.5	5.3
SSW	[illegible]	1.[illegible]	•	•								4.[illegible]	4.7
SW	1.[illegible]	[illegible]	1.[illegible]									6.[illegible]	5.4
WSW	•	[illegible]	[illegible]	•								11.[illegible]	4.6
W	[illegible]	[illegible]	[illegible]	1.[illegible]	•							12.[illegible]	[illegible]
WNW	[illegible]	[illegible]	1.[illegible]	•								7.4	4.6
NW	1.[illegible]	•	•									2.[illegible]	3.1
NNW	1.[illegible]		•									1.[illegible]	4.0
VARBL													
CALM												12.[illegible]	
	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]	[illegible].[illegible]	1.[illegible]	•						1[illegible].[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible] KEY [illegible], [illegible] | [illegible] | MAY
STATION | STATION NAME | YEARS | MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	•									1.0	5.0
NNE													
NE													
ENE	•											•	7.0
E	•	•										1.2	3.2
ESE	•	1.[illegible]	1.[illegible]									2.[illegible]	5.9
SE	•	1.6	2.8	1.2	•							7.1	9.2
SSE		5.2	3.2	3.6								11.3	8.8
S	1.[illegible]	1.[illegible]	1.6	1.[illegible]		•						5.[illegible]	7.6
SSW	•	2.[illegible]	•	•								3.2	5.7
SW	1.[illegible]	2.3	2.6									5.3	5.9
WSW	[illegible]	4.6	3.2									10.[illegible]	5.1
W	1.[illegible]	2.[illegible]	4.2	2.2								10.0	6.1
WNW	[illegible]	12.[illegible]	1.2	.6								16.[illegible]	5.0
NW	•	3.[illegible]	2.2	•								7.7	6.3
NNW	1.[illegible]	1.[illegible]	1.3	•								4.2	5.6
VARBL													
CALM												2.[illegible]	
	17.[illegible]	42.3	25.[illegible]	11.3	.3	•						1[illegible].[illegible]	6.2

TOTAL NUMBER OF OBSERVATIONS 31[illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] KEY ISLAND, FL	[illegible]	MAY

ALL WEATHER
CLASS

CONDITION

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		•	•									•	8.3
NNE													
NE	•											•	2.5
ENE													
E		•										•	5.7
ESE		1.	•									1.	6.5
SE	•	1.	1.		•							3.2	7.4
SSE		1.	5.	2.3	.3	.4						10.0	10.5
S	1.	1.	1.	1.	.3							5.	6.0
SSW			•	•								•	10.0
SW	•	2.	•									3.	5.6
WSW	•	[illegible]	[illegible]	.6								6.7	5.6
W	.5	15.2	5.7	2.3								30.4	6.2
WNW	[illegible]	12.2	4.3	.6	.6							21.5	5.9
NW	1.3	5.	1.9									9.3	5.3
NNW	•	1.	•									2.	5.5
VARBL													
CALM												•	
	11.	40.7	28.4	7.1	1.6	.4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (WHITEBEY ISLAND, WA) [illegible] MAY

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•		•									•	5.6
NNE													
NE													
ENE		•										•	4.0
E	•	•										•	2.5
ESE		•	•									•	6.0
SE		1.	1.		.6							2.9	9.9
SSE		1.	1.	1.6	.6							5.	9.9
S	•	•	•	•	.6							2.6	9.8
SSW	•		•									1.0	7.0
SW	•	1.6	1.	.6								3.	6.7
WSW	1.	4.2	7.7	1.6								15.5	7.1
W	7.2	17.7	11.	1.9	.3							34.	6.4
WNW	2.	11.3	4.	.6	.7	.7						21.	6.1
NW	1.	4.	1.			.						6.	5.8
NNW	1.	1.3	.3									2.	4.5
VARBL													
CALM												1.	
	13.	44.	31.3	6.	2.6	.						100.	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	MAY

CLASS: [illegible]

CONDITION:

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]										[illegible]	2.5
NNE													
NE													
ENE													
E	1.[illegible]	1.[illegible]										1.[illegible]	3.5
ESE		[illegible]	[illegible]	[illegible]								2.[illegible]	5.6
SE	[illegible]		[illegible]	[illegible]	[illegible]							3.[illegible]	[illegible].8
SSE	[illegible]	1.[illegible]	1.[illegible]	1.[illegible]								3.[illegible]	[illegible].2
S			[illegible]	[illegible]								1.[illegible]	11.0
SSW	1.[illegible]	1.[illegible]	[illegible]									3.[illegible]	4.7
SW	[illegible]	[illegible].2	3.[illegible]	[illegible]								10.[illegible]	5.[illegible]
WSW	1.[illegible]	[illegible].[illegible]	4.[illegible]	[illegible]								11.9	5.4
W	[illegible]	[illegible].7	[illegible].[illegible]	3.[illegible]		[illegible]						22.1	6.1
WNW	[illegible].1	[illegible].[illegible]	1.3	[illegible]	[illegible]	[illegible]						13.[illegible]	5.2
NW	1.[illegible]	1.[illegible]	[illegible]	[illegible]								3.[illegible]	4.8
NNW	1.[illegible]	[illegible]										1.[illegible]	2.[illegible]
VARBL													
CALM												15.2	
	2[illegible].1	3[illegible].[illegible]	1[illegible].7	7.4	.6	1.[illegible]						1[illegible].[illegible]	5.[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] CY ISLAND, SC	[illegible]	MAY

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•											•	2.0
NNE													
NE	•		•									•	5.0
ENE	1.0											1.0	2.0
E	1.0	1.3										2.3	3.3
ESE	1.7	.5	1.7	.3								4.2	6.1
SE	1.7	1.3	1.0	.6	.6							4.2	7.5
SSE	1.7	.6	1.4	.3								3.7	6.1
S	•	.7	.6	.3								1.6	6.2
SSW	1.0	1.3	.3									3.0	5.6
SW	2.7	3.6	1.8									8.1	4.6
WSW	5.0	5.2	1.9	1.6								13.2	5.6
W	4.8	4.5	4.2	4.8	.6							19.0	7.5
WNW	1.0	1.0	1.9	.3	.3							5.2	6.9
NW	•	.7		.7								1.7	5.3
NNW	•	1.0	.7		•							2.3	6.0
VARBL													
CALM												27.7	
	23.0	32.3	15.0	7.7	1.9							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] ISLAND, [illegible]	[illegible]	MAY

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• [illegible]	• [illegible]	• [illegible]									• [illegible]	4.[illegible]
NNE		•										• [illegible]	4.[illegible]
NE	• [illegible]		• [illegible]									• [illegible]	2.[illegible]
ENE	• [illegible]	• [illegible]										• [illegible]	2.6
E	[illegible].[illegible]	1.[illegible]	• 1									[illegible].[illegible]	[illegible].1
ESE	1.[illegible]	[illegible].1	• [illegible]	• [illegible]								[illegible].[illegible]	4.8
SE	1.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.4							5.[illegible]	7.8
SSE	• [illegible]	[illegible].1	[illegible].[illegible]	1.[illegible]	• [illegible]	• [illegible]						7.[illegible]	8.4
S	1.[illegible]	1.1	• [illegible]	• [illegible]	• 1	• [illegible]						3.[illegible]	6.6
SSW	1.[illegible]	1.1	• [illegible]	• 1								2.7	4.5
SW	1.[illegible]	[illegible].[illegible]	1.[illegible]	• [illegible]								6.6	[illegible].4
WSW	[illegible].[illegible]	4.4	[illegible].4	• [illegible]								11.[illegible]	5.9
W	[illegible].[illegible]	[illegible].[illegible]	5.6	[illegible].[illegible]	• [illegible]	• [illegible]						[illegible]2.1	6.5
WNW	[illegible].[illegible]	5.[illegible]	[illegible].[illegible]	• [illegible]	• [illegible]	• 1						12.[illegible]	5.8
NW	• [illegible]	[illegible].1	• [illegible]	• 1		• [illegible]						4.[illegible]	5.[illegible]
NNW	• [illegible]	• [illegible]	• [illegible]	• 1	• [illegible]							1.[illegible]	[illegible].0
VARBL													
CALM												[illegible].[illegible]	
	[illegible].1	34.[illegible]	[illegible].4	[illegible].6	1.[illegible]	• 4						1 [illegible].[illegible]	5.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	•											•	2.0
E	•	1.7	•									3.7	3.5
ESE	•	1.7	•	•								5.7	3.9
SE	1.0	2.0	•	•								4.0	6.2
SSE	1.7	•		•								2.7	5.1
S	•		•									3.7	2.6
SSW	•	1.0										4.7	2.7
SW	4.7	5.7	2.0	•								12.7	4.6
WSW	4.7	5.7	3.7									13.7	5.0
W	4.0	4.7	4.7	1.7								14.3	6.1
WNW	•	1.0	1.0	•	•							3.7	9.4
NW	•											•	1.0
NNW	•											•	1.5
VARBL													
CALM												0.0	
	3.7	23.0	12.7	4.7	•							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JUL

CLASS: ALL WEATHER

CONDITION

HOURS (L.S.T.): 04

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•											•	3.5
NNE													
NE	•											•	2.0
ENE	1.											1.5	1.7
E	•	•										2.7	2.5
ESE	•	1.7	•	•								3.7	3.3
SE	•	3.3	1.	•								5.7	4.8
SSE	1.7	2.	•									4.0	3.9
S	•	•										3.7	2.5
SSW	•	1.7										3.7	3.1
SW	3.3	5.7	2.7	.3								12.3	4.7
WSW	•	4.7	4.									12.3	5.2
W	1.7	3.3	2.7	1.3								9.	6.3
WNW	1.7	•	1.	1.3								4.7	6.9
NW	•	•										•	1.0
NNW	•											•	2.
VARBL													
CALM												23.0	
	6.3	23.0	12.7	3.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		•										•	
E	•	1	•	•								2	
ESE	•	1	1	•								3	6.7
SE	•	2	4									6	7.3
SSE	1	3	3	2								7	7.4
S	1	1	1									4	5.6
SSW	•	•										•	3.0
SW	1	4	2									7	5.7
WSW	2	7	2									11	4.9
W	5	15	4	2								27	5.5
WNW	3	12	1	•	•							17	5.3
NW	2	5	1									9	4.5
NNW	•	•	•									1	4.3
VARBL													
CALM												•	
	17	54	20	5	•							100	5.6

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•											•	2•
NNE													
NE													
ENE	•											•	2•
E			•									•	7•
ESE		•	1•									2•	7•
SE		•	•	•	•							4•	••
SSE		1•	•	•7								•7	•3
S	•	•	•	•7								3•	•3
SSW	•	•										•7	3•
SW	•	1•	••									4•7	•7
WSW	1•	•7	•7	1•								1•7	••
W	•	1•7	1•7	•7								1•7	••
WNW	•	1•7	2•	•7								2•7	4•5
NW	1•	4•	1•7									7•	•1
NNW	•	2•3	1•7									4•	••
VARBL													
CALM												1•7	
	1•7	42•7	31•3	7•7	•3							1•0	5•2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JAN

CLASS

CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	•									1.[illegible]	5.2
NNE													
NE													
ENE													
E	•	•										•	3.3
ESE	•		1.[illegible]	•								1.[illegible]	7.4
SE		1.[illegible]	1.[illegible]	•								2.[illegible]	7.6
SSE	•	•	1.[illegible]	1.[illegible]								4.[illegible]	8.5
S	•	1.[illegible]	•									2.[illegible]	4.7
SSW	•	•	•									1.[illegible]	4.8
SW	1.[illegible]	[illegible]	[illegible]	1.[illegible]								[illegible]	7.2
WSW	•	[illegible]	[illegible]	[illegible]								15.[illegible]	6.9
W	•	12.[illegible]	[illegible]	•	•							34.[illegible]	5.7
WNW	[illegible]	[illegible]	[illegible]	•	•							17.[illegible]	5.6
NW	•	[illegible]	•									[illegible]	4.9
NNW	•	[illegible]	1.[illegible]	•								4.[illegible]	5.7
VARBL													
CALM												1.[illegible]	
	[illegible]	44.[illegible]	[illegible]	[illegible]	1.[illegible]							[illegible]	6.8

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS: ALL WEATHER

CONDITION

HOURS (L.S.T.): 02

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.7										1.7	3.0
NNE													
NE													
ENE	.7											.7	1.5
E	.7	1.7	.7									4.1	3.6
ESE	.7	1.7	.7	.3								4.0	4.3
SE	1.4	.3		.7	.3							2.4	7.0
SSE	.7	.7										1.3	3.8
S	1.7	.3		.7								1.7	4.4
SSW	.7	1.7	.7									4.0	3.6
SW	4.7	7.7	3.3	.7								12.3	4.9
WSW	4.7	6.7	3.7	.7								14.3	5.1
W	7.3	7.7	4.7	7.7	.3							31.0	6.3
WNW	3.7	.7	.7	.7								5.7	4.5
NW	1.7											1.7	2.5
NNW	1.7	.3										1.7	2.5
VARBL													
CALM												25.7	
	32.7	24.3	12.7	6.3	.7							100.7	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH J

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	•									•	3.4
NNE													
NE	•											•	2.7
ENE	•	•										•	2.1
E	1.0	1.0	•	•								3.1	3.4
ESE	•	1.1	•	•								4.0	4.7
SE	•	1.5	1.5	•	•							4.4	6.3
SSE	•	1.2	1.2	•	•							4.0	6.9
S	1.0	•	•	•								2.2	4.7
SSW	•	1.2	•									3.2	3.5
SW	•	4.0	2.2	•								10.0	5.2
WSW	2.4	6.4	2.0	•								14.3	5.5
W	2.4	12.2	2.4	1.5	•							23.1	5.7
WNW	2.0	5.2	1.3	•	•							11.1	5.2
NW	1.1	2.1	•									3.2	4.4
NNW	•	•	•	•								1.0	4.6
VARBL													
CALM												12.2	
	2.0	34.3	12.3	4.2	•							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2410

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	JUL

ALL WEATHER
CLASS

[illegible]
CONDITION

01
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	•	•	•									3.7	2.7
ESE	•	1.6										5.[illegible]	2.[illegible]
SE	•	1.[illegible]	•	•	•							2.[illegible]	7.1
SSE	•	•	•		•							1.9	6.2
S	•	•		•								3.[illegible]	[illegible].3
SSW	•	1.[illegible]	1.[illegible]									5.[illegible]	3.[illegible]
SW	•	•	1.[illegible]									13.[illegible]	4.[illegible]
WSW	•	•	4.[illegible]	•								13.[illegible]	5.4
W	•	•	[illegible].2	•								13.[illegible]	5.[illegible]
WNW	•	•	1.[illegible]									3.[illegible]	4.1
NW	•		•									.[illegible]	[illegible].[illegible]
NNW	•	•										1.[illegible]	2.7
VARBL													
CALM												[illegible].[illegible]	
	34.[illegible]	1[illegible].7	1[illegible].[illegible]	1.6	.6							1[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•											•	
NNE													
NE													
ENE	•											•	2.
E	•	1.										•	2.
ESE	•	1.										•	2.4
SE	•	•	1.									3.	4.
SSE	1.	1.	•	•								3.	4.
S	•	1.	•	•								4.	4.
SSW	•	1.	•									6.	3.4
SW	•	1.	2.									12.	4.4
WSW	•	3.	5.									12.	5.
W	•	3.	•	•								6.	4.
WNW	1.	•										2.	2.
NW	1.											1.	2.
NNW	•	•										•	
VARBL													
CALM													
	3	1.	1	1.								1	2.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH J

CLASS ALL WEATHER

CONDITION _____

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	•											•	2.5
NNE													
NE		•										•	4.
ENE													
E			•									•	•
ESE	1.	•	1.									2.	4.9
SE	•	1.	1.	•	•							2.	7.6
SSE	•	1.	1.	1.	•							4.	7.6
S	•	1.	•	•	•							3.	7.3
SSW	•	1.	•									2.	5.1
SW	1.	2.	1.	•								4.	5.5
WSW	•	•	2.									3.	5.5
W	2.4	10.1	4.	•								17.	5.
WNW	•	12.	•									13.	4.9
NW	1.	4.	•									6.	4.3
NNW	•	1.	•									2.	4.3
VARBL													4.
CALM												•	
	21.	55.	15.	2.	1.							100.	5.1

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JUL

CLASS: ALL PARTS

CONDITION

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		•										•	
NNE													
NE													
ENE													
E			•									•	
ESE	•	•	•									1.[illegible]	4.3
SE	•	•	•	•	•							2.[illegible]	7.6
SSE		1.	•	•	•							2.6	7.3
S	•		1.	•	•							2.	11.3
SSW	•	•										•	3.
SW	•	[illegible].	[illegible]	•								6.1	6.9
WSW	•	[illegible]	[illegible]	•								3.	5.7
W	•	[illegible]	[illegible]	•								1.	5.6
WNW	•	1.1	[illegible]									1.1	4.
NW	1.	[illegible]	1.									12.	4.
NNW	1.	1.										1.	4.
VARBL													
CALM												1.	
	1 .	[illegible]	[illegible]	[illegible]	1.							[illegible]	5.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: J L

CLASS: ALL [illegible]

CONDITION

HOURS (L.S.T.): 14

SPEED (KNTS) DIR.	1 - 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	•			•								1.[illegible]	[illegible].3
SE	•		1.[illegible]									1.[illegible]	[illegible].5
SSE	•	•	•	•	•6							2.[illegible]	[illegible].[illegible]
S		•	•	•								1.[illegible]	[illegible].[illegible]
SSW	•		•	•								1.[illegible]	[illegible].[illegible]
SW		1.	[illegible].[illegible]									3.[illegible]	[illegible].[illegible]
WSW	1.	[illegible].5	[illegible].[illegible]	•								12.3	[illegible].[illegible]
W	[illegible].[illegible]	[illegible].[illegible]	11.[illegible]	1.[illegible]								[illegible]1.[illegible]	[illegible].[illegible]
WNW	[illegible].[illegible]	1[illegible].5	•									19.[illegible]	4.4
NW	•	[illegible].[illegible]	1.[illegible]									[illegible].6	4.7
NNW		[illegible].	•									[illegible].2	[illegible].4
VARBL													
CALM												1.[illegible]	
	[illegible].1	[illegible]5.[illegible]	[illegible].[illegible]	[illegible].5	•6							1 [illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]1[illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JUL

CLASS: ALL WEATHER

CONDITION

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		•										•	5.2
NNE													
NE			•									• 3	7.5
ENE													
E		•										•	5.3
ESE	•	•										•	3.7
SE			•	•								1.[illegible]	11.3
SSE	•		•	•								1.[illegible]	5.[illegible]
S	•	•	•									1.[illegible]	4.[illegible]
SSW	1.[illegible]		•									1.[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]	•								11.[illegible]	5.[illegible]
WSW	[illegible]	[illegible]	[illegible]	•								16.[illegible]	4.6
W	1.[illegible]	1[illegible]	4.[illegible]	•								[illegible]	4.7
WNW	•	[illegible]										11.[illegible]	[illegible].6
NW	[illegible]	[illegible]										6.[illegible]	[illegible].7
NNW	[illegible]	1.										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	4[illegible]	[illegible]	17.[illegible]	[illegible].6								1[illegible].[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•										•	3.[illegible]
NNE		•										•	4.[illegible]
NE													
ENE													
E		•										•	[illegible]
ESE	•	•	•									1.3	[illegible]
SE	1.[illegible]	1.[illegible]	1.[illegible]	•	•							3.[illegible]	7.2
SSE	•	2.[illegible]	2.3	1.[illegible]								6.5	7.8
S	•	[illegible].[illegible]	•	•								[illegible].[illegible]	5.6
SSW													
SW	•	1.[illegible]	2.3									4.5	[illegible]
WSW	[illegible]	3.[illegible]	[illegible]	•								9.	[illegible]
W	•	[illegible]	[illegible]	•								24.[illegible]	5.3
WNW	•	14.[illegible]	•	•								17.[illegible]	4.4
NW	•	•	•									10.[illegible]	4.2
NNW	1.[illegible]	1.	•									3.[illegible]	4.3
VARBL													
CALM												1.[illegible]	
	21.[illegible]	54.[illegible]	17.4	2.[illegible]	•							100.[illegible]	5.2

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE	•											•	2.5
ENE													
E	•	•										1.2	3.5
ESE	1.2	1.0		•								2.3	4.6
SE	1.2	1.2	1.2	•								3.2	5.4
SSE	1.2	•	1.2									3.0	6.2
S	1.2	•	•									2.2	7.1
SSW	1.2	•										2.3	1.7
SW	3.2	2.9	2.3	.6								11.0	4.5
WSW	4.1	3.3	2.7	.6								14.2	4.5
W	4.2	4.5	1.9	1.4								14.0	5.1
WNW	1.2	1.0		•								2.2	3.0
NW	1.0											1.0	1.3
NNW	1.0											1.2	2.5
VARBL													
CALM												7.7	
	32.3	17.1	12.2	3.0								100.1	2.7

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

CONDITION

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•										•	2.2
NNE	•	•										•	3.1
NE	•											•	2.0
ENE	•	•										•	2.7
E	1.2	•	•									1.7	3.1
ESE	1.0	1.2	•	•								3.2	4.1
SE	1.0	1.6	1.1	•	•							4.7	5.3
SSE	1.0	1.4	1.2	•	•							5.2	6.8
S	1.2	1.2	•	•	•							3.9	5.1
SSW	1.0	1.0	•									3.0	3.8
SW	•	1.2	2.0	•								3.9	4.0
WSW	2.4	5.1	2.9	•								11.4	5.2
W	1.2	3.0	2.4	•								7.0	4.5
WNW	1.4	4.2	•	•								10.0	4.3
NW	•	2.2	•									4.4	3.6
NNW	1.2	1.1	•									3.0	3.5
VARBL													
CALM												2.2	
	2.2	35.2	17.1	3.2	•							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•											•	2.5
NNE	•	•										•	2.5
NE													
ENE	1.7	•										2.1	2.7
E	1.7	2.3										4.1	2.4
ESE	7.1	2.3	1.7									11.7	3.3
SE	7.7	3.0	•	1.7	•							7.7	6.4
SSE	7.7	•	1.	•	•							4.7	6.4
S	1.7	•	•									2.7	3.9
SSW	7.	•										2.7	2.5
SW	1.	1.	•									3.1	4.3
WSW	1.7	1.	•	•								3.7	4.7
W	7.	•	•	•								4.7	4.3
WNW	1.	•										1.7	3.2
NW	•	•	•									1.7	5.3
NNW	1.	•										1.1	2.5
VARBL													
CALM												12.	
	37.3	17.7	4.7	3.3	1.0							100.1	2.4

TOTAL NUMBER OF OBSERVATIONS 776

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	1•	•									2•3	4•
NNE	•											•	2•
NE		•										•	4•
ENE	•											•	1•
E	1•	1•	•									4•	3•
ESE	•	5•	•	•								11•	4•1
SE	1•	7•	5•	5•3	1•	1•						19•1	9•9
SSE	1•	4•	3•	3•2	1•6	1•7						15•3	10•3
S	•7	2•7	•4	1•7	•3							6•1	5•7
SSW	•7			•7								•	7•
SW	•	•4	•7									1•4	4•2
WSW	•	1•	•7	•7								2•1	5•4
W	•5	2•5	1•	•7		•7						5•4	5•1
WNW	•	2•1	•5									3•1	3•1
NW	•5	3•	•7	•3								4•4	4•7
NNW	•7	1•4	1•5	•7								3•5	5•7
VARBL													
CALM												•5	
	27•7	35•4	14•7	11•6	2•9	2•4						100•1	5•7

TOTAL NUMBER OF OBSERVATIONS 31

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: OCT

CLASS: ALL WEATHER

HOURS (L.S.T.): 17

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	1•									2•	7•4
NNE	•											•	1•(
NE		•										•	5•
ENE													
E		1•	•									1•	5•8
ESE	•	1•5	1•									4•9	4•3
SE	1•	1•	7•2	2•4	1•9							10•7	10•4
SSE	1•	1•7	7•4	4•2	1•9	1••						12•4	12•6
S	1•	2•7	2•5	2•3	1•7							9•4	9•6
SSW	•		•7									1•5	5•3
SW	1•	1•										1•1	3•7
WSW	•	2•	2•7									5•5	5•6
W	•2	4•5	5•6	1•7								11•7	5•2
WNW	•7	7•1	1•-	•6								15•9	4•9
NW	2•7	7•4	1•9	•7								12•3	4•7
NNW	•	4•-	1•2	•-								7•-	5•1
VARBL													
CALM												2•7	
	27•7	37•7	21•5	11•7	3•7	1•4						1[illegible]•4	6•7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

HOURS (L.S.T.) 7

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	1 •	•								2 •	7 •
NNE	1 •											1 •	1 •
NE	1 •	•										1 •	3 •
ENE	1 •	•	•									3 •	7 • 4
E	3 •	•	•									15 •	4 • 1
ESE	3 •	5 •	3 •	2 •								23 •	5 • 6
SE	4 •	3 •	3 •	4 •	1 •	•						17 •	8 •
SSE	•	1 •	3 •	3 •	2 •							10 •	12 • 3
S	•	1 •	1 •	1 •	•							3 •	5 • 9
SSW													
SW		•										•	
WSW		•										•	
W			•	1 •	•	•						3 • 3	15 •
WNW	•		•	1 •								3 •	13 •
NW													
NNW	1 •											1 •	1 •
VARBL													
CALM												14 •	
	3 •	23 •	16 •	15 •	3 •	1 •						100 •	6 • 2

TOTAL NUMBER OF OBSERVATIONS 270

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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NW													
NNW													
VARBL													
CALM													

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

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS: ALL

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: ALL

CLASS: ALL STATION

CONDITION

HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	•	• 1	•							1 •	4 •
NNE	•	•	• 1	•	•							•	3 •
NE	•	• 1	•									•	2 •
ENE	•	•	• 1	•								1 •	3 •
E	•	•	•	•	•		•					•	•
ESE	•	•	1 •	•	• 1	•						15 •	5 • 1
SE	•	• 1	2 •	2 •	•	•	•	•				10 •	7 • 1
SSE	•	1 •	2 •	2 •	1 •	•	•	•				•	10 • 7
S	1 •	1 •	1 •	•	•	• 1	•	•				4 •	6 • 2
SSW	•	•	•	•	•		•					1 •	4 •
SW	•	1 •	1 • 1	• 1		•	•					4 •	7 •
WSW	1 •	2 •	1 •	•	•							6 •	5 • 6
W	•	4 •	2 •	1 •	•	•	•					12 •	6 •
WNW	• 1	3 •	•	•	•	• 1						5 •	5 •
NW	1 •	1 •	•	•	•	•						3 •	4 •
NNW	•	1 •	•	•	•							2 •	5 •
VARBL													
CALM												16 •	
	2 •	•	14 •	7 •	•	1 • 1	• 1	•				100 •	6 •

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | ALL MONTH

INSTRUMENT
CLASS

CONDITION

ALL HOURS (L.S.T.)

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

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	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

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

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

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

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

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

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

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

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

PART D SKY COVER

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

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

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

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

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

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
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500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
< 20000 ≥ 18000																
< 18000 ≥ 16000																
< 16000 ≥ 14000																
< 14000 ≥ 12000																
< 12000 ≥ 10000																
< 10000 ≥ 9000																
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< 700 ≥ 600																
< 600 ≥ 500																
< 500 ≥ 400																
< 400 ≥ 300																
< 300 ≥ 200																
< 200 ≥ 100																
< 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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< 500 ≥ 400																
< 400 ≥ 300																
< 300 ≥ 200																
< 200 ≥ 100																
< 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 > 16000																
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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 _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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≥ 100 < 200																
≥ 0 < 100																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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≥ 0 < 100																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 16000																
≥ 14000 < 12000																
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≥ 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

4

18138 54271

7225

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
AVA 18000 16000																
AVA 14000 12000																
AVA 10000 9000																
AVA 8000 7000																
AVA 6000 5000																
AVA 4500 4000																
AVA 3500 3000																
AVA 2500 2000																
AVA 1800 1500																
AVA 1200 1000																
AVA 900 800																
AVA 700 600																
AVA 500 400																
AVA 300 200																
AVA 100 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 16000																
≥ 14000 < 12000																
≥ 10000 < 9000																
≥ 8000 < 7000																
≥ 6000 < 5000																
≥ 4500 < 4000																
≥ 3500 < 3000																
≥ 2500 < 2000																
≥ 1800 < 1500																
≥ 1200 < 1000																
≥ 900 < 800																
≥ 700 < 600																
≥ 500 < 400																
≥ 300 < 200																
≥ 100 < 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 16000																
≥ 14000 < 12000																
≥ 10000 < 9000																
≥ 8000 < 7000																
≥ 6000 < 5000																
≥ 4500 < 4000																
≥ 3500 < 3000																
≥ 2500 < 2000																
≥ 1800 < 1500																
≥ 1200 < 1000																
≥ 900 < 800																
≥ 700 < 600																
≥ 500 < 400																
≥ 300 < 200																
≥ 100 < 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅜	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
AIV ≥ 18000 ≥ 16000																
AIV ≥ 14000 ≥ 12000																
AIV ≥ 10000 9000																
AIV 8000 7000																
AIV 6000 5000																
AIV 4500 4000																
AIV 3500 3000																
AIV 2500 2000																
AIV 1800 1500																
AIV 1200 1000																
AIV 900 800																
AIV 700 600																
AIV 500 400																
AIV 300 200																
AIV 100 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 20000 ≥ 16000																
≥ 14000 < 16000 ≥ 12000																
≥ 10000 < 12000 ≥ 9000																
≥ 8000 < 9000 ≥ 7000																
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≥ 1800 < 2000 ≥ 1500																
≥ 1200 < 1500 ≥ 1000																
≥ 900 < 1000 ≥ 800																
≥ 700 < 800 ≥ 600																
≥ 500 < 600 ≥ 400																
≥ 300 < 400 ≥ 200																
≥ 100 < 200 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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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) _____

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TOTAL NUMBER OF OBSERVATIONS _____ _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

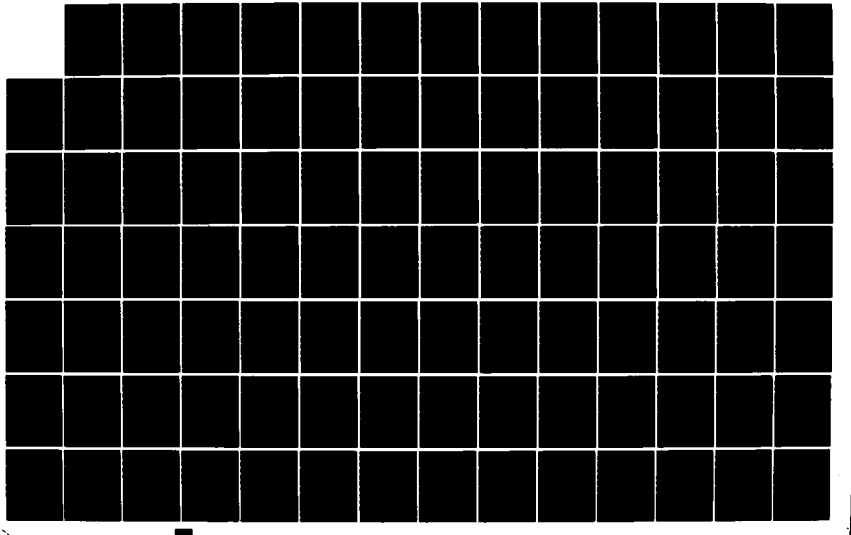
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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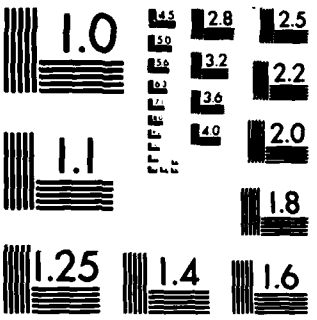
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD-A150 398 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL





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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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IV IV 6000 5000																
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IV IV 3500 3000																
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IV IV 100 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____ HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) 1 9

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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(FROM HOURLY OBSERVATIONS)

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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) _____

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
< 20000 ≥ 18000																
< 18000 ≥ 16000																
< 16000 ≥ 14000																
< 14000 ≥ 12000																
< 12000 ≥ 10000																
< 10000 ≥ 9000																
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< 900 ≥ 800																
< 800 ≥ 700																
< 700 ≥ 600																
< 600 ≥ 500																
< 500 ≥ 400																
< 400 ≥ 300																
< 300 ≥ 200																
< 200 ≥ 100																
< 100 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 16000																
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≥ 1800 < 1500																
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≥ 700 < 600																
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≥ 300 < 200																
≥ 100 < 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH MAY

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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(FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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AVA 18000 AVA 16000																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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< 300 ≥ 200																
< 200 ≥ 100																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

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≥ 100 < 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
< 20000 ≥ 18000																
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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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< 4000 ≥ 3500																
< 3500 ≥ 3000																
< 3000 ≥ 2500																
< 2500 ≥ 2000																
< 2000 ≥ 1800																
< 1800 ≥ 1500																
< 1500 ≥ 1200																
< 1200 ≥ 1000																
< 1000 ≥ 900																
< 900 ≥ 800																
< 800 ≥ 700																
< 700 ≥ 600																
< 600 ≥ 500																
< 500 ≥ 400																
< 400 ≥ 300																
< 300 ≥ 200																
< 200 ≥ 100																
< 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500 ≥ 4000																
≥ 3500 ≥ 3000																
≥ 2500 ≥ 2000																
≥ 1800 ≥ 1500																
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400																
≥ 300 ≥ 200																
≥ 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000 < 20000																
≥ 16000 < 18000																
≥ 14000 < 16000																
≥ 12000 < 14000																
≥ 10000 < 12000																
≥ 9000 < 10000																
≥ 8000 < 9000																
≥ 7000 < 8000																
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≥ 4000 < 4500																
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≥ 2000 < 2500																
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≥ 1200 < 1500																
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≥ 900 < 1000																
≥ 800 < 900																
≥ 700 < 800																
≥ 600 < 700																
≥ 500 < 600																
≥ 400 < 500																
≥ 300 < 400																
≥ 200 < 300																
≥ 100 < 200																
0 < 100																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 < 20000																
≥ 14000 < 18000																
≥ 10000 < 14000																
≥ 8000 < 10000																
≥ 6000 < 8000																
≥ 4500 < 6000																
≥ 3500 < 4500																
≥ 2500 < 3500																
≥ 1800 < 2500																
≥ 1200 < 1800																
≥ 900 < 1200																
≥ 700 < 900																
≥ 500 < 700																
≥ 300 < 500																
≥ 100 < 300																
0 < 100																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500 ≥ 4000																
≥ 3500 ≥ 3000																
≥ 2500 ≥ 2000																
≥ 1800 ≥ 1500																
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400																
≥ 300 ≥ 200																
≥ 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000																
≥ 6000 ≥ 5000																
≥ 4500 ≥ 4000																
≥ 3500 ≥ 3000																
≥ 2500 ≥ 2000																
≥ 1800 ≥ 1500																
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400																
≥ 300 ≥ 200																
≥ 100 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
≥ 18000 / 16000																
≥ 14000 / 12000																
≥ 10000 / 9000																
≥ 8000 / 7000																
≥ 6000 / 5000																
≥ 4500 / 4000																
≥ 3500 / 3000																
≥ 2500 / 2000																
≥ 1800 / 1500																
≥ 1200 / 1000																
≥ 900 / 800																
≥ 700 / 600																
≥ 500 / 400																
≥ 300 / 200																
≥ 100 / 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

4

SKY COVER

2-255 STATION | [illegible] EY ISLAND, WA STATION NAME | [illegible] PERIOD | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	11.[illegible]			17.[illegible]						15.[illegible]	[illegible]9.4	[illegible].8	[illegible]
	[illegible]	[illegible].7			11.[illegible]						14.[illegible]	[illegible].[illegible]	[illegible].1	310
	[illegible]	[illegible].[illegible]			17.3						[illegible]3.[illegible]	[illegible]0.[illegible]	[illegible].4	310
	[illegible]	[illegible].2			11.[illegible]						23.5	59.4	[illegible].4	310
	1[illegible]	[illegible].5			12.[illegible]						21.[illegible]	61.9	[illegible].5	310
	1[illegible]	[illegible].[illegible]			17.3						25.2	57.1	[illegible].3	310
	1[illegible]	[illegible].2			16.5						14.2	61.3	7.9	310
	2[illegible]	[illegible].4			15.[illegible]						13.[illegible]	61.6	7.8	310
TOTALS		[illegible].[illegible]			17.1						17.[illegible]	60.6	8.2	2[illegible]0

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4

SKY COVER

2 255 [illegible] / STATION / STATION NAME / [illegible] / PERIOD / [illegible] / MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	1	[illegible]			14.[illegible]						11.[illegible]	67.7	[illegible].3	2[illegible]2
	[illegible]4	[illegible]			1[illegible].[illegible]						15.[illegible]	64.[illegible]	[illegible].3	2[illegible]2
	[illegible]	[illegible]			11.3						21.[illegible]	64.5	[illegible].7	2[illegible]2
	[illegible]	[illegible]			11.3						24.6	59.6	[illegible].7	2[illegible]2
	1[illegible]	.[illegible]			1[illegible].2						23.[illegible]	54.3	[illegible].6	2[illegible]2
	[illegible]	[illegible]			14.[illegible]						25.2	57.4	[illegible].5	2[illegible]2
	1[illegible]	[illegible]			1[illegible].[illegible]						26.6	56.7	[illegible].5	2[illegible]2
	[illegible]2	4.[illegible]			14.9						1[illegible].1	[illegible]1.3	[illegible].3	2[illegible]2
TOTALS		[illegible].[illegible]			1[illegible].[illegible]						[illegible]2.[illegible]	[illegible].[illegible]	[illegible].5	2256

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4

SKY COVER

2-255 | [illegible] | 47-52 | [illegible]
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		
[illegible]	[illegible]1	[illegible].1			2[illegible].[illegible]						19.7	[illegible]2.3	7.6	315
	[illegible]4	[illegible].7			16.[illegible]						19.4	[illegible]5.2	7.8	310
	[illegible]	[illegible].3			15.1						23.6	56.1	[illegible].4	310
	1	[illegible].2			15.5						30.7	51.[illegible]	[illegible].3	310
	13	[illegible].[illegible]			24.2						25.5	47.4	7.8	310
	1[illegible]	[illegible].2			27.9						25.2	47.7	7.8	310
	1[illegible]	4.5			21.3						26.1	46.1	7.8	310
	[illegible]2	[illegible].7			21.3						23.7	50.7	7.4	310
TOTALS		[illegible].[illegible]			[illegible].[illegible]						23.7	[illegible]1.[illegible]	7.9	24[illegible]

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SKY COVER

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

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SKY COVER

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

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SKY COVER

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

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SKY COVER

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

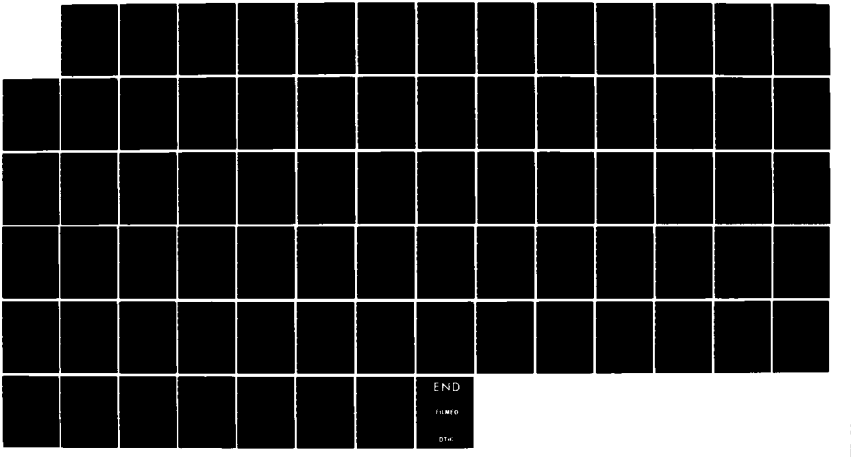
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

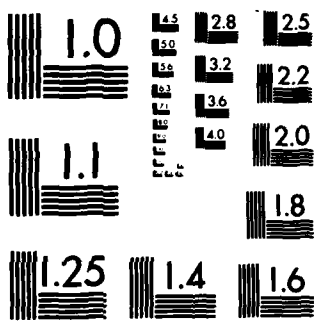
MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
TOTALS														

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AD-A150 398 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL





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

4

SKY COVER

2255	WHIDBEY ISLAND, WA	73-82	SEP
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		
SE	01	26.3			22.3						18.3	33.3	5.6	300
	04	22.7			21.3						17.3	39.0	6.1	300
	07	13.3			16.7						26.7	44.3	7.3	300
	10	14.3			19.0						24.3	42.3	7.0	300
	13	17.3			25.0						29.3	28.7	6.3	300
	16	18.3			28.0						26.0	27.7	5.9	300
	19	17.3			28.3						25.0	28.3	6.0	300
	22	25.7			25.0						19.0	30.3	5.5	300
TOTALS		19.2			23.3						23.2	34.2	6.2	2400

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4

SKY COVER

2?55 (STATION) | *HIDBEY ISLAND, WA (STATION NAME) | 73-82 (PERIOD) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	15.5			21.6						12.7	43.9	6.7	310
	04	9.7			19.4						22.3	49.7	7.6	310
	07	7.7			17.4						24.2	50.5	8.2	310
	10	5.5			17.7						30.0	46.8	7.9	310
	13	6.1			22.9						27.7	43.2	7.5	310
	16	9.4			22.3						27.1	41.3	7.2	310
	19	13.6			24.2						20.0	45.2	7.0	310
	22	14.1			22.9						20.6	40.3	6.6	310
TOTALS		9.3			21.1						23.8	45.6	7.3	2480

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SKY COVER

2-255 WHIDBEY ISLAND, WA 73-82 NOV

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		
NOV	01	7.7			13.3						18.7	55.3	7.8	300
	04	10.0			18.3						16.7	55.3	7.6	300
	07	3.7			16.3						24.3	55.7	8.2	300
	10	3.7			15.0						27.0	54.3	8.3	300
	13	3.7			16.0						28.0	52.3	8.2	300
	16	5.0			14.7						28.0	52.3	8.2	300
	19	9.3			18.0						19.7	53.3	7.6	300
	22	10.7			16.0						17.3	56.0	7.6	300
TOTALS		6.7			15.5						22.5	54.3	7.9	2400

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SKY COVER

24255 | WHIDBEY ISLAND, WA | 77-82 | DEC

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	5.1			13.9						17.4	62.9	8.3	310
	04	5.5			16.5						18.4	59.7	8.1	310
	07	3.9			17.1						19.0	60.0	8.2	310
	10	3.2			11.6						27.1	58.1	8.6	310
	13	3.2			17.9						24.5	55.4	8.5	310
	16	3.6			13.3						24.6	58.6	8.5	309
	19	6.1			13.9						18.1	61.8	8.2	309
	22	7.8			14.2						14.9	63.1	8.1	309
TOTALS		4.9			14.3						20.5	60.3	8.3	2477

SKY COVER

2-255 | WHIDBEY ISLAND, WA | 73-82 | 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	7.6			13.1						18.8	60.6	8.2	2480
FEB		7.3			13.9						22.0	60.9	8.5	2256
MAR		5.3			20.0						23.7	51.0	7.9	2480
APR		6.9			20.1						24.9	48.0	7.6	2400
MAY		6.7			24.2						25.1	44.6	7.5	2480
JUN		9.9			23.2						27.3	40.6	7.2	2400
JUL		10.1			25.1						24.0	32.8	6.2	2480
AUG		15.0			24.6						21.1	38.4	6.5	2480
SEP		13.2			23.3						23.2	34.2	6.2	2400
OCT		9.5			21.1						23.8	45.6	7.3	2480
NOV		6.7			16.5						22.5	54.3	7.9	2400
DEC		4.9			14.3						20.5	60.3	8.3	2477
TOTALS		9.4			20.0						23.1	47.6	7.4	29213

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 (ΣX^2), sums of values (ΣX), means ($\overline{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N													
N													
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S. D.													
TOTAL OBS.													

NAVWEASERVCOM

DAILY TEMPERATURES

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥						[illegible]	[illegible]	[illegible]	[illegible]	.1			.1
≥ [illegible]				[illegible]	[illegible]	[illegible]	13.4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
≥	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.1	3.7	[illegible]	[illegible]
≥ 4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.1	94.6	[illegible]	[illegible]	51.3	[illegible]	[illegible]	13.1	[illegible]
≥ [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.2	[illegible]	51.	[illegible]	[illegible]
≥ [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	72.2	[illegible]	[illegible]
≥ [illegible]	[illegible]	[illegible]	92.4	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ [illegible]	[illegible]	95.1	[illegible]	[illegible]					[illegible]	[illegible]	97.6	[illegible]	[illegible]
≥ [illegible]	[illegible]	[illegible]	99.7							[illegible]	99.4	97.7	[illegible]
≥ [illegible]	[illegible]	99.4	[illegible]								[illegible]	98.8	[illegible]
≥ [illegible]	[illegible]	[illegible]									[illegible]	99.5	[illegible]
≥ [illegible]	[illegible]	[illegible]									[illegible]	[illegible]	[illegible]
≥	[illegible]											[illegible]	[illegible]
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MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAVWEASERVCOM

DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
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NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP DATE
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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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Monthly												

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	JULY

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Monthly	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1		15.1		18.7	7				11.7			
2		13.5		18.3	76		1954		11.2			1944
3		15.1		18.4	8		195		11.4			195
4		15.1		19.9	77				11.7			
5				19.7	7				11.7			
6				19.3	81				1 .9			1951
7		15.2		19.3	81		1981		11.2			1977
8				20.2	82				11.4			
9				20.3			1967		11.1			
10				19.3			1977		11.4			
11				19.4			1977		11.3			
12		15.2		19.			1977		11.3			
13		14.9		18.5	76		1965		11.3			
14		14.		18.	78		1963		11.2			
15		15.1		18.8	77		1967		11.3			
16		14.8		19.3	80		1977		11.4			
17		15.1		19.3	7		1977		1 .9			
18		14.		18.8	76		1946		10.9			
19		14.		19.9	74		1965		10.			1973
20		15.4		19.4	76				11.4			
21		14.		19.7	76		1945		10.9			
22		14.		19.9	74		1951		1 .7			
23		14.7		19.6	77		1966		1 .8			
24		14.		19.8	77		1981		11.			
25		14.4		19.2	75		1953		1 .8			
26		14.		19.7	76		1967		1 .3			
27		14.4		17.3	72				11.3			1971
28		14.		19.4	81		1967		10.9			
29		14.7		19.	73		1974		10.4			
30		14.7		19.4	77		1962		10.			
31		14.6		19.	9		1967		10.4			
Monthly		1 .9		19.4	8		1		11.1			1

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

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

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	14.5	[illegible]	19.8	7[illegible]	[illegible]	1967	[illegible]	10.6	[illegible]	[illegible]	[illegible]
2	[illegible]	14.3	[illegible]	19.2	[illegible]	[illegible]	1978	[illegible]	10.5	43	6.1	19[illegible]
3	[illegible]	14.4	[illegible]	19.7	75	23.[illegible]	1972	[illegible]	10.1	43	6.1	19[illegible]
4	[illegible]	14.7	[illegible]	19.[illegible]	77	25.[illegible]	1962	[illegible]	10.4	[illegible]	6.7	19[illegible]
5	[illegible]	14.4	[illegible]	18.[illegible]	7[illegible]	25.[illegible]	1967	[illegible]	10.3	43	6.1	19[illegible]
6	[illegible]	14.2	[illegible]	19.2	72	22.2	1947	[illegible]	10.2	[illegible]	5.6	19[illegible]
7	[illegible]	14.2	[illegible]	18.3	72	22.[illegible]	1979	[illegible]	10.1	42	5.6	19[illegible]
8	[illegible]	14.2	[illegible]	18.4	77	25.[illegible]	1966	49.[illegible]	9.9	41	[illegible]	19[illegible]
9	[illegible]	14.1	[illegible]	18.[illegible]	75	23.9	1966	49.6	9.7	41	[illegible]	19[illegible]
10	[illegible]	13.[illegible]	[illegible]	18.4	7[illegible]	23.3	1967	48.[illegible]	9.[illegible]	41	[illegible]	19[illegible]
11	[illegible]	14.1	[illegible]	18.3	75	23.9	1975	49.[illegible]	9.9	[illegible]	4.4	19[illegible]
12	[illegible]	13.7	[illegible]	18.3	75	23.[illegible]	1947	48.[illegible]	9.[illegible]	[illegible]	1.7	1949
13	[illegible]	13.[illegible]	[illegible]	18.4	[illegible]	25.4	1961	47.[illegible]	8.1	[illegible]	[illegible]	19[illegible]
14	[illegible]	13.[illegible]	[illegible]	17.[illegible]	76	24.4	19[illegible]	48.[illegible]	9.[illegible]	[illegible]	[illegible]	19[illegible]
15	[illegible]	13.[illegible]	[illegible]	17.4	87	[illegible]	1967	49.3	[illegible]	[illegible]	[illegible]	19[illegible]
16	[illegible]	13.2	[illegible]	16.[illegible]	[illegible]	2[illegible]	1973	45.4	7.[illegible]	[illegible]	[illegible]	19[illegible]
17	[illegible]	13.[illegible]	[illegible]	17.4	77	25.[illegible]	19[illegible]	48.6	[illegible]	[illegible]	[illegible]	19[illegible]
18	[illegible]	13.2	[illegible]	17.6	77	25.[illegible]	1981	47.7	[illegible]	[illegible]	[illegible]	1947
19	[illegible]	13.[illegible]	[illegible]	17.2	71	21.[illegible]	1979	47.[illegible]	[illegible]	[illegible]	[illegible]	19[illegible]
20	[illegible]	13.[illegible]	[illegible]	17.[illegible]	[illegible]	[illegible]	19[illegible]	47.7	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	12.[illegible]	[illegible]	17.1	72	22.[illegible]	19[illegible]	47.7	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	12.7	[illegible]	16.[illegible]	73	22.[illegible]	1966	47.6	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	12.[illegible]	[illegible]	16.[illegible]	71	21.[illegible]	1974	47.1	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	13.3	[illegible]	16.[illegible]	7[illegible]	[illegible]	19[illegible]	45.6	[illegible]	[illegible]	[illegible]	19[illegible]
25	[illegible]	12.[illegible]	[illegible]	16.7	75	23.[illegible]	1979	47.1	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	12.4	[illegible]	16.7	71	21.[illegible]	1991	46.7	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	12.7	[illegible]	17.2	74	23.3	1963	46.[illegible]	[illegible]	[illegible]	-1.7	[illegible]
28	[illegible]	12.4	[illegible]	16.3	7[illegible]	21.1	19[illegible]	47.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	12.2	[illegible]	15.[illegible]	[illegible]	19.9	19[illegible]	47.[illegible]	8.4	[illegible]	[illegible]	[illegible]
30	[illegible]	12.2	[illegible]	16.3	7[illegible]	21.1	19[illegible]	46.7	[illegible]	[illegible]	[illegible]	[illegible]
31												
Monthly	[illegible]	13.4	[illegible]	17.[illegible]	87	[illegible]	1967	[illegible]	[illegible]	[illegible]	-1.7	[illegible]

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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31												
Monthly												

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

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

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.1	1977
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-5.6	1977
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.7	1977
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1977
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.1	1977
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31												
Monthly	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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Monthly												

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPER. °F

(FROM DAILY OBSERVATIONS)

STATION | MT BAY ISLAND, VA | STATION NAME | YEARS

(TENTHS DEGREES FAHRENHEIT)

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				61		7[illegible]	[illegible]	81	[illegible]	7[illegible]	[illegible]5		
46	62	[illegible]	[illegible]	6[illegible]	[illegible]		[illegible]	[illegible]5	71	6[illegible]	[illegible]5	54	
47		[illegible]7	5[illegible]	56	7[illegible]	7[illegible]	75	7[illegible]	[illegible]5	[illegible]7	[illegible]3		
48	[illegible]0	[illegible]5	60	6[illegible]	68	7[illegible]	[illegible]6	7[illegible]	73		[illegible]3	4[illegible]	
49			[illegible]0	61	7[illegible]	7[illegible]	7[illegible]	7[illegible]	7[illegible]	[illegible]7	[illegible]7	[illegible]5	
[illegible]0	[illegible]3	[illegible]6	5[illegible]	64	[illegible]6	7[illegible]	[illegible]6	[illegible]3	7[illegible]	[illegible]6	[illegible]4	5[illegible]	7[illegible]
[illegible]1	[illegible]5	[illegible]4	[illegible]5		[illegible]3	[illegible]3	[illegible]5	[illegible]6	[illegible]6	67	[illegible]7	[illegible]7	
[illegible]2	57	[illegible]9	[illegible]0	6[illegible]		67	7[illegible]	[illegible]2	[illegible]3	65	[illegible]2	[illegible]2	
[illegible]3	59	[illegible]6	[illegible]6	[illegible]5	76	[illegible]6	[illegible]5	[illegible]5	[illegible]3	67	[illegible]5	[illegible]3	[illegible]6
[illegible]4	[illegible]3	[illegible]4	[illegible]9	[illegible]2	[illegible]5	[illegible]6	[illegible]8	[illegible]1	[illegible]2	[illegible]0	[illegible]3	[illegible]5	[illegible]7
[illegible]5	[illegible]2	[illegible]7	[illegible]4	[illegible]7	[illegible]6	[illegible]5	[illegible]5	[illegible]3	[illegible]4	[illegible]3	[illegible]5	[illegible]3	[illegible]5
[illegible]6	[illegible]5	[illegible]9	[illegible]5	[illegible]0	[illegible]5	[illegible]0	79	[illegible]1	[illegible]8	[illegible]6	[illegible]4	[illegible]4	79
[illegible]7	[illegible]1	[illegible]4	[illegible]6	[illegible]6	[illegible]9	[illegible]7	[illegible]1	[illegible]2	[illegible]3	[illegible]5	[illegible]8	[illegible]7	[illegible]7
[illegible]8	[illegible]7	[illegible]1	[illegible]3	[illegible]6	[illegible]2	[illegible]6	[illegible]8	[illegible]5	[illegible]4	[illegible]3	[illegible]3	[illegible]9	[illegible]7
[illegible]9	[illegible]3	[illegible]4	[illegible]6	[illegible]7	[illegible]2	[illegible]7	[illegible]2	[illegible]6	[illegible]7	[illegible]6	[illegible]9	[illegible]4	[illegible]3
[illegible]0	[illegible]4	[illegible]5	[illegible]8	[illegible]5	[illegible]7	[illegible]3	[illegible]5	[illegible]8	[illegible]9	[illegible]6	[illegible]8	[illegible]7	[illegible]3
[illegible]1	[illegible]8	[illegible]8	[illegible]2	[illegible]5	[illegible]2	[illegible]6	[illegible]3	[illegible]7	[illegible]5	[illegible]5	[illegible]7	[illegible]6	[illegible]5
[illegible]2	[illegible]5	[illegible]9	[illegible]7	[illegible]2	[illegible]7	[illegible]3	[illegible]7	[illegible]4	[illegible]7	[illegible]7	[illegible]0	[illegible]9	[illegible]7
[illegible]3	[illegible]3	[illegible]9	[illegible]3	[illegible]6	[illegible]8	[illegible]5	[illegible]4	[illegible]5	[illegible]5	[illegible]5	[illegible]8	[illegible]2	[illegible]7
[illegible]4	[illegible]4	[illegible]3	[illegible]5	[illegible]6	[illegible]8	[illegible]2	[illegible]3	[illegible]7	[illegible]8	[illegible]4	[illegible]4	[illegible]2	[illegible]7
[illegible]5	[illegible]2	[illegible]5	[illegible]9	[illegible]2	[illegible]4	[illegible]4	[illegible]1	[illegible]3	[illegible]9	[illegible]7	[illegible]3	[illegible]6	[illegible]1
[illegible]6	[illegible]5	[illegible]4	[illegible]4	[illegible]6	[illegible]4	[illegible]1	77	[illegible]5	[illegible]5	64	[illegible]1	[illegible]7	77
67	[illegible]5	[illegible]5	[illegible]3	[illegible]5	[illegible]1	[illegible]6	[illegible]5	[illegible]1	[illegible]7	[illegible]7	[illegible]3	[illegible]6	[illegible]7
[illegible]	[illegible]3	[illegible]7	[illegible]2	[illegible]4	73	[illegible]5	[illegible]0	[illegible]4	[illegible]6	[illegible]4	[illegible]6	55	[illegible]2
[illegible]	[illegible]3	[illegible]5	[illegible]8	[illegible]6	[illegible]9	[illegible]1	[illegible]3	[illegible]7	[illegible]9	67	[illegible]7	55	[illegible]1
[illegible]	[illegible]1	[illegible]6	[illegible]0	[illegible]7	[illegible]7	[illegible]3	[illegible]7	[illegible]1	67	[illegible]5	[illegible]0	55	[illegible]3
[illegible]1	[illegible]3	[illegible]5	[illegible]9	[illegible]7	[illegible]9	[illegible]5	[illegible]9	[illegible]7	[illegible]5	[illegible]7	[illegible]0	[illegible]1	[illegible]7
[illegible]2	[illegible]2	[illegible]1	[illegible]1	[illegible]6	[illegible]3	[illegible]6	[illegible]2	[illegible]1	77	[illegible]5	[illegible]5	[illegible]4	[illegible]5
[illegible]3	[illegible]7	[illegible]5	[illegible]8	[illegible]9	[illegible]5	[illegible]1	[illegible]9	[illegible]7	[illegible]7	[illegible]4	[illegible]1	51	[illegible]
[illegible]4	[illegible]5	[illegible]3	[illegible]9	[illegible]3	[illegible]3	[illegible]2	76	79	[illegible]0	[illegible]2	[illegible]7	57	[illegible]2
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

DEGREES FAHRENHEIT

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible] TEMPERATURE

(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] | [illegible]

STATION | STATION NAME | YEARS

[illegible]

[illegible]

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]					[illegible]							[illegible]	[illegible] DAYS
[illegible]						[illegible]							[illegible] DAYS
[illegible]												[illegible]	[illegible] DAYS
[illegible]										[illegible]			[illegible] DAYS
[illegible]				[illegible]									[illegible] DAYS
[illegible]					[illegible]								[illegible] DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible] TEMPERATURE [illegible]

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	4[illegible]-

[illegible] DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]				[illegible]		[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]		[illegible]	4[illegible]	[illegible]	[illegible]7	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	37	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	1[illegible]	[illegible]	30	[illegible]	47	[illegible]	[illegible]	[illegible]		[illegible]7	[illegible]1	
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	
[illegible]	1-	[illegible]	[illegible]1	[illegible]	[illegible]3	4[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1-
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	47	4[illegible]	41	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]3	[illegible]	33	41	43	[illegible]	41	[illegible]	[illegible]	[illegible]1	[illegible]
4	17	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1	27	17
[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	17	1[illegible]	[illegible]	34	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]	15	1[illegible]
[illegible]7	1[illegible]	[illegible]1	[illegible]	3[illegible]	44	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]
[illegible]	[illegible]1	[illegible]	[illegible]	37	39	[illegible]	[illegible]	[illegible]1	41	[illegible]	[illegible]1	[illegible]	[illegible]1
[illegible]	[illegible]	[illegible]	[illegible]3	34	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]
[illegible]	[illegible]1	[illegible]	[illegible]	3[illegible]	4[illegible]	44	47	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]
1	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]1	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1[illegible]	1[illegible]	[illegible]7	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]
[illegible]	1[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]7	44	[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]7	[illegible]	1[illegible]
4	[illegible]1	[illegible]	[illegible]7	[illegible]	[illegible]3	44	[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]1	3[illegible]	[illegible]	44	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1
[illegible]	[illegible]	[illegible]	[illegible]7	[illegible]	[illegible]7	[illegible]	4[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]7	[illegible]	[illegible]	31	[illegible]1	47	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]
[illegible]	[illegible]1	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47	[illegible]	[illegible]7	[illegible]1	[illegible]	[illegible]	[illegible]
[illegible]1	[illegible]	[illegible]	[illegible]3	[illegible]	[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	1[illegible]
[illegible]	[illegible]	1	[illegible]	31	[illegible]	4[illegible]	[illegible]	4	[illegible]	[illegible]7	[illegible]	11	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]7	[illegible]	[illegible]	[illegible]
[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	44	47	[illegible]	[illegible]	[illegible]	[illegible]	27	1[illegible]
MEAN													
S. D.													
TOTAL OBS.													

SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

(MISSING DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

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

SMOS

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] ISLAND, MA	[illegible]	JAN

HOURS (L S T) [illegible] 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible]																		1	1		
[illegible]																		1	1		
[illegible]																		6	6		
[illegible]																		11	11		
[illegible]																		29	29		
[illegible]																		[illegible]	50	21	7
[illegible]																		94	94	[illegible]	26
[illegible]																		182	182	79	52
[illegible]																		239	239	168	107
[illegible]																		272	292	227	135
[illegible]																		343	343	314	192
[illegible]																		253	253	335	238
[illegible]																		229	229	263	297
[illegible]																		153	153	190	240
[illegible]																		153	153	216	217
[illegible]																		112	112	142	174
[illegible]																		91	91	114	150
[illegible]																		70	70	99	115
[illegible]																		64	64	86	79
[illegible]																		32	32	64	62
[illegible]																		34	34	35	75
[illegible]																		25	25	32	66
[illegible]																		13	13	14	44
[illegible]																		6	6	12	51
[illegible]																		5	5	6	47
[illegible]																		1	1	5	27
[illegible]																		1	1	1	16
[illegible]																					15
[illegible]																					17
[illegible]																					7
[illegible]																					4
[illegible]																					1
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										2480	[illegible]	2480	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	197553	79.7	[illegible]	2480							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	2480		133.2					744.0
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	2480		114.2					744.0
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.2	281.0					744.0

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NAVAER 2097-54321

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] / 59					•1													2	2		
[illegible] / 57		•	•1		•1	•1												7	7		
[illegible] / 55		•[illegible]	•	•2	•1	•[illegible]												23	23	1	
[illegible] / 53		•1	•[illegible]	•7	•4	•[illegible]	•[illegible]											44	44	7	[illegible]
[illegible] / 51		•5	1•7	1•2	•3	•1	•											86	86	11	2
[illegible] / 49	•[illegible]	1•5	3•1	1•2	•2	•1												140	140	44	5
[illegible] / 47	•	[illegible]	2•[illegible]	2•1	1•2	•1	•1											256	256	116	37
[illegible] / 45	•3	[illegible]•2	3•7	2•[illegible]	•[illegible]		•1											267	267	261	104
[illegible] / 43	1•[illegible]	7•8	4•1	1•6	•2	•	•1											335	335	291	196
[illegible] / 41	1•5	7•4	3•2	1•[illegible]	•4	•1	•[illegible]											307	307	363	211
[illegible] / 39	1•[illegible]	4•5	2•6	•6	•4	•1												228	228	361	339
[illegible] / 37	1•6	[illegible]•5	1•4	•5	•2	•1												185	185	244	3[illegible]
[illegible] / 35	1•6	3•2	1•1	•4	•2													144	144	212	247
[illegible] / 33	•7	2•4	•4	•2	•1													87	87	134	221
[illegible] / 31	•4	1•7	•4	•1														61	61	98	172
[illegible] / 29	•[illegible]	1•4	•1	•1	•[illegible]													42	42	69	143
[illegible] / 27	•[illegible]	•4	•[illegible]															23	23	39	78
[illegible] / 25	•1	•3	•[illegible]	•1														13	13	25	51
[illegible] / 23		•[illegible]																5	5	13	34
[illegible] / 21		•																1	1	6	30
[illegible] / 19																				[illegible]	24
[illegible] / 17																					17
[illegible] / 15																					[illegible]
[illegible] / 13																					12
[illegible] / 11																					[illegible]
[illegible] / 9																					4
[illegible] / 7																					[illegible]
[illegible] / 5																					[illegible]
[illegible] / 3																					[illegible]
[illegible] / 1																					[illegible]
[illegible]	•[illegible]	[illegible]•4	2[illegible]•[illegible]	11•[illegible]	[illegible]•[illegible]	1•[illegible]	•4												2256		2256
																		2256		2256	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	14[illegible]74625	17[illegible]51	79.4	14.[illegible]43	2256							
Dry Bulb	4118[illegible]74	95452	42.3	5.[illegible]7[illegible]	2256		43.2					672.[illegible]
Wet Bulb	[illegible]0345[illegible]	8[illegible]3[illegible]8	79.6	5.493	2256		74.2					672.2
Dew Point	[illegible]318[illegible]06	8[illegible]954	75.9	7.[illegible]87	2256		176.6					672.2

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
-4 / 6								•1	•	•1								5	5		
2 / 4			•1					•										3	3		
0 / 5				•	•	•1												5	5	1	
3 / 37					•1	•2	•1	•										12	12	1	1
5 / 55		•1	•2	•4	•7	•2	•											33	33	1	1
4 / 53		•5	•5	1•	•5	•4	•2	•										79	79	4	2
2 / 51	•1	•	2•1	1•6	1•7	•	•1											169	169	23	11
5 / 48	•2	1•5	3•3	3•5	1•1	•	•											257	257	72	26
1 / 47	•5	2•3	5•5	2•6	•9	•6	•											350	350	109	47
0 / 45	•5	6•2	8•6	2•1	•7	•2												455	455	287	129
4 / 42	1•3	5•8	6•1	1•6	•3	•												368	368	467	168
2 / 41	1•2	5•2	2•2	•9	•3	•												271	271	495	274
7 / 39	•5	4•2	1•5	•5	•2													165	165	371	414
7 / 37	•4	2•1	1•2	•1														116	116	222	437
2 / 35	•4	1•9	•5	•1														71	71	137	322
34 / 33	•1	1•2	•4	•														45	45	83	233
2 / 31	•5	1•3	•2															43	43	57	151
2 / 29	•3	•2	•2															17	17	36	122
28 / 27	•1	•2																6	6	11	73
26 / 25	•1	•1																6	6	8	49
24 / 23	•1	•																3	3	6	24
22 / 21	•																	1	1	1	2
20 / 19																					1
18 / 17																					2
16 / 15																					2
14 / 13																					1
TOTAL	•3	•5	37•6	14•3	6•0	2•9	•5	•2	•0	•1								2400	2450	2438	2427

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1 2331	18 844	76.6	14.77	2441							
Dry Bulb	2214	11 772	44.7	5.477	2433		22.3					744.7
Wet Bulb	42 4663	1 12 55	51.4	4.455	2438		35.7					744.3
Dew Point	17 386	92 12	37.2	5.726	2437		136.2					744.7

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PSYCHROMETRIC SUMMAR

STATION | STATION NAME | YEARS | MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
77 / 77																		1	1		
74 / 73																		1	1		
71 / 71																		3	3		
69 / 69																		5	5		
66 / 66																		2	2		
64 / 64																		4	4		
61 / 61																		21	21		
59 / 59																		23	23	1	
57 / 57																		58	58		
55 / 55																		117	117	13	
53 / 53																		193	193	39	1
52 / 51																		256	256	80	22
50 / 49																		320	320	200	66
48 / 47																		423	423	361	152
46 / 45																		399	399	441	225
44 / 43																		239	239	478	324
42 / 41																		164	164	382	397
40 / 39																		82	82	189	405
38 / 37																		53	53	109	334
36 / 35																		29	29	44	233
34 / 33																		5	5	28	122
32 / 31																		2	2	2	70
30 / 29																				1	27
28 / 27																					13
26 / 25																					3
24 / 23																					1
TOTAL	.5	37.6	31.6	17.9	7.9	2.1	.5	.4	.2		.3	.0						2400	2400	2400	2400

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	14[illegible]3297	1843[illegible]7	76.8	17.224	2400							
Dry Bulb	[illegible]564364	114856[illegible]	47.9	5.286	2400		.6	3.0	.6			720.0
Wet Bulb	4751142	106350	44.3	4.[illegible]06	2400		.9					720.0
Dew Point	3971303	96970	40.4	4.662	2400		36.9					720.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

MAY

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible]								.1										1	1		
[illegible]								.1	.0									5	5		
[illegible]									.0									1	1		
[illegible]							.2	.1										7	7		
[illegible]					.1	.1	.2	.1										15	15		
[illegible]				.2	.3	.6	.1											22	22		
[illegible]				.4	1.0	.3	.2											45	45		
[illegible]			.0	1.7	1.4	.4	.1											89	89	4	
[illegible]		.2	1.1	2.6	2.2	.4	.2											165	165	17	
[illegible]		.4	3.7	4.4	1.9	.2												259	269	55	7
[illegible]	.2	2.3	5.2	4.6	.8	.2	.2											321	321	137	27
[illegible]	.1	4.7	8.3	2.9	.7	.1												416	416	303	61
[illegible]	.6	6.7	9.5	1.7	.2													463	463	501	211
[illegible]	1.2	7.9	5.2	.7	.0													366	366	581	404
[illegible]	.2	3.8	1.6	.2	.2													159	159	513	528
[illegible]	.6	2.3	.5															83	83	235	466
[illegible]	.4	.8	.2															34	34	82	397
[illegible]	.1	.4	.1															14	14	35	235
[illegible]		.1																3	3	11	65
[illegible]	.0	.0																2	2	6	37
[illegible]																					19
[illegible]																					6
[illegible]	7.6	29.9	35.8	18.9	8.7	2.1	.7	.4	.1										2480		2480
																		2480		2480	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]731	191447	77.3	12.[illegible]	248[illegible]							
Dry Bulb	[illegible]37466	127752	51.5	4.777	249			4.2	.7			744.2
Wet Bulb	[illegible]58[illegible]	11[illegible]44	47.3	7.443	248[illegible]							744.[illegible]
Dew Point	[illegible]89738	1[illegible]714	44.2	3.791	248[illegible]		4.[illegible]					744.[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
78 / 77								•										1	1		
74 / 73						•	•	•										5	5		
72 / 71					•	•	•	•										9	9		
72 / 69					•	•	•											21	21		
69 / 67				•	•	•	•											36	36		
66 / 65			•		•	•	•	•										35	35		
64 / 63			•	1.0	1.7	•	•											94	94	6	
62 / 61		•	•	2.0	1.7	•	•											118	118	19	1
60 / 59	•	•	2.1	4.4	1.7	•												217	217	41	4
58 / 57	•	1.3	4.6	4.0	1.6	•												294	294	102	15
56 / 55	•	2.6	7.3	3.9	•	•												367	367	248	66
54 / 53	•	2.9	7.3	1.9	•													390	380	386	11
52 / 51	•	3.7	7.3	•														430	430	530	321
50 / 49	•	2.1	3.3	•														276	276	575	517
48 / 47	•	2.5	•															79	79	359	586
46 / 45	•	1.0																26	26	104	440
44 / 43	•	•																10	10	24	232
42 / 41	•	•																2	2	5	90
40 / 39																				1	15
38 / 37																					2
TOTAL	•	31.0	34.5	18.0	8.4	3.0	1.0	•										2400	2400		2400

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1466166	184990	77.9	11.782	2400							
Dry Bulb	7395762	132333	55.1	4.044	2400			21.6	1.3			720.0
Wet Bulb	4339417	123277	51.3	3.402	2400							720.0
Dew Point	3359869	111243	46.3	3.703	2400							720.0

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PSYCHROMETRIC SUMMARY

24225 — STATION
WHIDBEY ISLAND, WA — STATION NAME
77-82 — YEARS
JUL — MONTH
PAGE 1 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
83 / 73							.0											1	1		
78 / 77								.0										1	1		
76 / 75						.0		.1	.0									5	5		
74 / 73					.1	.1	.3	.2										14	14		
72 / 71				.2	.3	.2	.2											24	24		
70 / 69				.1	.2	.7	.4											35	35		
68 / 67		.0		.2	.3	.7												49	49	1	
66 / 65			.0	1.3	1.6	.7	.0											95	95	5	1
64 / 63	.0		1.0	2.2	2.9	.4												175	175	12	1
62 / 61		.4	2.0	4.0	2.2	.1												239	239	52	3
60 / 59		1.5	4.2	4.6	.9	.2												281	281	139	13
58 / 57	.1	2.6	7.8	3.1	.2	.0												343	343	263	76
56 / 55	.0	7.4	9.7	1.2														449	449	453	174
54 / 53	1.0	10.0	4.2	.5														404	404	638	364
52 / 51	1.2	4.7	2.3	.1														259	259	538	661
50 / 49	.0	1.3	.5															76	76	276	634
48 / 47	.1	.5																23	23	93	363
46 / 45	.0	.2																5	5	29	134
44 / 43		.0																1	1	3	47
42 / 41																					15
40 / 39																					1
TOTAL	7.6	30.1	31.4	18.5	9.4	3.1	1.3	.3	.0										2479		2480
																		2479		2480	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1[illegible]1155	196492	79.2	11.163	2479							
Dry Bulb	[illegible]253753	142498	57.5	[illegible].29	2479			35.7	6.3			744.0
Wet Bulb	[illegible]181453	137[illegible]0	53.7	[illegible].12	2480			.3				744.0
Dew Point	[illegible]11763	125[illegible]63	50.5	[illegible].789	2480							744.0

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	WHIDBEY ISLAND, WA	73-[illegible]	AUG

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 81							.[illegible]		.[illegible]									2	2		
[illegible] / 79							.[illegible]	.[illegible]		.1								5	5		
[illegible] / 77						.[illegible]	.1	.[illegible]	.2									10	10		
[illegible] / 75						.[illegible]	.1	.1	.1									3	3		
[illegible] / 73					.[illegible]	.[illegible]	.1	.[illegible]										16	16		
[illegible] / 71					.1	.[illegible]	.4	.1										27	27		
[illegible] / 69			.[illegible]		.[illegible]	.[illegible]	.1											21	21	1	
[illegible] / 67			.[illegible]	.4	.[illegible]	1.[illegible]	.1											61	61	2	
[illegible] / 65			.[illegible]	1.4	1.[illegible]	.5	.[illegible]											86	86	9	
[illegible] / 63		.2	.[illegible]	3.6	[illegible].1	.3	.[illegible]											172	172	35	1
[illegible] / 61		1.1	1.[illegible]	4.4	[illegible].1	.1												233	233	56	[illegible]
[illegible] / 59	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	4.[illegible]	.[illegible]													303	303	157	38
[illegible] / 57	.3	[illegible].2	7.3	[illegible].[illegible]	.1													377	377	298	[illegible]
[illegible] / 55	1.[illegible]	[illegible].[illegible]	7.2	.7														443	443	549	22[illegible]
[illegible] / 53	1.[illegible]	1[illegible].3	[illegible].[illegible]	.3														413	413	599	494
[illegible] / 51	[illegible].1	[illegible].7	1.[illegible]															226	226	521	689
[illegible] / 49	.[illegible]	1.[illegible]	.2															55	55	194	554
[illegible] / 47	.[illegible]	.2	.															10	10	51	266
[illegible] / 45		.4	.1															11	11	10	[illegible]
[illegible] / 43																				4	24
[illegible] / 41			.															1	1	2	3
[illegible] / [illegible]																				1	
[illegible] / 37																					[illegible]
[illegible] / 35																					1
[illegible]	.[illegible]	3[illegible].[illegible]	23.[illegible]	17.[illegible]	7.[illegible]	[illegible].[illegible]	1.1	.[illegible]	.[illegible]	.1									[illegible]		[illegible]
																		24[illegible]0		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]23241	[illegible]177	[illegible].7	12.[illegible]7	24[illegible]							
Dry Bulb	[illegible]3[illegible]340	143324	57.8	[illegible].[illegible]13	24[illegible]			45.[illegible]	12.3	1.[illegible]		744.[illegible]
Wet Bulb	[illegible]324752	134[illegible]22	[illegible]4.2	3.731	24[illegible]			1.2				744.[illegible]
Dew Point	[illegible]63249[illegible]	127736	51.5	3.[illegible]63	24[illegible]							744.[illegible]

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PSYCHROMETRIC SUMMARY

2425? STATION | WHITBEY ISLAND, WA STATION NAME | ??-?? YEARS | SEP MONTH

BASE 1 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 80												•						1	1		
[illegible] / 79								•										1	1		
78 / 77								•										1	1		
76 / 75									•			•						2	2		
74 / 73						•	• 1		•									4	4		
72 / 71				•	•	•	• 1	•	•									15	15		
70 / 69			•	• 1	•	•	• 4	•		•								27	27		
[illegible] / 67			•	•	•	•	• 3	• 1										35	35	1	
66 / 65		•	•	1 •	1 •	•	• 1											85	85	3	
[illegible] / 63		• 4	1 •	1 • 2	2 •	• 7	•											130	130	10	
62 / 61	•	• 6	1 •	3 • 1	2 • 3	• 6	•											205	205	49	12
[illegible] / 59	•	1 • 7	2 •	3 • 6	1 • 2	• 1												242	242	96	32
58 / 57	• 9	2 • 9	4 •	3 • 1	• 6	•												315	315	245	94
56 / 55	• 7	4 • 9	6 • 2	2 • 4	•													344	344	371	178
[illegible] / 53	1 • 6	4 • 3	5 •	1 • 2														358	358	444	267
52 / 51	1 • 3	5 • 3	4 • 4	• 1														266	266	437	371
[illegible] / 49	1 •	3 • 6	2 • 4	• 1														181	181	370	477
[illegible] / 47	• 9	3 • 3	1 • 1															105	105	195	399
46 / 45	• 4	1 • 7	• 4															60	60	102	301
[illegible] / 43	•	•																18	18	68	167
[illegible] / 41	• 2	•																5	5	16	67
[illegible] / 39																				1	24
[illegible] / 37																					6
[illegible] / 35																					1
TOTAL	•	30 • 2	37 •	16 • 3	6 • 1	•	1 • 1	• 4	•	•		• 1						2400	2400	2400	2400

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible] 54876	192556	[illegible] • 2	17 • 33	[illegible]							
Dry Bulb	[illegible] 22517	134501	56 • 1	[illegible] • 98	2400			25 •	2 •	• 6		720 •
Wet Bulb	[illegible] 63786	124 [illegible] 96	52 •	4 • 11	[illegible]			•				720 •
Dew Point	[illegible] 5628	111146	49 • 6	4 • 252	[illegible]							720 •

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

TABLE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible] 69								•										1	1		
[illegible] 67						•												2	2		
[illegible] 65				•	• 1	• 1												5	5		
[illegible] 63				• 1	•	•												[illegible]	[illegible]		
[illegible] 61		•	•	•	•	•	• 1	•										47	47		
[illegible] 59		•	•	1 •	• 5	• 4		•										86	86	3	
[illegible] 57		•	[illegible]	1 •	•	•	• 1											161	161	31	4
[illegible] 55	•	1 •	[illegible]	[illegible]	•	•												237	237	94	24
[illegible] 53	•	[illegible]	5 •	3 •	• 6	• 1												332	332	203	67
[illegible] 51	• 6	[illegible]	5 •	1 •	• 4	•												357	357	300	176
[illegible] 49	1 •	6 • 9	[illegible]	•	•													353	353	444	317
[illegible] 47	1 •	[illegible]	[illegible]	• 6														281	281	443	366
[illegible] 45	•	[illegible]	[illegible]															197	197	350	[illegible]
[illegible] 43	1 •	[illegible]	•	•														124	124	225	321
[illegible] 41	1 •	[illegible]	•															115	115	136	281
[illegible] 39	1 •	[illegible]	• 1															86	86	121	229
[illegible] 37	•	1 •	•															55	55	72	154
[illegible] 35	•	•																21	21	43	88
[illegible] 33	•	•																9	9	12	[illegible]
[illegible] 31		•																1	1	3	14
[illegible] 29																					4
[illegible] 27																					1
[illegible]	•	1 • 4	3 • 1	1 3 •	4 •	1 •	• 2	• 1										2480		2480	2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible] 72999	[illegible] 39	72.1	11. [illegible]	[illegible]							
Dry Bulb	[illegible] 33 [illegible]	124461	50.2	6. 39	[illegible]		• 3	•				744.0
Wet Bulb	[illegible] 11 [illegible]	117370	47.3	4. [illegible]	[illegible]		• 2					744.0
Dew Point	[illegible] 994911	112617	44.6	4. 96	2490		5.7					744.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] / 67						•												1	1		
66 / 66				•	•	•1												4	4		
[illegible] / 65				•1	•2		•											7	7		
[illegible] / 64		•2	•3	•3	•2		•1											[illegible]	20		
[illegible] / 63		•2	•1	•2	•	•	•1											22	22	6	1
5[illegible] / 62		•2	•3	•	•3	•1	•											56	56	15	6
4[illegible] / 61	•1	1•	2•2	1•2	•1	•2												112	112	39	17
[illegible] / 60	•1	1•1	3•5	•2	•5	•3												154	154	67	26
[illegible] / 59	•4	2•7	4•3	1•2	•4	•2	•											234	234	129	65
[illegible] / 58	1•2	4•2	4•1	2•4	•7	•1												299	299	221	125
[illegible] / 57	•7	4•5	5•2	1•2	•3	•2												314	314	248	131
[illegible] / 56	1•	1•1	3•7	1•5	•3	•2												285	285	344	205
[illegible] / 55	1•3	3•3	2•7	1•2	•7													208	208	316	239
[illegible] / 54	1•2	2•2	1•7	•4	•3													146	186	276	291
[illegible] / 53	1•7	2•7	1•5	•2	•2	•												122	122	202	254
[illegible] / 52	•6	2•6	•7	•2	•3													106	106	145	226
[illegible] / 51	•7	2•1	•4	•2	•2													89	89	119	164
[illegible] / 50	•4	1•4	•5	•2														60	60	81	161
[illegible] / 49	•3	1•3	•3	•2														47	47	76	109
[illegible] / 48	•4	•7	•2	•2														33	33	45	86
[illegible] / 47	•2	•5	•1															21	21	39	54
[illegible] / 46	•2	•2	•2															12	12	12	44
[illegible] / 45	•	•1																4	4	19	26
[illegible] / 44		•1																3	3		34
[illegible] / 43		•																1	1	3	17
[illegible] / 42																				1	13
[illegible] / 41																					1
[illegible] / 40																					1
[illegible] / [illegible]																					•
[illegible]	1•3	•4	32•1	13•3	4•5	1•2	•2												2400		2399
																		2400		2400	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	1[illegible]24373	18[illegible]867	78.7	12.75	2[illegible]99							
Dry Bulb	4[illegible]37[illegible]	1[illegible]23	63.1	7.165	24[illegible]		[illegible]4.7					729.[illegible]
Wet Bulb	[illegible]12[illegible]4	[illegible]4274	4[illegible]	[illegible].32	24[illegible]		[illegible]					729.[illegible]
Dew Point	[illegible]873 47	8[illegible]93	37.[illegible]	7.[illegible]15	2[illegible]99		177.					730.[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
			•															1	1		
		•	•	•															3		
		•																	7		
		•	•	•		•												15	15		
		•	1 • 1	•		•												51	51	7	
	•	•	1 •	•	•	•												102	102		
	•	•	3 •	1 •	•	•												216	216		
	•	•	3 •	1 •	•													301	301		
	•	•	3 •	1 •	•	•												321	321		
	•	•	3 •	1 •	•													331	331		
	•	•	3 •	1 •	•	•												291	291		
	•	•	2 •	•	•													210	210		
	•	•	1 •	•	•													161	161		
	•	•	1 •	•														120	120		
	•	•	•	•	•													95	95		
	•	•	•	•														71	71		
	•	1 •	•															51	51		
	•	1 •	•	•														39	39		
	•	•	•	•														15	15		
		•	•															9	9		
		•	•	•														7	7		
			•															4	4		
		•	•															7	7		
		•	•															5	5		
			•															1	1		
		•																3	3		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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4

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

DEC

FACE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												2476	2477	2476	2476

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	11.752	2476							
Dry Bulb	496523	[illegible]	42.4	6.752	2477		[illegible]					[illegible]
Wet Bulb	[illegible]	[illegible]	39.9	6.154	2476		[illegible]					[illegible]
Dew Point	[illegible]	[illegible]	36.5	7.922	2476	1.5	115.1					[illegible]

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NAVAIR 2097-54321

4

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

ALL

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
[illegible] / [illegible]												•						1	1		
[illegible] / [illegible]							•		•									2	2		
[illegible] / [illegible]							•	•		•								7	7		
[illegible] / [illegible]						•	•	•	•			•						14	14		
[illegible] / [illegible]						•	•	•	•			•						15	15		
[illegible] / [illegible]					•	•	•	•	•		•							41	41		
[illegible] / [illegible]				•	•	•	•	•	•		•							83	83		
[illegible] / [illegible]			•	•	•	•	•	•	•	•	•							111	111	1	
[illegible] / [illegible]		•	•	•	•	•	•	•										190	193	9	
[illegible] / [illegible]		•	•	•	•	•	•	•	•									324	324	17	1
[illegible] / [illegible]	•	•	•	•	•	•	•	•	•	•								627	627	53	3
[illegible] / [illegible]	•	•	•	•	•	•	•	•	•									920	920	176	21
[illegible] / [illegible]	•	•	•	•	•	•	•	•										1271	1271	443	57
[illegible] / [illegible]	•	•	•	•	•	•	•	•										1767	1767	965	284
[illegible] / [illegible]	•	•	•	•	•	•	•											2344	2364	1808	698
[illegible] / [illegible]	•	•	•	•	•	•	•	•										2716	2716	2494	1349
[illegible] / [illegible]	•	•	•	•	•	•	•											2791	2791	2877	2389
[illegible] / [illegible]	•	•	•	•	•	•	•											2665	2665	2962	2951
[illegible] / [illegible]	•	•	•	•	•	•	•											2675	2675	2870	2910
[illegible] / [illegible]	•	•	•	•	•	•	•											2443	2443	2809	2775
[illegible] / [illegible]	•	•	•	•	•	•	•											2096	2096	2612	2463
[illegible] / [illegible]	•	•	•	•	•	•	•											1741	1741	2447	2375
[illegible] / [illegible]	•	•	•	•	•	•												1224	1224	2009	2447
[illegible] / [illegible]	•	•	•	•	•	•												944	944	1406	2134
[illegible] / [illegible]	•	•	•	•	•	•												646	646	963	1665
[illegible] / [illegible]	•	•	•	•	•													484	484	723	1303
[illegible] / [illegible]	•	•	•	•	•													350	350	508	939
[illegible] / [illegible]	•	•	•	•														248	248	377	679
[illegible] / [illegible]	•	•	•	•														170	170	227	477
[illegible] / [illegible]	•	•	•	•														119	119	189	298
[illegible] / [illegible]	•	•	•	•														61	61	130	232
[illegible] / [illegible]	•	•	•	•														37	37	69	186
[illegible] / [illegible]	•	•	•															32	32	44	140
[illegible] / [illegible]	•	•	•															21	21	27	67

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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NAVMET 2097 (5-73)

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
1 / 1																		11	11		
1 / 1																		6	6		
1 / 11																		4	4		
1 /																		1	1		
/																					
/																					
/																					
/																					
/ - 1																					
- / -																					
- / -																					
TOTAL																		29211	29211		29211
																		29211		29211	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1 [illegible] 86453	2311 89	79.1	13.127	29211							
Dry Bulb	72526455	14337 7	49.1	[illegible].401	29211		717.8	139.2	24.[illegible]	2.1		8760.[illegible]
Wet Bulb	[illegible]7152[illegible]75	133[illegible]521	45.9	7.691	29211		471.6	1.[illegible]				8760.[illegible]
Dew Point	547[illegible]6722	124[illegible]356	42.5	[illegible].531	29211	1.[illegible]	1009.5					8760.[illegible]

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10/71 2097-54321

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24[illegible] WHIDBEY ISLAND, WA 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	37.7	40.5	42.2	44.6	48.1	51.3	53.5	54.2	52.3	47.2	42.1	41.5	46.3
	S. D.	[illegible].094	5.930	4.998	3.996	3.128	2.549	2.525	2.855	3.863	5.599	7.511	6.928	7.472
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	37.3	39.9	41.3	43.4	47.0	50.4	52.6	53.4	51.3	46.7	41.5	41.0	45.5
	S. D.	4.053	6.090	5.285	4.125	3.391	2.867	2.795	3.083	4.132	5.595	7.665	7.155	7.479
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	37.0	39.5	41.0	45.1	49.9	53.5	55.8	55.5	52.9	47.0	41.5	40.9	46.7
	S. D.	4.105	6.207	5.306	3.908	3.169	3.330	3.261	3.275	3.753	5.531	7.692	7.246	8.346
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	39.9	43.2	46.2	49.7	53.3	56.8	59.1	59.4	58.8	52.7	45.3	42.9	50.6
	S. D.	5.537	5.231	3.996	4.134	3.766	3.688	3.809	4.135	3.969	3.911	5.948	6.070	8.209
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	42.0	46.1	49.1	52.4	55.8	59.7	62.5	62.5	61.9	55.4	48.0	45.3	53.5
	S. D.	5.597	4.718	4.041	4.545	4.021	4.091	4.170	4.872	4.363	4.212	5.364	5.315	8.395
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	42.1	45.9	49.3	52.7	55.9	60.1	62.7	63.2	61.7	54.3	46.8	44.2	53.3
	S. D.	5.950	4.498	4.271	4.662	4.231	4.700	4.412	5.015	4.484	3.991	5.344	5.408	8.698
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
19	MEAN	39.0	42.4	45.1	48.9	52.5	56.5	58.8	58.8	56.3	50.2	43.4	41.9	49.5
	S. D.	7.351	5.101	3.519	3.671	3.754	3.819	3.662	4.019	3.298	4.267	7.005	7.053	8.395
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	38.2	41.0	43.1	46.1	49.5	52.8	54.9	55.4	53.5	48.0	42.3	41.6	47.2
	S. D.	7.656	5.719	4.421	3.659	2.810	2.695	2.657	3.026	3.356	5.173	7.111	7.211	7.600
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	39.3	42.3	44.7	47.9	51.5	55.1	57.5	57.8	56.1	50.2	43.8	42.4	49.1
	S. D.	7.545	5.970	5.478	5.287	4.778	4.948	5.029	5.213	5.591	5.840	7.166	6.756	8.602
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2479	2480	2400	2480	2400	2477	29212

MEANS AND STANDARD DEVIATIONS

...ET-...ULE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24259 WHIDBEY ISLAND, WA 77-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	35.7	38.4	39.9	42.4	45.8	49.1	51.3	52.0	50.1	45.2	39.8	39.3	44.1
	S. D.	7.825	5.710	4.734	3.797	2.963	2.353	2.329	2.484	3.814	4.997	7.053	6.675	7.268
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
4	MEAN	35.5	38.0	39.2	41.6	45.0	48.5	50.8	51.6	49.5	45.0	39.3	38.9	43.6
	S. D.	7.877	5.849	4.974	3.993	3.201	2.711	2.653	2.814	4.029	5.010	7.185	6.900	7.352
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
7	MEAN	35.3	37.7	39.1	43.2	47.5	50.9	53.6	53.7	51.2	45.3	39.3	38.6	44.6
	S. D.	7.983	5.886	5.009	3.679	2.849	2.612	2.574	2.651	3.543	4.857	7.212	6.962	8.108
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	37.6	40.5	42.6	45.5	48.9	52.5	55.0	55.5	54.7	49.7	42.3	40.5	47.1
	S. D.	6.719	4.940	3.832	3.367	2.945	2.851	2.653	2.579	2.944	3.409	5.743	6.029	7.456
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
13	MEAN	39.3	41.9	43.9	46.8	50.1	53.8	56.4	56.9	55.9	50.6	43.6	41.9	48.5
	S. D.	6.285	4.490	3.683	3.478	3.156	3.127	2.868	2.820	3.052	3.500	5.310	5.551	7.321
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	38.7	41.7	43.9	46.8	50.1	53.9	56.4	57.1	55.7	49.8	42.8	41.1	48.2
	S. D.	6.323	4.492	3.768	3.496	3.026	3.245	2.886	3.008	3.078	3.403	5.409	5.665	7.520
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
19	MEAN	36.6	39.6	41.7	44.8	48.3	51.9	54.2	54.5	52.4	47.3	40.7	39.5	46.0
	S. D.	7.265	5.176	3.715	3.144	2.877	2.999	2.604	2.679	2.956	3.877	6.658	6.836	7.585
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	36.1	38.8	40.5	43.4	46.7	49.8	52.0	52.7	50.8	45.8	39.9	39.4	44.7
	S. D.	7.546	5.480	4.317	3.420	2.685	2.430	2.253	2.419	3.351	4.626	6.677	6.990	7.257
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	36.9	39.6	41.4	44.3	47.6	51.3	53.7	54.2	52.5	47.3	40.9	39.9	45.9
	S. D.	7.386	5.492	4.655	4.007	3.449	3.403	3.320	3.331	4.119	4.800	6.632	6.555	7.692
	TOTAL OBS	2423	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2476	29212

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24[illegible] | [illegible]HIDBEY ISLAND, WA | 73-82

STATION | STATION NAME | YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
[illegible]1	MEAN	[illegible]2.[illegible]	35.5	36.9	39.8	43.5	47.1	49.6	50.3	48.3	43.2	36.8	36.4	41.7
	S. D.	[illegible].427	6.966	5.607	4.499	3.583	2.691	2.[illegible]92	2.757	4.399	5.128	7.972	7.827	8.219
	TOTAL OBS	31[illegible]	282	31[illegible]	300	310	300	310	[illegible]10	300	310	299	310	3651
[illegible]4	MEAN	[illegible]2.4	35.[illegible]	36.4	39.4	43.1	47.[illegible]	49.5	5[illegible].2	48.[illegible]	43.2	[illegible]6.4	36.1	41.4
	S. D.	[illegible].549	7.109	5.576	4.586	3.794	3.[illegible]22	2.847	3.[illegible]64	4.[illegible]02	5.090	8.106	7.907	8.331
	TOTAL OBS	310	28[illegible]	310	300	31[illegible]	300	310	[illegible]10	300	310	300	310	3652
[illegible]7	MEAN	[illegible]2.[illegible]	35.[illegible]	36.5	41.0	45.[illegible]	48.6	52.0	52.4	49.9	43.5	36.4	35.6	42.4
	S. D.	[illegible].664	6.852	5.611	4.427	3.572	2.742	2.698	2.711	3.861	5.099	8.186	8.083	5.991
	TOTAL OBS	31[illegible]	28[illegible]	31[illegible]	300	310	300	310	310	300	310	300	310	3652
[illegible]0	MEAN	34.[illegible]	37.[illegible]	38.[illegible]	41.1	44.7	48.8	51.[illegible]	52.6	51.4	46.9	38.5	37.[illegible]	43.6
	S. D.	[illegible].132	6.618	5.773	4.584	3.611	3.238	2.889	2.694	3.918	4.306	7.622	7.752	8.450
	TOTAL OBS	310	28[illegible]	31[illegible]	300	31[illegible]	300	310	31[illegible]	300	310	300	309	3651
[illegible]3	MEAN	34.[illegible]	36.6	37.6	41.[illegible]	44.5	48.8	51.7	52.7	51.1	46.2	38.2	37.6	43.4
	S. D.	[illegible].531	7.379	6.091	4.998	4.261	3.923	3.298	2.911	3.973	4.626	7.805	7.869	8.695
	TOTAL OBS	310	28[illegible]	310	300	310	300	31[illegible]	310	300	310	300	310	3652
[illegible]6	MEAN	[illegible]3.6	36.[illegible]	37.[illegible]	40.5	44.6	48.6	51.6	52.4	50.[illegible]	45.7	37.9	37.[illegible]	43.1
	S. D.	[illegible].553	7.539	6.067	5.151	3.963	3.686	3.309	3.232	4.069	4.489	7.718	7.817	8.727
	TOTAL OBS	31[illegible]	28[illegible]	31[illegible]	300	310	300	31[illegible]	[illegible]10	300	310	300	309	3651
[illegible]9	MEAN	32.[illegible]	35.[illegible]	37.[illegible]	40.3	44.1	47.9	5[illegible].4	51.[illegible]	49.1	44.4	[illegible]7.1	36.3	42.3
	S. D.	[illegible].423	7.162	5.487	4.495	3.666	3.380	2.963	2.916	3.827	4.460	7.906	7.943	8.379
	TOTAL OBS	310	28[illegible]	310	300	31[illegible]	300	31[illegible]	310	300	310	300	309	3651
[illegible]2	MEAN	32.[illegible]	35.6	37.[illegible]	40.[illegible]	43.9	47.2	49.6	5[illegible].4	48.6	43.7	36.7	36.5	41.9
	S. D.	[illegible].335	6.[illegible]88	5.419	4.344	3.406	2.797	2.626	2.[illegible]06	3.973	4.913	7.806	8.112	8.175
	TOTAL OBS	310	24[illegible]	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	[illegible]3.[illegible]	35.[illegible]	37.2	40.4	44.2	48.[illegible]	50.[illegible]	51.5	49.6	44.6	[illegible]7.2	[illegible]6.[illegible]	42.5
	S. D.	[illegible].463	7.[illegible]87	5.727	4.67[illegible]	3.792	3.301	[illegible].090	3.063	4.252	4.960	7.919	7.926	8.531
	TOTAL OBS	24[illegible]	2256	248[illegible]	24[illegible]	2480	2400	248[illegible]	2480	2400	2480	[illegible]399	2476	29211

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.4	99.0	97.1	91.6	82.9	65.5	29.7	82.3	310
	04	100.0	100.0	100.0	98.7	97.1	93.9	84.2	67.4	33.9	83.6	310
	07	100.0	100.0	100.0	99.4	96.5	92.6	86.5	70.3	35.2	84.0	310
	10	100.0	100.0	100.0	98.1	94.2	88.7	79.0	59.4	26.5	80.6	310
	13	100.0	100.0	99.0	91.9	87.1	79.4	60.6	37.1	14.2	72.6	310
	16	100.0	100.0	99.4	95.8	89.7	79.0	61.3	37.4	13.9	73.4	310
	19	100.0	100.0	100.0	98.7	93.9	88.7	77.7	52.6	19.7	79.1	310
	22	100.0	100.0	99.7	98.4	96.8	91.9	80.3	61.3	27.4	81.5	310
TOTALS		100.0	100.0	99.7	97.5	94.1	88.2	76.6	56.4	25.1	79.7	2480

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	1	100.0	100.0	100.0	99.3	97.2	94.0	85.5	67.7	27.7	83.3	282
	4	100.0	100.0	100.0	99.6	97.2	94.0	86.9	70.9	30.9	83.9	282
	7	100.0	100.0	100.0	99.6	98.6	95.4	90.1	73.8	34.0	85.3	282
	10	100.0	100.0	100.0	98.9	97.2	91.4	79.4	56.2	27.0	80.0	282
	13	100.0	99.6	98.9	96.8	87.9	75.5	56.0	33.3	11.3	71.4	282
	16	100.0	100.0	97.9	95.4	89.0	75.2	56.0	29.8	8.9	70.7	282
	19	100.0	100.0	99.6	98.2	95.7	91.1	79.1	49.3	13.1	78.5	282
	22	100.0	100.0	99.6	98.9	97.9	95.0	83.7	62.1	20.9	81.8	282
TOTALS		100.0	100.0	99.3	98.3	95.1	88.8	77.0	55.4	21.0	79.4	2256

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	77-82	MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	01	[illegible]	100.0	100.0	[illegible]9.7	97.7	95.8	89.7	61.3	[illegible]7.0	82.1	310
	[illegible]	[illegible]7.0	100.0	100.0	[illegible]9.4	[illegible]9.0	97.1	90.3	65.2	24.5	83.6	310
	[illegible]	100.0	[illegible]0.0	100.0	100.0	99.7	97.7	91.9	63.1	31.0	[illegible]4.7	310
	[illegible]	100.0	100.0	99.7	[illegible]8.7	93.5	[illegible]6.5	67.7	31.9	11.3	74.9	310
	[illegible]	100.0	100.0	99.0	[illegible]6.1	87.1	65.8	41.[illegible]	14.2	4.2	65.9	310
	[illegible]	100.0	[illegible]9.7	99.0	[illegible]6.1	82.9	62.3	38.4	13.9	4.8	65.4	310
	[illegible]	[illegible]0.0	[illegible]0.0	100.0	[illegible]9.4	[illegible]6.8	[illegible]0.6	69.4	32.9	8.1	75.4	310
	[illegible]	[illegible]0.0	[illegible]0.0	100.0	[illegible]9.4	98.4	[illegible]6.5	[illegible]5.5	51.3	[illegible]5.5	[illegible]0.3	310
TOTALS		[illegible]0.0	[illegible]0.0	99.7	[illegible]8.6	[illegible]4.4	[illegible]6.5	71.7	42.4	[illegible]4.9	76.5	[illegible]

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	WHITBEY ISLAND, NJ	[illegible]	APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	100.0	100.0	[illegible]	100.0	98.0	92.0	61.0	24.3	83.9	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	93.3	73.3	33.3	86.1	300
	[illegible]	100.0	100.0	100.0	100.0	99.7	99.0	93.3	71.3	34.7	86.0	300
	[illegible]	100.0	100.0	99.7	98.7	97.0	87.7	61.3	25.0	7.3	73.4	300
	[illegible]	100.0	99.7	98.7	97.3	91.3	69.3	36.3	11.7	3.3	66.4	300
	[illegible]	100.0	100.0	98.3	95.7	88.0	67.3	30.0	11.3	1.3	64.9	300
	[illegible]	100.0	100.0	100.0	98.7	96.7	86.3	62.7	24.0	5.7	73.2	300
	[illegible]	100.0	100.0	100.0	100.0	98.7	97.0	86.0	45.7	16.3	80.5	300
TOTALS		100.0	100.0	99.6	98.8	96.4	88.0	69.4	40.7	15.8	76.8	2400

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

[illegible]	[illegible]	[illegible]	MAY
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	96.5	66.1	22.3	84.6	310
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	98.1	76.5	31.6	86.6	310
	[illegible]	100.0	100.0	100.0	100.0	99.7	99.0	93.9	64.2	26.1	84.4	310
	[illegible]	100.0	100.0	100.0	99.7	99.4	88.1	60.3	21.3	5.5	73.4	310
	[illegible]	100.0	100.0	100.0	99.0	92.9	72.3	37.7	10.3	1.3	66.9	310
	[illegible]	100.0	100.0	100.0	98.7	91.6	69.0	39.0	9.7	1.3	66.9	310
	[illegible]	100.0	100.0	100.0	100.0	96.8	91.0	66.1	20.0	4.8	73.8	310
	[illegible]	100.0	100.0	100.0	100.0	100.0	96.7	92.9	57.6	11.6	81.5	310
TOTALS		100.0	100.0	100.0	99.7	97.6	88.7	73.1	39.8	13.1	77.3	2480

OCEANAV—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	100.0	98.7	77.4	20.2	86.7	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.2	41.6	89.3	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	97.7	79.0	35.8	87.4	310
	10	100.0	100.0	100.0	100.0	100.0	96.8	75.5	37.1	7.4	77.4	310
	13	100.0	100.0	100.0	100.0	97.1	79.7	39.0	10.6	1.6	69.7	310
	16	100.0	100.0	100.0	100.0	95.8	74.4	36.8	13.4	1.3	67.8	309
	19	100.0	100.0	100.0	100.0	99.0	93.2	67.4	22.6	2.3	74.3	310
	22	100.0	100.0	100.0	100.0	100.0	99.7	93.9	57.7	9.7	82.4	310
TOTALS		100.0	100.0	100.0	100.0	99.0	97.1	75.4	47.3	15.5	79.3	2479

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%		
									74.7	53.5	87.2	310
									84.2	62.3	89.3	310
								87.7	85.2	46.5	89.7	310
								77.1	43.2	15.5	74.0	310
									24.2		71.4	310
									17.1	2.6	69.1	310
									37.6	6.1	76.1	310
									65.8	15.8	83.7	310
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	73-[illegible]	SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]	70.3	35.7	86.7	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	98.7	77.3	45.0	80.7	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	99.3	78.0	52.7	89.8	300
	[illegible]	100.0	100.0	99.7	99.3	97.7	94.0	72.3	39.3	16.0	77.7	300
	[illegible]	100.0	100.0	99.7	98.7	95.3	76.7	39.7	17.0	4.7	69.0	300
	[illegible]	100.0	100.0	99.7	98.3	94.0	75.0	42.0	13.0	3.7	68.6	300
	[illegible]	100.0	100.0	100.0	99.7	99.3	93.3	75.7	36.0	9.7	77.4	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	96.3	56.7	24.7	84.0	300
TOTALS		[illegible]	[illegible]	99.9	[illegible]	98.3	92.3	77.7	49.1	24.0	80.2	2400

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible] ISLAND, SC	[illegible]	OCT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	98.4	96.5	76.8	30.4	86.6	310
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	96.8	77.1	45.2	88.0	310
	[illegible]	100.0	100.0	100.0	100.0	99.0	98.4	94.0	77.4	47.1	88.4	310
	[illegible]	100.0	100.0	100.0	100.0	98.7	95.5	82.6	52.9	23.5	81.4	310
	[illegible]	100.0	100.0	100.0	99.0	96.5	83.9	54.2	24.5	6.5	72.3	310
	[illegible]	100.0	100.0	100.0	99.7	97.4	91.0	60.0	22.9	5.4	73.6	310
	[illegible]	100.0	100.0	100.0	100.0	99.7	95.1	89.7	57.0	13.9	81.2	310
	[illegible]	100.0	100.0	100.0	100.0	100.0	97.7	95.5	70.0	30.3	85.4	310
TOTALS		[illegible]	100.0	100.0	99.5	95.9	91.3	87.8	56.5	26.7	82.1	2480

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.1	82.3	279
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.7	67.3	42.3	23.7	[illegible]	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33.3	83.1	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.0	46.7	22.3	78.3	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.0	52.3	23.3	9.0	70.2	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.3	61.3	25.7	[illegible]	72.6	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.3	79.3	49.7	15.7	79.2	300
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.3	83.7	60.0	22.7	81.3	300
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.8	2389

OCEANAV–SMOS

4

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%		
DEC	1	100.0	100.0	100.0	100.0	99.7	97.1	87.7	62.9	25.2	82.8	310
	7	100.0	100.0	100.0	100.0	99.4	96.8	86.8	64.5	28.4	83.4	310
	13	100.0	100.0	100.0	100.0	99.7	95.2	85.2	59.4	26.1	82.5	310
	19	100.0	100.0	100.0	99.0	97.4	93.2	82.5	58.3	27.2	81.4	309
	1	100.0	100.0	100.0	98.4	95.5	87.7	67.4	36.8	12.6	75.4	310
	7	100.0	100.0	100.0	98.7	96.4	86.0	69.9	38.2	14.9	76.6	309
	13	100.0	100.0	100.0	99.7	99.4	96.1	85.4	56.0	18.4	81.2	309
	19	100.0	100.0	100.0	100.0	99.0	96.1	88.0	62.8	23.6	82.9	309
TOTALS		100.0	100.0	100.0	99.5	98.1	93.7	81.6	54.9	22.1	80.8	2476

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	WHITEHEAD ISLAND, FL	73-82	ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	ALL	[illegible]	[illegible]	99.7	[illegible]	[illegible]	[illegible]	76.6	56.4	25.1	79.7	[illegible]
[illegible]		[illegible]	[illegible]	99.5	[illegible]	[illegible]	[illegible]	77.0	55.4	21.0	79.4	2256
[illegible]		[illegible]	[illegible]	99.7	[illegible]	[illegible]	[illegible]	71.7	42.4	14.9	76.5	[illegible]
[illegible]		[illegible]	[illegible]	99.6	[illegible]	[illegible]	[illegible]	69.4	[illegible]	15.8	76.8	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.1	39.8	[illegible]	77.3	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.9	42.0	12.2	77.9	2400
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.4	47.8	[illegible]	79.3	2479
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	98.3	93.1	79.2	53.6	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.7	49.1	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.5	26.7	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.6	54.9	27.1	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	99.7	[illegible]	97.0	[illegible]	76.5	48.9	[illegible]	79.1	[illegible]

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] | [illegible] | JAPAN [illegible] 1962 | JULY

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

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				100.0						[illegible]	.1
57 TO 61				66.7	33.3					[illegible]	.2
52 TO 56			3.1	43.6	49.4	1.6	3.1		3.1	[illegible]	3.6
47 TO 51	3.8		7.3	39.7	25.8	1.3	9.6	5.6	7.6	[illegible]	12.2
42 TO 46	4.6	.4	11.9	34.7	15.7	2.0	13.6	7.3	9.7	713	28.7
37 TO 41	6.1	3.[illegible]	14.5	37.3	6.[illegible]	1.2	5.1	3.7	20.7	644	26.0
32 TO 36	5.0	5.0	28.1	30.3	3.9	.6	.6	1.4	24.2	360	14.5
27 TO 31	7.3	6.7	39.7	25.1	.9		.9		17.4	212	8.8
22 TO 26	10.0	1.[illegible]	39.0	27.3	.9				32.[illegible]	11[illegible]	4.4
17 TO 21	2.1	6.3	43.8	39.4	2.1				25.0	48	1.9
12 TO 16			5[illegible].0	8.3					41.7	1[illegible]	.5
7 TO 11			100.0							[illegible]	.[illegible]
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	[illegible].1	2.6	19.2	34.1	11.4	1.2	[illegible].2	4.[illegible]	1[illegible].2	24[illegible]	100.[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | [illegible] NEW ORLEANS, LA | JANUARY 1973-DECEMBER 1982 (YEARS) | FEBRUARY (MONTH) | HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61				33.3	55.6	11.1				9	.4
52 TO 56	2.7	.9	3.6	51.3	30.1	.9	2.7	1.8	.9	113	5.0
47 TO 51	3.9	.5	7.9	41.6	25.2	1.4	6.3	6.2	6.4	436	19.3
42 TO 46	5.7	1.5	9.0	29.6	30.0	2.7	11.6	8.5	12.4	785	34.8
37 TO 41	5.4	4.3	12.4	29.8	13.6	1.3	4.1	4.5	18.2	537	23.8
32 TO 36	2.6	6.3	29.9	26.7	3.3	1.1		.7	30.4	270	12.0
27 TO 31	4.6	6.9	14.4	33.3	4.6				32.2	87	3.9
22 TO 26	5.3	5.3	10.5	57.9					21.1	19	.8
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
59 & LWR											
TOTALS	4.7	3.7	14.4	32.3	17.2	1.7	5.3	4.4	11.2	2311	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ [illegible] ISLAND, [illegible] YEARS JANUARY 1973-DECEMBER 1980 MONTH MARCH HOURS [illegible]

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66			[illegible].6	42.[illegible]	[illegible]9.6					[illegible]	.[illegible]
57 TO 61	5.6	11.1	11.1	33.3	16.7			11.1	11.1	1[illegible]	.7
52 TO 56	7.2	1.0	3.6	22.6	32.8	2.6	10.3	16.[illegible]	3.1	19[illegible]	7.9
47 TO 51	7.9	.6	4.3	[illegible]0.2	31.1	3.[illegible]	1[illegible].6	17.3	8.7	6[illegible]	27.9
42 TO 46	9.2	.6	5.9	18.9	18.1	2.4	16.8	14.1	14.1	[illegible]87	39.6
37 TO 41	6.1	1.8	17.6	27.7	13.7	1.[illegible]	4.3	3.6	24.2	[illegible]3[illegible]	15.8
32 TO 36	5.5	.7	23.8	30.6	3.4		.7	.7	29.5	146	5.9
27 TO 31	11.1		25.0	27.8					36.1	36	1.5
22 TO 26	[illegible]1.0			[illegible]1.0					[illegible]8.0	1[illegible]	.4
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	[illegible].[illegible]	.6	[illegible].8	[illegible]2.[illegible]	19.2	[illegible].3	13.[illegible]	12.[illegible]	14.6	[illegible]48[illegible]	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ STATION NAME _____ YEAR _____ MONTH _____ HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81			100.0							1	.3
72 TO 76			[illegible].0		[illegible].0					[illegible]	.1
67 TO 71	14.3		[illegible].6	14.3	[illegible].6			14.3		7	.3
62 TO 66	23.1			15.4	15.4	15.4	15.4	7.7	7.7	13	.5
57 TO 61	6.3		[illegible].1	[illegible].1	12.7	3.[illegible]	31.6	17.9	4.2	[illegible]	4.3
52 TO 56	[illegible].4	.2	2.3	11.[illegible]	14.7	[illegible].7	29.6	22.7	5.9	4[illegible]	17.6
47 TO 51	5.1	.6	2.9	12.1	14.2	6.[illegible]	28.5	14.2	13.6	9[illegible]	37.0
42 TO 46	4.3	.5	7.[illegible]	17.6	18.6	3.5	19.3	12.3	11.5	74[illegible]	30.8
37 TO 41	1.[illegible]	.5	19.3	28.9	12.2	1.5	2.[illegible]	2.[illegible]	31.5	1[illegible]	9.[illegible]
32 TO 36	2.9		25.7	45.7			2.9		22.9	[illegible]	1.5
27 TO 31			100.0							1	.3
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	[illegible].[illegible]	[illegible]	[illegible]	[illegible]	12.1	[illegible]	27.7	[illegible]	[illegible].[illegible]	[illegible]	[illegible].[illegible]

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | STATION NAME | YEAR | MONTH | HOUR (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	20.0		[illegible]		40.0			20.0		5	.2
67 TO 71	11.1				11.1		55.6	22.2		9	.4
62 TO 66	4.0			4.0	12.0	8.0	34.0	28.0	12.0	50	2.0
57 TO 61	3.5		1.0	2.0	10.1	3.1	39.2	33.8	4.2	286	11.5
52 TO 56	2.9	.4	1.4	9.3	10.9	9.2	35.2	19.8	9.3	796	32.1
47 TO 51	2.0	.1	3.4	10.5	10.6	12.6	35.1	11.5	14.1	1039	41.9
42 TO 46	1.5	.8	16.0	21.3	11.0	3.4	10.6	5.3	22.1	263	10.6
37 TO 41		3.3	40.0	16.7	6.7	3.3			30.0	30	1.2
32 TO 36			50.0	50.0						2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	2.3	.3	4.2	10.9	10.7	9.3	33.7	15.1	13.3	2491	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | [illegible] ISLAND, GA | JANUARY 1971-DECEMBER 1982 | JULY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81							100.0			1	.2
72 TO 76							75.3	33.3	33.3	4	.9
67 TO 71	7.7		1.5	6.2	9.2		32.4	36.9	3.1	65	7.7
62 TO 66	4.8		1.1	5.3	11.2	5.3	41.1	28.2	3.2	188	7.9
57 TO 61	2.6		1.9	7.2	7.7	8.8	44.4	21.4	5.3	577	23.8
52 TO 56	2.2		3.2	9.5	6.5	17.	35.4	10.6	14.6	989	41.2
47 TO 51	1.1		5.9	8.5	5.9	15.4	33.3	6.5	19.5	544	22.7
42 TO 46		2.7	18.9	27.0	8.1	2.7		5.4	35.1	37	1.5
37 TO 41				100.0						1	.2
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											
53 & LWR											
TOTALS	2.4	.7	7.5	7.0	5.3	17.3	37.4	14.1	13.	24	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | STATION NAME | JANUARY 1977-DECEMBER 1980 (YEAR) | JULY (MONTH) | HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					[illegible]			[illegible]			.1
72 TO 76				[illegible]			[illegible]	45.4	[illegible]	[illegible]	1.0
67 TO 71	4.5			[illegible]	13.4	2.[illegible]	33.7	42.6	1.[illegible]	131	4.1
62 TO 66	2.4		1.1	4.3	5.9	4.1	42.2	33.5	[illegible].5	[illegible]	14.2
57 TO 61	2.4	.1	1.3	7.2	[illegible].7	12.[illegible]	40.2	19.[illegible]	11.[illegible]	[illegible]	30.[illegible]
52 TO 56	2.6	.2	1.[illegible]	[illegible].[illegible]	4.4	20.[illegible]	37.1	7.6	21.[illegible]	1026	41.4
47 TO 51	1.1		7.6	9.7	[illegible].4	12.4	37.[illegible]	2.2	34.[illegible]	1[illegible]	7.5
42 TO 46			16.7	50.[illegible]					33.3	[illegible]	.[illegible]
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.4	.1	[illegible].9	[illegible].3	[illegible].4	14.[illegible]	[illegible].7	16.4	16.[illegible]	[illegible]47[illegible]	[illegible].[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] STATION | [illegible] STATION NAME | JANUARY 1973-DECEMBER 1982 YEAR | AUGUST MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	5.0						2[illegible].4	64.7		17	.7
72 TO 76	7.7				12.[illegible]		11.4	53.[illegible]	1[illegible].3	[illegible]3	1.[illegible]
67 TO 71	2.1			3.[illegible]	17.0	3.2	2[illegible].7	38.3	7.4	[illegible]4	3.[illegible]
62 TO 66	4.2		1.[illegible]	5.[illegible]	9.7	4.5	36.8	3[illegible].[illegible]	[illegible].4	[illegible]3[illegible]	13.[illegible]
57 TO 61	4.3	.1	2.[illegible]	7.7	11.[illegible]	1[illegible].[illegible]	29.0	15.5	16.8	791	31.9
52 TO 56	2.6	.2	2.3	6.5	7.6	18.1	31.6	[illegible].[illegible]	25.3	1[illegible]1[illegible]	41.1
47 TO 51	2.3		7.[illegible]	9.4	3.1	9.4	14.[illegible]	[illegible].9	5[illegible].[illegible]	12[illegible]	5.[illegible]
42 TO 46			.[illegible]	41.7					5[illegible].[illegible]	1[illegible]	.5
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	[illegible].4	.[illegible]	[illegible].	[illegible].	[illegible].4	13.1	[illegible].[illegible]	1[illegible].	[illegible].	[illegible]4	1[illegible].

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ STATION NAME _____ YEAR _____ MONTH _____

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				[illegible]						[illegible]	[illegible]
77 TO 81				[illegible]	[illegible]					[illegible]	[illegible]
72 TO 76	[illegible]			[illegible]	[illegible]			[illegible]		[illegible]	[illegible]
67 TO 71	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62 TO 66	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57 TO 61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52 TO 56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47 TO 51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42 TO 46			[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
37 TO 41				[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
32 TO 36											
27 TO 31											
22 TO 26											
[illegible] TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
[illegible] TO [illegible]											
[illegible] TO -4											
[illegible] TO -9											
[illegible] TO -14											
-2[illegible] TO -19											
-25 TO -24											
[illegible] TO -29											
-30 TO -34											
-[illegible] TO -39											
[illegible] TO -44											
-[illegible] TO -49											
-[illegible] TO -54											
[illegible]											
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | [illegible] | YEARS | MONTH | HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71					[illegible].7		[illegible].3			[illegible]	.1
62 TO 66	4.4		[illegible].2	[illegible].0	24.4	6.7	11.1	[illegible].7	4.4	[illegible]	1.[illegible]
57 TO 61	5.1	.7	1.[illegible]	[illegible].1	[illegible].4	4.[illegible]	12.8	1[illegible].4	4.7	274	11.1
52 TO 56	5.[illegible]	.7	4.3	[illegible].7	21.[illegible]	4.3	12.[illegible]	1[illegible].7	11.6	[illegible]	[illegible].4
47 TO 51	[illegible].6	.7	[illegible].6	[illegible].[illegible]	11.[illegible]	1.4	11.2	1[illegible].7	[illegible].1	[illegible]	[illegible].[illegible]
42 TO 46	[illegible].4	.[illegible]	1[illegible].[illegible]	31.6	[illegible].7	.3	.3	1.6	[illegible].1	[illegible]	1[illegible].1
37 TO 41	1.[illegible]	.[illegible]	[illegible].4	[illegible].[illegible]	[illegible].6				42.[illegible]	1[illegible]	[illegible].[illegible]
32 TO 36			[illegible].6	48.4					[illegible].[illegible]	[illegible]	1.[illegible]
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 -[illegible]											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -[illegible]											
-38 TO -34											
-43 TO -[illegible]											
-48 TO -44											
-53 TO -[illegible]											
-58 TO -54											
-59 & UNR											
TOTALS	[illegible].[illegible]	[illegible]	[illegible]	[illegible].[illegible]	[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible]	[illegible]	[illegible]	[illegible].[illegible]

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ YEARS _____ MONTH _____ HOUR _____

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				45.5	4.5					11	.5
57 TO 61	2.3		2.3	37.2	21.2			2.3	4.7	43	1.0
52 TO 56	2.1	.4	1.2	35.4	43.8	.4	2.9	4.1	1.2	245	10.1
47 TO 51	5.9	.3	7.7	33.1	20.1	2.5	12.2	2.8	12.1	619	25.5
42 TO 46	7.5	2.5	12.3	34.3	17.4	.5	7.0	4.3	13.6	718	29.9
37 TO 41	5.3	4.3	27.2	34.3	5.4	.3	.3	1.5	21.9	397	16.5
32 TO 36	4.0	6.2	29.6	34.5	2.7		.4		22.6	226	9.4
27 TO 31	6.4	5.5	19.3	34.3	3.7			.3	29.4	110	4.5
22 TO 26	5.6	5.6	27.8	33.9	2.6				18.4	36	1.5
17 TO 21		20.0		20.0					60.0	5	.2
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.6	2.-	14.-	34.5	17.3	.4	5.5	4.3	14.4	24[illegible]	100.-

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ STATION NAME _____ YEARS _____ MONTH _____ HOURS L.S.T. _____

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61				[illegible]	[illegible]					11	.4
52 TO 56			.2	47.4	44.0	.9	[illegible]	.9	2.4	116	4.7
47 TO 51	1.9	.3	7.[illegible]	43.[illegible]	21.9	2.[illegible]	12.1	4.[illegible]	7.[illegible]	580	23.8
42 TO 46	4.9	1.[illegible]	10.6	38.0	16.6	1.4	11.7	6.7	[illegible].4	795	32.1
37 TO 41	6.7	4.9	[illegible]1.3	36.5	7.[illegible]	.6	[illegible].2	2.[illegible]	16.9	539	21.[illegible]
32 TO 36	4.7	3.1	29.8	34.5	5.1	.4		.[illegible]	21.6	263	10.3
27 TO 31	5.0	9.3	24.[illegible]	27.3					35.5	121	4.7
22 TO 26	11.1	18.5	40.7	11.1				3.7	14.8	27	1.1
17 TO 21		[illegible]0.[illegible]	[illegible]6.7						[illegible]5.3	1[illegible]	.6
12 TO 16		44.4	[illegible]3.3	11.1					11.1	[illegible]	.4
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	[illegible].[illegible]	[illegible].	[illegible].[illegible]	[illegible]7.[illegible]	[illegible].[illegible]	1.1	[illegible].4	[illegible].	[illegible].[illegible]	[illegible]4[illegible]	[illegible].[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ STATION NAME _____ YEAR _____ MONTH _____ HOURS L.S.T. _____

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				[illegible]						1	.0
77 TO 81	4.3		4.3	4.3	6.7		[illegible].1	52.2		[illegible]	.1
72 TO 76	6.6		[illegible].3	3.4	12.5		17.0	50.5	9.0	[illegible]	.3
67 TO 71	4.3		1.7	[illegible]	14.2	2.3	30.4	37.3	[illegible].1	[illegible]	1.2
62 TO 66	4.3		1.2	7.4	11.3	4.4	35.3	29.7	5.9	1222	4.7
57 TO 61	3.8	.2	2.0	12.3	12.3	9.3	[illegible].9	19.2	[illegible].5	3437	13.1
52 TO 56	3.5	.3	3.3	13.3	13.0	11.7	25.2	11.4	17.3	6610	25.6
47 TO 51	3.9	.4	6.1	22.2	15.0	5.3	[illegible].8	4.9	17.0	4626	23.6
42 TO 46	5.6	1.1	[illegible].4	28.3	16.4	2.1	12.4	[illegible].3	15.5	5562	10.8
37 TO 41	5.2	3.2	[illegible].7	32.6	8.9	.3	[illegible].8	2.9	22.5	2035	[illegible].9
32 TO 36	4.2	4.4	[illegible].3	[illegible].2	3.3	.5	.5	.8	[illegible].3	1325	4.5
27 TO 31	6.5	7.2	23.4	[illegible].8	1.7		.3	.2	[illegible].9	577	[illegible].0
22 TO 26	[illegible].4	5.[illegible]	[illegible].7	[illegible].2	1.0			.[illegible]	[illegible].2	202	.7
17 TO 21	1.[illegible]	10.3	45.6	15.2	1.5				[illegible].1	[illegible]	.2
12 TO 16		17.0	42.9	9.5					[illegible].4	31	.1
7 TO 11			[illegible].3							1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.4	1.1	.7	[illegible].[illegible]	12.6	5.7	[illegible].9	11.1	[illegible].[illegible]	[illegible]	[illegible].[illegible]

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

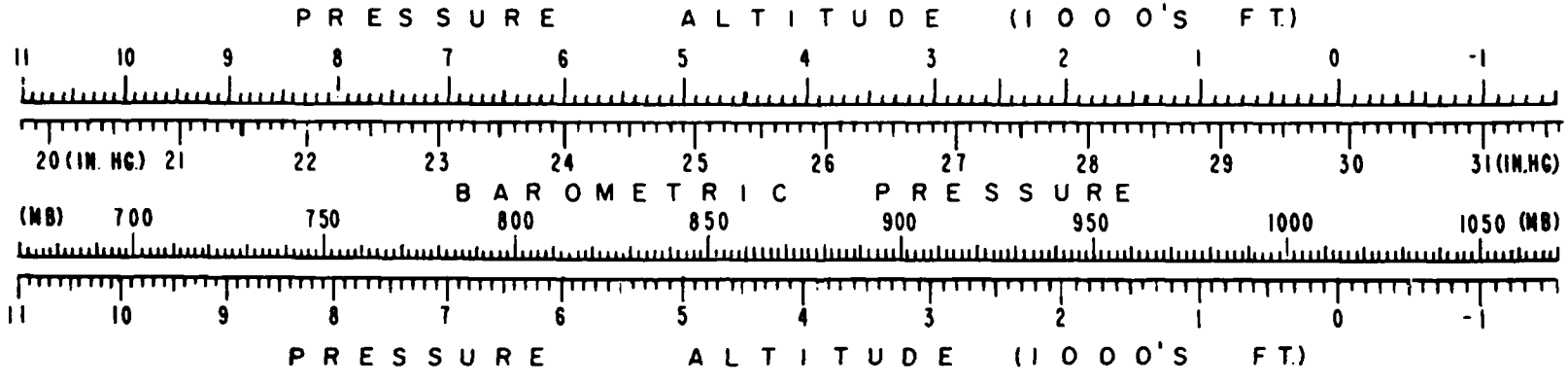
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



F

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MB FROM HOURLY OBSERVATIONS

[illegible] [illegible] KEY ISLAND, [illegible] [illegible]

STATION | STATION NAME | YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
[illegible]	MEAN	1017.[illegible]	1015.7	1014.[illegible]	1 17.3	1 17.3	1 17.4	1 17.[illegible]	1016.4	1 16.6	1017.7	1 16.6	1016.4	1016.[illegible]
	S. D.	[illegible].205	[illegible].711	7.9[illegible]	7.1[illegible]	[illegible].5[illegible]	4.[illegible]6	3.54[illegible]	3.757	[illegible].377	7.593	[illegible].214	1[illegible].212	7.4[illegible]
	TOTAL OBS	310	[illegible]2	310	[illegible]	310	[illegible]	31[illegible]	31	[illegible]	310	[illegible]	310	365[illegible]
	MEAN	1017.6	101[illegible].4	1014.7	1017.2	1017.4	1017.5	1017.7	1016.4	1 16.[illegible]	1 17.5	1016.5	1016.6	1016.[illegible]
	S. D.	[illegible].176	[illegible].974	[illegible].[illegible]7	7.234	[illegible].651	4.195	[illegible].527	3.773	[illegible].410	7.644	[illegible].363	[illegible].[illegible]3	7.4[illegible]7
	TOTAL OBS	31[illegible]	[illegible]2	31[illegible]	[illegible]2	310	[illegible]	31[illegible]	[illegible]10	[illegible]	310	[illegible]	310	[illegible]652
	MEAN	1 17.4	1015.4	1014.[illegible]	1017.7	1 17.[illegible]	1016.[illegible]	1015.[illegible]	1017.[illegible]	1017.1	1017.7	1016.[illegible]	1016.[illegible]	1017.[illegible]
	S. D.	1 .1[illegible]	[illegible].[illegible]09	[illegible].2[illegible]9	7.3[illegible]4	[illegible].761	4.327	[illegible].[illegible]2[illegible]	[illegible].[illegible]11	[illegible].[illegible]04	7.793	[illegible].445	[illegible].[illegible]73	7.571
	TOTAL OBS	[illegible]10	[illegible]2	31[illegible]	[illegible]0	31[illegible]	[illegible]00	31[illegible]	31[illegible]	[illegible]00	[illegible]10	[illegible]00	31[illegible]	[illegible]652
	MEAN	[illegible]01[illegible].1	101[illegible].0	1015.[illegible]	1016.[illegible]	1016.1	1016.1	1016.[illegible]	1017.3	1017.5	1016.2	1 17.1	1017.3	1017.[illegible]
	S. D.	[illegible].[illegible]35	[illegible].[illegible]09	[illegible].[illegible]69	7.[illegible]58	[illegible].723	4.[illegible]02	[illegible].[illegible]76	[illegible].[illegible]57	[illegible].545	7.[illegible]64	[illegible].[illegible]02	[illegible].[illegible]91	7.569
	TOTAL OBS	[illegible]10	[illegible]2	31[illegible]	[illegible]0	310	[illegible]00	310	31[illegible]	[illegible]00	31[illegible]	[illegible]00	[illegible]10	[illegible]65[illegible]
	MEAN	1017.[illegible]	1015.6	1015.1	1017.7	1017.[illegible]	1017.9	1018.[illegible]	1016.9	1 17.1	1017.6	1016.[illegible]	1016.7	1017.1
	S. D.	[illegible].[illegible]31	[illegible].770	[illegible].[illegible]07	7.[illegible]05	[illegible].[illegible]73	4.340	3.471	3.[illegible]58	[illegible].496	7.703	[illegible].414	[illegible].[illegible]8[illegible]	7.[illegible]94
	TOTAL OBS	31[illegible]	[illegible]2	310	[illegible]0	310	[illegible]00	310	[illegible]10	[illegible]00	310	[illegible]0[illegible]	31[illegible]	[illegible]652
	MEAN	1 17.[illegible]	1[illegible]15.1	1[illegible]14.[illegible]	1017.[illegible]	1[illegible]17.[illegible]	1017.3	1017.[illegible]	101[illegible].1	1016.3	1017.1	1016.1	1016.[illegible]	1016.[illegible]
	S. D.	.[illegible]9 [illegible]	[illegible].[illegible]24	7.[illegible]7[illegible]	7.[illegible]93	[illegible].414	4.314	3.51[illegible]	3.[illegible]58	[illegible].31[illegible]	7.445	[illegible].180	[illegible].[illegible]06	7.357
	TOTAL OBS	31[illegible]	[illegible]2	31[illegible]	[illegible]0	31[illegible]	[illegible]00	31[illegible]	31[illegible]	[illegible]00	[illegible]10	[illegible]00	[illegible]0[illegible]	[illegible]6[illegible]1
	MEAN	1017.1	1015.1	1014.[illegible]	1016.7	1[illegible]16.[illegible]	1017.[illegible]	1017.2	1015.7	1[illegible]16.1	1017.1	1[illegible]16.2	1016.4	1016.3
	S. D.	.[illegible]93	[illegible].524	7.777	[illegible].[illegible]26	[illegible].279	4.[illegible]89	[illegible].[illegible]62	3.793	[illegible].[illegible]99	7.436	[illegible].125	[illegible].[illegible]35	7.[illegible]98
	TOTAL OBS	31[illegible]	[illegible]2	31[illegible]	[illegible]0	310	[illegible]00	[illegible]10	31[illegible]	[illegible]00	[illegible]10	[illegible]00	[illegible]0[illegible]	[illegible]651
	MEAN	[illegible]017.3	[illegible]015.3	[illegible]014.[illegible]	1017.3	[illegible]017.[illegible]	1017.3	[illegible]017.6	[illegible]016.[illegible]	[illegible]016.6	[illegible]017.5	[illegible]016.3	[illegible]016.[illegible]	[illegible]016.[illegible]
	S. D.	[illegible].976	[illegible].[illegible]89	7.815	[illegible].[illegible]17	[illegible].[illegible]20	4.[illegible]04	[illegible].[illegible]53[illegible]	[illegible].[illegible]47	[illegible].[illegible]25[illegible]	7.475	[illegible].[illegible]2[illegible]	[illegible].[illegible]0[illegible]	7.349
	TOTAL OBS	31[illegible]	[illegible]2	31[illegible]	[illegible]0	310	[illegible]00	310	31[illegible]	[illegible]00	310	[illegible]00	[illegible]0[illegible]	[illegible]651
ALL HOURS	MEAN	1 17.4	1[illegible]15.4	1[illegible]14.[illegible]	1[illegible]17.4	1[illegible]17.[illegible]	1017.6	1[illegible]17.[illegible]	1016.[illegible]	101[illegible].[illegible]	1017.5	1016.5	1016.6	1016.[illegible]
	S. D.	[illegible].[illegible]04[illegible]	[illegible].[illegible]7[illegible]	[illegible].[illegible]24	7.[illegible]53	[illegible].554	4.254	[illegible].[illegible]527	[illegible].[illegible]45	[illegible].[illegible]39[illegible]	7.[illegible]516	[illegible].[illegible]30[illegible]	[illegible].943	7.[illegible]51
	TOTAL OBS	[illegible]4 [illegible]	[illegible]25[illegible]	[illegible]4[illegible]	[illegible]4[illegible]	[illegible]461	[illegible]4[illegible]0	[illegible]4[illegible]1	[illegible]4[illegible]	[illegible]4[illegible]0	[illegible]49[illegible]	[illegible]4[illegible]0	[illegible]427	[illegible]2[illegible]13

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2[illegible] [illegible]RSEY ISLAND, NA — 73-87

STATION — STATION NAME — YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible]	29.956	29.931	[illegible]	[illegible]	[illegible]	[illegible]	29.977	29.983	[illegible]	[illegible]	29.978	29.988
	S. D.	.302	.236	.234	.211	.164	.122	.105	.111	.156	.225	.274	.297	.220
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	29.949	29.926	[illegible]	[illegible]	[illegible]	[illegible]	29.979	29.984	[illegible]	[illegible]	29.983	29.988
	S. D.	.302	.231	.240	.214	.167	.125	.106	.112	.160	.227	.278	.295	.222
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	29.948	29.934	[illegible]	[illegible]	[illegible]	[illegible]	29.997	[illegible]	[illegible]	29.981	29.982	29.997
	S. D.	.302	.293	.245	.217	.170	.129	.104	.113	.164	.231	.281	.293	.224
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	29.965	29.951	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.999	[illegible]	[illegible]
	S. D.	.299	.293	.245	.218	.169	.131	.104	.114	.164	.233	.282	.293	.224
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	29.954	29.940	[illegible]	[illegible]	[illegible]	[illegible]	29.993	29.998	[illegible]	29.979	29.986	29.997
	S. D.	.296	.298	.243	.213	.165	.129	.103	.115	.162	.228	.279	.293	.222
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	29.939	29.921	29.997	[illegible]	[illegible]	[illegible]	[illegible]	29.976	29.998	29.969	29.981	29.981
	S. D.	.293	.293	.234	.210	.160	.129	.104	.114	.157	.221	.273	.294	.218
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	[illegible]	29.943	29.927	29.998	29.992	29.995	[illegible]	29.957	29.970	[illegible]	29.971	29.979	29.976
	S. D.	.293	.291	.233	.205	.156	.125	.103	.112	.154	.221	.272	.297	.216
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	[illegible]	29.945	29.934	[illegible]	[illegible]	[illegible]	[illegible]	29.973	29.982	[illegible]	29.976	29.986	29.997
	S. D.	.295	.293	.232	.205	.161	.123	.104	.114	.155	.222	.274	.299	.218
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	[illegible]	29.950	29.932	[illegible]	[illegible]	[illegible]	[illegible]	29.981	29.988	[illegible]	[illegible]	29.985	29.990
	S. D.	.298	.287	.238	.212	.164	.127	.105	.114	.160	.226	.276	.295	.221
	TOTAL OBS	2480	2256	2481	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

END

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