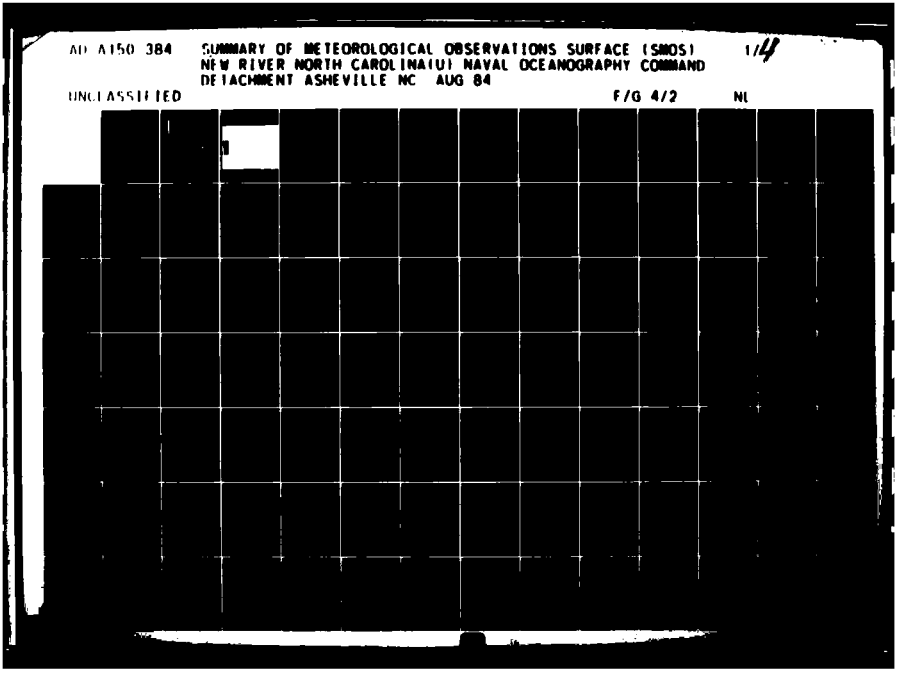
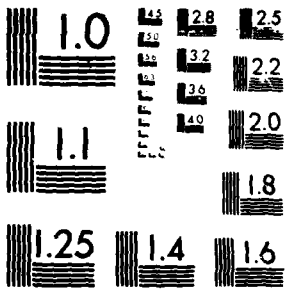
AD A150 384 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
NEW RIVER NORTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1964-A

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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 reccrded 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 tne 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 NUMBER SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	AWS NUMBER
93727	New River, North Carolina	34°42'N	77°26'W	24	KNCA	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF CHANGED LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	MCAF	1953	1956	34°42'N	77°26'W	24	Mercurial	
2.	" " "	"	1956	1969	"	"	27	"	24
3.	South wall of lab.	MCAS	1969	1970	"	"	18	"	24
4.	North wall of lab.	"	1970				18		24
1a.	Weather service office	MCAF	1954	1969	"	"	19	Aneroid	24
2a.	GMQ-14 console	MCAS	1969	1977	"	"	19	"	24
3a.	Weather service office	"	1977		"	"	19		

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE & NO EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1956	Installed roof of ops bldg	UMQ-5A	ID-300/A	Unk	1. Barograph (ML-3)
2.	Unk	Modified " " " "	UMQ-5C	ID-300	45'	2. Cloud height set (AN/GMQ-13)
3.	1966	Post 2 feet E of ops bldg	AN/UMQ-5C	"	50'	3. Theodolite (ML-247)
4.	1967	15' mast 1600' WNW of ops bldg	"	"	39'	4. Transmissometer (AN/GMQ-10C)
5.	1967	" " " " " "	"	RD-108B	39'	5. Auto met sta (GMQ-29A)
6.	1968	15' mast 1450' from bldg 848	"	RD-108B	39'	6. Radar recorder FAX (GMH-6(V))

NWSD, Federal Building
[illegible], N. C.

NOCD, Federal Building
Asheville, N. C.

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

WEATHER CONDITIONS

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 _____

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 _____

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	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	OTHER WEATHER PHENOMENA
TOTALS												

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 _____

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 _____

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 _____

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 _____

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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4

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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4

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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4

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 _____

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

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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4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION _____ STATION NAME _____ JANUARY 1973-DECEMBER 1982 _____
PART

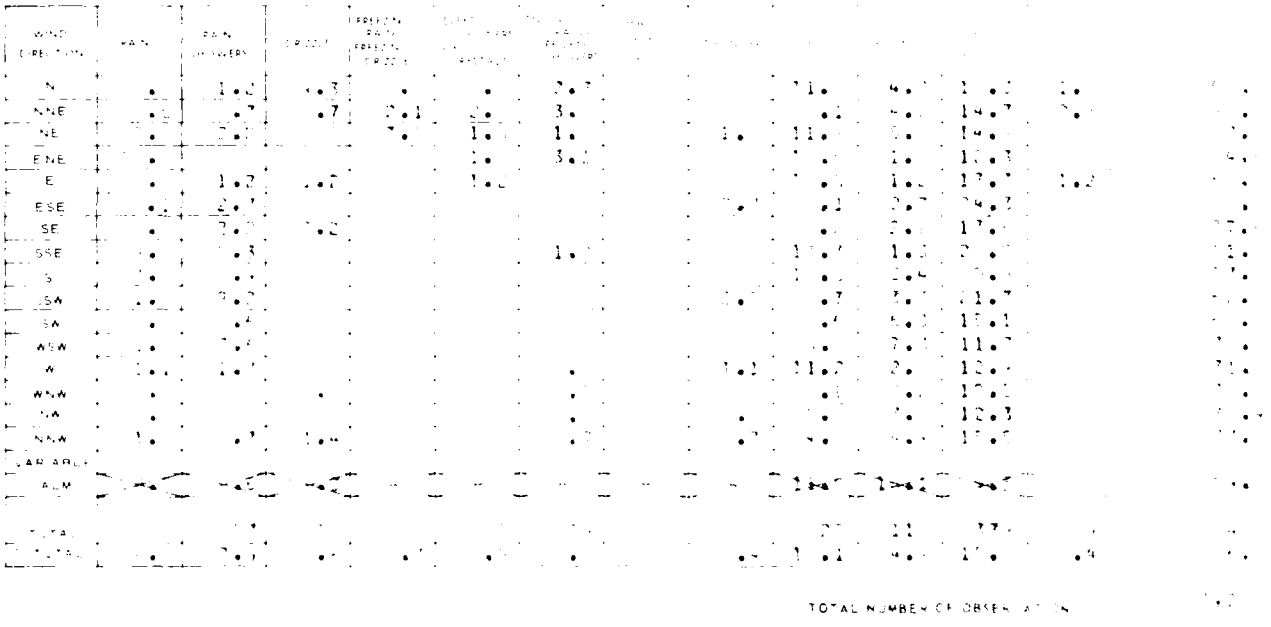
WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	
N	7.7	.7	1.4	1.4	1.4	1.		.3	17.1	3.	12.8		4.
NNE	11.4	1.3	3.4	.7	.7	2.			5.6	3.4	16.8		53.
NE	10.	1.2	2.4	1.2	2.4	3.5		1.2	22.4	3.5	15.3		58.
ENE	10.	1.5	3.0					1.5	1.6	4.5	16.7		63.
E	10.7	1.3	1.3						21.3	7.5	18.8		55.
ESE	12.2	4.9							12.2	7.3	4.9		7.
SE	14.3	3.6							10.7		25.		4.
SSE	12.2	1.9							7.8	5.5	15.4		88.
S	1 .2	1 .7							16.3	9.2	16.9		52.
SSW	5.	3.8	.9					1.	10.4	5.7	16.1		64.
SW	4.	2.6							7.3	6.	15.9		65.
WSW	7.	.5	1.1						7.3	4.4	10.9		53.
W	4.	1.7	1.7			.4		.4	9.2	6.3	10.0		73.
WNW	7.	1.6	1.6			.5			13.2	2.1	9.5		74.
NW	.	.9	1.5						11.2	.	6.5		77.
NNW	.5		1.7			.5			11.5	2.	5.5		76.
VARIABLE													
CALM	1	1.6	1.6	.3					1.1	1.4	11.7		45.
TOTAL	1	48	75	7	7	13		6	357	143	312		161
% TOTAL	.3	1.9	1.4	.3	.3	.5		.2	14.4	5.	12.6		55.

TOTAL NUMBER OF OBSERVATIONS 2,48

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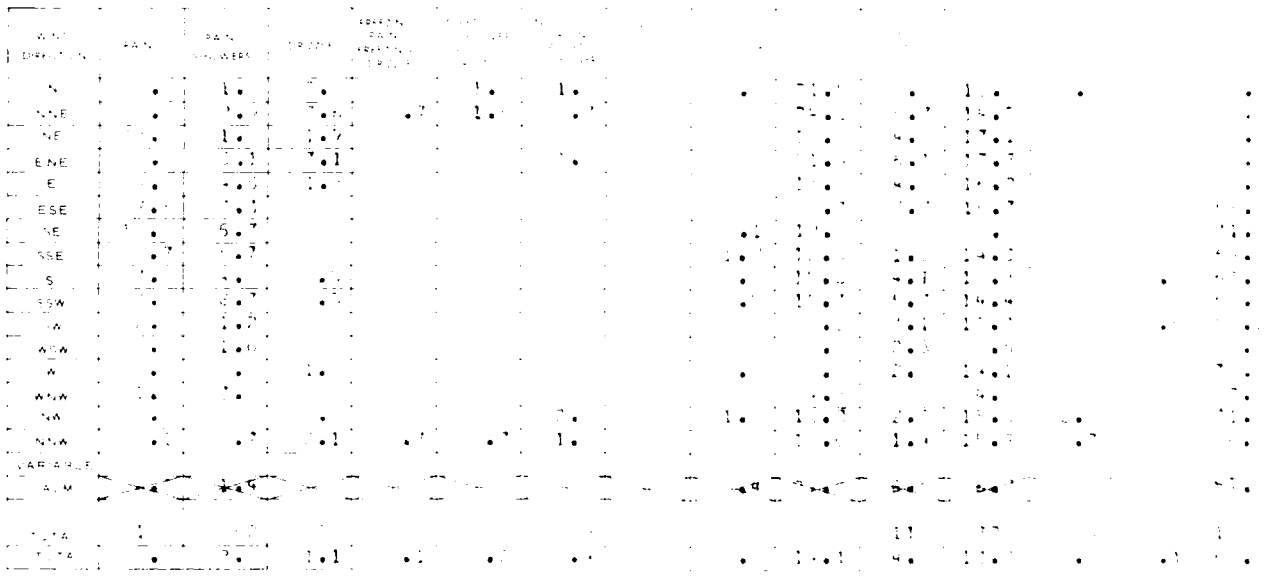
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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

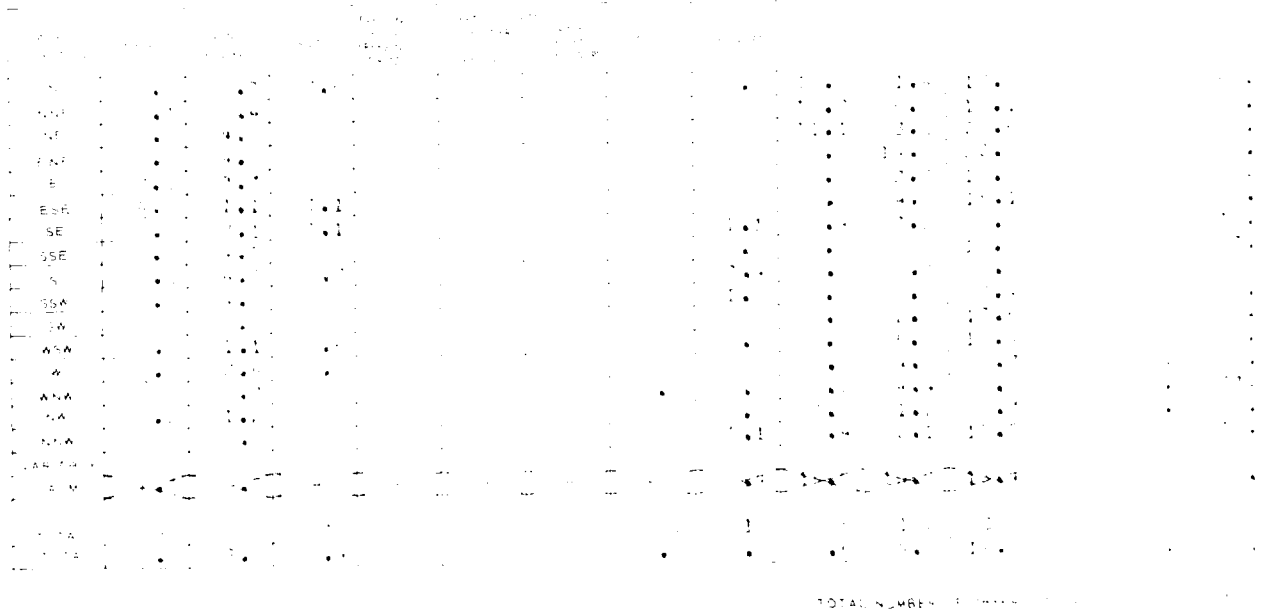
PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS



4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION [illegible] STATION NAME [illegible] JANUARY 1973-DECEMBER 1982 YEARS MAY

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 [illegible]	[illegible]	[illegible]
N	2.[illegible]	4.3	.6					1.[illegible]	17.2	6.1	28.2			[illegible]
NNE	11.[illegible]	[illegible].7	.8						23.[illegible]	8.7	22.[illegible]			[illegible]
NE	6.[illegible]	2.7	[illegible].4						14.9	5.4	31.1			[illegible]
ENE	[illegible].7	6.7	1.7					3.3	10.0	6.7	30.0			[illegible]
E	[illegible].4	4.8	.8					.[illegible]	12.0	4.0	22.4			[illegible]
ESE	2.3	7.[illegible]						1.2	[illegible].4	2.3	24.4			[illegible]
SE	2.2	7.9						1.1	[illegible].7	3.4	23.6			[illegible]
SSE	3.[illegible]	[illegible].2						3.5	[illegible].7	4.2	25.7			[illegible]
S	[illegible].1	6.3	.3					3.[illegible]	[illegible].8	3.5	27.4			56.6
SSW	[illegible].[illegible]	2.2						1.3	[illegible].4	5.8	20.9			[illegible]
SW	[illegible].[illegible]	3.5						3.[illegible]	11.4	5.[illegible]	24.3			[illegible]
WSW	[illegible].[illegible]	[illegible].[illegible]						[illegible].[illegible]	12.2	[illegible].7	27.0			[illegible]
W	[illegible].[illegible]	3.2						1.[illegible]	12.7	8.2	26.6			[illegible]
WNW	1.[illegible]	3.[illegible]						2.6	10.5	3.[illegible]	30.3			[illegible]
NW	[illegible].7	2.7						4.0	10.7	2.7	20.0		1.3	[illegible]
NNW		[illegible].2	2.2					1.1	10.1	4.5	24.7			[illegible]
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]7	1[illegible]0	11					49	327	159	607		1	13[illegible]2
% TOTAL	[illegible].2	4.[illegible]	.4					2.0	13.2	6.4	24.5		.0	[illegible]8.5

TOTAL NUMBER OF OBSERVATIONS 2,47[illegible]

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION [illegible] STATION NAME JANUARY 1973-DECEMBER 1982 ITEM JUNE

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	[illegible]	[illegible]
N	[illegible]	1.5	.7					.7	9.4	5.6	29.6			[illegible]
NNE	1.[illegible]	2.4	.8					.[illegible]	[illegible].9	8.9	27.6			[illegible]
NE		6.5						1.1	1[illegible].3	7.6	25.[illegible]			[illegible]
ENE	4.[illegible]	4.8							1[illegible].3	3.[illegible]	25.7			[illegible]
E	.[illegible]	2.3						2.3	1[illegible].2	3.1	36.6			[illegible]
ESE	1.[illegible]	4.1						1.4	[illegible].4	1.4	48.6			[illegible]
SE	.[illegible]	2.3						2.2	[illegible].4	2.2	43.5			[illegible]
SSE	.[illegible]	3.[illegible]						1.7	[illegible].1	1.7	44.3			[illegible]
S	.[illegible]	5.7	.4					3.[illegible]	10.3	.8	35.5			[illegible]
SSW		[illegible].2	.4					2.[illegible]	12.0	6.[illegible]	31.5			[illegible]
SW	.[illegible]	2.[illegible]	.5					2.4	14.[illegible]	5.7	36.8			[illegible]
WSW		[illegible].4						1.[illegible]	16.6	6.6	46.[illegible]			[illegible]
W	[illegible].2	[illegible].						4.[illegible]	12.4	10.3	30.3			[illegible]
WNW	1.[illegible]	4.9						[illegible].3	11.5	11.5	31.1			[illegible]
NW	1.[illegible]	[illegible].2						[illegible].3	[illegible]1.3	4.[illegible]	31.1			[illegible]
NNW	[illegible].[illegible]	3.2	1.6					3.2	11.1	9.5	31.7			[illegible]
VARIABLE														
CALM	[illegible]	[illegible].9						[illegible].[illegible]	[illegible].[illegible]	[illegible].4	[illegible].9			[illegible]
TOTAL	[illegible]	1[illegible]8	6					[illegible]1	317	145	[illegible]39			11[illegible]
% TOTAL	1.[illegible]	4.5	.3					2.1	13.2	6.0	33.7			[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION _____ STATION NAME _____ JANUARY 1973-DECEMBER 1982 YEAR _____ JULY

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	SNOW BLIZZARD	BLOWING SNOW	
N	3.0	5.4	.9					2.7	18.9	3.6	43.2		34.0
NNE		2.7	1.3					1.7	13.3	8.0	37.3		44.0
NE	4.5							3.0	16.7	4.5	39.4		47.0
ENE	1.2	.9						4.9	11.1	1.2	34.6		51.0
E	3.7	4.1						4.1	.3	4.1	31.4		53.7
ESE		1.6							1.6	1.6	50.0		46.2
SE	1.0	6.2							4.6	1.8	56.9		35.4
SSE	1.7	3.9						2.6	2.5	1.7	44.9		47.5
S	.9	5.2						4.5	6.5	1.3	32.8		54.5
SSW	1.7	3.4						5.2	9.0	4.7	45.1		39.9
SW	1.7	4.9						7.6	15.2	6.3	42.4		34.8
WSW	3.2	4.5	.4					4.5	10.5	5.7	45.7		39.2
W		3.8						2.9	14.9	5.3	51.4		31.7
WNW	1.7	3.4						1.7	10.2	8.5	52.5		35.6
NW		6.7						6.9	27.6	3.4	37.9		34.5
NNW	.9	3.8						5.8	21.0	5.8	40.4		32.9
VARIABLE													
CALM	1.6	3.5	.7					1.6	36.2	13.1	31.1		13.9
TOTAL	35	147	4					91	312	141	1004		1022
% TOTAL	1.6	4.3	.2					3.3	13.6	5.7	40.5		41.2

TOTAL NUMBER OF OBSERVATIONS 2,46[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] [illegible] JANUARY 1973-DECEMBER 1982 [illegible]

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET (ICE PELLETS) AND/OR ICE CRYSTALS	SNOW (GRAIN) AND/OR SNOW PELLETS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N	1.0	2.2	.7					1.5	7.4	3.0	31.5	34.5
NNE	.5	2.3	.7						1.6	4.1	37.2	37.
NE	4.4	3.3	1.1					1.1	1.6	9.9	27.5	40.
ENE	3.7	5.4						1.2	.4	11.9	32.1	[illegible]
E	1.0	3.6						.9	4.5	4.5	47.3	[illegible]
ESE	3.3	4.9						4.5	4.9	4.9	50.5	[illegible]
SE		5.2						2.7	1.4	2.7	38.4	[illegible]
SSE	.1	2.4						3.2	3.2	1.1	39.3	[illegible]
S	.1	.1						5.1	4.0	2.2	38.6	[illegible]
SSW	1.0	4.0						3.0	11.4	1.0	36.3	[illegible]
SW	.0	4.0						2.7	12.5	9.4	34.4	46.
WSW		3.3						5.0	17.7	12.2	37.6	[illegible]
W	.0	4.4	.6					4.4	13.8	15.0	40.6	34.4
WNW	3.3	7.4	6.3					3.1	21.9	9.4	37.5	[illegible]
NW		.1	7.3					6.1	18.2	15.2	42.4	[illegible]
NNW	1.0	3.3						7.5	22.6	9.4	45.3	[illegible]
VARIABLE												
CALM	.0	4.3						1.4	25.6	16.7	26.6	35.5
TOTAL	[illegible]	117	7					72	357	223	883	1 [illegible]
% TOTAL	1.3	4.6	.3					2.8	14.4	9.0	35.6	41.

TOTAL NUMBER OF OBSERVATIONS [illegible]

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION _____ STATION NAME _____ JANUARY 1973-DECEMBER 1982 SEPTEMBER
YEARS

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	[illegible]
N	5.7	1.5	1.1					1.1	23.2	6.3	32.[illegible]		41.5
NNE	7.4	2.0	1.0					2.[illegible]	32.7	5.4	29.1		41.[illegible]
NE	4.[illegible]	3.5						.7	18.8	8.3	36.8		37.[illegible]
ENE	.[illegible]	7.8	.[illegible]					3.3	11.6	4.7	38.8		44.2
E	.7	6.6							.2	5.5	41.8		42.5
ESE	.[illegible]	3.4						1.7	[illegible].4	3.4	44.8		43.2
SE	2.7	5.2						1.4	11.0	4.1	26.0		60.[illegible]
SSE	2.1	7.4						4.2	[illegible].2	6.3	26.3		57.[illegible]
S	1.[illegible]	[illegible].4						[illegible].1	[illegible].7	2.5	35.0		52.2
SSW	2.[illegible]	3.5						5.2	13.4	7.0	40.0		40.7
SW	.[illegible]	4.2						2.[illegible]	14.5	12.6	30.3		41.2
WSW	1.[illegible]	3.0						1.3	[illegible]8.[illegible]	11.0	44.[illegible]		[illegible].0
W		4.[illegible]						5.4	15.4	6.[illegible]	26.2		46.6
WNW	.[illegible]	2.2							11.1	[illegible].7	44.4		37.8
NW	1.[illegible]	5.3						3.[illegible]	17.3	7.7	34.5		34.5
NNW	3.[illegible]	4.2	5.9					1.7	[illegible]3.3	8.5	39.7		24.3
VARIABLE													
CALM		1.3						1.3	[illegible].[illegible]	18.[illegible]	18.[illegible]		[illegible].[illegible]
TOTAL	5.[illegible]	[illegible].[illegible]	13					52	411	212	761		1[illegible]11
% TOTAL	2.3	3.[illegible]	.5					2.2	17.1	8.8	31.7		42.1

TOTAL NUMBER OF OBSERVATIONS 2,4[illegible]

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION [illegible] STATION NAME [illegible] JANUARY 1973-D CEMBER 1982 STORE

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	[illegible]
N	[illegible]	1.1	1.9						1[illegible].3	3.	19.8	[illegible]
NNE	[illegible]	1.2	1.2					.4	1[illegible].3	4.1	20.0	[illegible]
NE	[illegible]	.9							11.7	4.6	24.8	[illegible]
ENE	[illegible]								[illegible].5	4.3	2[illegible].3	[illegible]
E		3.5							2.7	3.7	28.9	[illegible]
ESE	[illegible]										[illegible].4	[illegible]
SE		[illegible].1	2.6								[illegible].3	[illegible]
SSE	[illegible]	4.4						1.[illegible]	2.9	2.9	17.6	75.
S	[illegible]	3.4							[illegible].4	1.7	22.2	[illegible]
SSW	1.[illegible]	1.9	1.[illegible]					1.0	4.[illegible]	2.9	32.7	[illegible]
SW	1.[illegible]	.8							1[illegible].1	7.6	11.[illegible]	[illegible]
WSW	[illegible]								[illegible].8	10.[illegible]	15.7	[illegible]
W		.7	.7					.[illegible]	11.9	3.3	13.2	[illegible]
WNW	[illegible]		1.2						1[illegible].0	[illegible].[illegible]	10.6	[illegible]
NW	[illegible]	2.1							1[illegible].[illegible]		14.4	[illegible]
NNW	[illegible]	2.2	2.7						14.2	6.0	12.0	[illegible]
VARIABLE												
CALM	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]7	33	19					[illegible]	329	161	456	1[illegible]
% TOTAL	[illegible].1	1.3	.8					.2	13.3	6.5	18.4	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-[illegible] [illegible] 1962 [illegible]

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW SHOWERS RAIN SLEET	SNOW GRAINS PELLET SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	HAZE SMOKE DUST	WIND	
N	.4	.7	2.6					.4	21.4	1.5	1.6	.4
NNE	.4	1.8	4.9						21.2	4.4	21.3	1.4
NE	.4	1.1	2.1						13.4	1.1	2.4	4.4
ENE	.1	1.4	1.4						1.4	1.4	17.6	64.3
E	.2	2.2	1.1						1.4	5.4	17.2	62.4
ESE	.2	1.2						1.	.5	3.6	27.3	67.4
SE	5.7	5.7							7.6	1.5	18.9	67.3
SSE	.4	3.7	1.9						.6	1.9	20.4	64.8
S	.4	.4	1.7						1.5	1.7	14.2	67.4
SSW	.4	2.2	.9					.4	.3	2.4	13.9	73.1
SW	.4	1.	1.2						.2	2.6	6.6	75.1
WSW	.4	.2						.6	5.7	5.2	8.6	77.2
W	.4	1.6	.5						1.2	5.4	6.4	77.2
WNW	.4	.9	1.7						.6	3.4	9.5	75.4
NW	.4		.9			.2			11.4	4.2	10.5	74.2
NNW	.4		5.7						21.8	2.5	10.8	65.4
VARIABLE												
CALM		.4	.4						31.4	11.4	11.8	36.4
TOTAL	[illegible]	43	70			1		4	363	114	335	155
% TOTAL	7.4	1.4	1.6			.2		.2	15.1	4.8	14.3	65.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION _____ STATION NAME _____ JANUARY 1977-DECEMBER 1982 YEAR _____ DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	
N	1.[illegible]	.5	1.6						1.3	1.[illegible]	5.5		[illegible]
NNE	1.1	1.2	4.3						1.6	3.7	8.[illegible]		[illegible]
NE	.[illegible]	1.3	2.6						1.[illegible]	6.6	5.3		6[illegible].7
ENE	.4	3.1	3.1						10.7	7.6	21.9		74.7
E	1.[illegible]	1.4	2.9						10.7	4.2	13.9		61.1
ESE	.[illegible]	5.7	2.9						25.7	5.7	20.0		4[illegible]
SE	.[illegible]	3.[illegible]	2.[illegible]						15.2	6.1	12.1		5[illegible].4
SSE	1.[illegible]								22.[illegible]	2.1	12.5		42.[illegible]
S	1.[illegible]	3.3						1.[illegible]	14.[illegible]	7.[illegible]	6.6		65.6
SSW	.[illegible]	.[illegible]							10.6	.3	9.8		69.9
SW	.[illegible]	.[illegible]	.6					.[illegible]	7.0	4.1	10.5		75.4
WSW	.7	1.1	.6						.7	5.7	5.2		74.7
W	.[illegible]	.[illegible]				.[illegible]			10.[illegible]	3.5	9.1		75.[illegible]
WNW	.[illegible]		.1			1.4			.[illegible]	5.[illegible]	6.4		76.[illegible]
NW	1.[illegible]		2.7						.[illegible]	2.7	5.4		80.[illegible]
NNW	.[illegible]		4.5						13.[illegible]	.[illegible]	9.7		77.4
VARIABLE													
CALM	[illegible]	1.1	.5						[illegible]	1.[illegible]	16.[illegible]		55.[illegible]
TOTAL	1[illegible]	26	17			[illegible]		3	347	133	22		18
% TOTAL	.[illegible]	1.1	1.5			.[illegible]		.1	14.1	5.4	8.9		6[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION _____ STATION NAME _____ JANUARY 1977-DEC 1982 YEAR _____ ALL

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	SNOW HAZE	BLOWING SNOW		
N	[illegible]	1.5	2.0	.1	.3	.5		.6	17.3	4.6	[illegible]	.4		[illegible]
NNE	3.5	2.5	2.1	.3	.4	.5		.5	1.[illegible]	5.6	21.5	.3		51.[illegible]
NE	[illegible]	2.5	1.2	.4	.3	.4		.5	15.5	5.5	24.3			[illegible]
ENE	[illegible]	4.5	1.0		.1	.2		1.2	11.[illegible]	[illegible]	26.3			[illegible]
E	[illegible]	3.4	.6		.1			.3	10.7	4.1	27.3	.1		55.4
ESE	4.[illegible]	5.4	.3					1.1	[illegible]	3.3	30.1			56.[illegible]
SE	4.[illegible]	3.2	.3					1.2	[illegible]	2.3	26.5			51.[illegible]
SSE	[illegible]	4.7	.1			.1		1.[illegible]	[illegible]	2.4	25.9			[illegible]
S	3.[illegible]	5.3	.2					2.6	[illegible]	2.[illegible]	26.1			[illegible]
SSW	[illegible]	3.[illegible]	.3					2.2	[illegible]	2.2	26.4			[illegible]
SW	1.[illegible]	2.7	.1					1.4	11.1	6.3	27.4			[illegible]
WSW	[illegible]	[illegible]	.3					1.[illegible]	[illegible]	7.[illegible]	24.3			[illegible]
W	1.[illegible]	2.6	.5			.2		1.6	11.0	5.[illegible]	23.[illegible]			[illegible]
WNW	[illegible]	2.[illegible]	1.[illegible]			.2	.1	.6	[illegible]	4.4	15.6			[illegible]
NW	[illegible]	1.[illegible]	1.[illegible]			.4		1.4	17.2	3.[illegible]	15.4	.2		[illegible]
NNW	[illegible]	1.6	2.7	.1	.1	.3		1.0	14.[illegible]	4.2	14.3	.1		[illegible]
VARIABLE														
CALM	[illegible]	1.5	.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.6	11.1	15.5	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	989	727	16	22	45	1	357	7903	1755	6439	13		1673
% TOTAL	[illegible]	2.9	.9	.1	.1	.2	.1	1.2	13.4	6.[illegible]	21.9	.1		[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

NAVWEASERVCOM

NCDC, Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

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

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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

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	.25	.26-.50	.51		1.51	2.51	3.51	4.51	5.51	6.51	OVER 7.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	.1	.2-.4	.5	2.3	3.4	4.5	6.4	8.5	10.4	12.5	14.4	16.5	18.4	OVER 18.4					
SNOW DEPTH	NONE	TRACE		2	3	4-6	7	13-24		25-36	37-48	49-60	61	62		OVER 62					
JAN																					
FEB																					
MAR																					
APR																					
MAY																					
JUN																					
JUL																					
AUG																					
SEP																					
OCT																					
NOV																					
DEC																					
ANNUAL																					

NAVWEASERVCOM

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	.1-.4	.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)

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	5.01-7.50	7.51-10.00	10.01-12.50	12.51-15.00	15.01-17.50	17.51-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	.1-.4	.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-9.4	9.5-14.4	14.5-25.4	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	61-72	OVER 72									
JAN	•	•	•	•	•	•												•				
FEB	•	•			•	•	•											•				
MAR	•	•		•			•	•										•				
APR	•																					
MAY	•																					
JUN	•																					
JUL	•																					
AUG	•																					
SEP	•																					
OCT	•																					
NOV	•																					
DEC	•	•		•														•				
ANNUAL	•	•	•	•	•	•	•	•										•				

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION ______ STATION NAME ______ YEARS ______

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION _____ STATION NAME _____ YEARS _____

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

SAMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION _____ STATION NAME _____ YEARS _____

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

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

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

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

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

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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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		
	INCHES	MM	DATE	INCHES	MM	DATE
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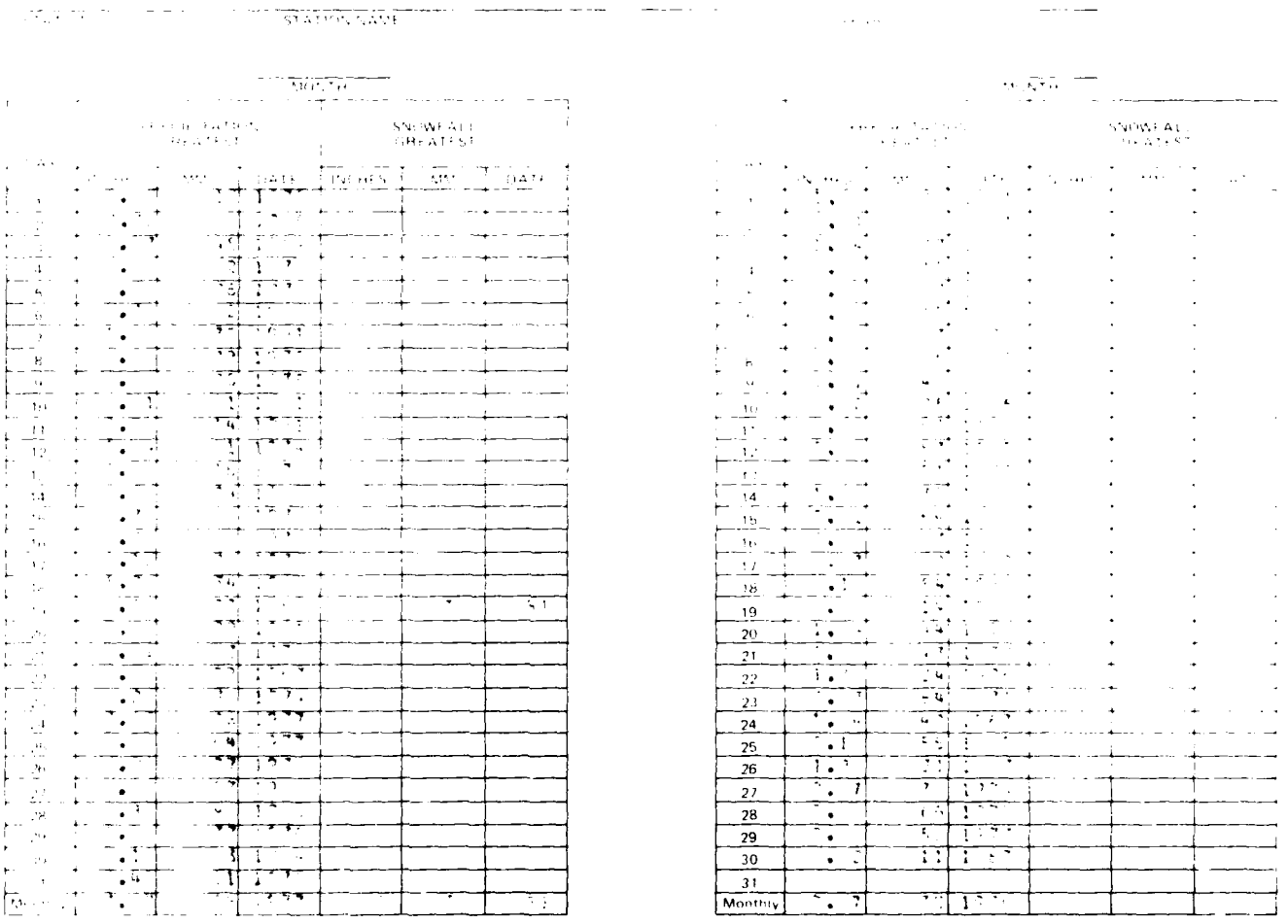
MONTH _____

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
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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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS



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

[illegible] SERVICE DETACHMENT
[illegible] NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION/BASE _____ 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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* 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		
	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

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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Monthly						

MONTH _____

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
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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

PART C SURFACE WINDS

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

1. Extreme Values - Peak Gusts: Derived from daily observations that are entered 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 20% 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 mean and standard deviation for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is computed for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of less than 20% observations is printed in all tabulations.

   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 speed 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 1-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

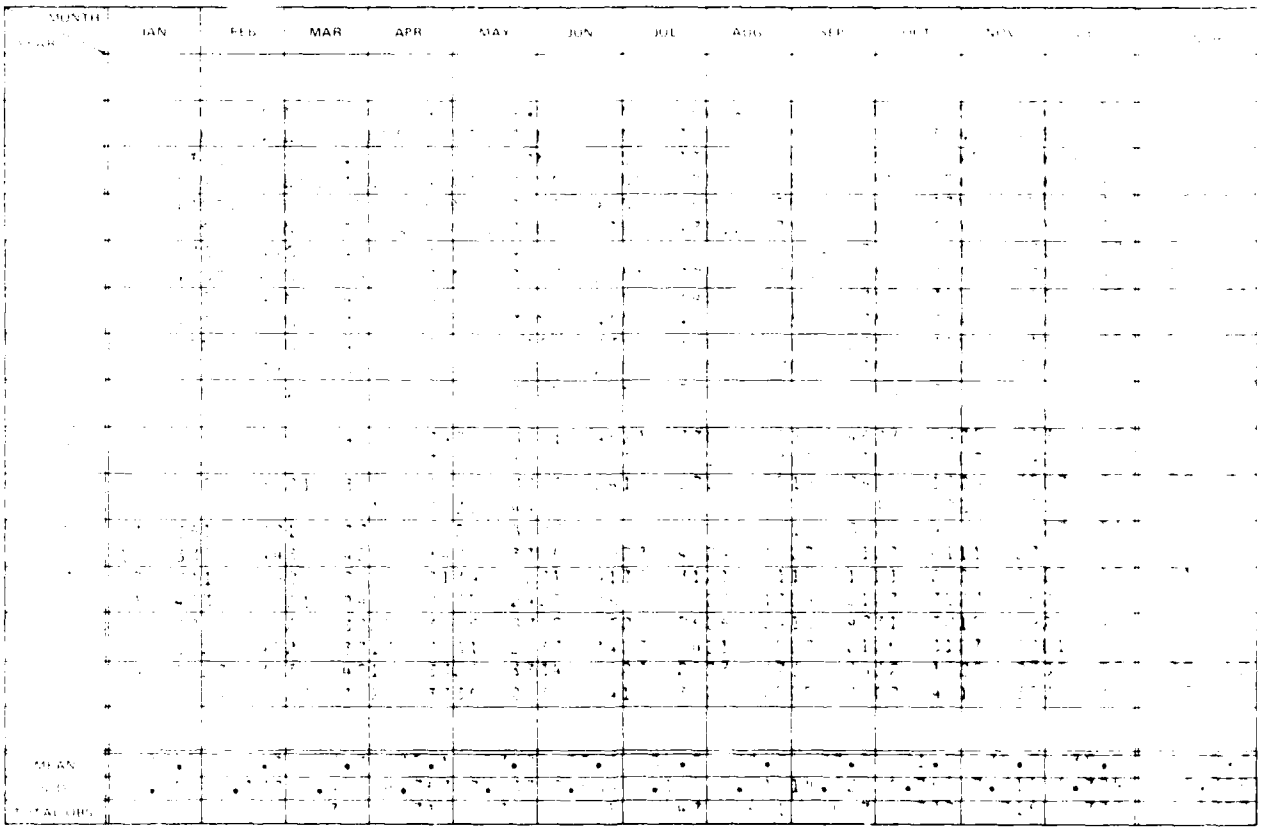
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NAME

YEARS



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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

STATION STATION NAME YEARS

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ	MEAN WIND SPEED
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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 _____ E S T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
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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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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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER

HOURS L S T

CONDITION _____

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

ALL
HOURS (L S T)

CONDITION

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

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ LST

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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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CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
ENVIRONMENTAL
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
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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 _____ LST

CONDITION _____

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

CONDITION _____

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

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS L S T 1

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	4.3	3.7								11.3	7.4
NNE	1.7	4.1	2.1	.6								8.7	5.4
NE	1.7	1.7	1.7	.3								4.7	5.7
ENE	1.1	2.1	1.3									4.5	4.5
E	1.1	1.7	1.7									4.5	4.5
ESE	1.1	1.3	.7	.4								3.5	5.1
SE	.5	.5	1.5									2.3	5.7
SSE			1.1	1.3								2.3	11.7
S	.5	.5	2.3	1.6								4.9	7.8
SSW	.5	.7	1.9	1.5	.3							5.1	9.4
SW	.5	1.1	.7	1.2	.3							4.3	8.6
WSW	.5	1.3	2.1	1.3								4.3	7.5
W	.7	2.7	5.2	1.4	.6							10.6	8.5
WNW	.5	.5	1.1	1.2	.6							3.9	9.9
NW	.5	.5	2.3	1.8								5.1	6.3
NNW	.5	1.3	1.1	2.2								7.1	6.7
VARBL													
CALM												4.5	
	11.6	25.2	35.3	27.8	1.9							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 359

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 _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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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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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ LST

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

I 4

SMOS

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
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION ____ STATION NAME ____ YEARS ____ MONTH ____

CLASS ____ HOURS ____

CONDITION ____

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS

CLASS

COND'TION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE

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

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

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
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TOTAL NUMBER OF OBSERVATIONS _____

4

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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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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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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ 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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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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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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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

4

SMOS

U.S. WEATHER SERVICE
DEPARTMENT
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

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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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 _____ 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 _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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													
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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

SURFACE WINDS

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

STATION STATION NAME YEARS MONTH

CLASS HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 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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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

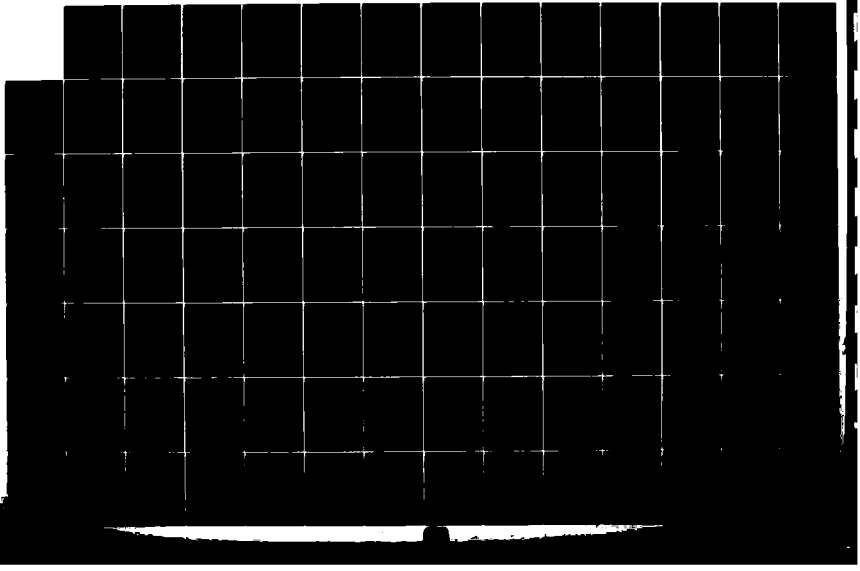
SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN SPEED
N													
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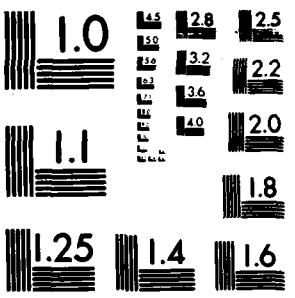
TOTAL NUMBER OF OBSERVATIONS

SMOS

AD A150 384 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) NEW RIVER NORTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC AUG 84 2/4

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 73-92 MONTH MAY

CLASS ALL WEATHER HOURS (LST) 19

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N				.6								2.4	5.3
NNE												4.2	4.8
NE												1.6	4.6
ENE												3.2	5.4
E												4.8	5.7
ESE												2.2	5.0
SE												4.2	6.5
SSE												7.7	4.7
S												26.6	5.7
SSW												13.2	5.4
SW												7.7	5.9
WSW												2.4	6.5
W												2.4	5.5
WNW												1.6	4.2
NW												1.6	4.9
NNW												2.2	4.7
VARBL													
CALM												4.8	
													2.2

TOTAL NUMBER OF OBSERVATIONS 511

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH

ALL WEATHER
CLASS

HOURS (L S T)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL WEATHER CLASS ALL HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.6	.5								5.4	5.2
NNE	1.7	1.4	1.4	.5								3.4	4.8
NE	.8	1.1	.6	.3								2.8	5.8
ENE	.6	1.2	.4	.2								2.4	5.4
E	.8	2.4	1.2	.6	.2							5.2	5.6
ESE	.8	1.7	1.3	.3	.2							3.5	6.1
SE	.4	1.7	1.6	.3								3.9	6.7
SSE	1.1	1.8	2.6	.6								5.6	6.6
S	2.7	4.1	4.4	1.5	.1							12.8	6.7
SSW	2.2	2.6	2.6	.8								8.1	5.9
SW	2.2	2.6	2.6	.7								8.1	5.2
WSW	1.7	2.5	1.8	.4		.2						7.6	5.9
W	1.7	1.7	1.7	.4								6.4	5.3
WNW	.8	1.2	.8	.3								3.1	5.1
NW	.7	1.3	.8	.3								3.1	5.9
NNW	.7	1.6	1.1	.3								3.8	6.1
VARBL													
CALM												11.7	
	21.0	32.7	27.6	6.3	.2	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2479

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	1.7	1.7	1.7									5.1	5.1
NNE	.7	1.7	.7	.7								4.7	4.3
NE	.7	1.0	1.0									2.7	3.6
ENE	1.7	1.0	.7									3.4	4.4
E	.7	2.0	.7	.7								3.7	5.7
ESE	.7	1.0										2.1	3.4
SE	1.0	.7										1.7	2.4
SSE	.7		.7									1.1	3.3
S	.7	2.0	1.7									4.4	4.2
SSW	.7	2.0	1.7									4.4	4.4
SW	3.7	7.1	3.7									14.7	4.2
WSW	3.7	2.7	.7	.7								7.1	3.3
W	2.0	1.7	1.0									4.7	4.2
WNW	1.7	.7	.7									2.7	4.1
NW	.7	.7										1.4	2.7
NNW	.7	1.7	.7	.7								3.8	5.7
VARBL													
CALM												28.7	
	17.8	30.2	11.8	1.3								100.1	3.3

TOTAL NUMBER OF OBSERVATIONS 592

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / [illegible] RIVER, NC / 77-81 / JUN
STATION / STATION NAME / YEARS / MONTH

ALL WEATHER
CLASS

24
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	1.[illegible]									6.[illegible]	4.6
NNE	[illegible]	1.[illegible]	[illegible]									5.[illegible]	4.5
NE	[illegible]	[illegible]	.[illegible]									4.[illegible]	4.8
ENE	[illegible]	1.[illegible]	.[illegible]									3.[illegible]	4.4
E	[illegible]	1.[illegible]	.[illegible]									2.[illegible]	4.8
ESE		.[illegible]										.[illegible]	[illegible]
SE		.[illegible]										.[illegible]	4.[illegible]
SSE	.[illegible]		.[illegible]									1.[illegible]	3.7
S	.[illegible]	1.[illegible]										2.[illegible]	3.1
SSW	.[illegible]	3.[illegible]	1.[illegible]									7.[illegible]	4.[illegible]
SW	[illegible]	5.[illegible]	1.[illegible]									11.[illegible]	4.[illegible]
WSW	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	3.[illegible]
W	[illegible]	[illegible]	.[illegible]									7.[illegible]	3.5
WNW	1.[illegible]	1.[illegible]										2.[illegible]	3.5
NW	1.[illegible]	.[illegible]	.[illegible]									2.[illegible]	3.4
NNW	1.[illegible]	1.[illegible]	1.[illegible]									4.[illegible]	5.5
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	1[illegible].[illegible]									1[illegible]0.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 330

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] 7 (STATION) [illegible] (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 7 (HOURS L S T)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	[illegible]									9.[illegible]	5.4
NNE	[illegible]	[illegible]	[illegible]	.3								7.[illegible]	4.5
NE	[illegible]	[illegible]	.[illegible]									5.3	3.7
ENE	[illegible]	[illegible]	[illegible]									4.[illegible]	4.6
E	[illegible]	[illegible]	.[illegible]	.[illegible]								4.[illegible]	5.[illegible]
ESE	.[illegible]	.[illegible]										1.[illegible]	3.5
SE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.7
SSE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.3
S	[illegible]	[illegible]	.[illegible]									3.[illegible]	4.1
SSW	[illegible]	[illegible]	[illegible]									7.[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]									8.[illegible]	4.7
WSW	[illegible]	[illegible]	[illegible]									11.[illegible]	5.0
W	[illegible]	[illegible]	[illegible]									12.[illegible]	4.9
WNW	[illegible]	[illegible]	.[illegible]									4.[illegible]	4.[illegible]
NW	[illegible]	[illegible]	.[illegible]									4.[illegible]	3.4
NNW	.[illegible]	[illegible]	.[illegible]									3.[illegible]	3.[illegible]
VARBL													
CALM												11.[illegible]	
	[illegible]	[illegible]	[illegible]	.[illegible]								[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

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

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 _____

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ 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 _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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 _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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 _____

CLASS _____ HOURS _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS (L.S.T.) 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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

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 (LST) _____

CONDITION _____

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

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 7[illegible] MONTH JUL

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 2479

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 _____ HOURS (LST) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ LST

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ EST

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
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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
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TOTAL NUMBER OF OBSERVATIONS _____

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ 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
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TOTAL NUMBER OF OBSERVATIONS 312

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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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
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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 _____

CLASS _____ HOURS _____

CONDITION _____

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS MONTH

CLASS HOURS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

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
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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 _____ 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
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TOTAL NUMBER OF OBSERVATIONS _____

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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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
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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
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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
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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) 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
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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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ LST

CONDITION _____

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION ____ STATION NAME ____ YEARS ____

CLASS ____

CONDITION ____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

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TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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 _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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													
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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													
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 _____

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													
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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													
SSE													
S													
SSW													
SW													
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W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ LST

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS MONTH

CLASS HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 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													
S													
SSW													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 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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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS MONTH

CLASS

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION STATION NAME YEARS

CLASS

CONDITION

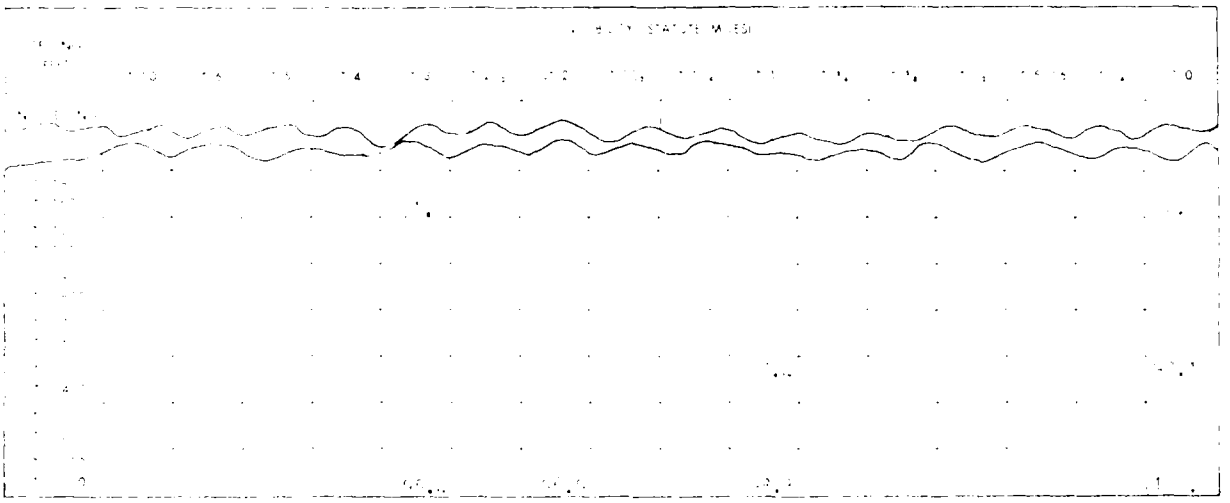
SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	TOTAL
N												
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CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

PART D CEILING VERSUS VISIBILITY

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION



EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0. For instance, from the table: Ceiling ≥ 1500 feet = 96.6%.
Ceiling ≥ 500 feet = 96.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 99.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 96.8%.

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

PART D

ADDITIONAL EXAMPLES

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

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

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

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

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

PART D

SKY COVER

[illegible] observations and is a percentage [illegible] and total number of observations. It is presented in two tables as follows:

[illegible] and annual - all years and all hours combined.

[illegible] - by standard 3-hour groups.

[illegible] sky cover (total cloud amount) was not reported [illegible] available, were punched for Air Force stations [illegible] stations until 1945 or 1946. Weather Bureau stations recorded total [illegible] beginning sometime in 1945, but few stations [illegible] will, of course, be limited to periods of available data.

[illegible] converted to tenths prior to summarizing [illegible] were originally reported in [illegible]

[illegible]

CEILING VERSUS VISIBILITY

STATION ____ STATION NAME ____ YEARS ____ MONTH ____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS ____

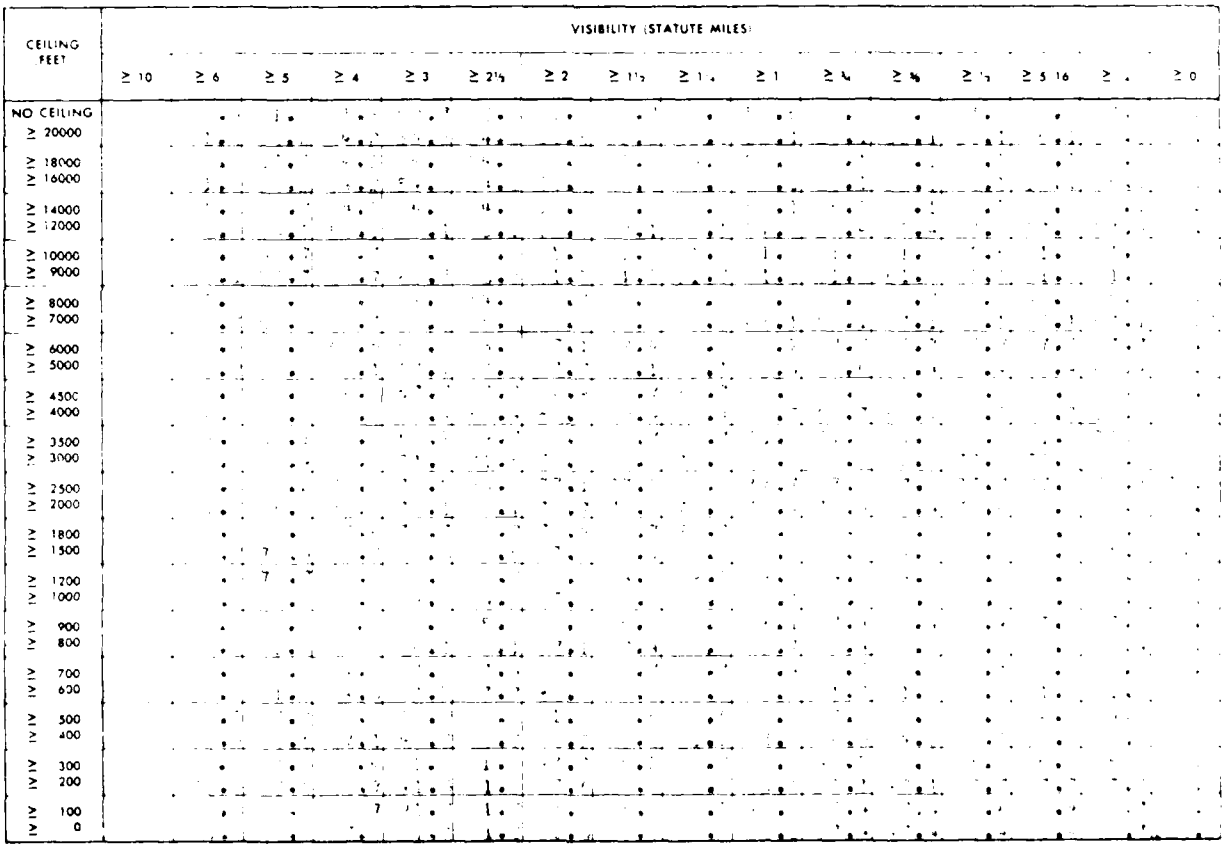
DIRNAVOCEANMET 5105

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

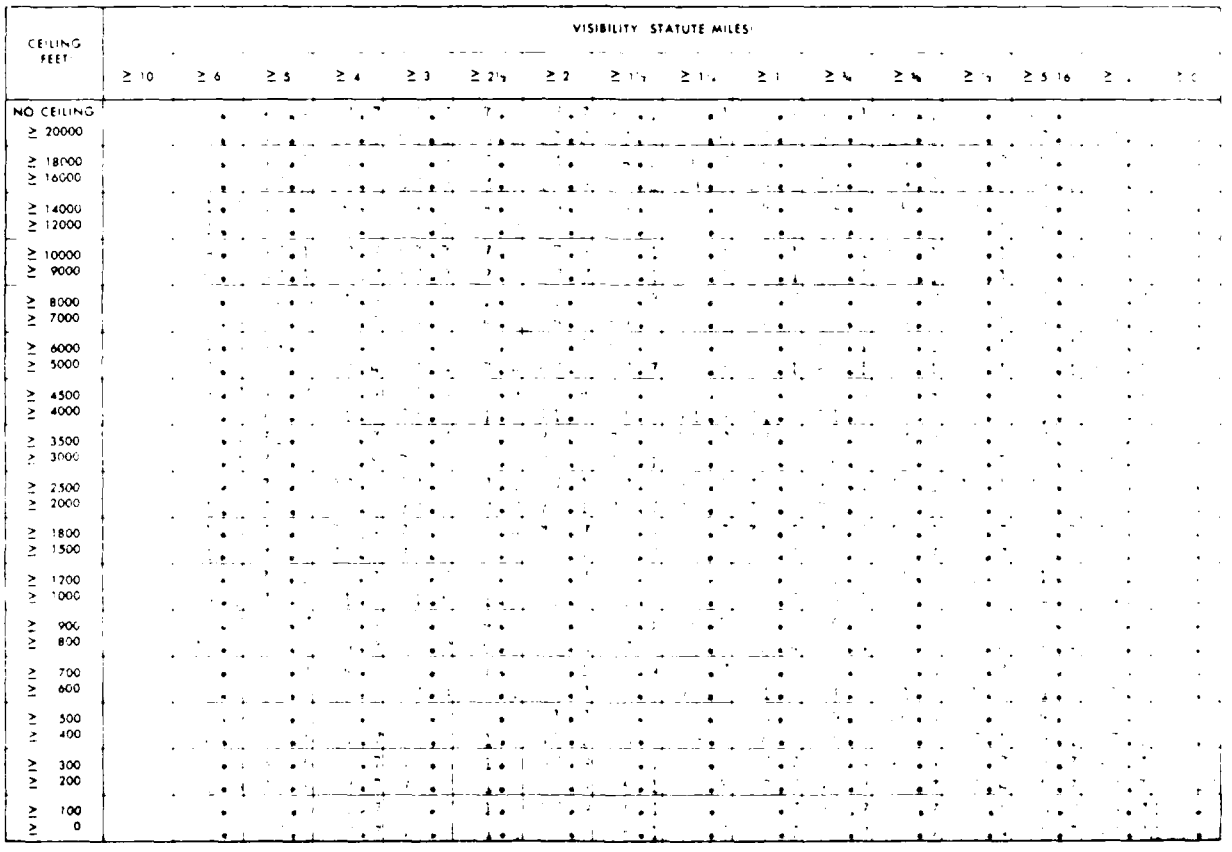
CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	< 0
NO CEILING																
≥ 20000																
AND 18000																
AND 16000																
AND 14000																
AND 12000																
AND 10000									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

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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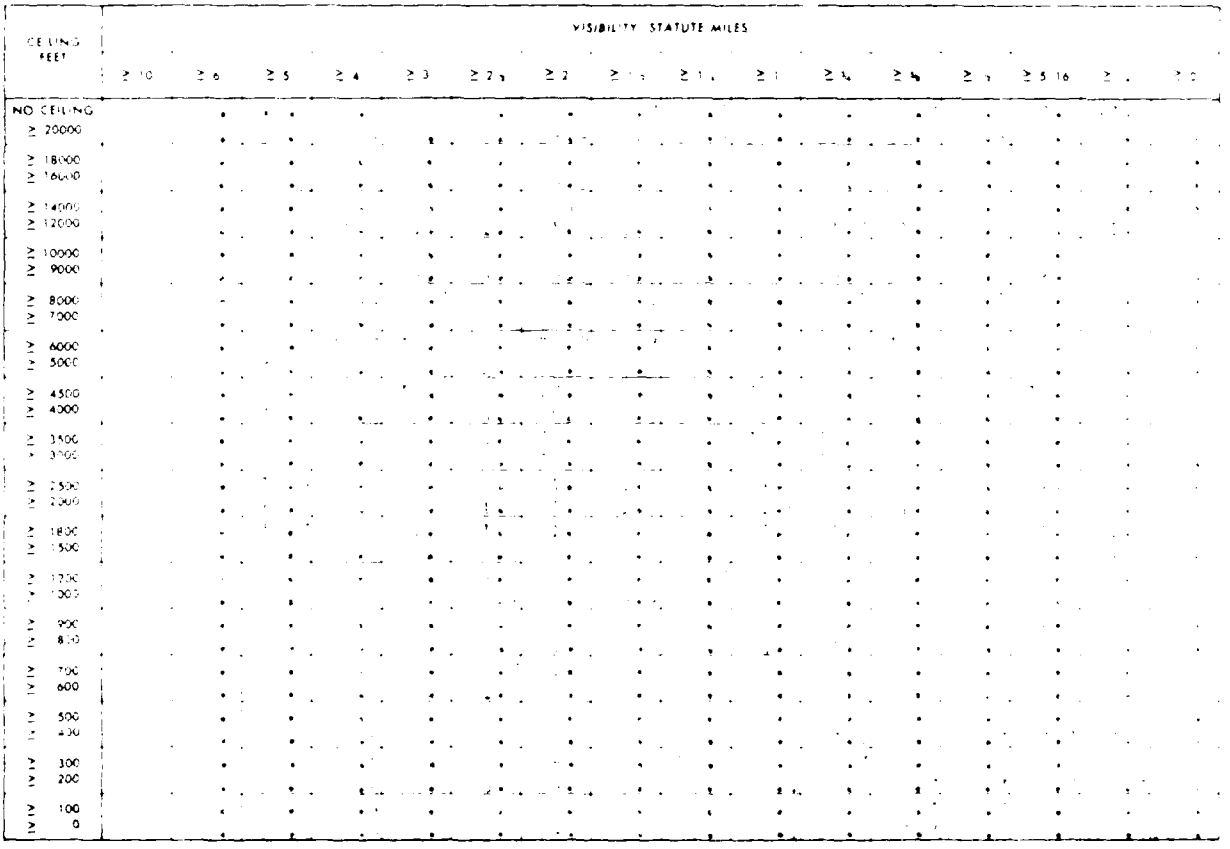
TOTAL NUMBER OF OBSERVATIONS

DIRECTOR OF WEATHER SERVICES

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
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≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

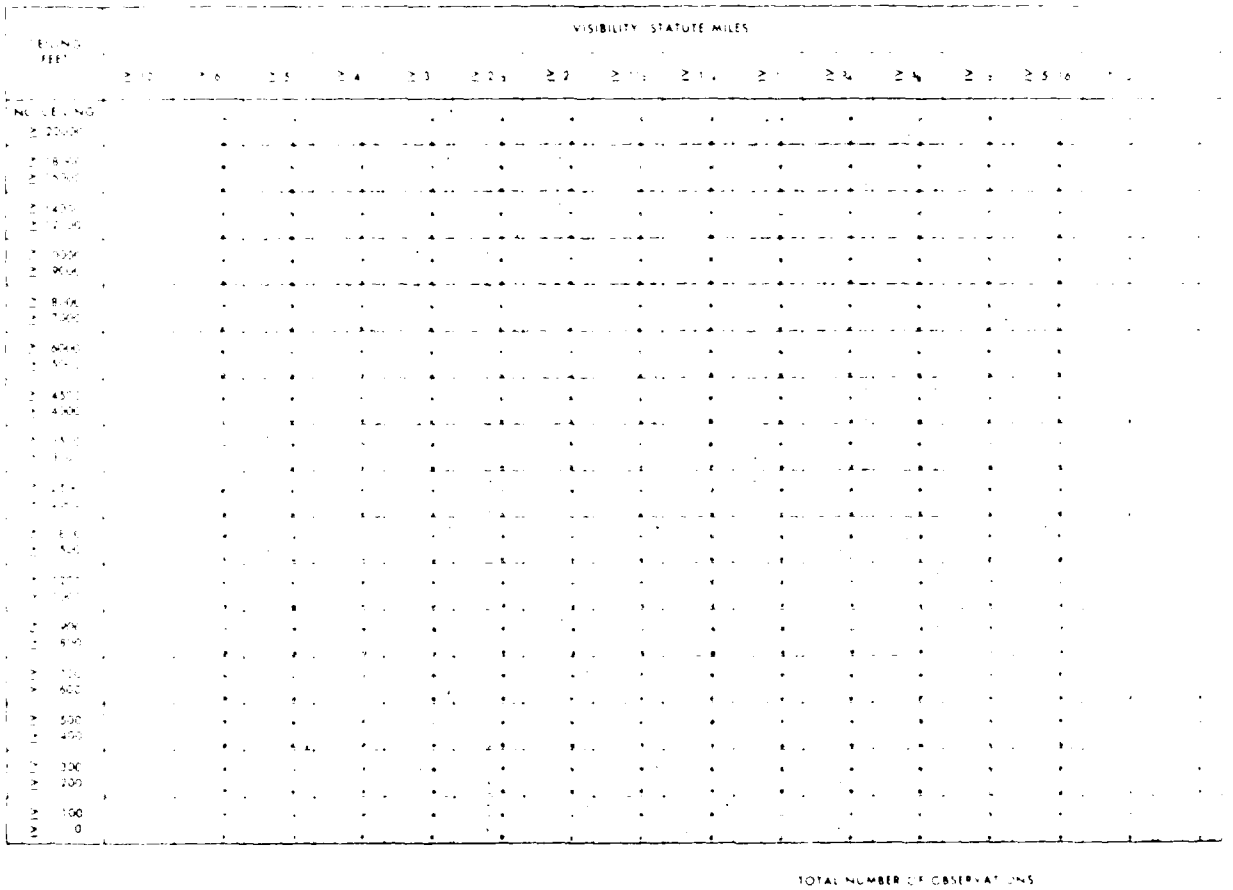
CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	<
NO CEILING															
≥ 20000															
≥ 18000															
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≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

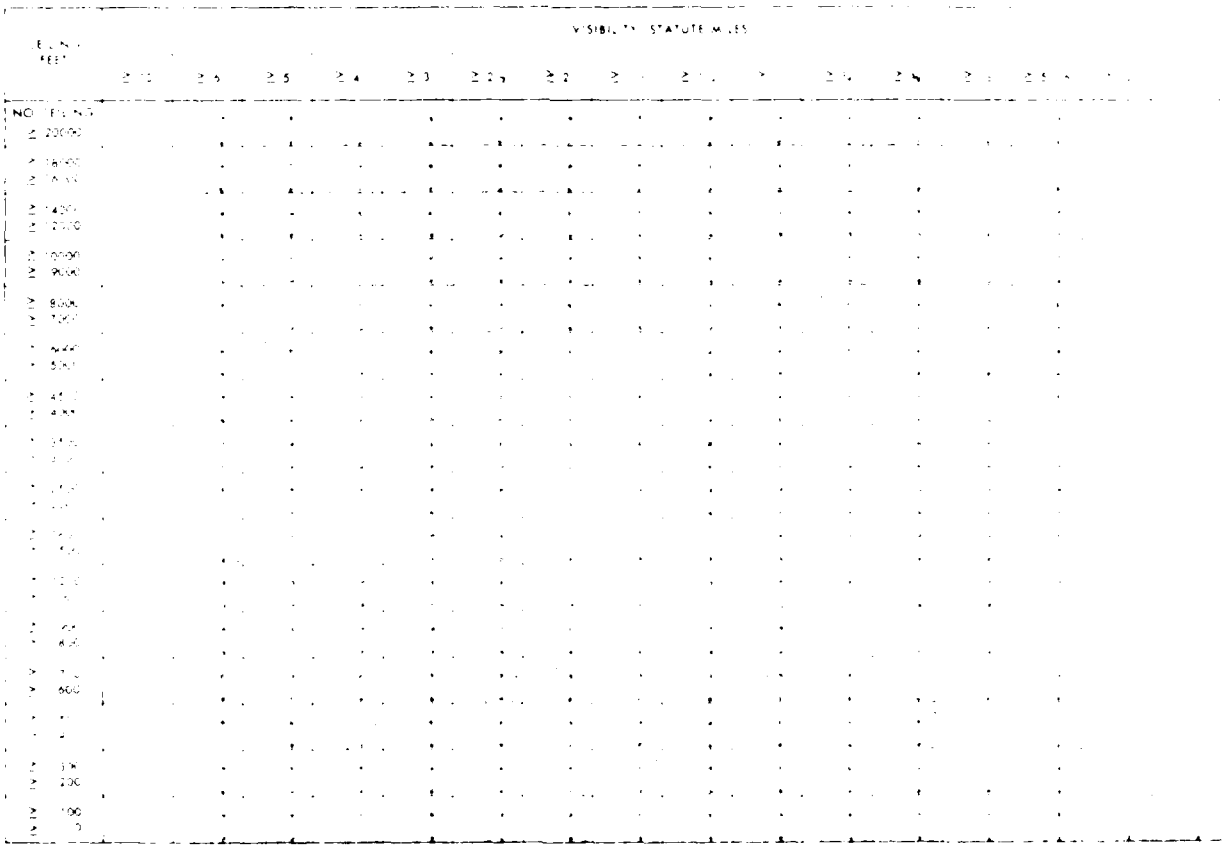


TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISI

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼
NO CEILING														
≥ 20000														
< 20000														
≥ 15000														
< 15000														
≥ 10000														
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< 100														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																	
≥ 20000																	
≥ 18000																	
≥ 16000																	
≥ 14000																	
≥ 12000																	
≥ 10000																	
≥ 9000																	
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≥ 500																	
≥ 400																	
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≥ 200																	
≥ 100																	
0																	

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	< 5/16
NO CEILING															
≥ 20000															
≥ 18000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

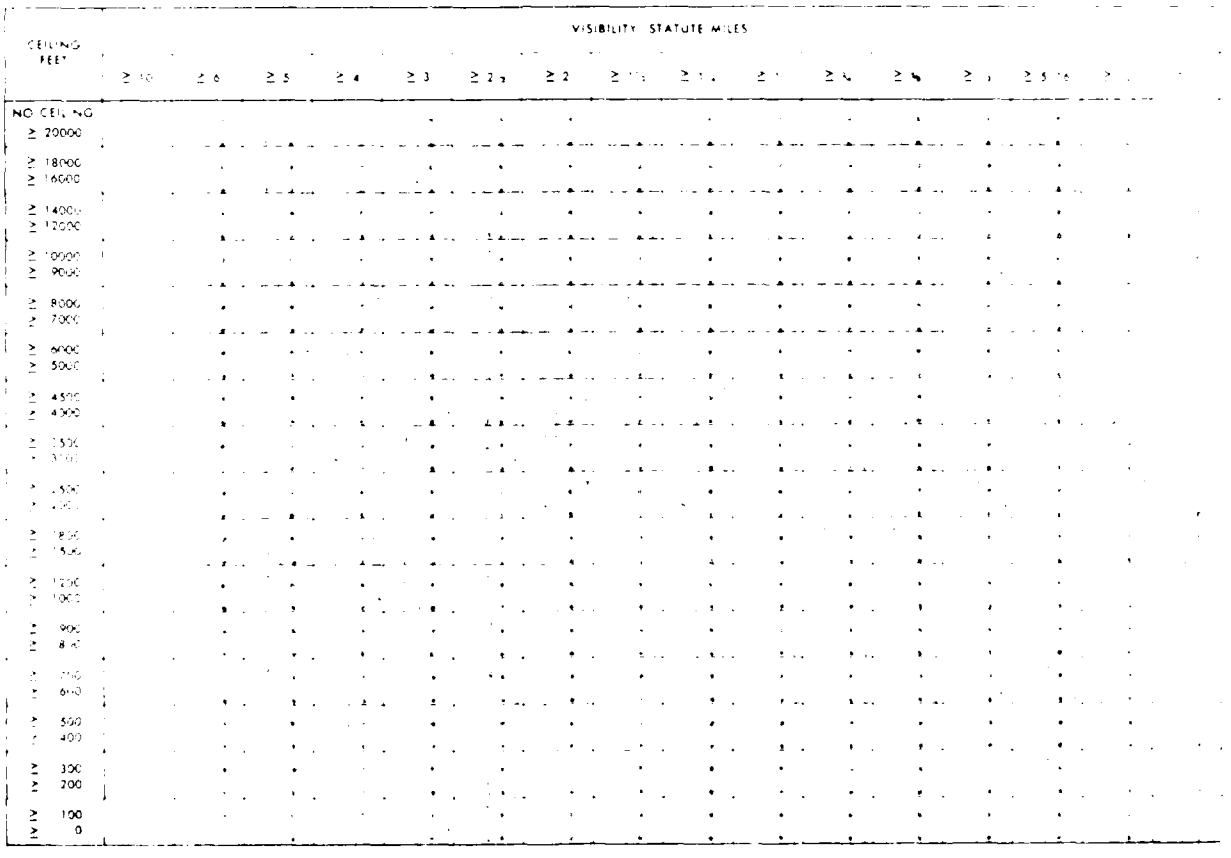
CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

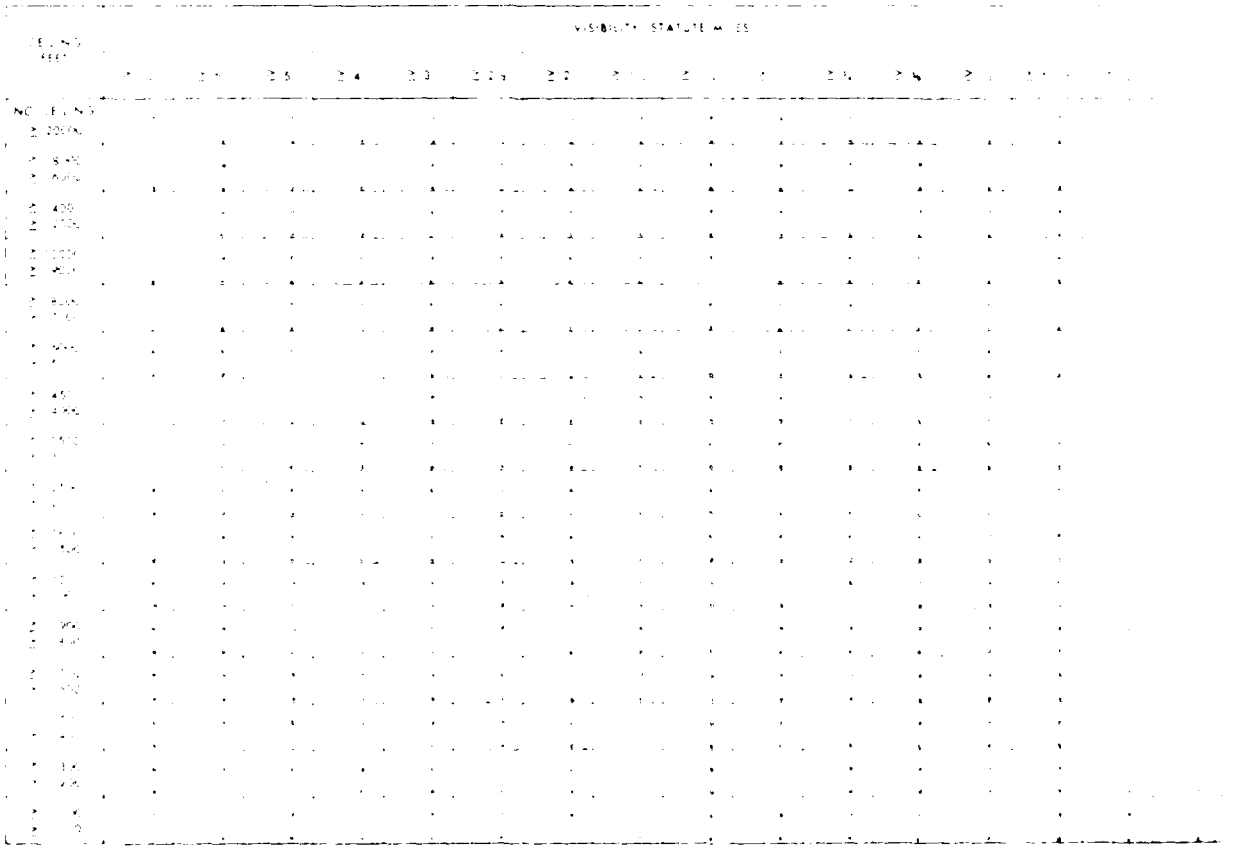
CEILING FEET	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼
NO CEILING														
≥ 20000														
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

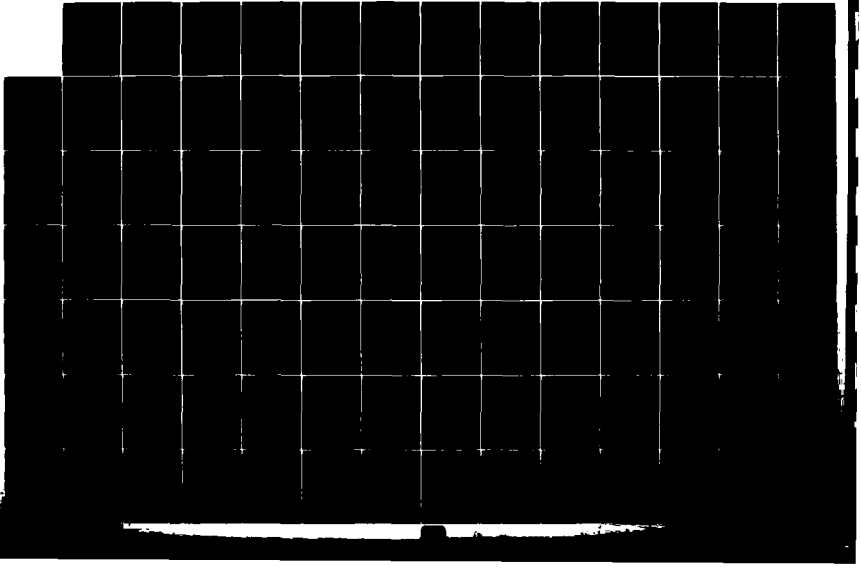
CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	< ½
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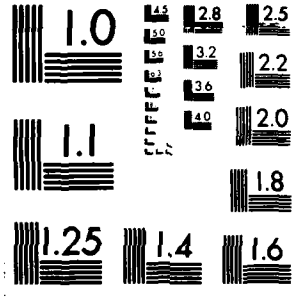
TOTAL NUMBER OF OBSERVATIONS

AD A150 384 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) NEW RIVER NORTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC AUG 84

3/4

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)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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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	≥ ½	≥ ⅜	≥ 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	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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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

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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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	≥ 1¼	≥ 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 _____

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																
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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.) 1

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	≥ 1¾	≥ 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	≥ 3/16	≥ 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 _____

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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TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DRNAVOCEANMET 5P05

NAVAL WEATHER SERVICE DETACHMENT [illegible]

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS [illegible]

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ADDRESS

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	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
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≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET 3/OS

NAVAL WEATHER SERVICE DETACHMENT [illegible] NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ⅞	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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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 _____ LST

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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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET 5M05

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

OPNAVOCEANMET 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																
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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.

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

TOTAL NUMBER OF OBSERVATIONS _____

[illegible] CEANMET SMOS

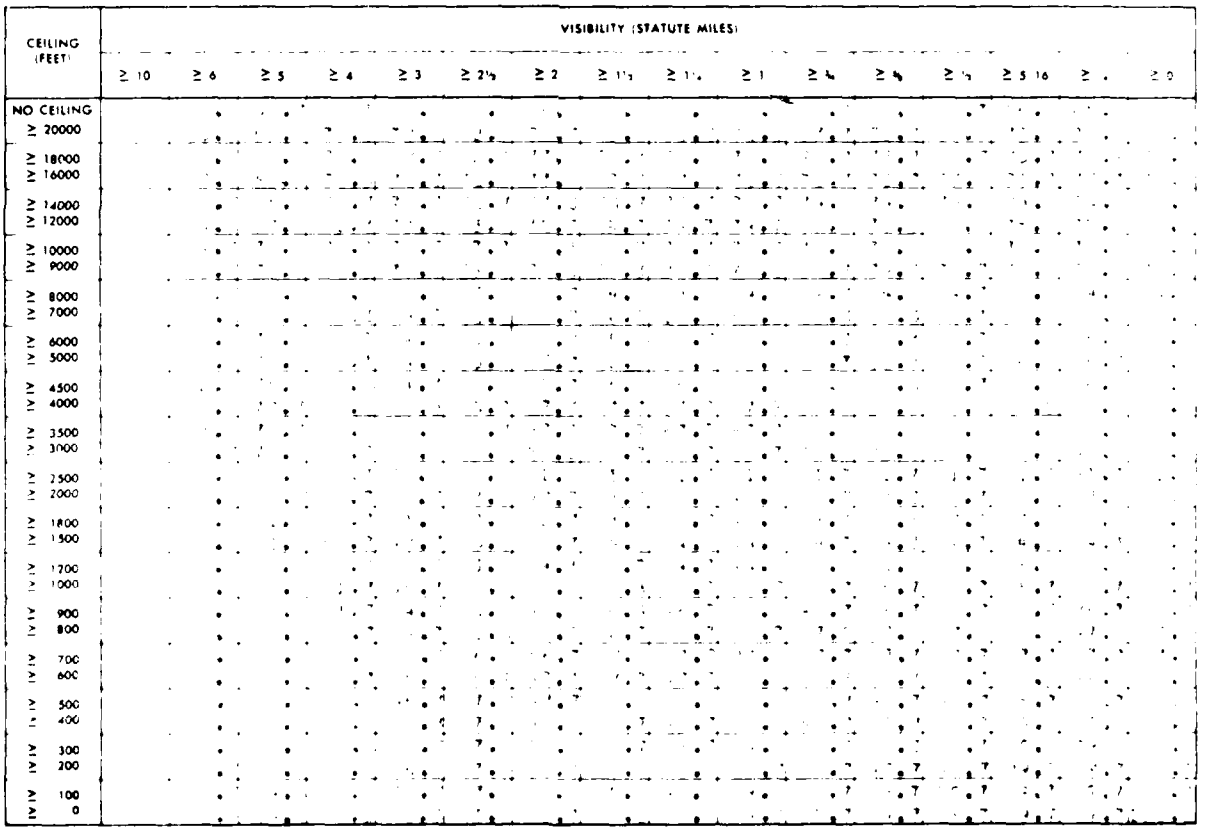
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)



TOTAL NUMBER OF OBSERVATIONS

NAVAER (EA/MET) [illegible]

NAVAL WEATHER SERVICE DETACHMENT, NAS MEMPHIS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS _____

OPNAV5CEANMET 5605

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

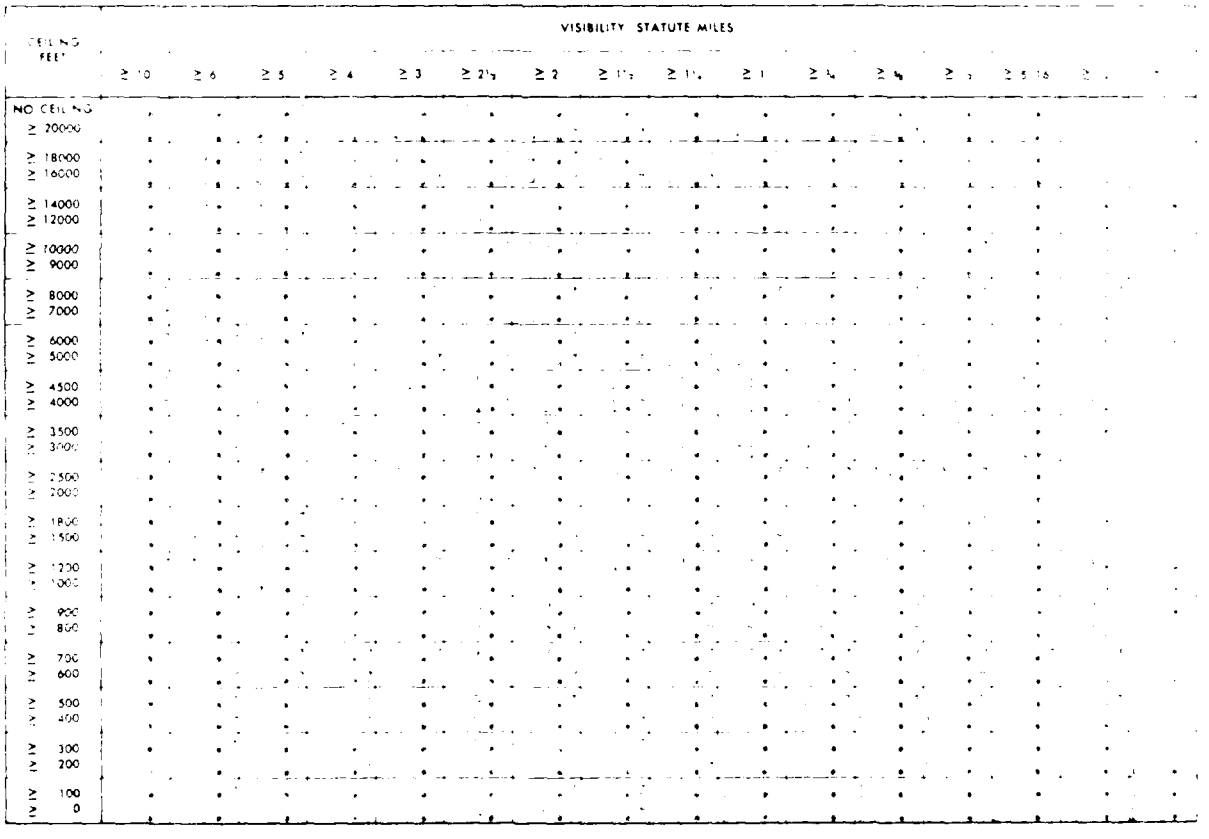
CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	< ¼
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

SIGNAL CLEARANCE

NAVAL WEATHER SERVICE DETACHMENT, ANAHEIM, CA

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																
AVAI 18000 16000																
AVAI 14000 12000																
AVAI 10000 9000																
AVAI 8000 7000																
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AVAI 700 600																
AVAI 500 400																
AVAI 300 200																
AVAI 100 0																

TOTAL NUMBER OF OBSERVATIONS _____

OPNAV/OCEANMET 5605

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS _____

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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TOTAL NUMBER OF OBSERVATIONS _____

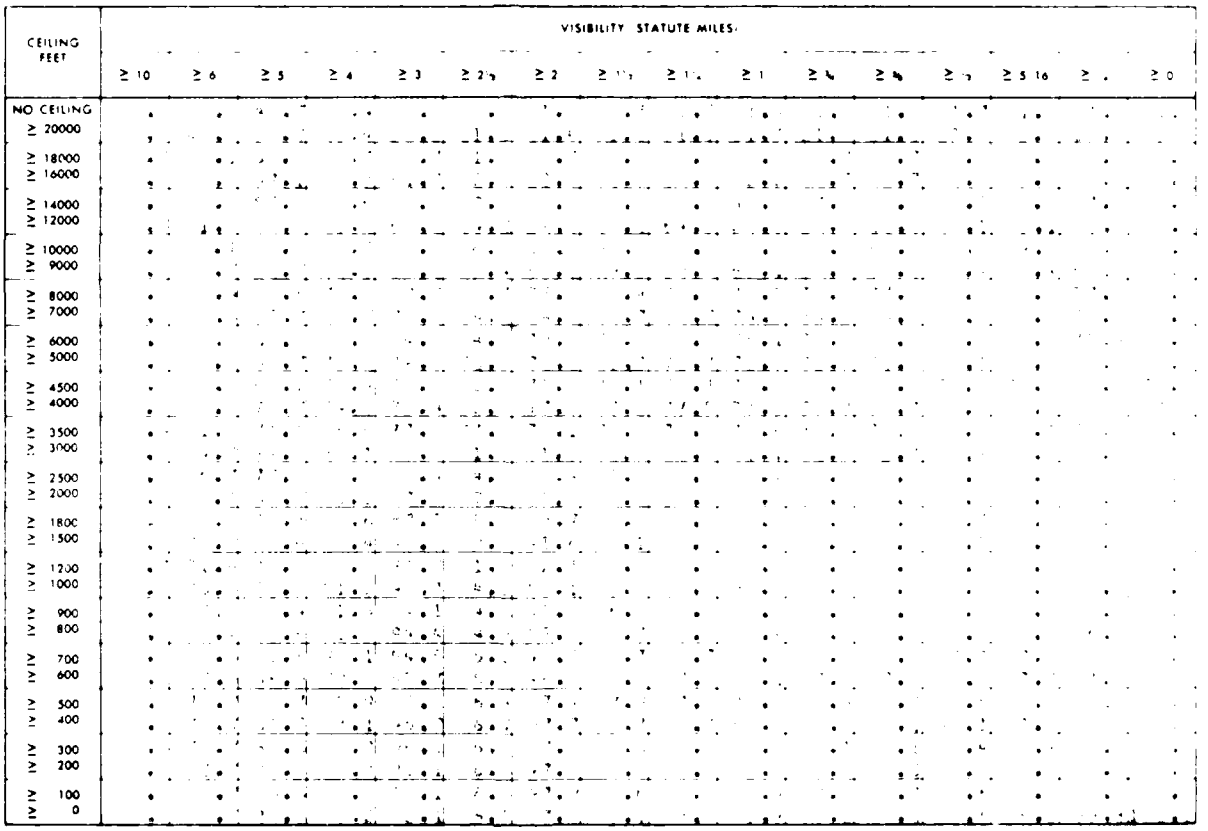
DIPSAVUCEANMET SW05

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES: ≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVI 18000																
AVI 16000																
AVI 14000																
AVI 12000																
AVI 10000																
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AVI 100																
AVI 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DEPARTMENT OF COMMERCE

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

NAVAIR/OCEANMET 6005

NAVAL WEATHER SERVICE ENVIRONMENTAL ASSESSMENT NO.

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVAI 18000																
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AVAI 0																

TOTAL NUMBER OF OBSERVATIONS

CNRNAVOCEANMET — 5/80S

CEILING VERSUS VISIBILITY

STATION _____ STATE OR BASE _____ YEARS _____ MONTH _____

HOURS _____ LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
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TOTAL NUMBER OF OBSERVATIONS _____

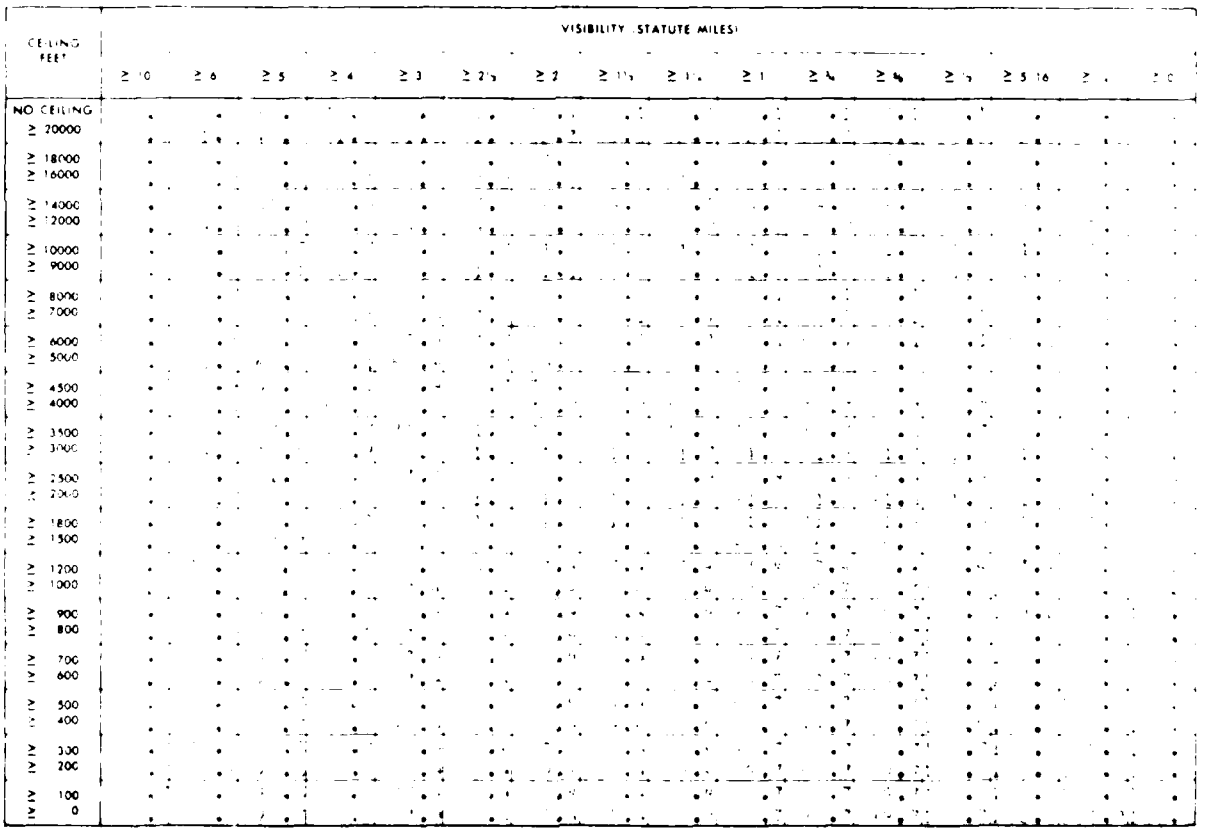
CDRNAVOCEANMET — SMOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

FORM C-LEAFLET (7-70)

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	< ¼
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
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≥ 100															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

*MEAN CEILING HEIGHT

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼		
NO CEILING															
≥ 20000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS G.T.

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

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

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	< ¼
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS ... E.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 _____

CNAVOCEANMET OMOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIPS/AVIDEANNET 0015

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DMA AVOCEANMET SMOS

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																
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AVIV 100																
AVIV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET 3105

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ATHENS, GA.

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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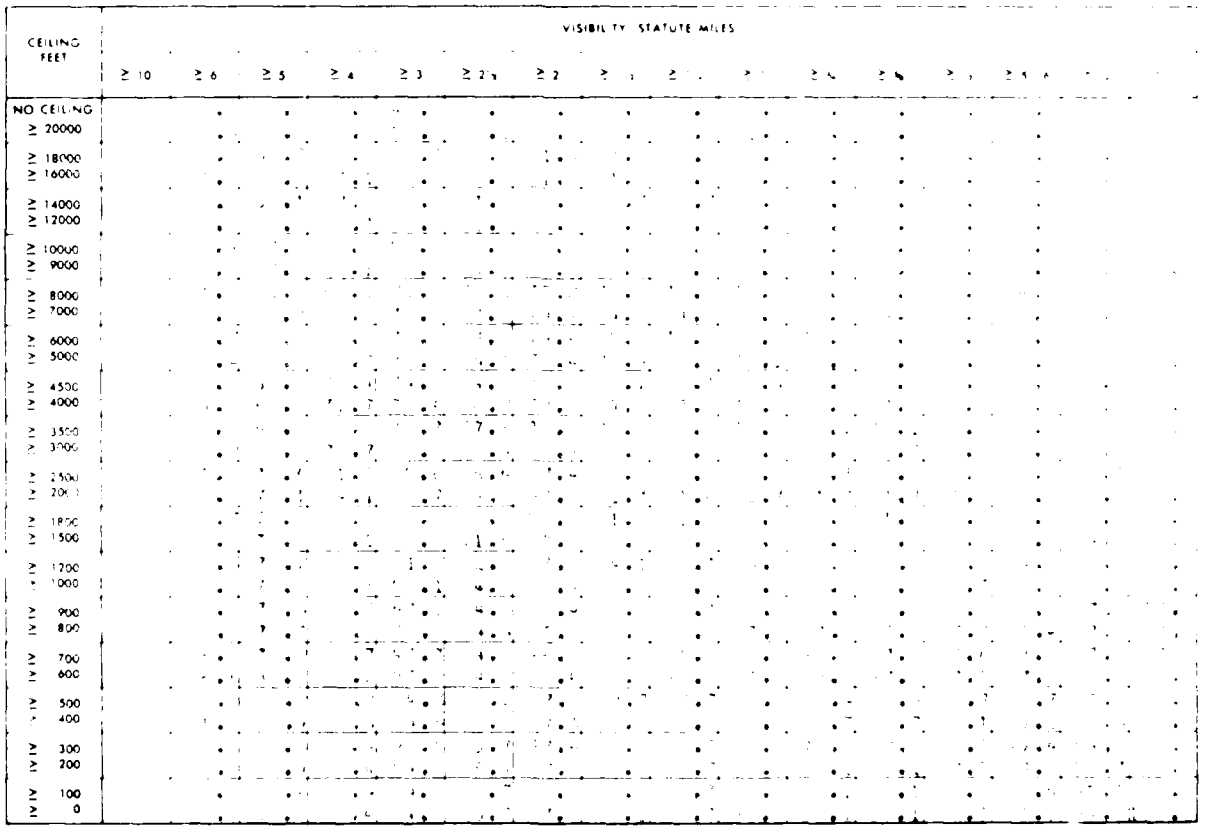
TOTAL NUMBER OF OBSERVATIONS _____

OPNAV/OCEANMET 5M05

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

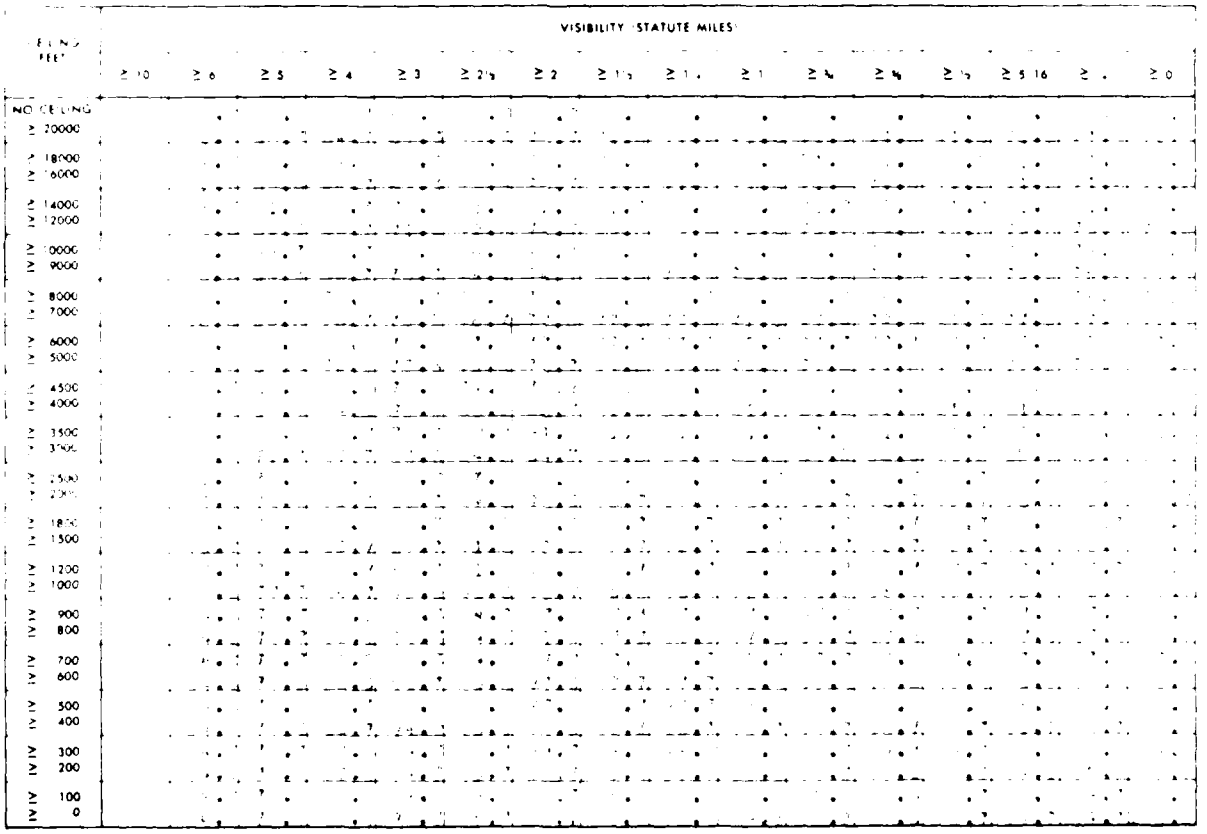


TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5930/5

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CLIMATOLOGY

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

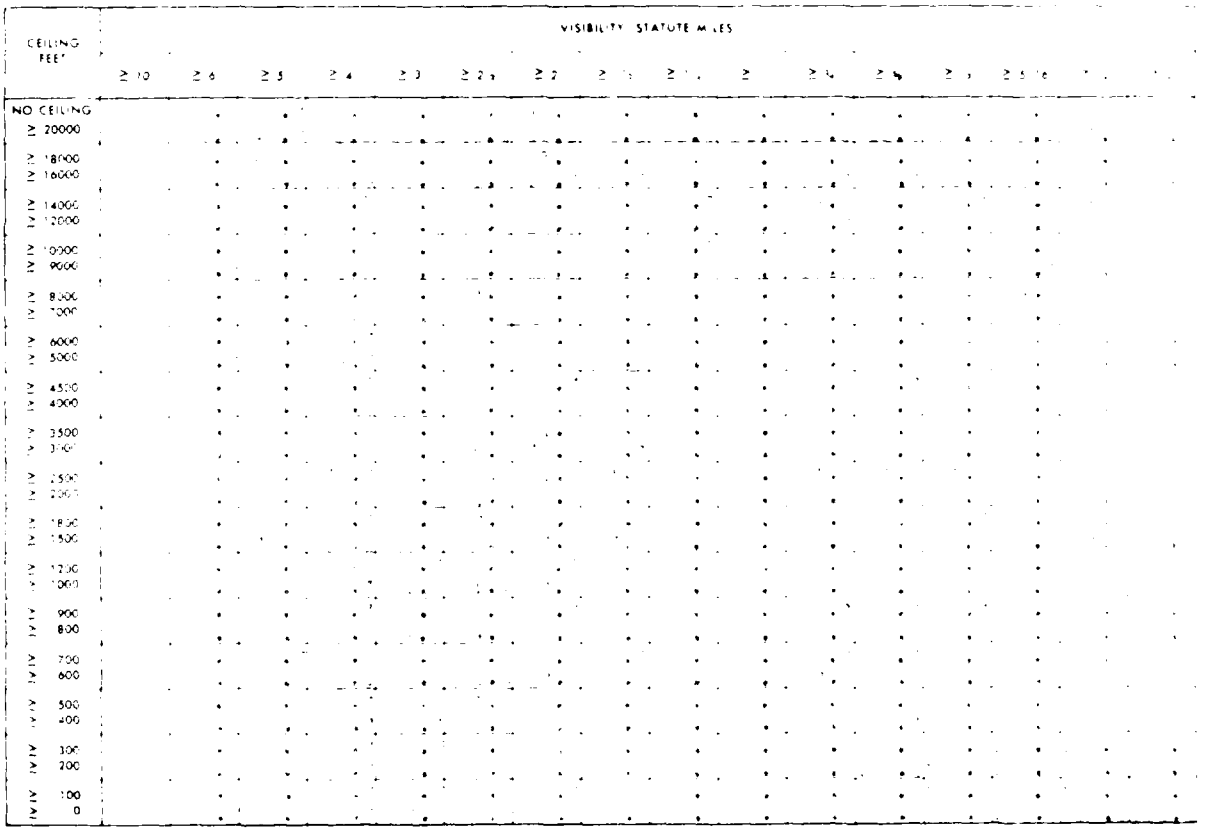
CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	< 5/16
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NUMBER | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

WBAN CLASSIFIER

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

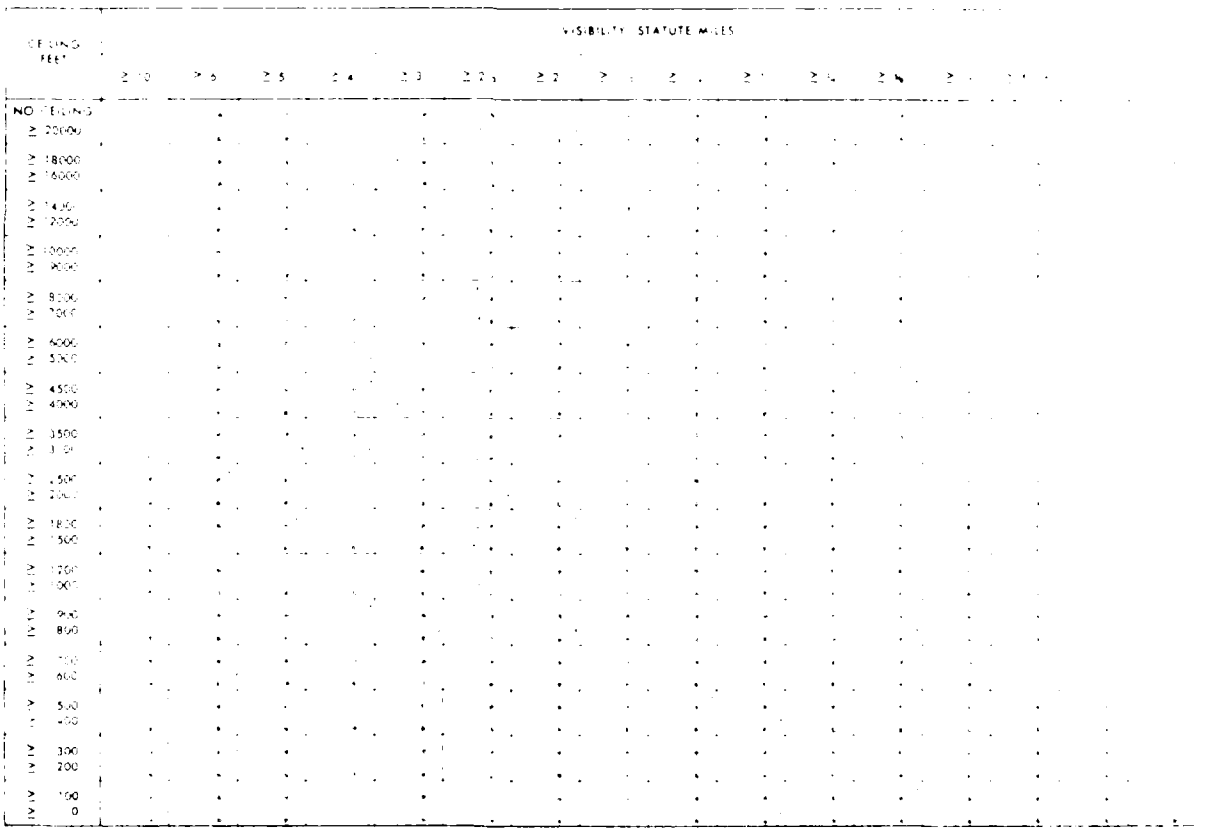
CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

NAVAVIOCEANMET 3105

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																
AVAL 18000																
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TOTAL NUMBER OF OBSERVATIONS

CIRPAC/CEANNET 5705

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS _____

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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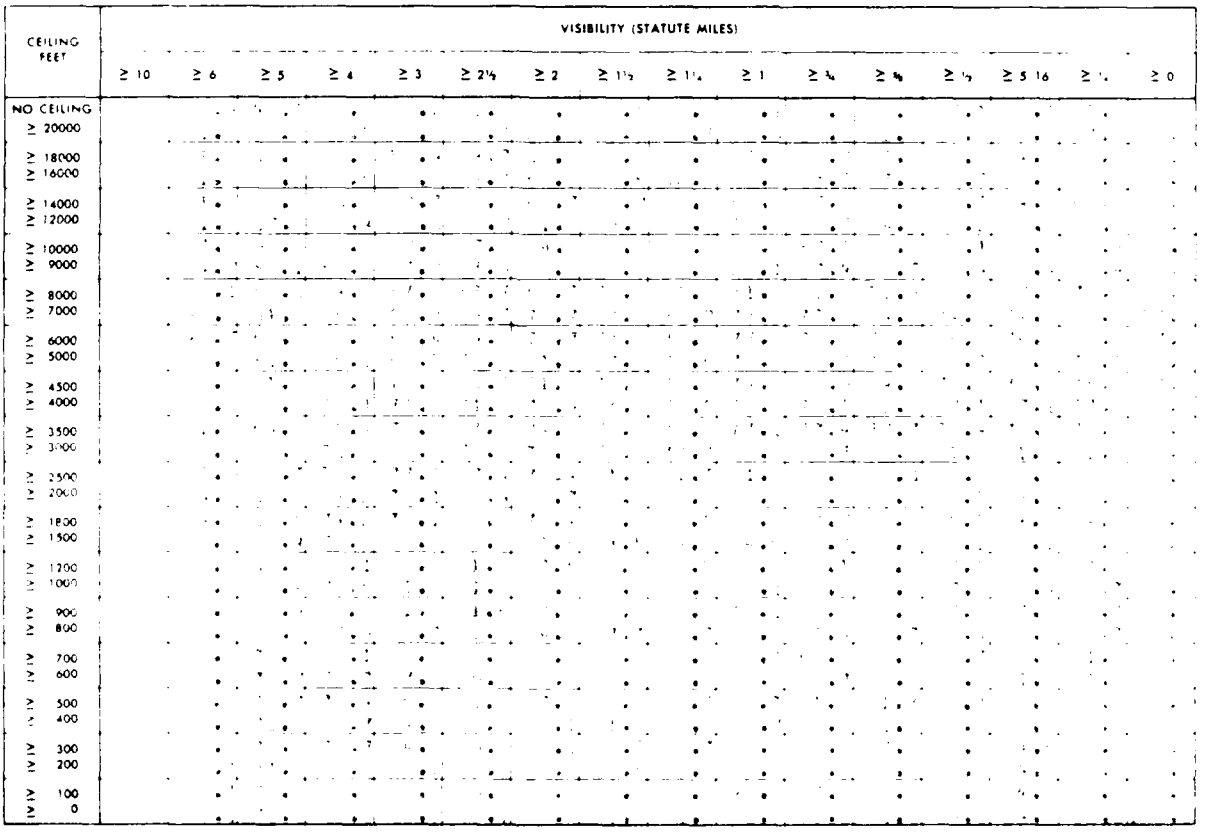
TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, NAVWEPSCEN [illegible]

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 200																
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TOTAL NUMBER OF OBSERVATIONS _____

CNAVWEACENMET 3610/5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16		
NO CEILING																
≥ 20000																
AVAI 18000																
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AVAI 400																
AVAI 300																
AVAI 200																
AVAI 100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 9MOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVAI 18000																
AVAI 16000																
AVAI 14000																
AVAI 12000																
AVAI 10000																
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AVAI 500																
AVAI 400																
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AVAI 200																
AVAI 100																
AVAI 0																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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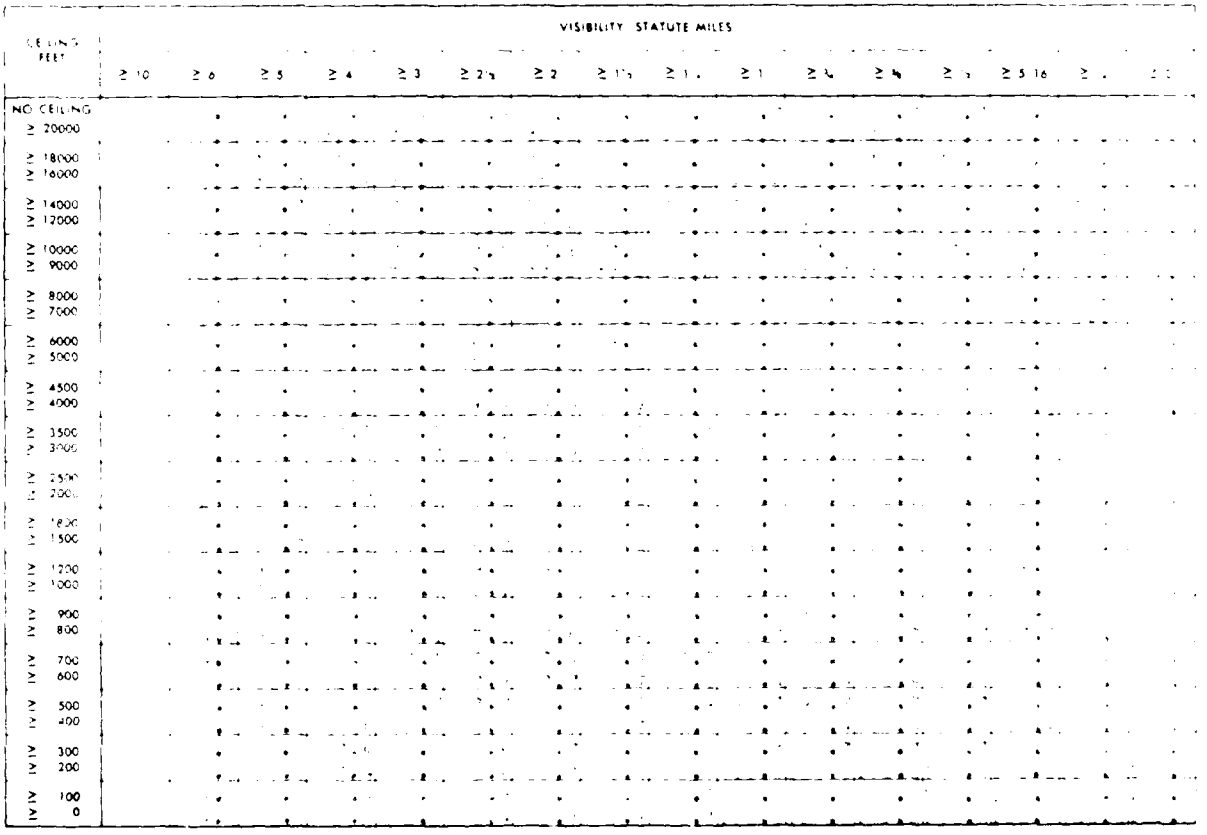
TOTAL NUMBER OF OBSERVATIONS

SIGNAL CORPS [illegible]

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	< ⅛
NO CEILING																	
≥ 20000																	
≥ 18000																	
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	TOTAL
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
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≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING																
≥ 20000																
≥ 15000																
≥ 10000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	< ¼
NO CEILING																
≥ 20000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

NAVAIR WEATHER SERVICE DETACHMENT [illegible]

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS _____

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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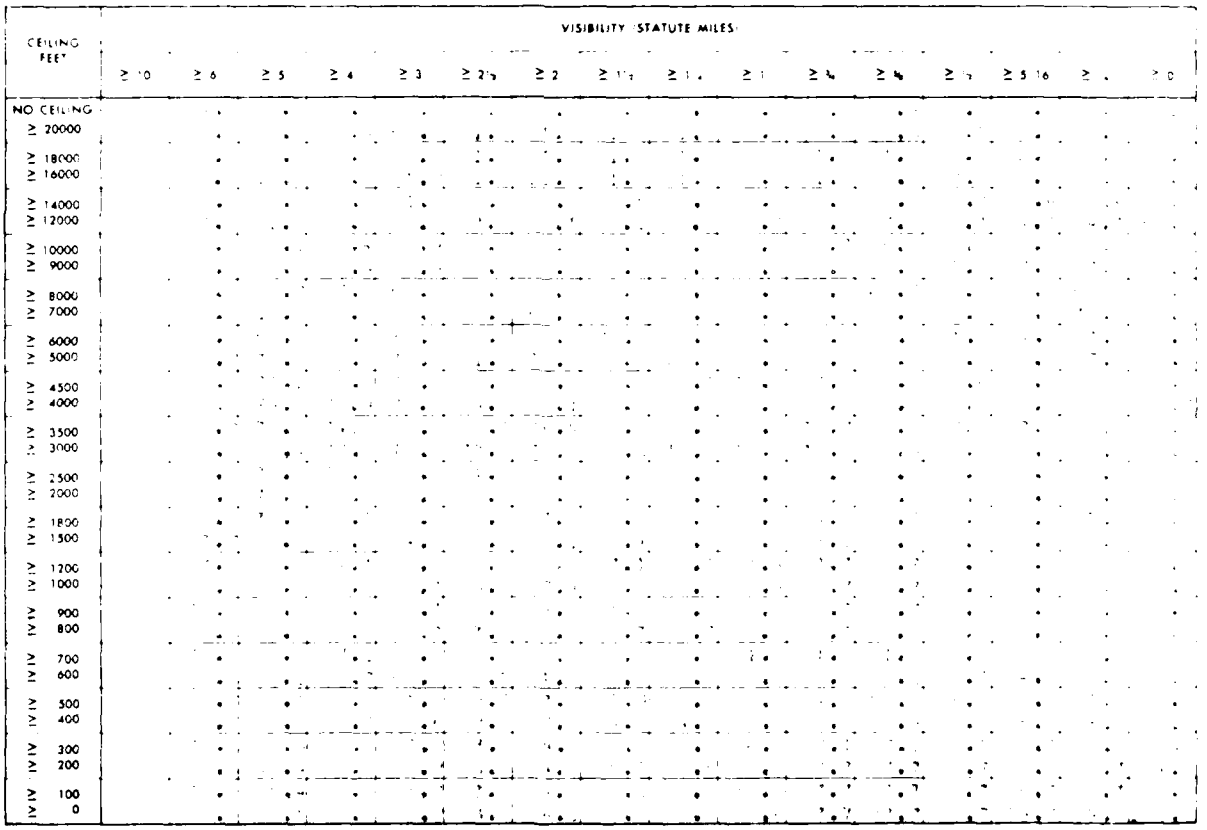
TOTAL NUMBER OF OBSERVATIONS _____

[illegible] AVCEANMET 5105

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)



TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 3305

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

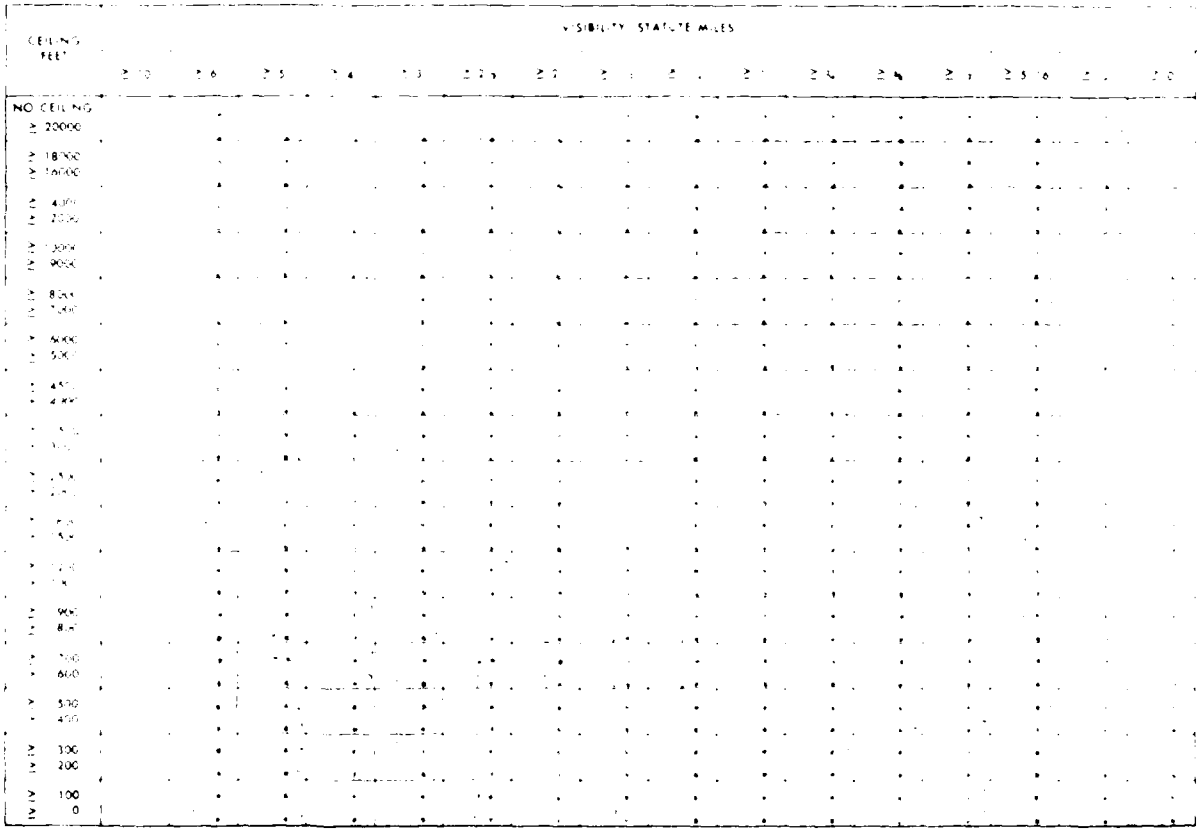
CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	<
NO CEILING															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ [illegible]	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼	[illegible]
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VIS

STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
≥ 18000															
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

4

SKY COVER

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		
TOTAL														

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4

SKY COVER

STATION STATION NAME MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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		
TOTAL														

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4

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	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													

4

SKY COVER

STATION STATION NAME YEAR PERIOD

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. OBS.
		0	1	2	3	4	5	6	7	8	9	10		
YEARLY														

4

SKY COVER

STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	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

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	MEAN TENTHS OF SKY COVER	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]	
TOTAL		[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

4

SKY COVER

STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF
		0	1	2	3	4	5	6	7	8	9	10		
TOTALS														

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SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOUR (LST)	PERCENTAGE FREQUENCY OF OCCURRENCE BY TENTHS OF SKY COVERED								MEAN SKY COVER (TENTHS)
		0	1	2	3	4	5	6	7	8	9	10	
		1.	3.							.	.	.	
		.	.							.	.	.	
		.	.							.	.	.	
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		.	.							.	.	.	

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SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HQ RLY OBSERVATIONS

4

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

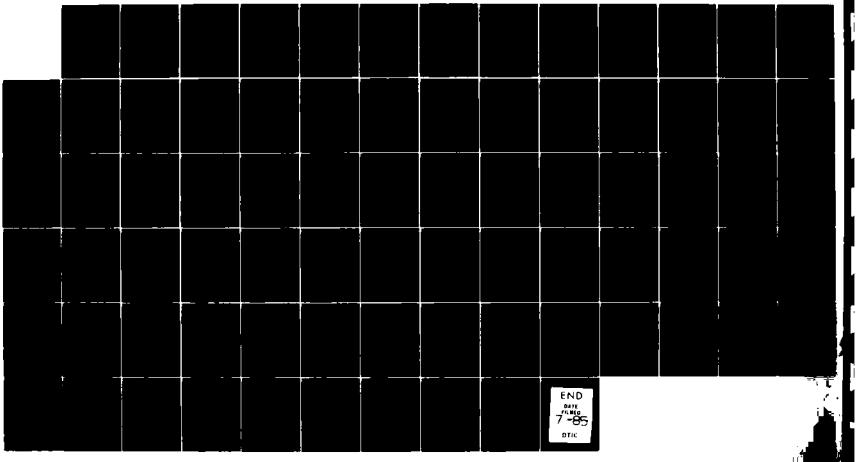
	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN SKY COVER
	0	1	2	3	4	5	6	7	8	

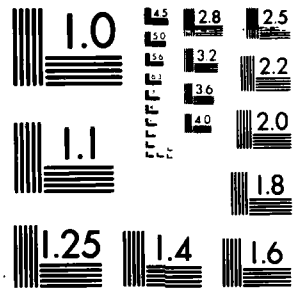
SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

AD A150 384 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) NEW RIVER NORTH CAROLINA(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

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		
[illegible]	[illegible]1	35.3			27.4						16.9	20.4	4.9	[illegible]
	[illegible]4	36.2			19.7						11.9	32.4	4.8	[illegible]
	[illegible]7	20.4			25.3						21.2	33.2	6.1	[illegible]
	1[illegible]	21.4			[illegible]						21.7	36.6	6.2	[illegible]
	1[illegible]	13.4			27.1						22.7	36.9	6.4	[illegible]
	1[illegible]	18.1			22.2						21.7	38.2	6.4	[illegible]
	1[illegible]	21.6			25.3						16.2	32.1	5.5	[illegible]
	2[illegible]	32.5			21.4						14.5	31.5	5.1	[illegible]
TOTALS		26.1			21.9						16.2	33.9	5.7	[illegible]

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4

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	73-82	ALL

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	[illegible].1			18.2						16.9	36.7	5.9	[illegible]
FEB		25.7			22.0						16.8	33.5	5.7	2256
MAR		21.4			20.6						19.4	38.0	6.2	2490
APR		27.3			22.9						22.9	27.0	5.4	2400
MAY		14.6			24.6						29.8	31.0	6.5	2479
JUN		10.7			25.7						34.4	29.2	6.8	2400
JUL		9.4			27.7						35.2	27.7	6.9	2481
AUG		9.4			30.5						35.7	24.9	6.6	2481
SEP		11.5			28.5						33.1	26.8	6.5	2479
OCT		13.3			25.7						32.7	21.9	6.0	2481
NOV		21.9			23.5						20.1	26.4	5.7	2400
DEC		24.1			21.8						18.2	33.9	5.7	2479
TOTALS		23.2			24.4						25.7	29.7	6.0	29205

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the [illegible] of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\overline{X}$), 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.

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

4

DAILY TEMPERATURES

STATION ______ 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
≥ [illegible]						.[illegible]	.	.7					.[illegible]
≥ [illegible]					.[illegible]	[illegible].9	6.5	6.3	.				.
≥ [illegible]				1.[illegible]	[illegible].[illegible]	2[illegible].9	39.[illegible]	3[illegible].[illegible]	1[illegible].1	.[illegible]			.[illegible]
≥ [illegible]		.1	1.[illegible]	.1	2[illegible].3	52.2	80.[illegible]	76.1	4[illegible].[illegible]	4.7	.[illegible]		[illegible]
≥ [illegible]	.	1.4	6.[illegible]	[illegible].1	52.6	[illegible]4.3	96.7	92.5	75.7	[illegible]	.[illegible]	.[illegible]	[illegible].9
≥ [illegible]	[illegible].	4.3	16.[illegible]	45.3	7[illegible].3	[illegible].5	99.4	99.[illegible]	9[illegible].	[illegible]1.5	17.[illegible]	5.[illegible]	.
≥ [illegible]	.	14.	3[illegible].6	66.5	[illegible]1.7	[illegible].2	99.9	99.8	97.4	75.7	3[illegible].[illegible]	1[illegible].[illegible]	5[illegible].[illegible]
≥ [illegible]	1[illegible].	26.7	43.	[illegible]5.2	[illegible]6.[illegible]	99.6	100.0	100.0	100.0	[illegible].9	53.7	[illegible].4	7[illegible].[illegible]
≥ [illegible]	[illegible].7	43.1	67.6	[illegible]5.4	9[illegible].7	99.9				.7	7[illegible].[illegible]	4[illegible].[illegible]	7[illegible].7
≥ [illegible]	4[illegible].	56.8	81.4	98.5	99.[illegible]	100.0				[illegible].7	[illegible]7.[illegible]	61.[illegible]	[illegible].
≥ [illegible]	[illegible]1.2	71.2	[illegible].9	99.6	100.0					100.	[illegible]5.[illegible]	7[illegible].[illegible]	9[illegible].
≥ [illegible]	76.[illegible]	83.4	[illegible]6.5	99.9							[illegible]9.	[illegible].2	[illegible].6
≥ [illegible]	[illegible]7.[illegible]	93.3	98.[illegible]	100.0							100.[illegible]	[illegible]7.[illegible]	[illegible].1
≥ [illegible]	[illegible]5.[illegible]	[illegible].4	99.[illegible]									[illegible]9.4	[illegible]
≥ [illegible]	[illegible]	[illegible]9.7	99.[illegible]									9[illegible].[illegible]	9[illegible].[illegible]
≥ [illegible]	[illegible]9.	100.0	100.0									[illegible].[illegible]	1[illegible].[illegible]
≥	[illegible].												[illegible].
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MEAN	[illegible].	[illegible].7	[illegible].	7[illegible].[illegible]	7[illegible].7	[illegible].9	[illegible].1	[illegible].4	[illegible]3.[illegible]	7[illegible].[illegible]	[illegible]6.1	[illegible].4	[illegible].[illegible]
S D	11.[illegible]	11.2[illegible]	[illegible].4[illegible]5	8.4[illegible]3	7.112	5.[illegible]53	4.5[illegible]	4.934	5.[illegible]1[illegible]	7.31[illegible]	[illegible].[illegible]6[illegible]	[illegible]	14.[illegible]
TOTAL OBS.	[illegible]	771	[illegible]	[illegible]4	35[illegible]	824	316	3[illegible]9	575	[illegible]	[illegible]4	[illegible]46	[illegible]

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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
MEAN													
S.D.													
TOTAL OBS.													

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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
≥						.	[illegible]	.1					.
≥					.1	.1	10.3	1[illegible]	.[illegible]				[illegible]
≥				.1	[illegible]	27.2	54.[illegible]	54.1	19.4	.7	.[illegible]		1.[illegible]
≥ [illegible]			.	[illegible]	[illegible]	[illegible]	93.4	88.7	53.4	[illegible]	.7	.1	[illegible]
≥ [illegible]	[illegible]	1.[illegible]	4.2	21.[illegible]	55.[illegible]	[illegible]9.9	97.6	96.3	[illegible]	[illegible]7.3	[illegible]	1.[illegible]	4.[illegible]
≥ [illegible]	.1	4.[illegible]	13.[illegible]	41.6	[illegible]	[illegible]	100.0	100.0	95.2	[illegible]	16.[illegible]	[illegible].1	[illegible]
≥ [illegible]	[illegible]	1[illegible]	[illegible]7.[illegible]	[illegible]	92.[illegible]	[illegible]9.[illegible]			9[illegible]	[illegible]	22.[illegible]	17.4	[illegible]
≥ [illegible]	[illegible]	22.3	[illegible]3.[illegible]	[illegible]1.7	99.[illegible]	1[illegible]			100.0	[illegible].1	53.[illegible]	[illegible]	[illegible]
≥ [illegible]	[illegible]	[illegible].4	65.[illegible]	[illegible]5.1	[illegible]					[illegible].1	72.1	4[illegible]	7.[illegible]
≥ 4[illegible]	[illegible].5	[illegible]4.1	62.7	99.3	1[illegible]					[illegible]9.4	[illegible]	[illegible].1	[illegible]
≥ [illegible]	[illegible]5.7	73.2	93.6	[illegible]9.9						100.0	[illegible]	79.[illegible]	[illegible]
≥ [illegible]	[illegible]1.[illegible]	[illegible].9	93.[illegible]	1[illegible]							[illegible]9.4	[illegible]3.7	[illegible]
≥ [illegible]	[illegible].1	[illegible]5.5	99.5								100.[illegible]	[illegible].1	[illegible]
≥ [illegible]	[illegible]	[illegible]9.5	[illegible]9.[illegible]									99.[illegible]	[illegible]
≥ [illegible]	[illegible]	1[illegible]	1[illegible]									1[illegible]	1[illegible]
≥ [illegible]	[illegible]												1[illegible]
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MEAN	[illegible]	4[illegible].4	[illegible].4	5[illegible].[illegible]	6[illegible].[illegible]	7[illegible]	[illegible]	7[illegible].5	[illegible]4.6	64.1	[illegible]5.[illegible]	4[illegible].[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible].314	7.[illegible]14	6.42[illegible]	5.166	3.6[illegible]	3.987	[illegible].547	7.[illegible]3[illegible]	[illegible].95[illegible]	9.881	14.[illegible]1
TOTAL OBS.	[illegible]	771	857	[illegible]	[illegible]	824	916	859	8[illegible]	[illegible]	3[illegible]	846	9079

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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
1	7.	.6	5.7	13.	7	.	19	.	.	1	-17.1	1
2	4.1	.7	3.5	11.	3	23.	19	34.	1.		-16.7	1
3	3.	5.4	3.3	12.1	3	21.	1966	3.	.	1	-16.	1
4	4.	7.2	4.7	12.	7	24.4	19	1.	1.7	1	-16.	1
5	1.	5.4	1.1	10.	7	23.	1971	3.	.	1	-17.	1
6	.	.4	4.	12.	4	27.	19	3.	.	1	-16.	1
7	4.	7.7	5.	13.	7	2	19	3.	.	2	-16.	19
8	3.	5.	1.	13.	7	2.	19	3.	.	1	-16.	19
9	1.	5.	2.	11.1	7	5.	19	1.	-.	11	-11.	1
10	1.	1	2.	11.1		25.	19	.	-.	12	-12.	1
11	.	.	1.	13.	8	23.	19	1.	-.		-13.	1
12	4.	4.	2.	9.	7	22.	19	2.	.	14	-10.	1
13	5.	5.	4.	13.	7	22.	1972	3.	.	11	-11.	19
14	5.	6.	2.	11.	7	21.	1972	34.	1.		-6.	19
15	.	5.	2.	11.	7	2	19	34.	1.	1	-16.	19
16	.	4.	1.	13.	7	23.	19	3	-.		-16.	1
17	.	.	2.	13.	7	23.	19	3.	-1.		-18.	1
18	.	.	2.	11.	6	2	19	31.	-.	1	-16.	1
19	.	.	1.	13.	7	22.	19	32.	.	14	-1 .	1
20	.	1.	3.	12.	7	21.	1	2.	.	1	-16.	1
21	3.	6.	2.	11.	7	2	1	3.	.	1	-16.	1
22	4.	7.	5.	12.	7	2	19	34.	1.	11	-11.	19
23	.	7.	1.	13.	7	2	1	35.	2.	1	-16.	1
24	.	7.	1.	13.	7	2	1974	35.	1.	1	-16.	19
25	.	7.	.	13.	7	24.	1	36.	2.	1	-16.	1
26	.	6.	.	14.	7	24.	1	36.	2.		-16.	1
27	.	.	2.	13.	7	2	19	37.	2.	1	-16.	19
28	4.	6.	4.	12.	7	2	19	38.	.	1	-16.	1
29	4.	7.	4.	13.		2	1	34.	1.	1	-16.	19
30	4.	6.	4.	13.	7	2	19	34.	1.	1	-16.	19
31	.	.	2.	11.	7	.	19	32.	.	1	-.	1
Monthly	.	.	3.	12.	1	.	19	3.	.		-1 .	1

*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

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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 NO. 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

4 NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS

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
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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

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

DIRNAVOCEANMET—SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: _____ STATION NAME: _____ YEARS: _____ MONTH: _____

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

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

DIRNAVOCEANMET–SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

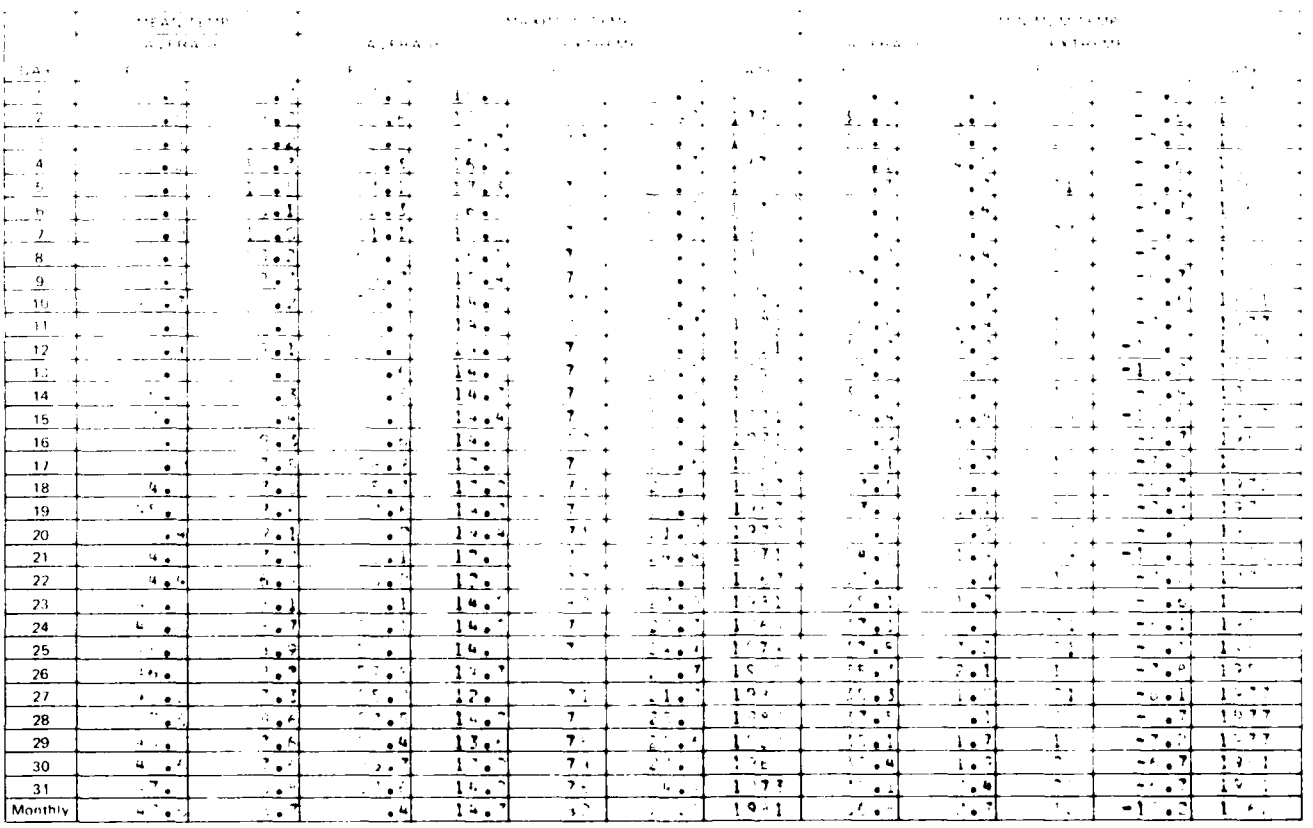
DAY	MEAN TEMP AVERAGE F	MEAN TEMP AVERAGE C	MAXIMUM TEMP AVERAGE F	MAXIMUM TEMP AVERAGE C	MAXIMUM TEMP EXTREME F	MAXIMUM TEMP EXTREME C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE F	MINIMUM TEMP AVERAGE C	MINIMUM TEMP EXTREME F	MINIMUM TEMP EXTREME C	MINIMUM TEMP EXTREME DATE
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*ALSO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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES



*ALSO ON EARLIER YEARS

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

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

[illegible] TEMPERATURE
(FROM DAILY OBSERVATIONS

[illegible] — STATION; [illegible] — STATION NAME; 55-[illegible] — YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
5[illegible]			[illegible]								[illegible]		
[illegible]			[illegible]7								[illegible]		
[illegible]	1[illegible]			[illegible]				[illegible]	[illegible]	[illegible]1	[illegible]		
[illegible]	1[illegible]		[illegible]	3[illegible]	[illegible]		1	[illegible]		3[illegible]			
[illegible]							[illegible]						
		[illegible]	1[illegible]		[illegible]	[illegible]		[illegible]		3[illegible]	[illegible]	1[illegible]	
1	[illegible]		[illegible]1	34	42	[illegible]		[illegible]	[illegible]4	[illegible]	[illegible]		
[illegible]		[illegible]	3[illegible]	3	46	5[illegible]	[illegible]7		[illegible]	[illegible]		[illegible]	
[illegible]		1	[illegible]		[illegible]2		[illegible]		[illegible]		[illegible]	1[illegible]	
[illegible]	18	21	25	30	49	[illegible]	[illegible]	[illegible]	[illegible]2	34	[illegible]	[illegible]	[illegible]
5	1[illegible]	1[illegible]	26	3[illegible]	[illegible]	[illegible]4	59	[illegible]	[illegible]5	[illegible]	[illegible]	1[illegible]	1[illegible]
6	1[illegible]	1	27	3[illegible]	[illegible]4	4[illegible]	[illegible]7	41	[illegible]1	3[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1[illegible]	22	37	44	53	[illegible]	[illegible]	4[illegible]	[illegible]7	[illegible]	[illegible]4	[illegible]
[illegible]	[illegible]	1[illegible]	[illegible]4	[illegible]	[illegible]4	[illegible]7		[illegible]	[illegible]	[illegible]2	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]4	[illegible]	6[illegible]	[illegible]1	[illegible]4	3[illegible]	[illegible]	[illegible]1	[illegible]
[illegible]	[illegible]1	[illegible]1	[illegible]	3[illegible]	43	[illegible]	[illegible]	[illegible]	45	3[illegible]	[illegible]	[illegible]	[illegible]1
[illegible]	[illegible]	[illegible]	2[illegible]	[illegible]	43	[illegible]	[illegible]4	[illegible]	[illegible]6	[illegible]	[illegible]1	[illegible]	
[illegible]	1[illegible]	[illegible]	26	2[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]1	[illegible]7	3[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1[illegible]	31	32	4[illegible]	[illegible]	[illegible]5	[illegible]	[illegible]1	4[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	[illegible]	1[illegible]	29	36	49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	33	4[illegible]	[illegible]	[illegible]	[illegible]	54	37	[illegible]	[illegible]	[illegible]
[illegible]	1[illegible]	[illegible]	32	[illegible]	[illegible]	[illegible]	[illegible]6	[illegible]	54	33	[illegible]	1[illegible]	[illegible]
7	[illegible]	1[illegible]	31	3[illegible]	4[illegible]	[illegible]	[illegible]4	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	
7[illegible]	1[illegible]	[illegible]	[illegible]	41	44	5[illegible]		[illegible]	[illegible]4	[illegible]	[illegible]	[illegible]	
[illegible]	1[illegible]	1	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	2[illegible]	[illegible]
	2[illegible]	1[illegible]	12	3[illegible]	4[illegible]	[illegible]	56	[illegible]3	61	3[illegible]	[illegible]	1[illegible]	1[illegible]
[illegible]	[illegible]1	21	[illegible]4	[illegible]	[illegible]7	[illegible]	[illegible]	[illegible]	[illegible]	3[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	[illegible]	2[illegible]	31	3[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	49	36	[illegible]2	25	[illegible]
MEAN	[illegible]	19.[illegible]	[illegible]	[illegible]	44.3	55.2	[illegible]2.5	61.7	[illegible]	3[illegible].3	[illegible]	[illegible]0.2	1[illegible]
S D	[illegible].44	4.117	[illegible].375	[illegible].43[illegible]	4.[illegible]41	4.2[illegible]	[illegible].219	3.4[illegible]	5.1[illegible]	5.[illegible]1[illegible]	[illegible].42[illegible]	3.[illegible]1[illegible]	[illegible].70[illegible]
TOTAL OBS	[illegible]	[illegible]	[illegible]	69[illegible]	744	66[illegible]	[illegible]51	713	6[illegible]	744	[illegible]	[illegible]	[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible] TEMPERATURE [illegible]
FROM DAILY OBSERVATIONS

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

[illegible] DEGREES FAHRENHEIT
/FAILED IN LESS THAN FULL MONTHS/

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]
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MEAN													
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TOTAL OBS													

SMOS

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PSYCHROMETRIC SUMMARY

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

Temp (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]								•													
[illegible]							•	•	•1									4	4		
/ 77						•	•[illegible]	•										[illegible]	[illegible]		
[illegible]					•	•1	•1	•1										7	7		
[illegible]					•1	•	•1	•										7	7		
/ 71			•	•	•1	•1	•1	•			•							[illegible]	[illegible]		
[illegible]			•	•	•2	•	•1	•										26	26		
/ 67		•	•	•	•	•	•1		•	•	•1							56	56	[illegible]	
/ 65		•	•	•	•	•	•1		•									[illegible]	51	[illegible]	
/ 63	•	•	1•	•	•	•	•1		•	•								[illegible]	76	[illegible]	[illegible]
/ 61	•	•	•	•	•1	•	•	•	•									73	73	[illegible]	[illegible]
/ 59	•	1•	•4	•	•	•	•	•1	•1									[illegible]	66	63	[illegible]
/ 57	•1	•9	•	•	•	•	•	•	•1									77	77	[illegible]	[illegible]
/ 55	•	•2	•	•	•2	•	•	•1	•1									[illegible]	[illegible]	51	[illegible]
/ 53	•1	•	•	•	•	•	•	•	•									[illegible]	[illegible]	[illegible]	[illegible]
/ 51	•	1•	•	•4	•	•	•7	•										[illegible]	[illegible]	[illegible]	[illegible]
/ 49	•	1•1	1•	•	1•	•	•	•										[illegible]	[illegible]	[illegible]	[illegible]
/ 47	•1	1•2	1•	•2	•	•	•2	•										[illegible]	[illegible]	[illegible]	[illegible]
/ 45		•2	1•	•	•	•	•2											[illegible]	[illegible]	[illegible]	57
/ 43	•1	1•[illegible]	1•	1•4	•	•												146	146	[illegible]	[illegible]
/ 41	•	1•2	[illegible]•	1•4	•	•												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	•	1•	1•	•	•	•												[illegible]	[illegible]	[illegible]	[illegible]
/ 37	•	1•3	1•	•4	•	•												117	117	[illegible]	[illegible]
[illegible]	•	[illegible]•	1•7	1•6	•													[illegible]	[illegible]	[illegible]	116
[illegible]	•1	1•2	1•7	1•7	•	•												[illegible]	[illegible]	153	[illegible]
/ 31	•7	1•[illegible]	1•	1•4	•7													171	171	[illegible]	[illegible]
[illegible]	•	1•4	1•5	•6	•1													[illegible]	[illegible]	142	[illegible]
/ 27	•	1•3	•	•	•2													74	74	[illegible]	[illegible]
[illegible]	•	•7	•7	•7	•													[illegible]	[illegible]	[illegible]	[illegible]
/ 23	•1	•8	•	•														46	46	[illegible]	[illegible]
/ 21	•	•	•	•1														46	46	[illegible]	[illegible]
[illegible]	•	•	•	•1														27	27	56	[illegible]
1 / 17	•	•7	•1	•														13	13	[illegible]	[illegible]
[illegible] / 15	•1	•2	•															8	8	16	[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												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

Temp 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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[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]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]				[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element X	Σx	Σx²	x̄	σx	No. Obs	Mean No. of Hours with Temperature: ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

Temp. 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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.2	[illegible]	[illegible]	[illegible]	1.7	.7	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]		[illegible]2.1
																		2251			2251	

Element X	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	144[illegible]	[illegible]	1[illegible].87	2251							
Dry Bulb	[illegible]	[illegible]	[illegible]	17.[illegible]	2251		121.3	[illegible].1	[illegible]	[illegible].4		672.[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	21.11	2251		132.[illegible]	[illegible].2				672.[illegible]
Dew Point	[illegible]	74[illegible]	23.2	14.[illegible]	2251		344.[illegible]	[illegible]				672.[illegible]

Mean No. of Hours with Temperature

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

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	Wet Bulb	Dew Point
[illegible]									[illegible]	[illegible]	.1							[illegible]	[illegible]		
[illegible]								[illegible]	.1	[illegible]	.1	[illegible]						[illegible]	[illegible]		
[illegible]							.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						17	17		
[illegible]						[illegible]	.2	.2	.2	.2								22	22		
[illegible]						[illegible]	[illegible]	.1	[illegible]	.2	.1							[illegible]	[illegible]		
[illegible]					[illegible]	[illegible]	.3	[illegible]	.1	.2	[illegible]	.2						43	43		
[illegible]				[illegible]	.1	[illegible]	[illegible]	[illegible]	.1	[illegible]		[illegible]						76	76		
[illegible]			[illegible]	.4	[illegible]	.4	[illegible]	[illegible]	[illegible]	.2	.2	[illegible]						[illegible]	65	[illegible]	
[illegible]		.1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	.1	.1	.1							[illegible]	[illegible]	[illegible]	
[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.6	[illegible]	[illegible]	.3	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3	[illegible]	.3	.2								141	141	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]	.4	[illegible]	[illegible]	.1								147	147	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]	[illegible]	[illegible]	.4	[illegible]								[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[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	1.1	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]	.1									[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	[illegible]										[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	.1										[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.2											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1											[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]	.1	[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]													[illegible]	15	43	[illegible]
[illegible]		.1	.1															5	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	.														11	11	[illegible]	[illegible]
[illegible]		[illegible]																1	1	11	[illegible]
[illegible]		[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]															[illegible]	[illegible]	[illegible]	[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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

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

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

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	TOTAL W B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		.1																[illegible]		[illegible]		[illegible]
[illegible]		.1																[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]	21.4	22.[illegible]	15.7	1[illegible]	7.7	6.[illegible]	[illegible]	[illegible].1	[illegible].2	.7	.4								24[illegible]		24[illegible]
																		24[illegible]			24[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11[illegible]14[illegible]14	16[illegible]	66.1	2[illegible].[illegible]31	24[illegible]							
Dry Bulb	[illegible]12[illegible]	13[illegible]423	[illegible]4.6	11.[illegible]53	24[illegible]			25.[illegible]	11[illegible].4	45.[illegible]	1[illegible]	744.[illegible]
Wet Bulb	[illegible]	12[illegible]	[illegible]	1[illegible].[illegible]31	243[illegible]			46.9	16.6			744.[illegible]
Dew Point	[illegible]815[illegible]	1[illegible]	[illegible]	1[illegible].14[illegible]	24[illegible]		.6	1[illegible]7.[illegible]	.9			744.[illegible]

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PSYCHROMETRIC SUMMARY

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

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

Temp 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]														.[illegible]			.	[illegible]	[illegible]		
[illegible]										.1	.1		.1	.1				[illegible]	[illegible]		
[illegible]							.			.[illegible]	.[illegible]	.[illegible]	.1	.[illegible]				[illegible]	[illegible]		
[illegible]									.[illegible]	.2	.[illegible]	.[illegible]						1[illegible]	1[illegible]		
[illegible]						.	.2	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.	.[illegible]	.				[illegible]	2[illegible]		
[illegible]						.[illegible]	.2	.[illegible]	.[illegible]	.2	.[illegible]	.	.[illegible]					[illegible]	3[illegible]		
[illegible]					.	.[illegible]	.[illegible]	.4	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.1				[illegible]	[illegible]		
[illegible]			.[illegible]	.1	.2	.[illegible]	.[illegible]	.1	.3	.2	.[illegible]	.1		.[illegible]				[illegible]	[illegible]		
[illegible]			.[illegible]	.1	.7	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.2	.2	.2						[illegible]7	[illegible]7	[illegible]	
[illegible]			.[illegible]	.4	.7	.[illegible]	.[illegible]	.	.4	.[illegible]	.2	.1						1[illegible]2	1[illegible]	[illegible]	
[illegible]		.1	.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.	.[illegible]	.[illegible]	.1	.1						1[illegible]	1[illegible]	[illegible]	
[illegible]		.[illegible]	1.[illegible]	.	1.[illegible]	.[illegible]	.[illegible]	.	.[illegible]	.[illegible]	.[illegible]	.1						1[illegible]7	1[illegible]7	[illegible]	
[illegible]	.	.[illegible]	[illegible]	1.[illegible]	.[illegible]	.	.4	.[illegible]	.[illegible]	.4	.1							[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	.	1.[illegible]	.[illegible]	1.7	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.4	.[illegible]	.							1[illegible]	1[illegible]	1[illegible]1	4[illegible]
[illegible]	.[illegible]	1.[illegible]	[illegible]	1.[illegible]	1.1	.[illegible]	.[illegible]	.[illegible]	.4	.1	.1							[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	1.2	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.6	.[illegible]	.4	.[illegible]								[illegible]	[illegible]	[illegible]4	1[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.	.2	.[illegible]								172	1[illegible]	1[illegible]	1[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.7	1.[illegible]	.4	.[illegible]	.[illegible]									1[illegible]4	1[illegible]4	2[illegible]	1[illegible]
[illegible]	.1	.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.	.[illegible]	.[illegible]	.1									1[illegible]	[illegible]4	1[illegible]	14[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.1										1[illegible]	1[illegible]	1[illegible]	1[illegible]
[illegible]	.1	1.1	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1	.										[illegible]1	[illegible]1	1[illegible]	1[illegible]
[illegible]		[illegible].1	1.[illegible]	.[illegible]	.4	.[illegible]	.2	.										[illegible]	[illegible]	1[illegible]1	1[illegible]
[illegible]	.	.[illegible]	1.1	.[illegible]	.[illegible]	.[illegible]	.1	.										[illegible]	[illegible]	14[illegible]	1[illegible]
[illegible]		.7	1.[illegible]	.[illegible]	.[illegible]	.[illegible]												[illegible]	[illegible]	117	1[illegible]
[illegible]	.	.	.[illegible]	.2	.1	.1												[illegible]	[illegible]	1[illegible]	91
[illegible]	.2	.[illegible]	.[illegible]	.2	.1	.1												[illegible]4	74	[illegible]	1[illegible]7
[illegible]	.1	.7	.1	.2	.													1[illegible]	1[illegible]	[illegible]	11[illegible]
[illegible]		.[illegible]	.1	.1														1[illegible]	10	[illegible]	11
[illegible]		.[illegible]	.1															6	[illegible]	[illegible]1	[illegible]
[illegible]	.1	.[illegible]																4	4	17	7[illegible]
[illegible]		.																1	1		
[illegible]																				1	[illegible]
[illegible]																					4[illegible]
[illegible]																					[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature						
≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element X	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		.3	2[illegible].7	119.1	33.9		720.0
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1.[illegible]	[illegible]	.[illegible]			720.0
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		71.1	11.4	.[illegible]			720.0

Mean No. of Hours with Temperature

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

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

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

Temp 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]										[illegible]				[illegible]				[illegible]	[illegible]		
[illegible]										[illegible]	[illegible]	.1	.3					[illegible]	[illegible]		
[illegible] 91							[illegible]	.1	.2	.1	[illegible]	.1	.1	[illegible]				15	15		
[illegible] 89							.2	.1	.2	.2	[illegible]	.1	.1					22	22		
[illegible] 87							[illegible]	.1	.1	.2			[illegible]	[illegible]				17	17		
[illegible] 85					.2	.2	.6	.4	.4	.1	.2	.1	.1					56	56		
[illegible] 83					.7	.5	[illegible]	.4	.5	.4	.1	.1						78	78		
[illegible] 81				.1	.4	[illegible]	1.2	[illegible]	.7	.6	.1	[illegible]						89	89		
[illegible] 79		[illegible]	.2	.4	[illegible]	1.1	.5	[illegible]	.4	.1	.2	.1	.1					[illegible]	120	[illegible]	
[illegible] 77		.1	.4	.5	1.4	[illegible]	.8	[illegible]	.3	.7	.2	.1						140	140	14	
[illegible] 75		.2	[illegible]	1.3	1.7	1.2	[illegible]	.4	.4	.2	[illegible]	.1						174	174	37	[illegible]
[illegible] 73		.7	2.1	1.9	.3	[illegible]	.5	[illegible]	.4	[illegible]	.1							221	221	[illegible]	1
[illegible] 71	.1	1.5	[illegible]	1.4	[illegible]	1.1	.2	.4	.7	.3	[illegible]							272	272	169	[illegible]
[illegible] 69	[illegible]	1.4	[illegible]	1.8	.3	.4	.9	[illegible]	.2	.1	[illegible]							244	244	274	144
[illegible] 67	.6	1.6	[illegible]	1.5	.5	.7	.4	[illegible]	.2	[illegible]								[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 65	.5	1.3	2.4	1.1	.7	.2	.2	[illegible]	[illegible]	.1								[illegible]	162	[illegible]	[illegible]
[illegible] 63	.7	1.7	1.1	1.3	.6	[illegible]	.2	.1	.1	[illegible]								142	142	[illegible]	[illegible]
[illegible] 61	.7	[illegible]	[illegible]	.6	.4	.1	.2	[illegible]	.3									[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 59	[illegible]	1.3	[illegible]	.5	.5	[illegible]	[illegible]	.1	[illegible]									[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 57	.1	1.4	[illegible]	.5	.1	.2	.7	[illegible]										[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 55	[illegible]	1.4	.7	.6	.7	[illegible]												[illegible]	[illegible]	[illegible]	177
[illegible] 53	.2	.5	.6	.2	.1													43	43	[illegible]	[illegible]
[illegible] 51		1.1	.7	.4		[illegible]												56	56	[illegible]	127
[illegible] 49	.2	[illegible]	.1															26	26	67	[illegible]
[illegible] 47		[illegible]	[illegible]	.1	[illegible]													14	14	47	94
[illegible] 45		.1	.3															[illegible]	10	[illegible]	99
[illegible] 43	[illegible]	[illegible]																[illegible]	5	[illegible]	[illegible]
[illegible] 41	[illegible]	[illegible]	.1	[illegible]														6	6	11	[illegible]
[illegible] 39		.1																2	[illegible]	4	[illegible]
[illegible] 37																				[illegible]	16
[illegible] 35																					[illegible]
[illegible] 33																					11
[illegible] 31																					[illegible]
[illegible] 29																					[illegible]

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

Mean No. of Hours with Temperature

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS 72-82 MONTH _____

HOURS _____

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 DB WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]	.7	17.9	24.4	14.5	1.3	.5	7.4	.1	.1	2.3	1.7	.0	.4	.1				2472.	2479	2473	2473

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	17332.62	17174	71.3	13.18	2473							
Dry Bulb	123423.	17245	69.9	9.99	2479			492.5	275.5	102.6	2.1	744.7
Wet Bulb	126798.	15260	62.1	7.245	2472			272.8	49.6	.3		744.7
Dew Point	120035.	14263	57.6	8.713	2472		5.0	138.1	14.7			744.7

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS _____ 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 DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											.1	.1						2		
[illegible]									.1	.2	.1							6		
[illegible]								.1	.2	.2	.1	.1	.1					[illegible]		
[illegible]							.1	.1	.4	.1		.1						1	10		
[illegible]						.1	.2	.4	.3	.3	.2	.1						10	10		
94					.2	.2	.1	.2	.5	.2	.2	.1						17	17		
89					.1	.2	1.2	.2	.7	.1	.1		.1					14	14		
84				.2	.1	1.2	1.5	1.2	.4	.3	.1	.1						123	127		
79				.1	.4	1.1	1.2	1.4	.2	.4	.2	.2						150	150		
74			.1	.1	1.1	1.2	1.1	1.2	.2	.3	.1	.1						172	177	13	
69		.1	.2	1.2	1.1	1.1	1.2	.2	.4	.4								184	186	26	
64		.2	.3	2.4	2.1	.2	.6	.2	.4	.1								215	215	54	
59		.2	3.2	2.2	1.2	.2	.2	.2	.2	.2								240	240	104	6
54		.2	5.2	2.4	1.1	.2	.4	.2	.1									233	233	201	14
49		.1	4.2	1.4	.2	.2	.2	.2	.2	.2								225	225	314	27
44	.1	1.2	4.2	1.4	.1	.2	.1	.1		.2								17	17	340	71
39	.2	1.6	3.1	.2	.2	.1	.1											114	114	315	76
34	.1	1.1	1.2	.2	.2		.1											95	95	211	34
29	.1	.1	1.2	.2	.2													55	55	176	259
24	.2	.2	.2	.2	.1	.1												42	42	134	137
19		.2	.2	.2														25	25	76	112
14		.1	.2	.1	.2													10	10	6	102
9		.1	.2	.1																23	57
4		.1	.1																	11	61
-1																					27
-6																					27
-11																					1
-16																					
-21																					
-26																					
	.1	1.2	2.2	17.0	10.2	.2	.2	.2	.2	.2	.2	.1		.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]	170300	71.2	[illegible]	2400							
Dry Bulb	14 [illegible]	182623	76.1	7.592	2400			648.9	484.2	228.2	14.7	720.0
Wet Bulb	11459194	165678	69.0	[illegible]	2400			511.6	197.4	12.0		720.0
Dew Point	12313791	156565	65.2	6.463	2400			354.3	104.1	.6		720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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

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

Temp (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]													.[illegible]					1	[illegible]		
[illegible]									.2	.2	.1							[illegible]	[illegible]		
[illegible]									.1	.2								[illegible]	[illegible]		
[illegible]							.2	.2	.3	.2	.2							[illegible]	28		
[illegible]						.	.3	.4	.7	.1	.1							[illegible]	[illegible]		
[illegible]						.	.8	1.	.8	.1	.2							72	72		
[illegible]					.1	.7	1.	1.	.4	.7	.7	.1	.7					1[illegible]	1[illegible]		
[illegible]					.2	1.	2.4	1.	.4	.2	.2	.1						14[illegible]	148		
[illegible]			.	.7	1.[illegible]	.7	1.9	.	.4	.1	.7	.						1[illegible]	1[illegible]		
[illegible]			.2	1.5	1.2	1.2	.2	.	.2	.1	.1							174	174	[illegible]	
[illegible]		.	1.1	2.[illegible]	2.1	1.[illegible]	.6	.[illegible]	.1	.2	.7							[illegible]	205	[illegible]	
[illegible]		.1	3.1	3.[illegible]	1.7	.2	.2	.1	.1	.[illegible]								[illegible]	265	[illegible]	1[illegible]
[illegible]	.	.7	.7	2.2	.7	.	.7	.7	.1	.1								[illegible]6	[illegible]6	261	[illegible]
[illegible]	.1	.[illegible]	.1	2.1	.6	.[illegible]	.2	.1										31[illegible]	[illegible]	423	17
[illegible]	.[illegible]	[illegible].3	4.7	1.[illegible]	.4	.[illegible]	.[illegible]	.[illegible]										247	[illegible]	[illegible]	[illegible]
[illegible]		.3	[illegible].1	.[illegible]	.[illegible]	.[illegible]		.										17[illegible]	17[illegible]	[illegible]	51[illegible]
[illegible]	.1	1.[illegible]	1.7	.[illegible]	.4	.												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.[illegible]	.	.7														[illegible]	57	[illegible]	[illegible]
[illegible]	.1	.2	.	.[illegible]														[illegible]	[illegible]	[illegible]	1[illegible]
[illegible]			.[illegible]	.2														1[illegible]	1[illegible]	67	11[illegible]
[illegible]		.1	.[illegible]	.																[illegible]	[illegible]
[illegible]			.															4	4	[illegible]	[illegible]
[illegible]		.																1	1	11	[illegible]
[illegible]																					31
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					.
[illegible]																					[illegible]
	.[illegible]1	[illegible].42	.[illegible]	16.9	1[illegible].2	10.[illegible]	9.[illegible]	6.[illegible]	3.3	1.7	.7	.2	.1						[illegible]		[illegible]
																		2432		[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	17[illegible]67726	181978	[illegible].4	14.[illegible]47	243[illegible]							
Dry Bulb	15[illegible]	1[illegible]53[illegible]	[illegible].[illegible]	5.[illegible]	24[illegible]			727.2	62[illegible].5	327.9	21.6	744.
Wet Bulb	17[illegible]75496	17[illegible]742	[illegible].5	4.[illegible]1	24[illegible]			674.1	41[illegible].1	23.4		744.
Dew Point	11[illegible]993	171929	[illegible].3	4.[illegible]8[illegible]	243[illegible]			5[illegible]1.1	227.[illegible]	[illegible].[illegible]		744.

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp 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]										[illegible]								1	1		
[illegible]										[illegible]	[illegible]							[illegible]	[illegible]		
[illegible]								[illegible]	[illegible]	.1								[illegible]	17		
[illegible]						[illegible]	.1	[illegible]	[illegible]	.1	[illegible]							[illegible]	36		
[illegible]					.1		.5	1.7	.4	.1								[illegible]	59		
8				.1	.2	[illegible]	1.3	[illegible]	.5	[illegible]								[illegible]7	[illegible]7		
[illegible]7			[illegible]	.1	[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.5	.1								144	144		
9			[illegible]	.3	1.7	2.1	1.5	[illegible]	.7	.1	.1							1[illegible]6	166		
[illegible]		[illegible]	[illegible]	1.[illegible]	2.4	1.4	.5	[illegible]	[illegible]									175	175	[illegible]	[illegible]
41		.4	1.2	2.[illegible]	1.[illegible]	[illegible]	.7	[illegible]	.1									[illegible]21	[illegible]21	[illegible]	7
[illegible]	[illegible]	[illegible]	1.[illegible]	3.[illegible]	1.[illegible]	[illegible]	.6	[illegible]	[illegible]									[illegible]67	[illegible]67	1[illegible]	[illegible]
[illegible]	.1	[illegible].1	[illegible]	[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]	.1									[illegible]	[illegible]01	[illegible]	6[illegible]
[illegible]	[illegible]	[illegible].1	[illegible].1	1.7	[illegible]	[illegible]	.1	[illegible]	[illegible]									3[illegible]	[illegible]	44[illegible]	[illegible]
[illegible]	[illegible]	.3	[illegible].1	1.4	.5	[illegible]	[illegible]											2[illegible]7	[illegible]	[illegible]	5[illegible]
[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	.5	[illegible]		[illegible]										1[illegible]	1[illegible]1	3[illegible]	47[illegible]
[illegible]	.1	1.[illegible]	[illegible].1	[illegible]	[illegible]	.1	[illegible]											12[illegible]	124	2[illegible]	41[illegible]
6[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1	[illegible]												[illegible]	[illegible]	171	[illegible]7
5[illegible]	[illegible]	[illegible]	[illegible]	.1														[illegible]1	[illegible]1	[illegible]	1[illegible]1
5	[illegible]	[illegible]	[illegible]	.1	[illegible]													17	17	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													[illegible]	7	[illegible]	[illegible]
[illegible]		[illegible]	.1															[illegible]	[illegible]	[illegible]	71
[illegible]		.1	.1															4	4	[illegible]	[illegible]
[illegible]																				[illegible]	1[illegible]
[illegible]																				[illegible]	
[illegible]																					[illegible]
4[illegible]																					[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	16.[illegible]	11.	[illegible].1	7.1	[illegible]	[illegible].1	.7	[illegible]								[illegible]		[illegible]477
																		2477		2477	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	[illegible]	76.[illegible]	[illegible]	2477							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			725.4	615.[illegible]	[illegible]	1[illegible].3	744.[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	2477			677.9	431.6	[illegible]		744.[illegible]
Dew Point	[illegible]	173[illegible]96	69.9	4.794	2477			592.3	320.8	7.8		744.[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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

Temp. 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]										.1									[illegible]		
[illegible]									.?	.2								12	12		
[illegible]						.	.1	.?	.2	.?	.?							14	14		
[illegible]					.1	.2	.5	.1	.2	.2								36	36		
87					.?	.	1.?	.	.3	.1								75	75		
[illegible]				.2	.?	1.?	.?	.?	.5	.2	.?	.?						114	114		
[illegible]			.?	.?	1.?	1.4	1.	.?	.5	.?	.1							17?	179		
81			.?	1.?	1.?	1.?	.?	.?	.3	.1	.							14?	149	5	
[illegible]		.?	1.?	2.3	1.?	.?	.3	.?	.1	.1								15?	150	2?	
77		.?	3.1	2.?	1.?	.?	.?	.?	.2	.1								227	227	121	2?
[illegible]	.?	.?	4.?	2.6	.?	.	.?	.1	.?	.?	.							2?2	2?2	2??	7
[illegible]	.	.1	4.?	1.5	.?	.?	.2	.?	.2	.1								266	266	3??	2??
[illegible]	.4	?.?	?.?	1.1	.?	.1	.4	.1										2??	?35	3??	?1?
[illegible]	.4	?.	3.3	.?	.?	.?	.1											199	199	344	?4
67	.7	1.?	?.?	.?	.?	.?	.?	.1										151	151	?4?	?3?
[illegible]	.1	1.?	2.?	.4	.4	.1	.?											11?	117	1?1	?1?
[illegible]	.?	.?	1.7	.?	.1	.	.?											?3	?3	144	1?8
[illegible]	.1	.7	1.?	.?	.2		.?											?2	?3	11?	14?
[illegible]		.?	.4	.1	.1													?6	?6	1?1	1?
57		.3	.?	.?														?2	??	6?	1?7
[illegible]		.?	.	.?														??	??	3	5?
[illegible]			.?	.1														?	?	?1	5?
[illegible]		.?	.?	.														6	6	?	4?
[illegible]			.1															?	?	12	3?
47			.?															4	4	7	??
45			.1															1	1	1	21
43																				?	11
41																				1	?
3?																					
TOTAL	[illegible]	[illegible]7	31.1	16.1	?.?	?.2	6.?	?.?	2.8	1.?	.?	.?						2399 / 2399	2399	2399	2399

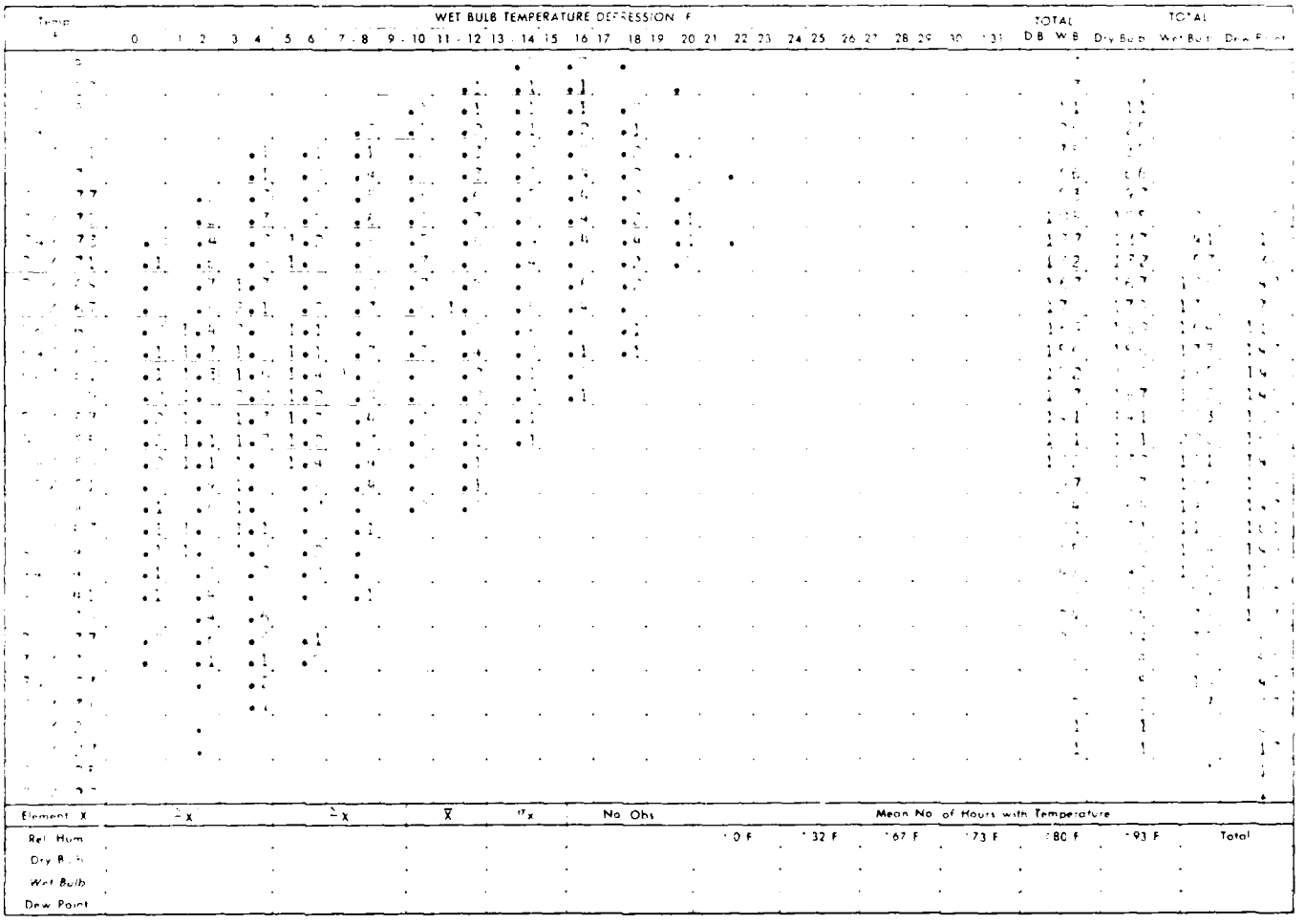
Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum	1444176?	182734	76.2	14.766	2399							
Dry Bulb	1?4?3276	17?438	74.?	?.?00	2399			612.6	436.1	173.9	3.6	720.?
Wet Bulb	11?21421	164?39	?8.7	?.?3?	2399			566.0	220.?	4.9		720.?
Dew Point	1?477171	157639	65.7	7.?34	2399			464.6	136.?	1.?		720.?

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4

PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH



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4 PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

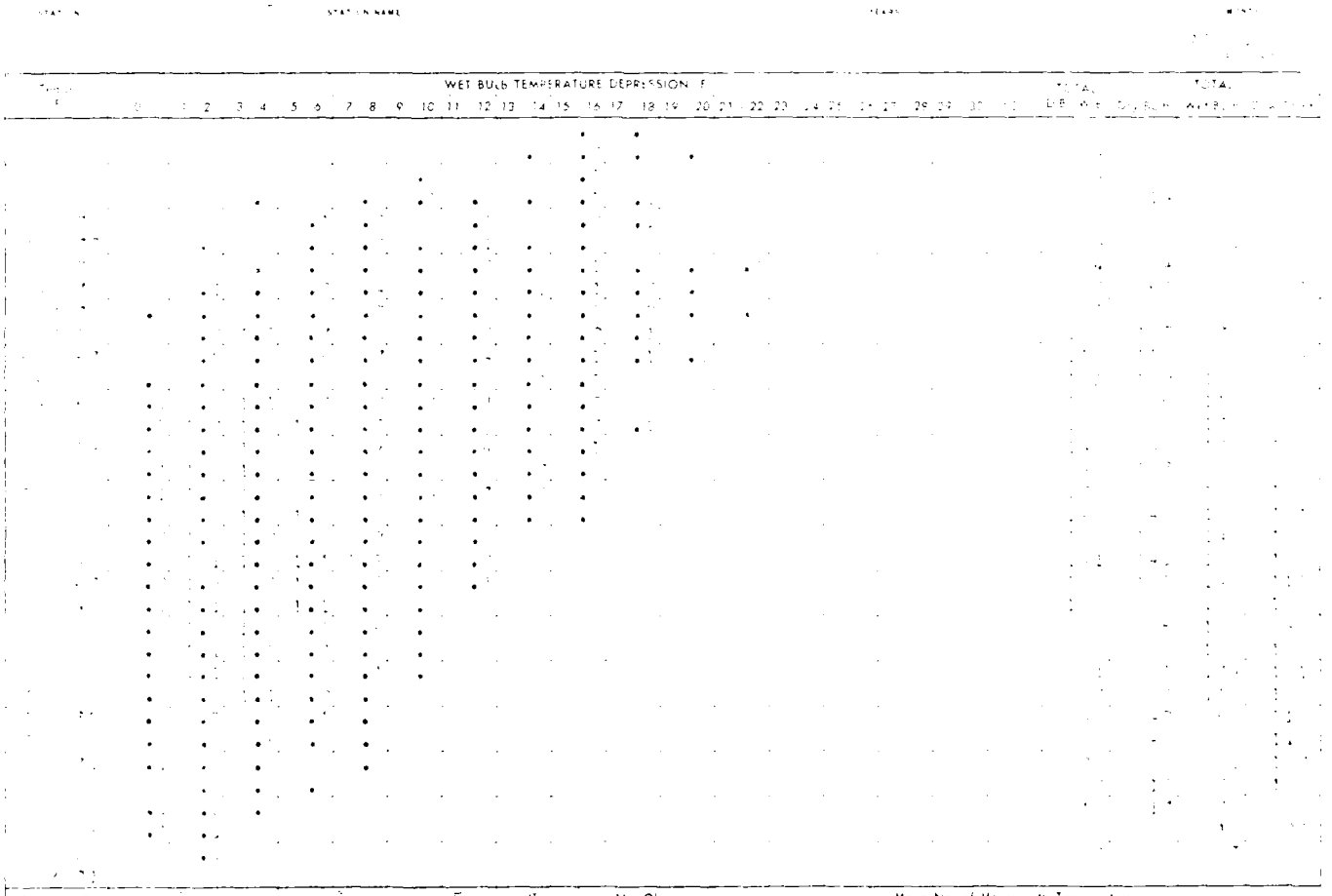
Temp °F	WET BULB TEMPERATURE DEPRESSION °F																													TOTAL DB	TOTAL WB
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		

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Element X	$\bar{X}$	Σx	$\bar{x}$	σ_x	N Obs	Mean No. of Hours at Temperature					
						0 F	32 F	67 F	73 F	80 F	93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

4

PSYCHROMETRIC SUMMARY



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4

PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

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

Element X	$\bar{X}$	$\tilde{X}$	$\bar{X}$	σ_X	No. Obs	Mean No. of Hours with Temperature						
						0 F	32 F	67 F	73 F	80 F	93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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4

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp. (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]						.[illegible]		.[illegible]										[illegible]	[illegible]		
[illegible]					.1	.[illegible]	.[illegible]	.[illegible]	.1	.[illegible]								[illegible]	[illegible]		
[illegible]				.1	.[illegible]	.[illegible]	.[illegible]	.[illegible]		.[illegible]								1[illegible]	1[illegible]		
[illegible]			.1	.[illegible]	.1		.1	.1										14	14		
[illegible]		.[illegible]	.1	.4	.[illegible]	.[illegible]	.1	.1	.[illegible]									[illegible]	[illegible]		
[illegible]		.1	.2	.7	.4	.1	.[illegible]		.1		.[illegible]							[illegible]	32	1[illegible]	
67		.[illegible]	.[illegible]	.[illegible]	.[illegible]	.4	.[illegible]	.1	.1	.1								[illegible]	[illegible]5	[illegible]	[illegible]
[illegible]		.2	.[illegible]	.3	.3	.[illegible]	.1	.1	.1									71	71	[illegible]	1[illegible]
[illegible]		.6	.9	.[illegible]	.1	.[illegible]	.[illegible]	.1	.7	.								77	77	[illegible]	[illegible]
61	.1	1.1	.[illegible]	.4	.[illegible]	.[illegible]	.7	.[illegible]	.1	.[illegible]								[illegible]	98	[illegible]	[illegible]
59	.2	1.2	1.1	.5	.4	.[illegible]	.[illegible]	.[illegible]	.7		.[illegible]							1[illegible]1	1[illegible]1	[illegible]	7[illegible]
57	.1	.[illegible]	1.7	.[illegible]	.2	.[illegible]	.[illegible]	.[illegible]	.[illegible]									1[illegible]2	1[illegible]2	[illegible]	[illegible]
[illegible]	.[illegible]	1.1	1.7	.7	.[illegible]	.7	.[illegible]	.7	.1									1[illegible]	1[illegible]4	[illegible]	[illegible]
[illegible]	.1	1.4	1.[illegible]	.[illegible]	.5	.4	.7	.7	.1									11[illegible]	116	[illegible]	[illegible]
[illegible]	.7	.7	1.[illegible]	.7	1.[illegible]	.[illegible]	.[illegible]	.1										144	144	11[illegible]	7[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	1.7	.[illegible]	.[illegible]	.4	.[illegible]										15[illegible]	15[illegible]	1[illegible]	[illegible]7
47	.7	[illegible].1	1.7	1.[illegible]	.7	.[illegible]	.3											16[illegible]	16[illegible]	1[illegible]	[illegible]
[illegible]	.1	1.[illegible]	1.[illegible]	1.4	.7	.7	.2											1[illegible]3	153	157	[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.7	.[illegible]	.[illegible]											1[illegible]2	132	1[illegible]	11[illegible]
[illegible]	.7	1.7	1.[illegible]	1.1	.[illegible]	.7	.[illegible]											1[illegible]1	131	1[illegible]	11[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	1.7	.5	.[illegible]												119	12[illegible]	1[illegible]	11[illegible]
[illegible]	.[illegible]	1.[illegible]	1.1	1.[illegible]	.[illegible]	.[illegible]												1[illegible]7	1[illegible]7	13[illegible]	[illegible]
[illegible]	.[illegible]	1.1	1.6	.[illegible]	.4													1[illegible]	1[illegible]6	132	1[illegible]7
[illegible]	.1	.[illegible]	1.7	.[illegible]	.2													89	89	11[illegible]	124
31	.1	1.[illegible]	1.[illegible]	.7	.1													[illegible]	97	17[illegible]	1[illegible]1
[illegible]	.1	1.2	.[illegible]	.[illegible]	.[illegible]													64	65	117	1[illegible]
[illegible]	.7	1.[illegible]	.[illegible]	.2														[illegible]5	56	[illegible]	11[illegible]
[illegible]	.1	.[illegible]	.[illegible]	.1														3[illegible]	38	[illegible]	13[illegible]
[illegible]	.[illegible]	.[illegible]	.7	.[illegible]														[illegible]	2[illegible]	[illegible]	11[illegible]
21	.2	.2	.[illegible]															15	17	27	[illegible]
[illegible]	.[illegible]	.[illegible]	.1															9	9	14	[illegible]4
[illegible]		.[illegible]																1	1	[illegible]	6[illegible]
[illegible]		.1																[illegible]	2	2	5[illegible]
[illegible]		.																1	1	2	44

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

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PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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 DB	TOTAL WB	Dry Bulb	Wet Bulb	Dew Point
	.7	.32	.518	.2	.9	.1	.3	.1	1.1	.2	.1									2462			

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.	123[illegible]225[illegible]	16[illegible]563	4[illegible].6	1[illegible].443	2461							
Dry Bulb	[illegible].[illegible]449[illegible]	11[illegible]77.7	4[illegible].7	12.727	2462		23.1	52.2	12.2	.6		748.2
Wet Bulb	4.7[illegible]84[illegible]	1[illegible]62	[illegible].[illegible]	11.[illegible]19	2462		157.2	11.8				748.2
Dew Point	[illegible].21[illegible]6[illegible]	9.563	[illegible]6.	14.95	2461	.1	297.5	[illegible].[illegible]				748.2

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PSYCHROMETRIC SUMMARY

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

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

Temp 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	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]													•					1	1		
[illegible]									.2	.2	•	•						[illegible]	[illegible]		
[illegible]									•	•	•							1[illegible]	1[illegible]		
[illegible]							•	•	.1	.1	•	•	•	•				[illegible]4	64		
[illegible]						•	•	.1	.1	•	•	•	•					[illegible]	9[illegible]		
[illegible]					•	•	.1	•	.2	.1	•	•	•	•			•	[illegible]	[illegible]		
[illegible]				•	•	.1	.3	•	.2	.1	•	•	•	•				329	[illegible]		
[illegible]			•	•	.1	.4	.6	•	.2	.1	•	•	•	•				4[illegible]5	4[illegible]5		
[illegible]			•	.1	•	•	•	•	•	.1	.1	•	•					677	[illegible]77		
[illegible]		•	.1	.3	•	•	.4	•	.2	.1	•	•	•	•				771	771	1[illegible]	[illegible]
[illegible]		•	•	•	•	•	.4	•	•	.1	•	•	•					[illegible]	[illegible]19	[illegible]	
[illegible]	•	.1	•	1.[illegible]	•	•	•	•	.2	.1	•	•	•	•				1162	1162	297	[illegible]
[illegible]	•	.4	1.[illegible]	1.[illegible]	•	.4	.4	•	•	.1	•	•		•				141[illegible]	1[illegible]1[illegible]	7[illegible]1	1[illegible]
[illegible]	•	•	1.[illegible]	•	•	•	•	•	.1	.1	.1	•						1632	1[illegible]32	134[illegible]	[illegible]
[illegible]	.1	1.[illegible]	1.[illegible]	•	•	•	•	•	.2	.1	•	•						16[illegible]9	1[illegible]69	195[illegible]	17[illegible]
[illegible]	.1	1.[illegible]	1.7	•	•	•	•	•	.1	.1	.1	•						15[illegible]5	1[illegible]77	16[illegible]4	1667
[illegible]	.1	•	1.[illegible]	•	•	•	•	.1	.1	.1	•	•						1457	145[illegible]	17[illegible]	1[illegible]2[illegible]
67	.1	•	1.[illegible]	•	•	•	•	•	.2	.1	•							13[illegible]	1[illegible]5	1632	165[illegible]
[illegible]	.1	•	1.4	•	•	•	•	•	.1	.1	•							1197	1197	14[illegible]	143[illegible]
[illegible]	.1	•	1.1	•	•	•	•	•	.1	•	•							11[illegible]2	1152	14[illegible]	134[illegible]
[illegible]	.1	•	1.[illegible]	•	•	•	•	•	.1	•								10[illegible]8	1[illegible]8	134[illegible]	13[illegible]
[illegible]	•	1.[illegible]	1.[illegible]	•	•	•	•	•	.1	•	•							1[illegible]79	1[illegible]9	12[illegible]6	1[illegible]6[illegible]
[illegible]7	.1	•	•	•	•	•	•	•	•	•								999	[illegible]99	12[illegible]	1241
[illegible]	.1	•	•	•	•	•	•	.1	.1	•								[illegible]	[illegible]	1101	113[illegible]
[illegible]	.1	•	•	•	•	•	•	•	•									[illegible]99	[illegible]89	101[illegible]	10[illegible]
51	.1	•	•	.4	.4	•	.2	.1										8[illegible]3	[illegible]93	10[illegible]	[illegible]9[illegible]
[illegible]	.1	.6	•	•	.4	•	.1	•										[illegible]52	[illegible]52	99[illegible]	961
47	.1	•	•	•	.3	•	.1	•										787	787	96[illegible]	944
[illegible]	•	•	•	•	•	.7	.1											790	79[illegible]	879	[illegible]7[illegible]
[illegible]	.1	•	•	•	•	.1	•	•										675	675	94[illegible]	75[illegible]
41	•	•	•	•	•	.1	•											686	686	9[illegible]	927
[illegible]	.1	•	•	.4	•	.1	•											566	567	84[illegible]	74[illegible]
[illegible]	.1	•	•	•	.2	•												513	[illegible]13	715	72[illegible]
[illegible]	.1	•	•	.3	.1	•												477	478	67[illegible]	76[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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

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

HOURS [illegible]

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 DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	.1	.3	.5	.7	.1	.												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.1	.1	.2	.1													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.4	.6	.2	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.1	.2	.1	.0													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	.1	.3	.2	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.2	.2	.1	.													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.2	.1	.														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	.1	.1	.0														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	.	.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.	.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.	.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.	.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.71	.127	.16.31	.2	.7	6.6	4.5	1.0	1.	.4	.3	.1	.0				.0	[illegible]	[illegible]	[illegible]	[illegible]
																		29196.	29196.		

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]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		417.1	1147.9	2836.7	1236.4	57.3	8760.0
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		466.1	1891.4	1340.1	61.3		760.0
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.6	1475.1	2161.9	867.2	12.9		760.0

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MEANS AND STANDARD DEVIATIONS

DAY-TIME TEMPERATURES (°F) FROM HOURLY OBSERVATIONS

STATION _____ STATION NAME _____ YEARS 73-8

HRS L.S.T.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible]	41.1	49.4	56.9	67.4	72.7	74.1	73.9	69.7	57.0	[illegible]	43.7	57.7
	S.D.	[illegible]	12.241	8.177	8.377	7.327	5.651	4.065	3.965	5.741	9.344	[illegible]	[illegible]	[illegible]
	TOTAL OBS	310	252	31	300	310	300	31	31	300	310	300	310	3651
	MEAN	[illegible]	39.6	47.9	54.5	61.5	69.1	72.7	72.6	68.7	55.4	49.2	42.5	[illegible]
	S.D.	[illegible]	12.377	10.632	8.892	7.874	5.619	4.324	4.227	6.116	9.639	11.321	12.140	[illegible]
	TOTAL OBS	310	252	31	300	310	300	312	310	300	310	300	310	3645
	MEAN	[illegible]	39.5	47.9	56.-	[illegible]	72.4	75.6	74.3	69.1	55.0	44.3	41.4	[illegible]
	S.D.	[illegible]	12.468	11.040	8.475	6.997	5.216	4.135	4.443	6.257	9.563	11.992	12.[illegible]	16.419
	TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	[illegible]	47.5	57.7	67.1	74.0	80.5	83.5	82.6	78.7	66.9	[illegible]	48.-	66.-
	S.D.	[illegible]	11.279	9.731	8.621	7.28[illegible]	6.201	5.261	4.964	6.232	9.243	[illegible]	[illegible]	16.241
	TOTAL OBS	310	252	31	300	310	300	310	310	300	310	300	310	[illegible]
	MEAN	[illegible]	53.9	63.2	71.9	77.1	83.5	86.5	85.9	82.2	72.3	[illegible]	58.-	[illegible]
	S.D.	[illegible]	12.438	11.273	9.734	7.778	6.670	5.923	5.696	6.134	8.250	[illegible]	[illegible]	15.372
	TOTAL OBS	310	252	31	300	310	300	310	310	300	310	300	310	3651
	MEAN	[illegible]	54.5	63.2	70.9	76.9	82.3	[illegible]	84.3	[illegible]	71.2	61.9	[illegible]	[illegible]
	S.D.	[illegible]	12.311	10.576	7.935	7.202	6.379	5.526	5.195	5.718	7.576	[illegible]	[illegible]	14.[illegible]
	TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	[illegible]	47.6	54.2	63.4	71.-	77.5	[illegible]	79.1	74.7	62.9	[illegible]	46.-	[illegible]
	S.D.	[illegible]	[illegible]	9.[illegible]	6.[illegible]	5.942	5.[illegible]	4.387	3.[illegible]	4.993	7.807	[illegible]	[illegible]	14.[illegible]
	TOTAL OBS	310	252	31	300	310	300	31[illegible]	31[illegible]	300	310	300	3[illegible]	[illegible]
	MEAN	[illegible]	43.6	51.3	59.-	[illegible]	72.9	76.1	75.7	71.5	59.1	[illegible]	45.-	59.7
	S.D.	[illegible]	11.615	9.609	7.892	[illegible]	4.742	3.96[illegible]	3.607	5.39[illegible]	8.796	[illegible]	1.316	14.[illegible]
	TOTAL OBS	310	221	310	300	310	300	310	310	299	310	300	308	3648
ALL HOURS	MEAN	[illegible]	45.3	54.6	62.5	[illegible]	76.1	79.2	79.6	74.3	62.5	[illegible]	47.7	62.6
	S.D.	[illegible]	13.316	11.953	10.470	[illegible]	7.690	6.891	6.636	7.870	10.673	[illegible]	[illegible]	16.255
	TOTAL OBS	[illegible]	2255	2488	2400	[illegible]	2400	2480	2480	2399	2480	2400	2479	[illegible]

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

[illegible] TEMPERATURES (°F) FOR FIVE HOURLY OBSERVATIONS

[illegible] STATION NAME [illegible] YEARS

HRS LST		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT.	NOV.	DEC	ANNUAL
	MEAN	[illegible]	37.4	45.[illegible]	52.[illegible]	61.2	67.[illegible]	[illegible]	70.6	66.7	[illegible]	47.6	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	6.46[illegible]	7.258	5.341	3.[illegible]	4.[illegible]	5.974	9.363	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	36.6	44.7	51.[illegible]	[illegible]	65.9	69.5	67.9	65.7	52.4	41.2	39.7	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	7.750	5.742	4.25[illegible]	4.436	6.482	9.714	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	44.7	52.[illegible]	[illegible]	68.[illegible]	71.6	71.[illegible]	[illegible]	52.2	41.6	38.7	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	8.749	[illegible]	5.435	4.204	4.324	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	57.1	[illegible]	77.6	74.1	74.5	[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]
	MEAN	[illegible]	[illegible]	[illegible]	56.7	[illegible]	71.3	74.9	75.1	71.[illegible]	[illegible]	[illegible]	47.[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	7.791	[illegible]	4.773	4.172	3.693	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	58.[illegible]	[illegible]	71.0	74.5	74.6	71.2	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	7.325	[illegible]	4.313	3.977	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	42.1	[illegible]	56.1	[illegible]	69.8	73.1	73.1	[illegible]	57.6	[illegible]	43.[illegible]	57.5
	S.D.	[illegible]	[illegible]	[illegible]	7.463	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	47.5	54.[illegible]	[illegible]	64.2	71.7	71.7	67.8	55.2	45.7	42.1	[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]
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	55.[illegible]	[illegible]	69.0	72.5	72.6	68.7	54.5	50.0	43.[illegible]	56.7
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	7.247	5.462	4.419	4.394	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	2478	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2399	2480	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION _____ STATION NAME _____ YEARS _____

HRS LST		JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible]	32.0	41.0	48.7	[illegible]	64.0	68.7	69.7	65.1	51.0	47.9	38.[illegible]	[illegible]
	S D	[illegible]	13.15	12.213	10.475	7.999	6.119	4.493	4.573	6.636	[illegible]	12.[illegible]	13.660	14.[illegible]
	TOTAL OBS	[illegible]	[illegible]	310	300	310	300	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	31.5	40.0	47.5	57.2	64.1	67.[illegible]	69.5	64.1	49.3	42.6	38.4	[illegible]
	S D	[illegible]	13.[illegible]	12.577	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.072	10.672	13.054	13.771	17.[illegible]
	TOTAL OBS	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	310	300	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	48.6	[illegible]	65.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.[illegible]	[illegible]
	S D	[illegible]	[illegible]	12.999	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.25[illegible]	[illegible]	13.235	13.[illegible]	17.[illegible]
	TOTAL OBS	[illegible]	[illegible]	310	[illegible]	31	[illegible]	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.6	[illegible]	[illegible]	66.[illegible]	52.9	[illegible]	37.[illegible]	[illegible]
	S D	[illegible]	[illegible]	14.197	12.[illegible]	[illegible]	6.672	[illegible]	[illegible]	7.337	[illegible]	[illegible]	13.[illegible]	17.[illegible]
	TOTAL OBS	[illegible]	[illegible]	310	[illegible]	310	[illegible]	310	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	34.1	[illegible]	[illegible]	[illegible]	65.0	[illegible]	[illegible]	[illegible]	51.9	[illegible]	[illegible]	[illegible]
	S D	[illegible]	[illegible]	14.132	12.466	[illegible]	6.561	[illegible]	[illegible]	7.237	11.173	13.[illegible]	[illegible]	17.[illegible]
	TOTAL OBS	[illegible]	[illegible]	31[illegible]	[illegible]	310	[illegible]	31[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	34.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S D	[illegible]	[illegible]	14.[illegible]	12.11[illegible]	[illegible]	6.742	[illegible]	5.151	7.291	11.296	[illegible]	14.667	17.[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	34.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	13.[illegible]	11.454	[illegible]	6.545	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S D	[illegible]	13.769	11.8[illegible]	[illegible]	7.771	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.[illegible]
	TOTAL OBS	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	299	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	MEAN	[illegible]	[illegible]	41.9	[illegible]	[illegible]	65.2	[illegible]	[illegible]	[illegible]	51.6	[illegible]	[illegible]	[illegible]
	S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.463	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD

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%		
TOTALS												

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
4 [illegible] NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
TOTALS											

OCEANAV–SMOS

4

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	
		10%	20%	30%	40%	50%	60%	70%	80%	90%		

OCEANAV–SMOS

4

RELATIVE HUMIDITY

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
TOTALS											

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
[illegible] NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION STATION NAME YEAR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
MONTEREY, 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%		
TOTALS												

OCEANAV–SMOS

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%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

RELATIVE HUMIDITY

STATION STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] (STATION) — [illegible] — JANUARY 1973-DECEMBER 1967 (YEARS) — JANUARY (MONTH)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]					8.3	50.[illegible]	41.7			12	.5
[illegible]		4.[illegible]	4.2		23.9	23.[illegible]	38.1	4.[illegible]		21	.8
[illegible]	1.1	1.1	1.1	4.2	46.3	23.2	[illegible].0	2.1	1.1	95	3.9
[illegible]	1.2	.6	3.5	4.[illegible]	34.7	31.8	14.5	1.7	7.5	177	7.[illegible]
[illegible]	[illegible].4	.6	3.[illegible]	[illegible]	15.5	2[illegible].3	25.6	1[illegible].1	13.1	16[illegible]	6.[illegible]
[illegible]	17.8	6.4	6.1	4.2	6.4	14.0	16.6	10.6	14.0	236	9.5
[illegible]	15.4	8.8	12.4	3.[illegible]	3.3	5.[illegible]	16.[illegible]	12.7	18.6	3[illegible]6	12.7
[illegible]	19.6	13.6	6.4	3.3	2.2	7.1	16.8	14.7	13.9	36[illegible]	14.8
[illegible]	21.0	17.4	6.6	2.4	2.4	5.4	12.0	19.5	13.5	334	13.5
[illegible]	24.8	13.0	4.5	.9	.9	6.1	13.9	14.8	20.9	33[illegible]	13.3
[illegible]	29.6	10.7	2.1		1.3	3.4	13.3	14.6	24.9	233	9.4
[illegible]	35.9	6.8				6.0	16.2	14.5	20.5	117	4.7
[illegible]	29.9	6.0				4.5	23.9	16.4	19.4	67	2.7
[illegible]	4[illegible].2						3[illegible].8	2[illegible].1		17	.5
[illegible]						14.3	71.4	14.3		7	.3
TOTALS	18.6	9.4	[illegible].9	2.9	7.4	10.4	17.0	12.9	15.6	24[illegible]	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] STATION — [illegible] RIVER, NC — JANUARY 1973-DECEMBER 1982 — FEBRUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
82 TO 8[illegible]					25.0		75.0			4	.2
[illegible]					25.0	12.5	62.5			8	.4
[illegible]		2.9	2.9		47.1	14.7	32.4			34	1.5
[illegible]	1.2	1.2	6.1	6.1	35.4	20.7	25.6	3.7		82	3.6
[illegible]	5.0	1.8	4.1	7.3	31.4	23.6	16.8	5.9	4.1	220	9.8
[illegible]	3.7	2.6	5.6	8.2	21.0	19.5	16.4	8.2	9.7	195	8.6
[illegible]	11.5	7.5	7.1	4.3	15.4	14.6	20.6	12.3	6.7	253	11.2
[illegible]	15.7	14.5	8.7	5.0	8.3	11.6	15.7	10.7	9.9	242	10.7
42 TO 46	29.8	8.6	8.6	3.4	2.6	6.5	9.2	11.6	13.7	292	12.9
[illegible]	22.4	17.4	8.8	1.6	1.3	3.4	8.8	15.8	20.2	317	14.1
[illegible]	24.6	20.5	7.6	1.7	1.5	5.7	9.5	10.6	16.2	264	11.7
[illegible]	25.1	16.0	3.2	1.1	1.1	7.0	9.1	12.8	24.6	187	8.3
[illegible]	23.2	14.1	2.0		1.0	4.0	10.1	16.2	29.3	99	4.4
[illegible]	17.0	1.9				9.4	13.2	22.6	35.8	53	2.4
[illegible]							40.0	20.0	40.0	5	.2
TOTALS	17.6	10.[illegible]	[illegible].5	3.6	11.2	10.9	14.0	11.3	14.1	22[illegible]5	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

TEMP.	NNE	NE	ENE	E	ESE	SE	SSE	SSW	SW	TOTAL FREQ	TOTAL
		4.2			20.3	25.0	45.8	4.2		24	1.2
		2.1		6.3	27.1	22.4	37.5	4.2		48	1.2
	3.6	1.8	1.8	7.2	30.6	26.1	21.6	7.2		111	4.5
	5.4	4.9	3.8	11.4	26.5	25.9	16.8	3.2	2.2	185	7.5
	4.4	4.4	7.2	12.7	28.7	24.	12.5	4.1	3.9	342	14.6
	8.8	9.1	12.5	10.1	16.5	14.3	11.1	7.4	1.3	4	15.4
	12.9	12.0	12.4	9.8	7.1	10.	12.9	9.8	11.7	41	16.5
	21.4	16.3	11.2	4.7	3.5	7.3	8.9	11.	15.7	213	17.6
	24.3	14.2	7.7	2.3	2.4	9.9	1 .2	11.4	16.3	245	9.9
	23.0	13.6	6.8	.5	2.1	7.7	13.1	12.6	2 .9	191	7.7
	27.3	6.7	3.3	.5	1.7	10.0	15.8	8.3	25.7	12	4.5
	13.9	13.9	2.8			5.6	41.7	2.8	16.4	14	1.5
	7.0	21.4					7.1		21.4	14	.5
	62.5							37.5		8	.3
						40.0		20.0	40.0	5	.2
TOTALS	13.9	9.8	5.4	7.2	13.1	14.4	13.4	8.3	11.5	2490	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] NEW RIVER, NC — JANUARY 1973-DECEMBER 1982 — APRIL

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
92 TO 96			33.3			33.3	33.3			[illegible]	.1
87 TO 91	6.3		6.3		18.8	6.3	37.5	25.[illegible]		1[illegible]	.7
82 TO 86	7.4	1.9	1.9	14.8	14.8	22.2	33.3	3.7		54	2.3
77 TO 81	5.2		3.0	11.1	31.9	22.2	17.0	9.6		135	5.6
72 TO 76	3.8	2.3	6.0	10.6	31.3	27.5	12.1	4.9	1.5	265	11.[illegible]
67 TO 71	5.3	3.5	6.6	8.8	31.3	24.2	13.4	5.3	1.5	396	16.5
62 TO 66	8.4	3.9	5.8	11.6	19.9	19.8	16.3	6.2	7.1	465	19.4
57 TO 61	11.5	8.8	11.0	7.1	10.3	14.2	15.6	8.3	13.2	409	17.[illegible]
52 TO 56	15.4	15.0	9.2	3.1	8.5	7.3	15.8	7.7	18.1	26[illegible]	1[illegible].9
47 TO 51	15.4	13.1	5.1	1.9	3.7	10.3	16.4	11.7	22.4	214	8.9
42 TO 46	23.0	8.7	4.0		1.6	10.3	15.1	14.3	23.[illegible]	126	5.3
37 TO 41	6.5	4.3	2.2		2.2	13.0	26.1	15.2	3[illegible].4	46	1.9
32 TO 36						9.1	36.4	18.2	36.4	11	.5
TOTALS	9.5	6.5	6.9	7.5	17.7	17.7	16.0	8.2	10.0	24[illegible]0	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] JANUARY 1973-DECEMBER 1982 MAY

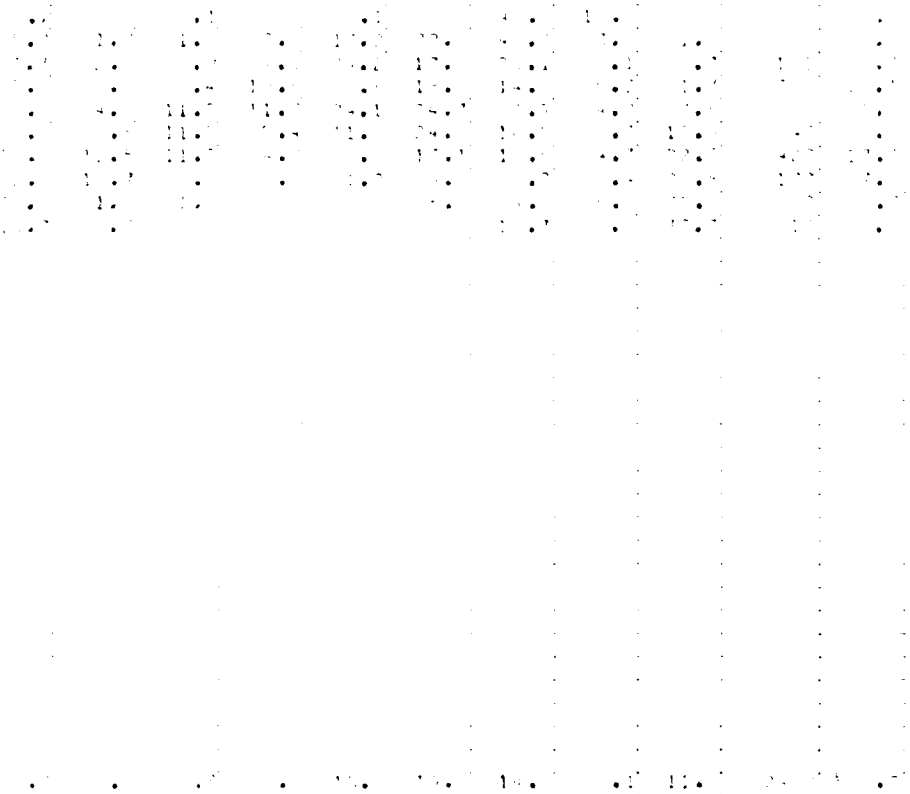
WIND DIRECTION

TEMP	NNE & N	ENE & NE	ESE & E	SSE & SE	SSW & S	WSW & SW	WNW & W	NNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]	3.3				8.3	25.0	41.7	16.7		12	.5
[illegible]	10.2	2.0	4.1	8.2	20.4	20.4	22.4	12.2		49	2.0
[illegible]	7.0	3.2	4.3	4.3	35.3	16.6	19.3	9.1	1.1	187	7.5
[illegible]	7.8	3.4	6.1	15.3	30.5	18.0	11.5	6.4	1.0	295	11.9
[illegible]	8.1	5.4	3.1	8.8	30.2	19.4	11.5	4.6	3.8	520	21.0
[illegible]	9.9	6.1	7.6	8.0	17.5	21.3	13.3	4.5	11.4	579	23.3
[illegible]	10.5	10.5	9.1	5.2	7.5	15.7	16.3	6.9	18.2	362	14.6
[illegible]	15.4	16.2	10.3	1.7	3.0	12.0	13.7	9.0	18.8	234	9.4
[illegible]	16.1	20.5	6.8	1.9	1.9	6.2	14.9	4.3	27.3	161	6.5
[illegible]	19.0	15.5	5.2			3.6	22.4	3.4	25.9	58	2.3
[illegible]		14.3				9.5	9.5	9.5	57.1	21	.8
[illegible]						50.0	50.0			2	.1
TOTALS	10.2	8.1	7.5	7.1	18.6	17.2	14.3	6.1	11.0	2479	100.0

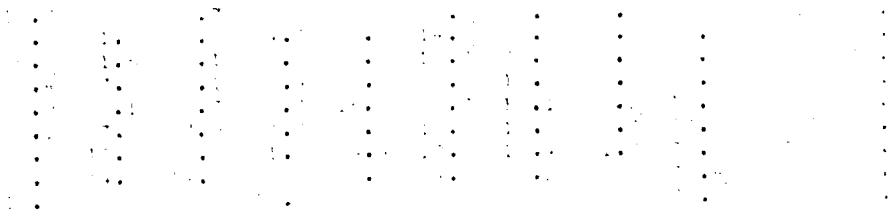
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4

FREQUENCY OF AIR TEMPERATURE
VS
WIND DIRECTION



NAVAER ES-WB-W

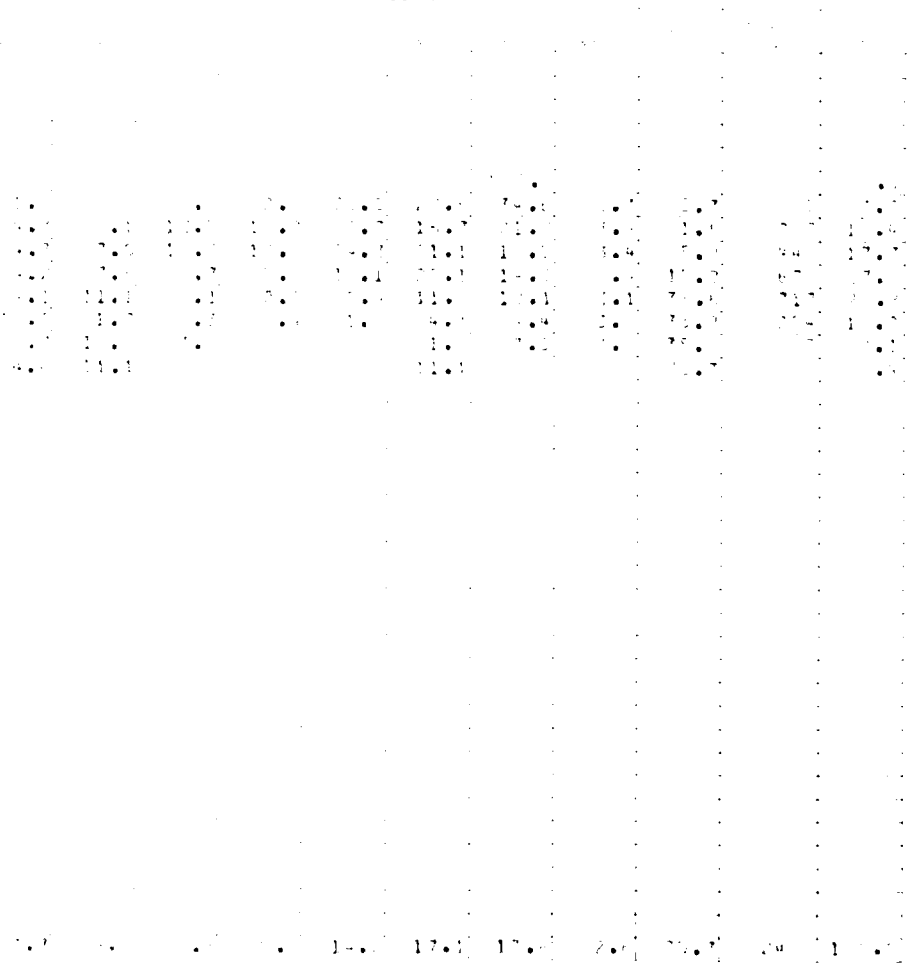


4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS

WIND DIRECTION



NAVAER

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] [illegible] RIVER, NC — JANUARY 1973–DECEMBER 1982 — SEPTEMBER

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
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]				13.3	6.7	13.3	33.3	20.0	13.3	15	.6
[illegible]	6.6	3.3	12.3	9.0	23.8	15.6	15.6	9.0	4.9	122	5.1
[illegible]	9.3	8.0	14.5	13.6	24.7	9.0	10.2	5.2	5.6	324	13.5
[illegible]	7.9	12.8	16.9	10.6	18.2	14.6	5.4	2.9	10.6	444	18.5
[illegible]	10.0	14.5	14.8	3.0	8.0	11.9	10.3	3.3	24.1	671	28.0
[illegible]	24.3	21.9	7.1	1.3	1.1	5.4	7.3	3.7	28.0	465	19.4
[illegible]	40.3	21.0	2.5	.4	.3	3.4	4.6	2.1	24.3	239	9.9
[illegible]	35.3	10.3				5.9	8.8	8.9	30.9	68	2.8
[illegible]	24.1	4.5				6.[illegible]	2.3	4.5	47.7	44	1.8
[illegible]	28.6						14.3		57.1	7	.3
[illegible]									100.0	1	.0
TOTALS	16.3	14.5	11.5	5.5	10.5	9.8	8.5	4.0	19.6	2399	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] JANUARY 1973-DECEMBER 1982 OCTOBER

WIND DIRECTION

TEMP.	NNW & N	NW & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
97 TO 101			10.0	10.0	20.0	60.0				10	.4
92 TO 96	7.7	1.9	7.7	15.4	23.8	11.5	19.2	5.8	1.9	52	2.1
87 TO 91	3.9	5.1	19.1	16.3	27.3	12.4	10.1	3.4	2.9	178	7.2
82 TO 86	11.0	9.7	16.6	7.8	17.5	12.0	11.0	6.8	7.5	309	12.4
77 TO 81	20.4	12.4	11.4	3.6	10.0	7.8	11.2	7.5	15.6	411	16.6
72 TO 76	22.5	17.5	9.4	1.7	3.0	10.9	7.4	7.7	20.0	405	16.3
67 TO 71	24.5	17.0	6.3	.3	1.5	8.0	8.6	7.3	26.5	400	16.1
62 TO 66	31.4	10.2	3.0		1.3	4.6	10.2	6.6	30.7	303	12.2
57 TO 61	39.1	6.9	2.0			5.4	10.4	11.4	28.7	202	8.1
52 TO 56	73.9	.8			1.6	7.1	13.4	5.5	37.8	127	5.1
47 TO 51	79.9	4.5				11.9	14.9	4.5	34.3	67	2.7
42 TO 46	26.7				6.7	13.3	6.7		46.7	15	.6
37 TO 41									100.0	3	.1
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											
TOTALS	22.2	11.3	4.6	3.4	7.5	9.3	10.2	7.3	20.6	2487	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] JANUARY 1973–DECEMBER 1982 NOVEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]						[illegible].0		50.0		2	.1
[illegible]	5.9		17.6	5.9	17.6	23.5	17.6	5.9	5.9	17	.7
[illegible]		1.9	5.8	23.1	23.1	17.3	19.2	7.7	1.9	52	2.2
[illegible]	5.5	4.4	10.9	11.5	29.0	14.2	15.3	6.6	2.7	183	7.6
[illegible]	6.2	5.8	3.9	11.6	19.7	17.4	13.1	5.8	11.6	259	10.8
[illegible]	10.7	9.6	7.8	6.0	10.0	13.5	14.9	7.8	19.6	281	11.7
[illegible]	17.9	17.6	8.4	5.2	2.9	5.8	12.4	11.3	18.5	346	14.4
[illegible]	26.2	14.0	9.7	1.7	2.3	6.0	10.5	11.1	18.5	351	14.6
[illegible]	22.7	17.5	5.8	.3	1.6	2.9	14.0	13.6	21.4	309	12.8
[illegible]	26.9	9.0	4.9	.4	.7	5.2	17.9	13.1	22.[illegible]	26[illegible]	11.2
[illegible]	26.4	6.2	.5	.5	.5	7.7	17.0	4.9	34.1	1[illegible]2	7.5
[illegible]	25.0	3.0	1.0			2.0	27.0	9.[illegible]	32.[illegible]	1[illegible]	4.[illegible]
[illegible]	11.4	2.3			2.3	20.5	29.5	4.5	29.5	44	1.8
[illegible]		14.3				14.3	42.[illegible]		28.6	7	.3
TOTALS	18.0	10.[illegible]	7.0	4.5	7.3	8.9	15.1	9.6	19.0	2400	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] IVER, NC — JANUARY 1973-DECEMBER 1982 — DECEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% 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			9.1		18.2	45.5	27.3			11	.4
72 TO 76			2.3	4.5	36.4	38.6	11.4	4.5	2.3	44	1.8
67 TO 71	2.5	.8	.8	5.9	25.4	31.4	21.2	2.5	9.3	118	4.8
62 TO 66	5.2	1.6	5.8	11.5	29.3	25.7	14.7	3.7	2.6	191	7.7
57 TO 61	9.7	5.3	6.1	6.9	11.3	15.0	13.8	11.7	18.2	247	10.0
52 TO 56	13.4	11.6	8.4	2.2	4.7	11.9	17.8	10.6	19.4	320	13.0
47 TO 51	15.7	14.1	9.2	1.5	1.9	11.8	14.6	10.2	19.9	391	15.8
42 TO 46	25.8	13.7	4.8	.6	2.2	4.2	20.2	12.9	15.7	357	14.5
37 TO 41	31.6	12.6	3.8	1.7	2.1	4.2	15.7	9.4	18.5	285	11.6
32 TO 36	26.9	9.6	2.8		1.2	8.0	17.3	12.9	21.3	249	10.1
27 TO 31	23.8	8.5	.6		.6	6.1	17.1	11.0	32.3	164	6.6
22 TO 26	23.2	7.2	4.3		1.4	5.8	10.1	15.9	31.9	69	2.8
17 TO 21	21.1	10.5				5.3	26.3	15.8	21.1	19	.8
12 TO 16						100.0				[illegible]	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.7	9.7	5.5	2.9	6.9	11.9	16.6	10.2	17.8	2469	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

JANUARY 1973-DECEMBER 1942 ALL

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
86											
85 TO 86											
80 TO 84											
75 TO 79											
70 TO 74											
65 TO 69											
60 TO 64	13.5		6.9		3.4	10.3	48.3	17.2		29	.1
55 TO 59	4.9	.8	2.4	4.0	20.0	21.6	36.4	4.8	5.2	25[illegible]	.9
50 TO 54	5.0	2.4	7.9	9.9	25.6	17.8	22.2	6.6	2.7	928	3.2
45 TO 49	5.9	5.5	10.2	9.8	27.1	17.8	15.0	5.[illegible]	3.[illegible]	1929	6.6
40 TO 44	5.2	6.2	10.4	7.3	21.6	20.9	13.5	3.6	9.3	3019	10.3
35 TO 39	7.2	8.6	10.0	5.2	15.6	17.5	14.[illegible]	4.[illegible]	17.8	4176	14.3
30 TO 34	12.7	10.9	7.6	5.5	14.6	15.5	12.5	4.5	16.3	3495	12.[illegible]
25 TO 29	13.4	9.4	6.6	6.4	15.1	16.9	12.4	5.[illegible]	14.[illegible]	2971	10.2
20 TO 24	14.7	10.9	8.3	5.4	8.9	12.3	13.3	8.8	17.3	2543	8.7
15 TO 19	13.8	11.7	8.2	3.6	5.7	9.3	14.6	9.7	18.5	2358	8.[illegible]
10 TO 14	20.2	13.4	8.3	2.4	2.8	7.9	14.3	11.4	19.4	2[illegible]41	7.[illegible]
5 TO 9	25.2	11.0	6.1	1.9	2.9	6.6	15.1	12.4	18.9	18[illegible]6	6.2
0 TO 4	24.4	13.7	5.3	1.4	1.7	6.[illegible]	13.5	13.[illegible]	21.1	1425	4.9
-5 TO -1	25.4	12.1	4.3	.9	1.2	6.6	15.2	11.9	22.4	1[illegible]89	3.7
-10 TO -6	24.9	11.3	2.0	.3	1.1	6.3	15.6	11.9	26.9	666	2.3
-15 TO -11	28.8	10.1	1.6		.7	5.2	13.1	14.4	26.1	3[illegible]6	1.[illegible]
-20 TO -16	25.9	4.9				6.1	19.[illegible]	19.7	24.5	147	.5
-25 TO -21	27.1					19.2	23.1	19.2	15.4	26	.1
-30 TO -26						14.3	71.4	14.3		7	.[illegible]
-35 TO -31											
-40 TO -36											
-45 TO -41											
-50 TO -46											
-55 TO -51											
-60 TO -56											
-65 TO -61											
-70 TO -66											
-75 TO -71											
-80 TO -76											
-85 TO -81											
-90 TO -86											
BELOW -90											
TOTALS	14.0	9.5	7.9	5.2	12.3	13.6	14.3	7.4	15.7	29207	100.0

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Asheville, N. C.

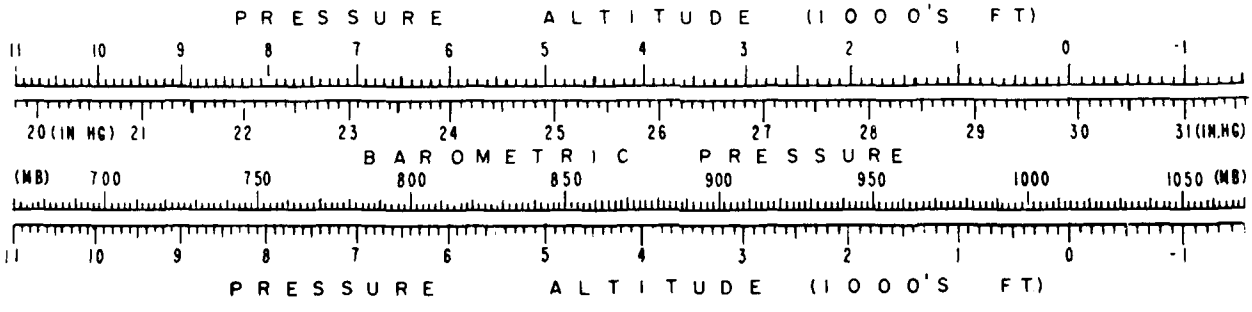
PART F PRESSURE SUMMARY

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

STATION STATION NAME YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT.	NOV.	DEC	ANNUAL
	MEAN	1019.1	1019.3	1017.6	1017.3	1015.4	1016.4	1017.2	1017.1	1017.4	1018.3	1020.0	1019.4	1018.
	S. D.	7.903	7.774	7.215	6.736	4.801	4.454	3.734	3.261	3.942	5.747	6.734	7.036	6.152
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1018.1	1018.9	1017.1	1017.0	1015.1	1015.9	1016.6	1017.7	1017.2	1018.5	1019.8	1019.7	1017.7
	S. D.	7.932	7.632	7.359	7.009	4.762	4.491	3.714	3.272	3.852	5.688	6.966	8.070	6.209
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1019.7	1019.8	1018.1	1018.2	1016.2	1016.8	1017.4	1018.1	1017.9	1019.4	1020.5	1020.4	1018.6
	S. D.	8.016	7.657	7.628	7.222	4.752	4.457	3.75	3.288	3.937	5.749	6.164	7.998	6.218
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1020.3	1020.7	1019.7	1018.5	1016.5	1017.2	1017.8	1018.1	1018.1	1020.1	1021.3	1021.4	1019.2
	S. D.	8.197	7.703	7.955	7.455	4.824	4.475	3.742	3.316	4.017	5.882	6.263	8.137	6.434
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1018.7	1019.1	1017.3	1017.3	1015.6	1016.5	1017.3	1018.1	1017.4	1019.6	1020.5	1019.9	1017.9
	S. D.	8.194	7.670	8.030	7.416	4.871	4.594	3.807	3.343	4.016	5.870	6.283	8.017	6.370
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1018.0	1017.8	1015.9	1016.0	1014.5	1015.6	1016.2	1017.3	1016.4	1017.8	1018.8	1018.6	1016.9
	S. D.	8.177	7.984	7.830	7.279	4.830	4.696	3.824	3.313	3.985	5.682	6.148	7.937	6.346
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1017.0	1017.7	1016.6	1016.5	1014.3	1015.7	1016.3	1017.4	1016.7	1018.6	1019.7	1019.4	1017.4
	S. D.	7.993	8.071	7.582	6.997	4.778	4.437	3.727	3.167	3.941	5.676	6.083	7.946	6.283
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
	MEAN	1019.6	1019.4	1017.7	1017.5	1015.3	1016.6	1017.3	1018.4	1017.6	1019.3	1020.3	1020.1	1018.3
	S. D.	7.878	7.994	7.273	6.917	4.623	4.355	3.699	3.124	3.927	5.685	6.944	7.998	6.177
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	1019.2	1019.2	1017.4	1017.3	1015.5	1016.3	1017.2	1018.1	1017.4	1018.9	1020.0	1019.9	1018.0
	S. D.	8.109	7.864	7.651	7.172	4.812	4.519	3.782	3.307	3.982	5.799	6.185	8.038	6.313
	TOTAL OBS	2480	2256	2480	2400	2479	2400	2480	2480	2400	2480	2400	2480	29275

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES OF MERCURY FROM HOURLY OBSERVATIONS

[illegible] [illegible] [illegible], N.C. [illegible]
STATION STATION NAME YEARS

HRS. (L.S.T.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.272	.230	.213	.211	.140	.132	.105	.096	.112	.156	.176	.234	.191
	TOTAL OBS	310.	282.	31[illegible]	3[illegible]	31[illegible]	[illegible]	31[illegible]	31[illegible]	300.	31[illegible]	300.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.274	.226	.215	.217	.141	.123	.107	.097	.115	.167	.179	.232	.193
	TOTAL OBS	310.	282.	31[illegible]	300.	31[illegible]	300.	31[illegible]	31[illegible]	3[illegible]	31[illegible]	30[illegible]	[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.237	.226	.224	.214	.139	.153	.115	.[illegible]7	.115	.169	.162	.234	.185
	TOTAL OBS	310.	282.	31[illegible]	300.	310.	300.	31[illegible]	31[illegible]	300.	31[illegible]	300.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.242	.230	.234	.225	.142	.133	.113	.[illegible]3	.115	.173	.185	.237	.191
	TOTAL OBS	310.	282.	31[illegible]	300.	31[illegible]	300.	31[illegible]	31[illegible]	300.	31[illegible]	300.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.242	.233	.237	.219	.143	.136	.112	.[illegible]6	.115	.171	.185	.236	.198
	TOTAL OBS	310.	282.	31[illegible]	300.	310.	300.	31[illegible]	31[illegible]	300.	31[illegible]	300.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.240	.234	.233	.215	.141	.138	.112	.[illegible]7	.115	.172	.183	.234	.197
	TOTAL OBS	310.	282.	31[illegible]	300.	310.	299.	310.	31[illegible]	300.	310.	279.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.236	.237	.223	.206	.139	.132	.109	.[illegible]3	.116	.167	.178	.234	.189
	TOTAL OBS	309.	282.	310.	300.	310.	300.	310.	310.	300.	310.	300.	3[illegible]	[illegible]
[illegible]	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.235	.238	.219	.203	.136	.129	.109	.092	.115	.167	.176	.236	.192
	TOTAL OBS	310.	282.	310.	300.	310.	300.	310.	310.	300.	310.	300.	3[illegible]	[illegible]
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	.239	.233	.225	.212	.141	.134	.111	.[illegible]7	.117	.170	.182	.236	.196
	TOTAL OBS	2479	2256	2480	2400	2479	2399	2480	2480	2400	2480	2400	2479	29233

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