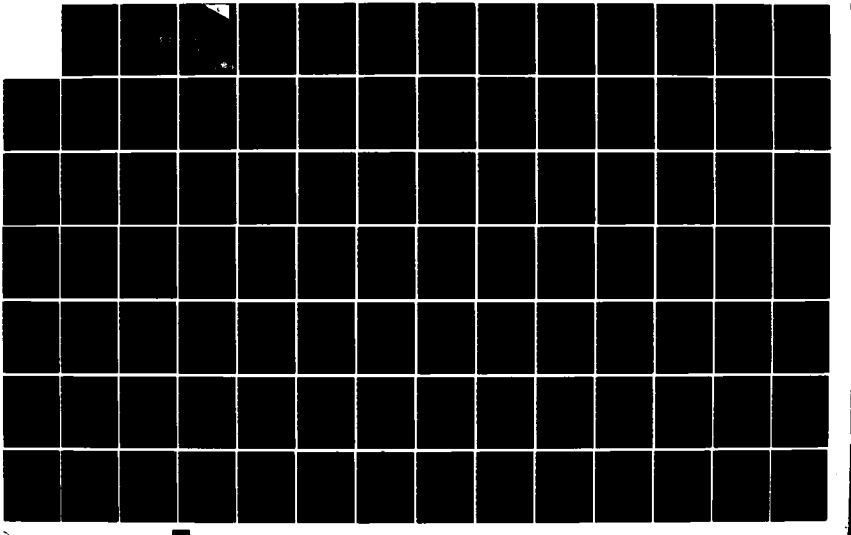
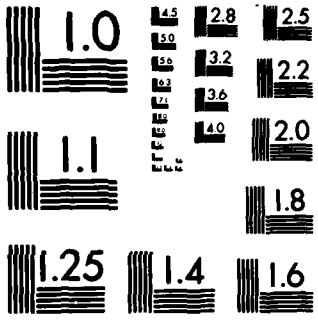
AD-A150 395 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 395

STATION: #25507 Barking Sands, HI

PERIOD: December 1968-December 1982

JOB NO. 72006 DATE November 1983

PREPARED BY
...AL OCEANOGRAPHY
...MAND DETACHMENT,
...ERAL BUILDING
...EVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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18. SUPPLEMENTARY NOTES

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

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

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

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

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

STATION NO. ON SUMMARY:	STATION NAME:	LATITUDE:	LONGITUDE:	STATION ELEV. (FT.)	CALL SIGN:	WMO NUMBER:
22501	Barking Sands ,Kekaha, Hawaii	22°02 N	159°47 W	12.5	PHBK	91162

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	GMD Van	Navy	1964	1967	22°02 N	159°47 W	16	Aneroid	
2.	PMR weather unit building	"	1967	1968	"	"	14.4	Mercurial	
3.	" " "	"	1968	1982	"	"	"	"	
4.	" " "	"	1967	1971	"	"	16	Aneroid	
4a.	" " "	"	1971		"	"	15	"	* 12

*Normal hours of operation 0700-1800 LST.

Closed Saturdays,Sundays and Holidays.

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS. ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1964	GMD Van	UMQ-5	RD-108		1. Barograph (G210)
2.	1978	6500 ft south of PMR Bldg	UMQ-5D	RD-108B	7'	2. Semi-auto met stn (GMQ-14A)
3.	1982	270 ft NW of Weather Service Bldg	"	"	8'	3. Ceiling light (ML-121)
4.	1983	6500 ft south of Weather Service Bldg	"	"	"	4. Theodolite (ML-427) 5. Rawinsonde (GMD-1B/2) 6. Thermoscreen 7. Radar (AN/FPS-81)

CONTINUED ON REVERSE SIDE

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Asheville, N. C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

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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.

4

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

22101	24 [illegible] SANDS, HAWAII	62, 72	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY												
FEB													
MAR		3.2	22.6				22.6						31
APR													
MAY													
JUN													
JUL													
AUG													
SEP													
OCT			32.3				32.3						31
NOV													
DEC													
TOTALS		1.6	27.5				27.5						62

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] HAWAII	74-76,81-82	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	[illegible]												
	[illegible]												
	[illegible]		6.4				6.4						133
	11	1.0	4.9				4.9						102
	14		5.9				6.9						101
	17		18.2				18.2						44
	20												
	23												
TOTALS		.3	9.2				9.2						357

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-76,81-82	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	[illegible]												
	[illegible]												
	[illegible]		3.4				3.4						11[illegible]
	11		1.[illegible]				1.[illegible]						11[illegible]
	1[illegible]	.9	2.7				2.7						11[illegible]
	17												5[illegible]
	[illegible]												
	[illegible]												
TOTALS		.2	2.[illegible]				2.[illegible]						399

4

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible], HAWAII	73-79,81-82	MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	[illegible]												
	[illegible]												
	[illegible]	.9	6.3				6.3						10[illegible]
	11		4.6				4.6						1[illegible]
	14		4.7				4.7						106
	17		12.5				12.5						64
	[illegible]												
	2[illegible]												
TOTALS		.2	7.1				7.1						3[illegible]6

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] HAWAII	73-75, 81-82	APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]												
	[illegible]		1.[illegible]				1.9						1[illegible]
	11		3.7				3.7						1[illegible]
	1[illegible]		9.4				9.[illegible]						1[illegible]
	17		1.[illegible]				1.[illegible]						6[illegible]
	[illegible]												
	[illegible]												
TOTALS			[illegible].1				4.1						3[illegible]7

4

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, OAHU	73-75, 81-82	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	05												
	08												
	02		1.9				1.9						105
	11		5.7				5.7						105
	14		3.7				3.7						104
	17		6.3				6.3						64
	20												
	23												
TOTALS			5.7				5.7						378

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WEATHER CONDITIONS

22 01	BARKING SANDS, HAWAII	73-75,81-82	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	05												
	08												
	09		.9				.9						1[illegible]
	11		4.8				4.9						1[illegible]
	14	1.0	4.8				4.8						10[illegible]
	17		1.6				1.6						81
	20												
	23												
TOTALS		.3	3.1				3.0						777

1477 2006-54321

4

WEATHER CONDITIONS

14717 2096-54321

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] HAWAII	73-75, 81-82	JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	[illegible]												
	[illegible]												
	[illegible]												104
	11	1.0											104
	14		4.8				4.8						105
	17												47
	[illegible]												
	23												
TOTALS		.3	1.2				1.2						358

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4

WEATHER CONDITIONS

NAVAER 2096-5432

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
TOTALS													

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4

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]												
	[illegible]		1.0				1.0						101
	11												101
	14	1.0	7.9				7.9						101
	17		7.9				7.9						39
	[illegible]												
	2[illegible]												
TOTALS		.3	4.2				4.2						341

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WEATHER CONDITIONS

10/1 2096-54321

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	[illegible]												
	[illegible]												
	[illegible]		2.9				2.9						104
	11		3.8				3.8						104
	14		3.8				3.8						104
	17		2.4				2.4						42
	20												
	23												
TOTALS			3.2				3.2						354

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]												
	[illegible]		9.5				6.5						[illegible]
	11		5.6				5.6						[illegible]
	1[illegible]		12.4				12.4						80
	1[illegible]		12.8				12.8						32
	[illegible]												
	2[illegible]												
TOTALS			9.3				9.3						31[illegible]

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4

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] HAWKINS SANDS, [illegible] HAWAII	77-78,81-82	DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]												
	[illegible]												
	[illegible]		3.[illegible]				3.[illegible]						66
	11		2.3				2.3						87
	1[illegible]		4.[illegible]				4.[illegible]						87
	17		[illegible].6				5.6						84
	[illegible]												
	2[illegible]												
TOTALS			4.1				4.1						792

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-75,41-82	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	ALL	.3	9.2				9.2						[illegible]
[illegible]		.2	2.8				2.8						799
[illegible]		.2	7.1				7.1						304
[illegible]			4.1				4.1						[illegible]
[illegible]			5.7				5.7						378
[illegible]		.1	3.8				3.8						377
JUL		.3	1.2				1.2						356
[illegible]		.2	3.5				3.5						372
[illegible]		.2	4.2				4.2						341
[illegible]			3.2				3.2						304
[illegible]			9.2				9.2						719
[illegible]			4.1				4.1						[illegible]
TOTALS		.1	4.7				4.7						4302

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEAR	MONTH	HOURS (GMT)
[illegible]	[illegible]	JANUARY 1973-DECEMBER 1982	JANUARY	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														[illegible]
NNE		•3												93.5
NE														[illegible]
ENE	•3													94.4
E		•3												95.5
ESE	•3													95.9
SE	•6	1.1						3.2						74.2
SSE		17.7												82.1
S		•3												97.7
SSW	•3													91.7
SW		13.3												86.7
WSW														[illegible]
W		1.7												89.5
WNW		4.2												95.5
NW		5.7												93.3
NNW														[illegible]
VARIABLE														[illegible]
CALM	[illegible]													[illegible]
TOTAL	•	[illegible]						1						323
% TOTAL	[illegible]	5.7						•3						92.3

TOTAL NUMBER OF OBSERVATIONS 350

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION: [illegible] | STATION NAME: [illegible] HAWAII | YEARS: JANUARY 1973-DECEMBER 1992 | MONTH: FEBRUARY | ALL HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.2												94.1
NNE		4.5												95.2
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														87.5
SSE	4.3	5.7												100.0
S														91.7
SSW		8.3												100.0
SW								4.5						95.5
WSW														100.0
W														100.0
WNW														97.3
NW	7.2													100.0
NNW														
VARIABLE														100.0
CALM														
TOTAL	2	7						1						369
% TOTAL	.5	1.3						.3						97.5

TOTAL NUMBER OF OBSERVATIONS 369

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)
[illegible]	[illegible] BARKING SANDS, HAWAII	JANUARY 1973-DECEMBER 1992	MARCH	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	13.2												84.2
NNE		7.7												92.3
NE		25.0												75.0
ENE														100.0
E														100.0
ESE		[illegible]												91.7
SE	7.1	7.1						7.1						85.7
SSE		13.3												86.7
S	[illegible]	5.3												89.5
SSW		11.1												88.9
SW		9.1												90.9
WSW														100.0
W		2.4												97.6
WNW		2.2												97.8
NW														100.0
NNW		[illegible]												96.9
VARIABLE														
CALM		[illegible]												[illegible]
TOTAL		12						1						361
% TOTAL	.8	[illegible]						.3						93.5

TOTAL NUMBER OF OBSERVATIONS 386

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOUR
[illegible]	[illegible]	JANUARY 1973-DECEMBER 1982	APRIL	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.7												92.3
NNE	[illegible]	10.5												89.7
NE		4.1												95.9
ENE		[illegible]												93.[illegible]
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S		4.[illegible]												95.2
SSW														100.0
SW														100.0
WSW		[illegible].2												91.8
W		2.3												97.7
WNW														100.0
NW														100.0
NNW		7.7												92.7
VARIABLE														
CALM		[illegible]												[illegible]
TOTAL	[illegible]	[illegible]												37[illegible]
% TOTAL	[illegible]	4.1												95.6

TOTAL NUMBER OF OBSERVATIONS 397

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS
[illegible]	[illegible]	JANUARY 1973-DECEMBER 1982	MAY	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	ALL WEATHER
N		7.1												92.9
NNE														100.0
NE		11.7												[illegible]
ENE														[illegible]
E		14.3												[illegible]
ESE														[illegible]
SE		[illegible]												[illegible]
SSE	[illegible]	15.[illegible]												[illegible]
S														100.0
SSW		11.1												[illegible]
SW														[illegible]
WSW														[illegible]
W		7.1												[illegible]
WNW														[illegible]
NW		[illegible]												97.8
NNW		[illegible]												93.5
VARIABLE														[illegible]
CALM														[illegible]
TOTAL	[illegible]	[illegible]												[illegible]
% TOTAL	[illegible]	[illegible]												94.4

TOTAL NUMBER OF OBSERVATIONS [illegible]

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4431-84321

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22[illegible] 1 | [illegible] | JANUARY 1973-DECEMBER 1992 | JUNE | ALL

STATION | STATION NAME | YEARS | MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		17.6												82.4
NNE		19.1												80.9
NE		12.5												87.5
ENE		[illegible]												91.7
E														100.0
ESE		16.7												83.3
SE														100.0
SSE		13.2												91.8
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW		1.9												98.1
NW								1.9						98.1
NNW		5.1												94.9
VARIABLE														
CALM														100.0
TOTAL		13						1						364
% TOTAL		3.2						.2						96.6

TOTAL NUMBER OF OBSERVATIONS 377

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

4431-84321

APRI 1 (STATION) | APRIDO SANDS, HAWAII (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | JULY (MONTH) | ALL (HOURS LST)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE		.3												91.7
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W		1.5												98.4
WNW								2.2						97.8
NW		5.4												94.6
NNW														100.0
VARIABLE														
CALM		3.2												96.8
TOTAL		5						1						350
% TOTAL		1.4						.3						98.3

TOTAL NUMBER OF OBSERVATIONS 356

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS
[illegible]	[illegible] HAITI	JANUARY 1973-DECEMBER 1982	AUGUST	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		[illegible]												[illegible]
NNE		3.3												96.7
NE		11.1												88.9
ENE														100.0
E														100.0
ESE		11.8												88.2
SE														100.0
SSE														100.0
S		11.8												90.9
SSW								9.1						90.9
SW														100.0
WSW														100.0
W		2.9												97.1
WNW		2.1												97.9
NW		2.1												97.9
NNW		4.0												96.0
VARIABLE														
CALM														[illegible]
TOTAL		11						1						360
% TOTAL		3.0						.3						96.8

TOTAL NUMBER OF OBSERVATIONS 372

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)
[illegible]	[illegible], HAWAII	JANUARY 1973-DECEMBER 1982	SEPTEMBER	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		[illegible]												94.7
NNE														100.0
NE														100.0
ENE		4.0												96.[illegible]
E		1[illegible].0												90.0
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW								7.7						92.3
SW														100.0
WSW		12.[illegible]												96.4
W														100.0
WNW		2.3												97.7
NW														100.0
NNW		7.4												92.6
VARIABLE														
CALM		[illegible].[illegible]												[illegible]5.[illegible]
TOTAL		1[illegible]						1						325
% TOTAL		3.[illegible]						.7						96.[illegible]

TOTAL NUMBER OF OBSERVATIONS 341

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] | [illegible] AIRFIELD, HAITI | JANUARY 1972-DECEMBER 1982 | OCTOBER | ALL

STATION | STATION NAME | YEARS | MONTH | HOUR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	N WEATHER
N														100.0
NNE	2.1													97.9
NE														100.0
ENE		2.3												95.5
E		4.5												95.5
ESE	3.7	6.7												96.7
SE		5.9												94.1
SSE														100.0
S		4.5												95.5
SSW														100.0
SW														100.0
WSW														100.0
W		2.3												97.7
WNW														100.0
NW	3.4	3.4												93.1
NNW														100.0
VARIABLE														
CALM		4.7												95.3
TOTAL	3	9												342
% TOTAL	.9	2.5												96.6

TOTAL NUMBER OF OBSERVATIONS 354

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22 21 (STATION) | [illegible] (STATION NAME) | JANUARY 1973-DECEMBER 1982 (YEARS) | NOVEMBER (MONTH) | ALL (HOURS (LST))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		[illegible]												92.3
NNE	[illegible]	12.5												91.7
NE														100.0
ENE	[illegible].3	8.3												87.5
E	[illegible]	[illegible].3												87.5
ESE	[illegible]													91.7
SE		16.7												93.3
SSE	11.[illegible]	15.4												73.1
S		[illegible].3												93.8
SSW		14.7												93.3
SW														100.0
WSW														100.0
W		7.4												96.6
WNW		[illegible].3												95.7
NW														100.0
NNW														100.0
VARIABLE														
CALM	[illegible].[illegible]	[illegible].3												[illegible].[illegible]
TOTAL	[illegible]	[illegible]												283
% TOTAL	[illegible].[illegible]	[illegible].[illegible]												91.3

TOTAL NUMBER OF OBSERVATIONS 31[illegible]

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOUR
[illegible]	[illegible] AMOS, HAWAII	JANUARY 1978-DECEMBER 1982	DECEMBER	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.7												93.3
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE	[illegible]													95.9
S														100.0
SSW		16.7												83.3
SW														100.0
WSW														100.0
W		4.5												95.5
WNW														100.0
NW		2.9												97.1
NNW		[illegible]												95.5
VARIABLE														
CALM		[illegible]												[illegible]
TOTAL	1	10												281
% TOTAL	.7	3.4												96.2

TOTAL NUMBER OF OBSERVATIONS 292

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)
2 1	A[illegible] [illegible], HAWAII	JANUARY 1973-DECEMBER 1982	ALL	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	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.3	[illegible]												92.7
NNE	1.[illegible]	6.5												91.7
NE		7.9												92.1
ENE	1.1	2.7												96.3
E	.[illegible]	3.5												96.1
ESE	2.[illegible]	4.4												93.3
SE	2.7	7.4						1.4						89.9
SSE	[illegible].1	[illegible].2												97.7
S	.[illegible]	1.3												96.2
SSW	.[illegible]	4.5						1.6						93.[illegible]
SW		1.3												98.2
WSW		2.[illegible]						.4						97.6
W		2.[illegible]												97.2
WNW		1.3						.2						98.[illegible]
NW	.[illegible]	1.6						.2						97.7
NNW		[illegible].9												96.1
VARIABLE														
CALM	[illegible].[illegible]	[illegible].[illegible]												[illegible].5
TOTAL	[illegible]7	1.2						7						41[illegible]3
% TOTAL	.[illegible]	[illegible].6						.2						95.6

TOTAL NUMBER OF OBSERVATIONS [illegible],352

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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 [illegible]

(FROM DAILY OBSERVATIONS)

4

40081

STATION | STATION NAME | YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.2	4.	1.2				42.3	248	[illegible]	[illegible]	[illegible]
FEB	[illegible]	[illegible]	[illegible]	7.1	[illegible]	4.7	[illegible]	1.6	.					24.4	254	1.[illegible]	[illegible]	[illegible]
MAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.6	1.					27.	28	[illegible]	[illegible]	[illegible]
APR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	1.7	[illegible]	.4				[illegible]	2[illegible]	1.51	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]	.4						1.[illegible]	2[illegible]	.44	1.[illegible]	[illegible]
JUN	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]	1.7	1.[illegible]	1.3						[illegible]	240	.[illegible]	1.[illegible]	[illegible]
JUL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]					1[illegible]	24[illegible]	.[illegible]	1.[illegible]	[illegible]
AUG	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4						[illegible]	217	.46	1.[illegible]	[illegible]
SEP	[illegible]	[illegible]	[illegible]	.3	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]					1[illegible]	24[illegible]	[illegible]	[illegible]	[illegible]
OCT	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	2.4	[illegible]	1.6	1.[illegible]	[illegible]	[illegible]			17.7	2[illegible]	[illegible]	[illegible]	[illegible]
NOV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	1.7				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEC	[illegible]	.1	[illegible]	[illegible]	[illegible]	6.1	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	27[illegible]	[illegible]	[illegible]	[illegible]
ANNUAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	1.[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		

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4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
[illegible] FALL
(FROM DAILY OBSERVATIONS)

STATION [illegible] STATION NAME [illegible] YEARS

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

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF [illegible]

(FROM DAILY OBSERVATIONS)

4

40035

STATION [illegible] STATION NAME [illegible] YEARS

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

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
					.1	.43	.17		.61	.11	1.6		
			1.0	.74	.11				.27			3.6	
			1.73	1.84	.1	.19	1.15			1.93	.67		
			.14	.14	.1			.13	.01	.33		2.1	4.77
		.22		.01	.2	.54	.51				1.22	.1	1.72
			.41	.31					.1	.15	1.2	1.2	
	.5	2.7	1.14		.47				.27		2.93	1.91	
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

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

24-HOUR AMOUNTS IN INCHES

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

GREATEST AMOUNT IN INCHES
/ (AND ON LESS THAN FULL MONTH) /

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

DAILY MAX SNOW DEPTH IN INCHES

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

DAILY SNOW DEPTH IN INCHES
(A DASH IN LIEU OF A FULL MONTH)

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
	PA'KINS SANDS, HAWAII	1969-1976 1982-1982

JANUARY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	15	1969			
2	[illegible]	9	1971			
3	[illegible]	1	1975			
4	[illegible]	8	1971			
5	[illegible]	71	1971			
6	2.41	36	1982			
7	[illegible]	1	1974			
8	[illegible]	16	1971			
9	1.77	44	1975			
10	[illegible]	8	1982			
11	1.27	32	1970			
12	[illegible]	12	1974			
13	1.57	40	1970			
14	[illegible]	2	1974			
15	1.04	26	1971			
16	[illegible]	9	1982			
17	[illegible]	14	1974			
18	0.27	7	1982			
19	[illegible]	20	1982			
20	[illegible]	61	1982			
21	1.99	51	1982			
22	[illegible]	4	1972			
23	[illegible]	89	1972			
24	[illegible]	3	1975			
25	[illegible]	5	1970			
26	1.39	10	1971			
27	[illegible]	69	1971			
28	[illegible]	7	1971			
29	[illegible]	14	1975			
30	1.61	38	1975			
31	4.88	124	1975			
Monthly	4.88	124	1975			

FEBRUARY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37	9	1975			
2	0.22	6	1982*			
3	0.11	3	1974			
4	0.18	5	1972			
5	0.91	23	1976			
6	1.46	37	1976			
7	0.06	2	1982			
8	0.30	8	1982			
9	0.69	17	1982			
10	2.35	60	1982			
11	0.06	2	1969			
12	0.30	8	1982			
13	0.15	4	1970			
14	0.06	2	1982			
15	0.01		1982			
16	0.01		1972			
17	0.13	3	1970			
18	0.11	3	1982			
19	0.43	11	1971			
20	0.25	6	1973			
21	0.02	1	1972			
22	0.89	23	1972			
23	0.05	1	1982*			
24	0.46	12	1972			
25	0.16	4	1982			
26	0.01		1982			
27	T	T	1974			
28	T	T	1973			
29	T	T	1972			
30						
31						
Monthly	2.35	60	1982			

* 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
	BARKING SANDS, HAWAII	1969-1976 1982-1982

MARCH (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	3	1972			
2	[illegible]	45	1972			
3	[illegible]	13	1974			
4	[illegible]	2	1972			
5	[illegible]	5	1974			
6	[illegible]	4	1972			
7	[illegible]	3	1972			
8						
9	T	T	1971*			
10	[illegible]	1	1973			
11	[illegible]	16	1974			
12	[illegible]	25	1974			
13	[illegible]	4	1975			
14	[illegible]	13	1982			
15	[illegible]	1	1982			
16	[illegible]	1	1970			
17	[illegible]	10	1974			
18	[illegible]	2	1982			
19	[illegible]	27	1971			
20	[illegible]	17	1971			
21	[illegible]	9	1982			
22	[illegible]	12	1972			
23	[illegible]	2	1982			
24	[illegible]	27	1971			
25	[illegible]	18	1971			
26	[illegible]	2	1973			
27	[illegible]	21	1975			
28	[illegible]	22	1982			
29	[illegible]	12	1982			
30	[illegible]	7	1982			
31	1.14	29	1982			
Monthly	[illegible]	45	1972			

APRIL (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11	3	1982			
2	0.09	2	1971			
3	0.08	2	1973			
4	0.02	1	1971			
5	0.26	7	1971			
6	0.65	17	1982			
7	2.97	75	1982			
8	T	T	1975			
9	0.31	8	1975			
10						
11	0.03	1	1974			
12	T	T	1973			
13	0.15	4	1972			
14	1.27	32	1972			
15	1.64	42	1972			
16	0.11	3	1971			
17	0.05	1	1982			
18	0.21	5	1972			
19	0.25	6	1974			
20	0.74	19	1971			
21	0.12	3	1973			
22	0.08	2	1974			
23	0.54	14	1971			
24	0.26	7	1971			
25	0.11	3	1971			
26	0.04	1	1970			
27	0.06	2	1982			
28	T	T	1975*			
29	0.01		1971			
30	0.22	6	1971			
31						
Monthly	2.97	75	1982			

* 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
	HARKIN SANDS, OK MII	1969-1976 1982-1987

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.04	1	1971			
2	.54	14	1973			
3	.47	12	1973			
4	.19	5	1970			
5	.12	3	1982			
6						
7	.47	12	1982			
8	.01		1973			
9	T	T	1973			
10	.13	3	1973			
11	.11	3	1980			
12	.12	3	1969			
13	.01		1974*			
14	.04	1	1975			
15	T	T	1974			
16	.14	4	1982			
17	.23	6	1974			
18	.04	1	1982			
19	.11	3	1971			
20						
21	.01		1975*			
22	.04	1	1975			
23						
24	.04	1	1982			
25	.04	1	1970			
26						
27	.02	1	1973			
28	.01		1972			
29	.03	1	1974			
30	.08	2	1969			
31						
Monthly	.54	14	1973			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2	T	T	1972			
3	.12	3	1973			
4						
5						
6						
7	.02	1	1974			
8	.08	2	1972			
9	T	T	1972			
10	.02	1	1974			
11	.05	1	1982			
12						
13	.01		1982			
14	T	T	1973			
15	.44	11	1971			
16	.56	14	1971			
17	.85	22	1971			
18	.32	8	1974			
19	.64	16	1974			
20						
21	.03	1	1972			
22	.04	1	1973			
23	.43	11	1969			
24	.13	3	1969			
25	T	T	1974			
26	T	T	1973*			
27						
28	.33	8	1974			
29	.24	6	1974			
30	T	T	1982			
31						
Monthly	.85	22	1971			

* 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 | PARKING SANDS, HAWAII (STATION NAME) | 1969-1976 1982-19?? (YEARS)

JULY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.51		1976			
2	.??	1	1973			
3	T	T	1977			
4	.02	1	1969			
5	T	T	1977			
6	.01		1974*			
7	.02	1	1982			
8	.04	2	1973			
9	.02	1	1971			
10	1.14	29	1973			
11	.04	1	1973			
12	.??	2	1974			
13	.51	13	1974			
14	.0?	1	1973			
15	.03	2	1972			
16	.09	2	1974			
17	.01		1982			
18	.01		1982			
19	.17	4	1969			
20						
21	.42	11	1974			
22	.1?	4	1974			
23	T	T	1969			
24	.02	1	1969			
25	.1?	5	1973			
26	.01		1971			
27	.0?	2	1974			
28	.01		1973			
29	.51	13	1974			
30	.0?	2	1971			
31	.01		1973			
Monthly	1.14	29	1973			

AUGUST (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.02	1	1973			
2	0.02	1	1982			
3						
4						
5	T	T	1971			
6	0.03	1	1971			
7						
8	0.18	5	1969			
9	0.15	4	1973			
10	0.?5	14	1971			
11	T	T	1969			
12	T	T	197?			
13						
14	T	T	197?			
15						
16	0.32	8	1982			
17	T	T	1982*			
18						
19	T	T	1969			
20	0.03	1	1971			
21	0.?1	13	1982			
22	0.33	8	1973			
23	0.01		1973			
24						
25	0.90	23	1982			
26	T	T	1969			
27	T	T	1969			
28						
29						
30	0.?7	25	1972			
31	T	T	1972*			
Monthly	0.97	25	1972			

* 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

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
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						
Monthly						

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
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						
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	HICKAM	STATION NAME	1969-1976 1982-1982	YEARS

NOVEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.71	59	1982			
2	0.[illegible]	[illegible]	1973			
3						
4	0.17	4	1982			
5	0.01		1982			
6	0.05	1	1972			
7	0.01		1974			
8	0.[illegible]	5	1982			
9	0.[illegible]	1	1969			
10	0.[illegible]	2	1974			
11	0.[illegible]	17	1968			
12	1.[illegible]	47	1969			
13						
14	0.84	21	1969			
15	0.19	4	1974			
16	0.11	3	1974			
17	1.52	39	1974			
18	1.25	32	1974			
19	4.07	103	1973			
20	2.7[illegible]	69	1973			
21	0.27	7	1974			
22	0.27	7	1974			
23	2.99	76	1982			
24	1.29	33	1975			
25	0.67	17	1972			
26	0.33	8	1975			
27	0.03	1	1975			
28	0.04	1	1973			
29	0.1[illegible]	4	1972			
30	0.89	23	1973			
31						
Monthly	4.17	103	1973			

DECEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.16	55	1973			
2	0.39	10	1982			
3	0.14	4	1975			
4	T	T	1970			
5	0.16	4	1973			
6	0.[illegible]6	2	1982			
7	0.17	4	1971			
8	2.35	60	1968			
9	0.02	1	1975			
10	0.09	2	1975			
11	0.0[illegible]	2	1969			
12	0.11	3	1968			
13	1.26	32	1975			
14	0.38	10	1975			
15	0.12	3	1971			
16	2.04	52	1968			
17	0.66	17	1968			
18	2.80	71	1971			
19	0.99	25	1971			
20	0.18	5	1974			
21	0.18	5	1974			
22	0.18	5	1974			
23	1.88	48	1982			
24	2.32	59	1968			
25	0.91	21	1968			
26	0.[illegible]6	2	1974			
27	0.33	8	1982			
28	0.02	1	1974			
29	0.08	2	1973			
30	0.63	16	1973			
31	0.29	7	1972			
Monthly	2.80	71	1971			

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

NOCD, Federal Building
Asheville, N. C.

PART C SURFACE WINDS

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

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

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

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

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

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

      (1) Annual - all hours combined

      (2) By month - all hours combined

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

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

C

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

DAILY EXTREMES IN MONTH

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

(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, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

CLASS _____

CONDITION _____

HOURS (L.S.T.) 11

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS 101

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

JAN

CLASS | HOURS (L.S.T.)

ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	1.1	1.	2.4	•							7.7	11.0
NNE	•	•	1.1	1.1	•							4.	12.1
NE	•	•	•									1.1	4.6
ENE	•	1.7	•	•								3.1	4.2
E	4.	2.										6.9	7.3
ESE	1.1	•	•		•	•						3.1	7.1
SE	•	2.	2.	2.4								6.9	9.6
SSE	•	2.	3.4	1.7								8.	7.1
S	•	3.	4.	2.	1.7							12.3	10.1
SSW	•	•	1.1	•	•							2.4	7.4
SW	•	1.4	1.4	1.1								4.3	7.6
WSW	•	1.1	•									2.	4.
W	•	3.1	1.7	•	•							5.	6.1
WNW	1.	2.	2.	•								6.	5.8
NW	•	2.	1.									4.3	5.5
NNW	•	2.	2.	1.7	•							4.1	8.4
VARBL													
CALM												3.1	
	1.3	2.9	35.3	17.1	.9	•						100.	7.3

TOTAL NUMBER OF OBSERVATIONS 352

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: FEB

CLASS: ALL WEATHER

CONDITION

HOURS (L.S.T.): 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N												7.0	13.5
NNE				3.5	1.6							7.	15.3
NE													
ENE												.9	2.0
E												1.	4.
ESE												2.	11.3
SE												2.6	11.0
SSE												7.	11.
S												7.	9.
SSW												2.	.
SW												9.	.
WSW												9.	7.3
W												8.	6.1
WNW												14.	5.9
NW												.	4.7
NNW												7.	7.
VARBL													
CALM												1.	
	1.	5.	1.	21.1	.3	2.						100.	.1

TOTAL NUMBER OF OBSERVATIONS 114

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS: 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		[illegible]	1.[illegible]	14.3	[illegible].1							[illegible].[illegible]	14.1
NNE													
NE													
ENE	[illegible].[illegible]											1.[illegible]	[illegible].[illegible]
E													
ESE	[illegible].[illegible]											[illegible].[illegible]	[illegible].[illegible]
SE													
SSE		1.[illegible]	1.[illegible]									[illegible].[illegible]	[illegible].[illegible]
S		1.[illegible]	[illegible].[illegible]									[illegible].[illegible]	[illegible].7
SSW		1.[illegible]	1.[illegible]									[illegible].[illegible]	[illegible].[illegible]
SW	1.[illegible]	.[illegible]										7.1	[illegible].3
WSW													
W		[illegible].[illegible]	1.[illegible]									10.[illegible]	[illegible].7
WNW	1.[illegible]	[illegible].[illegible]										[illegible].4	[illegible].[illegible]
NW	.4	.[illegible]										14.[illegible]	[illegible].9
NNW	1.[illegible]	.4	7.1	[illegible].[illegible]								17.[illegible]	7.6
VARBL													
CALM												[illegible]	
	1[illegible].1	[illegible].1	17.[illegible]	17.[illegible]	[illegible].1							1[illegible].[illegible]	7.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T)

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL WEATHER CLASS

14 HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: APR

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			•		•	•						10•	14•1
NNE	•1	•1		1•								7•7	•4
NE													
ENE													
E													
ESE													
SE													
SSE				•								1•	17•
S		•	4•									10•7	•4
SSW		1•										1•	•7
SW		1•	1•7									•1	•5
WSW	•2											•1	2•7
W	•	1•7	•7									4•1	•1
WNW	•1	•7										1•1	4•7
NW	•1	•7	4•1									1•4	•4
NNW	1•	4•	•1									•7	•7
VARBL													
CALM												1•	
	•1	4•	2•7	•1	1•7	•1						1••7	6•3

TOTAL NUMBER OF OBSERVATIONS •••

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL [illegible] CLASS | ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	1.[illegible]	[illegible].4	3.1	.[illegible]	1.						10.1	11.[illegible]
NNE	1.[illegible]	1.[illegible]	1.[illegible]	2.3	1.[illegible]	1.[illegible]						7.8	12.7
NE	•	1.[illegible]	.[illegible]	.[illegible]								2.[illegible]	[illegible].4
ENE	[illegible].	1.[illegible]	.[illegible]									4.1	3.3
E	[illegible].[illegible]	.[illegible]										3.[illegible]	2.6
ESE	1.[illegible]	.3	.[illegible]									[illegible].3	3.[illegible]
SE	1.	.[illegible]	.[illegible]	.[illegible]	.[illegible]							[illegible].[illegible]	[illegible].6
SSE	.[illegible]	.[illegible]	1.[illegible]	.[illegible]	.[illegible]							3.1	[illegible].4
S	•	1.5	[illegible].5	1.[illegible]	.3							[illegible].4	5.7
SSW	.[illegible]	•	.[illegible]	.[illegible]								1.[illegible]	[illegible].[illegible]
SW	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	[illegible].6
WSW	1.	•	1.[illegible]									[illegible].[illegible]	[illegible].[illegible]
W	1.[illegible]	[illegible].[illegible]	[illegible].4	.[illegible]								11.[illegible]	[illegible].6
WNW	.[illegible]	[illegible].7	2.[illegible]	.[illegible]								10.1	[illegible].[illegible]
NW	1.[illegible]	[illegible].7	[illegible].[illegible]	.[illegible]								13.4	6.3
NNW	.[illegible]	[illegible].4	4.1	.[illegible]								10.[illegible]	[illegible].6
VARBL													
CALM												[illegible].7	
	[illegible].[illegible]	33.	26.1	13.9	[illegible].	2.1						1 3.[illegible]	[illegible].7

TOTAL NUMBER OF OBSERVATIONS 3[illegible]7

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	•	1•										3•	2•
NNE	1•	2•		2•								4•	3•
NE	•	4•		1•								6•	4•
ENE	2•	5•										10•	3•
E	3•	1•										4•	1•
ESE	4•	1•	1•									5•	3•
SE	3•	3•										6•	2•
SSE	2•	2•	1•	1•								4•	3•
S	•	1•										4•	2•
SSW	•											1•	3•
SW	1•											1•	1•
WSW	1•											1•	2•
W													
WNW	2•											2•	2•
NW	•											2•	2•
NNW	1•	1•	1•									3•	3•
VARBL													
CALM												35•	
	41•	27•	2•	2•								100	2•

TOTAL NUMBER OF OBSERVATIONS 1[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

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-77	MAY

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			[illegible]	[illegible]								[illegible]	[illegible]
NNE	[illegible]	[illegible]		[illegible]								4.7	[illegible]
NE	[illegible]											[illegible]	[illegible]
ENE													
E													
ESE													
SE		[illegible]										[illegible]	[illegible]
SSE		[illegible]										[illegible]	[illegible]
S		[illegible]		[illegible]								[illegible]	[illegible]
SSW	[illegible]		[illegible]									[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WSW		[illegible]	[illegible]									[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NW		[illegible]										[illegible]	[illegible]
NNW		[illegible]	[illegible]									[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	4.7								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MAY (MONTH) | ALL (HOURS (L.S.T.))

ALL WEATHER (CLASS)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T.) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JUL

CLASS

CONDITION | HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS 114

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) 11

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: JUL

CLASS: ALL DATES

CONDITION

HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													7.1
NNE													4.4
NE													2.7
ENE													4.6
E													7.3
ESE													
SE													
SSE													
S													
SSW													6.6
SW													7.2
WSW													7.2
W													5.8
WNW													7.4
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

CLASS

HOURS (L.S.T.): 11

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		•	•									1.[illegible]	[illegible].[illegible]
NNE			•									.[illegible]	1[illegible].[illegible]
NE													
ENE													
E													
ESE			.[illegible]	.[illegible]								1.[illegible]	11.[illegible]
SE													
SSE	•		•									1.[illegible]	[illegible].[illegible]
S				[illegible].[illegible]								2.	1[illegible].[illegible]
SSW			[illegible].[illegible]									3.[illegible]	[illegible].[illegible]
SW		1.	.[illegible]	.9								3.[illegible]	[illegible].[illegible]
WSW	•	[illegible].[illegible]	4.[illegible]	.[illegible]								10.1	6.[illegible]
W	1.	1[illegible].1	1 .1	[illegible].[illegible]								[illegible].[illegible]	7.[illegible]
WNW	•	.[illegible]	[illegible].[illegible]	[illegible].[illegible]								12.[illegible]	7.8
NW	•	[illegible].[illegible]	11.[illegible]	4.								19.[illegible]	[illegible].[illegible]
NNW		.[illegible]	[illegible].7	2.[illegible]								7.[illegible]	1[illegible].[illegible]
VARBL													
CALM												.[illegible]	
	[illegible].[illegible]	[illegible][illegible].7	[illegible][illegible].	[illegible]1.1								1[illegible].[illegible]	[illegible].[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 | 73-74 YEARS | MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

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

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

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 101

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) 11

CONDITION _____

SPEED (KNTS) DIR.	1 - 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 _____

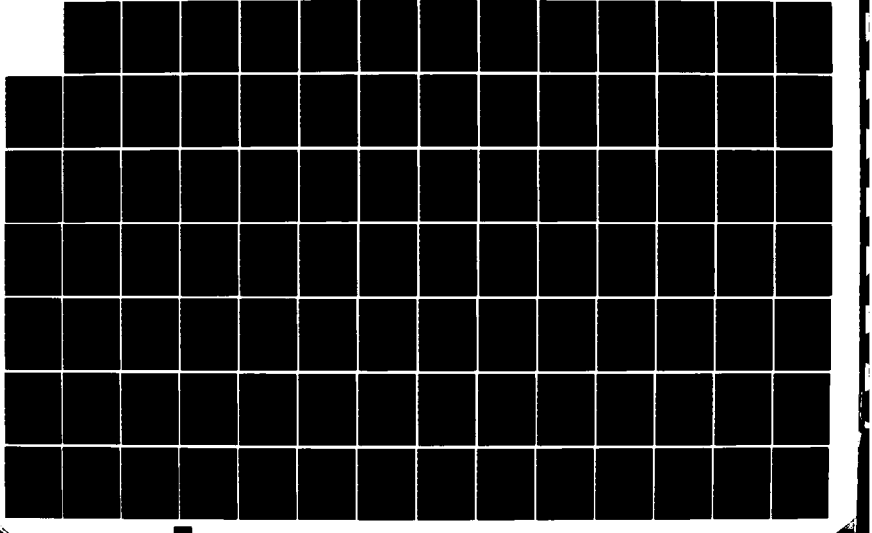
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW				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

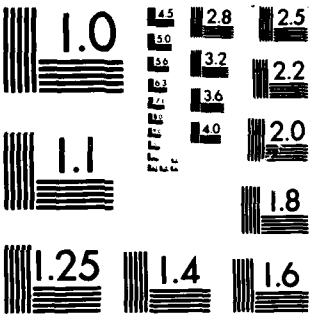
TOTAL NUMBER OF OBSERVATIONS _____

SMOS

AD-A150 395 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED F/G 4/2 NL





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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-74	SEP

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		[illegible]	[illegible]	2.6								10.5	5.8
NNE		[illegible]	[illegible]									5.3	7.5
NE													
ENE													
E			[illegible]									2.6	8.0
ESE													
SE													
SSE	[illegible]											2.6	2.0
S		7.9										7.9	5.0
SSW	[illegible]	[illegible]	2.6									10.5	5.3
SW	[illegible]	2.6										5.3	4.0
WSW	[illegible]	[illegible]	2.6									10.5	4.5
W	2.6	7.9	2.6									13.2	5.4
WNW	[illegible]	7.9										13.2	4.0
NW	[illegible]											5.3	3.0
NNW	2.6	2.6										5.3	4.0
VARBL													
CALM												7.9	
	[illegible]	44.7	18.4	2.6								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 38

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	SEP

CLASS: ALL WEATHE

HOURS (L.S.T.): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.2	2.1	1.5								5.6	7.6
NNE	.3	.6	.7	.3								1.9	7.0
NE	.9	.9	.3									2.1	4.0
ENE	2.1	3.2	.6									7.2	3.9
E	3.1	4.4	.6	.3								8.4	4.5
ESE	1.2	2.1										3.2	4.0
SE	.6	.3	.9									2.3	5.4
SSE	1.2	.6	.3	.6								2.6	5.4
S	.3	2.3	1.7	.6								4.4	6.9
SSW	.6	1.5	1.7	.6								3.8	7.0
SW	.3	2.6	1.5									4.4	5.9
WSW	.6	2.3	2.6	.9								6.5	6.7
W	2.3	5.9	3.8									12.0	5.7
WNW	1.2	4.7	4.4	2.6								12.9	7.7
NW	.3	1.5	4.7	1.5								8.8	7.7
NNW	.6	2.3	3.5	1.5								7.9	7.7
VARBL													
CALM												5.9	
	17.1	37.5	27.5	13.3								100.9	5.9

TOTAL NUMBER OF OBSERVATIONS 341

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]-KING SANDS, HAWAII	73-75,81-82	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 08

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										1.9	3.0
NNE	3.9		1.9									5.8	4.2
NE	4.8	7.7										12.5	4.1
ENE	10.6	7.7										18.3	3.3
E	16.4	2.9										19.2	2.4
ESE	8.7	3.8	1.0									13.5	4.6
SE	4.8	1.9	1.0									7.7	3.9
SSE	5.8	1.0										6.7	1.7
S		1.0	1.0									1.9	7.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												12.5	
	51.0	25.0	4.7									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 104

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]A-WING SANDS, HAWAII	73-75,81-82	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			1.[illegible]	1.[illegible]	1.[illegible]							4.[illegible]	13.0
NNE				1.[illegible]								1.[illegible]	14.0
NE			1.[illegible]									1.[illegible]	9.2
ENE													
E													
ESE													
SE		1.	[illegible]									4.[illegible]	7.8
SSE			1.[illegible]	1.[illegible]								1.[illegible]	11.0
S		[illegible]	2.[illegible]									5.[illegible]	7.0
SSW	1.[illegible]	1.[illegible]	4.[illegible]									7.7	6.9
SW		3.[illegible]	1.[illegible]									5.[illegible]	6.2
WSW	1.	[illegible]	1.[illegible]									5.[illegible]	5.5
W	[illegible]	1[illegible].[illegible]	2.[illegible]	2.[illegible]								20.2	5.9
WNW	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]									14.[illegible]	5.5
NW	[illegible].[illegible]	6.7	4.[illegible]									16.[illegible]	4.9
NNW	1.[illegible]		[illegible].7	1.9								10.[illegible]	7.6
VARBL													
CALM												.[illegible]	
	13.[illegible]	30.4	37.[illegible]	8.7	1.[illegible]							100.[illegible]	6.6

TOTAL NUMBER OF OBSERVATIONS: 184

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	77-79, 81-82	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 14

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]								[illegible]	8.6
NNE		1.[illegible]	1.[illegible]		1.[illegible]							2.[illegible]	11.[illegible]
NE			1.[illegible]									1.[illegible]	10.0
ENE	1.											1.[illegible]	2.0
E	1.[illegible]		1.									1.[illegible]	6.0
ESE		1.[illegible]										1.[illegible]	5.0
SE				1.[illegible]								1.[illegible]	11.[illegible]
SSE		1.[illegible]	1.									4.	9.2
S		2.[illegible]	[illegible].[illegible]	1.9								5.7	9.7
SSW		1.[illegible]	1.[illegible]									2.[illegible]	7.[illegible]
SW	1.	2.[illegible]	1.[illegible]									4.[illegible]	5.6
WSW		1.[illegible]	2.[illegible]	1.[illegible]								6.7	8.4
W		.7	8.7	1.[illegible]								19.2	6.9
WNW		3.7	[illegible].[illegible]	1.[illegible]								19.3	7.2
NW	1.	1.[illegible]	3.[illegible]	1.[illegible]								6.7	7.[illegible]
NNW		4.	[illegible].[illegible]	1.[illegible]								11.[illegible]	7.9
VARBL													
CALM												1.[illegible]	
	[illegible].[illegible]	36.[illegible]	44.[illegible]	12.[illegible]	1.[illegible]							1[illegible].[illegible]	7.[illegible]

TOTAL NUMBER OF OBSERVATIONS: 1[illegible]4

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] BARBS, HAWAII	73-74	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.[illegible]	2.[illegible]	2.[illegible]	2.4								[illegible].[illegible]	7.0
NNE		[illegible].[illegible]										2.[illegible]	4.[illegible]
NE													
ENE													
E													
ESE													
SE	[illegible].0	2.[illegible]										7.1	3.3
SSE		7.1		2.4								[illegible].[illegible]	6.3
S		2.[illegible]	4.[illegible]									7.1	6.7
SSW			2.[illegible]									2.4	[illegible].0
SW	2.[illegible]	4.[illegible]										7.1	4.0
WSW		2.4										2.4	4.0
W	[illegible].1	11.[illegible]										23.[illegible]	4.[illegible]
WNW	4.0	2.[illegible]										7.1	4.0
NW	[illegible].[illegible]	4.[illegible]	2.[illegible]									11.[illegible]	4.4
NNW	2.[illegible]	[illegible].[illegible]										7.1	4.[illegible]
VARBL													
CALM												2.4	
	2.[illegible]	[illegible]2.4	11.[illegible]	4.[illegible]								[illegible]0.[illegible]	4.7

TOTAL NUMBER OF OBSERVATIONS: 42

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SAND, HAWAII	73-75,81-82	OCT

CLASS: ALL WEATHER

CONDITION:

HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	•	1.[illegible]	1.4	.[illegible]							4.[illegible]	[illegible].9
NNE	1.1	.[illegible]	.[illegible]	.[illegible]	.[illegible]							3.1	6.[illegible]
NE	1.[illegible]	2.[illegible]	.[illegible]									4.[illegible]	4.6
ENE	[illegible].4	2.[illegible]										5.6	3.[illegible]
E	[illegible].	1.[illegible]	.[illegible]									6.[illegible]	2.7
ESE	1.[illegible]	2.[illegible]	.[illegible]									4.[illegible]	4.1
SE	[illegible].	•	1.[illegible]	.[illegible]								4.[illegible]	[illegible].4
SSE	[illegible].[illegible]	1.[illegible]	1.4	.6								5.1	5.6
S		[illegible].[illegible]	2.[illegible]	.6								[illegible].6	7.7
SSW	.[illegible]	•	2.[illegible]									3.4	7.[illegible]
SW	•	2.[illegible]	.[illegible]									4.[illegible]	[illegible].6
WSW	•	1.[illegible]	1.[illegible]	.[illegible]								4.[illegible]	6.[illegible]
W	2.[illegible]	[illegible].[illegible]	3.4	1.4								14.4	5.9
WNW	•	[illegible].6	4.[illegible]	.[illegible]								13.[illegible]	6.2
NW	[illegible].[illegible]	3.1	[illegible].	.[illegible]								9.2	[illegible].3
NNW	.[illegible]	2.[illegible]	[illegible].4	1.1								7.[illegible]	7.3
VARBL													
CALM												4.[illegible]	
	2[illegible].[illegible]	[illegible]7.1	27.[illegible]	6.[illegible]	.[illegible]							1[illegible]0.0	5.6

TOTAL NUMBER OF OBSERVATIONS 354

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible] AFB, SAVOY, ILLINOIS | 73-75, 81-82 | NOV
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 00
CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	3.5
NNE	[illegible]	3.3										5.4	3.6
NE	[illegible]	2.2										5.4	3.4
ENE	7.6	7.6		1.1								16.3	4.4
E	14.3	6.5										22.8	3.0
ESE	[illegible]	1.1		2.2	2.2							12.0	7.5
SE	4.3		1.1	1.1								6.5	5.0
SSE	2.2	2.2	4.3									8.7	6.3
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												20.7	
	45.6	27.2	[illegible]	4.3	[illegible]							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 92

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: 73-76, 81-82 | MONTH: NOV

CLASS: ALL WEATHER | HOURS (L.S.T.): 11

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	2.[illegible]	1.1	4.4								10.[illegible]	[illegible].3
NNE	1.1		1.1	2.2								4.4	9.3
NE	1.1											1.1	3.0
ENE													
E		1.1										1.1	[illegible].[illegible]
ESE													
SE		[illegible].[illegible]		1.1								4.4	7.0
SSE			[illegible].[illegible]	[illegible].[illegible]	1.1							[illegible].9	11.3
S	1.1	[illegible].[illegible]	[illegible].[illegible]									[illegible].7	[illegible].3
SSW	1.1		1.1									[illegible].[illegible]	4.5
SW	[illegible].[illegible]	[illegible].[illegible]	1.1									[illegible].7	[illegible].[illegible]
WSW	1.1	[illegible].7		1.1								[illegible].9	[illegible].0
W	[illegible].[illegible]	4.4	[illegible].[illegible]									10.[illegible]	5.4
WNW		[illegible].6	6.7									11.1	7.[illegible]
NW	1.1	[illegible].7	4.4	[illegible].[illegible]								14.4	6.[illegible]
NNW		[illegible].6	[illegible].[illegible]	1.1								10.[illegible]	[illegible].7
VARBL													
CALM												[illegible].[illegible]	
	[illegible].[illegible]	41.1	[illegible].4	[illegible].6	1.1							[illegible].[illegible]	7.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] | STATION NAME: [illegible] | YEARS: 73-75, 81-82 | MONTH: NOV

CLASS: ALL WEATHER | HOURS (L.S.T.): 1a

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	2.3	3.4	.6							13.5	12.8
NNE			1.1		1.1							2.3	13.5
NE													
ENE	1.1											1.1	1.3
E	1.1	1.1										2.3	3.5
ESE													
SE				1.1								1.1	14.0
SSE	1.1		1.1	3.4								5.6	11.6
S	1.1	2.3	4.5	1.1								9.1	8.3
SSW	1.1		1.1									2.3	5.0
SW	1.1		3.4									4.5	7.5
WSW		2.3	6.8	1.1								10.1	7.3
W	1.1	2.3	7.9									16.9	6.3
WNW		1.1	5.6	2.3								12.4	7.6
NW	1.1	1.1	4.5									6.7	7.1
NNW	1.1	1.1	3.4	3.4								11.2	9.7
VARBL													
CALM												1.1	
	12.4	24.7	54.3	19.7	1.7							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 89

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS

CONDITION

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS: 73-75, 81-82 | MONTH: NOV

CLASS: ALL WEATHER

CONDITION

HOURS (L.S.T.): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	1.[illegible]	1.[illegible]	2.3	1.6							[illegible].1	9.9
NNE	.[illegible]	1.[illegible]	.[illegible]	1.[illegible]	.6							[illegible].[illegible]	[illegible].3
NE	.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	3.[illegible]
ENE	.[illegible]	2.1		.[illegible]								[illegible].[illegible]	4.[illegible]
E	.[illegible]	2.[illegible]										7.7	[illegible].[illegible]
ESE	[illegible].[illegible]	.[illegible]		.6	.6							[illegible].[illegible]	7.7
SE	1.[illegible]	1.[illegible]	.[illegible]	1.[illegible]								3.[illegible]	6.[illegible]
SSE	1.[illegible]	1.[illegible]	[illegible].[illegible]	2.3	.3							4.4	[illegible].[illegible]
S	.[illegible]	2.[illegible]	1.[illegible]	.3								[illegible].[illegible]	7.[illegible]
SSW	1.[illegible]		.[illegible]									1.[illegible]	4.[illegible]
SW	1.[illegible]	1.[illegible]	1.[illegible]									[illegible].[illegible]	6.[illegible]
WSW	.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]								6.[illegible]	[illegible].6
W	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]									[illegible].6	[illegible].6
WNW	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	.6								7.4	7.[illegible]
NW	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	.6								7.1	[illegible].6
NNW	.[illegible]	[illegible].3	[illegible].[illegible]	1.3								6.[illegible]	[illegible].1
VARBL													
CALM												[illegible].[illegible]	
	[illegible].[illegible]	1.[illegible]	23.[illegible]	11.6	[illegible].[illegible]							1[illegible].[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS [illegible]21

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	DEC

CLASS: ALL WEATHER

HOURS (L.S.T.): 11

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	5.7								17.2	[illegible]
NNE		1.1			1.1							[illegible]	12.5
NE													
ENE													
E													
ESE		1.1										1.1	[illegible]
SE	1.1		[illegible]	1.1								[illegible]	[illegible]
SSE		[illegible]	[illegible]									[illegible]	[illegible]
S	1.1	[illegible]	[illegible]									[illegible]	[illegible]
SSW	1.1	1.1	[illegible]									[illegible]	[illegible]
SW	1.1	[illegible]	[illegible]	2.3								[illegible]	7.4
WSW	[illegible]	1.1		1.1								[illegible]	[illegible]
W	[illegible]	[illegible]	2.3	2.3								12.6	[illegible]
WNW	1.1	[illegible]	[illegible]	1.1								[illegible]	[illegible]
NW	[illegible]	[illegible]	1.1	2.3	1.1							17.2	[illegible]
NNW	[illegible]	[illegible]		1.1								[illegible]	[illegible]
VARBL													
CALM												1.1	
	[illegible]	[illegible]	24.1	17.2	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]7

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-75, 81-82	DEC

CLASS: ALL WEATHER

HOURS (L.S.T.): 14

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	7.2	[illegible]							[illegible]	11.4
NNE				[illegible]								[illegible]	13.3
NE													
ENE				1.2								1.2	10.0
E													
ESE		1.2										1.2	6.0
SE													
SSE		1.2	2.4	2.4								[illegible]	[illegible]
S				1.2								1.2	11.0
SSW		1.2										1.2	4.0
SW			1.2		1.2							2.4	13.0
WSW		1.2		2.4								3.6	[illegible]
W	1.2	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]	[illegible]	2.4								21.7	[illegible]
NW		[illegible]	[illegible]		1.2							16.1	[illegible]
NNW		[illegible]	1.2	[illegible]								[illegible]	[illegible]
VARBL													
CALM												1.2	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS: 83

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible] | 73-74 | DEC
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	11.1	[illegible]								[illegible]	[illegible]
NNE													
NE													
ENE													
E		[illegible]										[illegible]	[illegible]
ESE													
SE		[illegible]	[illegible]									[illegible]	[illegible]
SSE	[illegible]											[illegible]	[illegible]
S	[illegible]											[illegible]	[illegible]
SSW		[illegible]										[illegible]	[illegible]
SW	[illegible]		[illegible]									[illegible]	[illegible]
WSW		[illegible]										[illegible]	[illegible]
W	[illegible]											[illegible]	[illegible]
WNW	[illegible]											[illegible]	[illegible]
NW	1 [illegible]											[illegible]	[illegible]
NNW	[illegible]	[illegible]										11.1	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	4.7

TOTAL NUMBER OF OBSERVATIONS 36

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: [illegible] | MONTH: DEC

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]	3.1	4.[illegible]	[illegible].[illegible]	.7							15.[illegible]	[illegible].6
NNE	.[illegible]	.[illegible]		1.7	.3							[illegible].1	11.3
NE	.7	1.										1.7	3.4
ENE	[illegible].4	1.[illegible]	.[illegible]	.3								5.[illegible]	4.[illegible]
E	[illegible].4	1.[illegible]										4.[illegible]	[illegible].1
ESE	[illegible].1	1.										3.1	3.[illegible]
SE	1.[illegible]	.[illegible]	[illegible].4	.[illegible]								3.4	5.4
SSE	1.[illegible]	1.	1.7	1.[illegible]								4.[illegible]	6.9
S	.7	1.[illegible]	.[illegible]	.3								[illegible].1	6.1
SSW	.[illegible]	1.[illegible]	.[illegible]									[illegible].1	[illegible].[illegible]
SW	.[illegible]	.[illegible]	1.[illegible]	.7	.3							4.1	[illegible].[illegible]
WSW	.7	1.[illegible]	.7	1.4								4.1	7.[illegible]
W	[illegible].[illegible]	[illegible].4	[illegible].1	.7								7.[illegible]	[illegible].[illegible]
WNW	[illegible].[illegible]	4.1	[illegible].4	1.4								10.3	[illegible].[illegible]
NW	[illegible].	4.1	[illegible].[illegible]	.7	.7							12.	[illegible].[illegible]
NNW	[illegible].7	[illegible].[illegible]	.7	[illegible].1								6.[illegible]	6.[illegible]
VARBL													
CALM												7.[illegible]	
	[illegible].4	[illegible].4	1[illegible].[illegible]	[illegible].1	[illegible].1							[illegible]00.[illegible]	6.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] | [illegible] | 73-76,81-82 | ALL
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	•	1.[illegible]	2.1	2.4	.7	•						7.7	10.4
NNE	•	•	•	1.2	•	•						[illegible]	10.3
NE	1.	1.	•	.1								2.7	4.5
ENE	2.	1.	•	.1								4.3	3.7
E	•	2.	.1	•								5.3	3.4
ESE	1.	1.1	•	•	.1	•						3.1	4.9
SE	1.1	•	•	.7	.3							3.4	6.5
SSE	1.	1.1	1.	1.	.1	•						4.5	7.7
S	•	1.	1.	1.1	.2							4.9	8.5
SSW	•	.7	1.1	.3	.3							2.6	7.1
SW	•	1.	1.	•	.0							3.	6.5
WSW	•	2.	1.	.5	.1	•						5.7	6.5
W	1.	4.	3.	.9	.1	•						12.4	6.2
WNW	1.	4.	3.	.9								10.	5.4
NW	1.	4.	3.	.9	.5							10.	6.6
NNW	1.	2.	3.	1.1	.1							8.4	7.2
VARBL													
CALM												6.7	
	1[illegible]	34.1	25.5	11.7	2.9	•						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 4302

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible]	73-75,81-82	ALL	ALL

INSTRUMENT
CLASS

CIG [illegible] TO 1400 FT AND/OR VSBY 1/2 MI OR MORE,
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI AND/OR CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			[illegible]			[illegible]						6.7	15.5
NNE			[illegible]	6.7								10.0	11.3
NE													
ENE													
E	[illegible]											3.3	7.5
ESE			[illegible]			[illegible]						13.3	14.0
SE			[illegible]	[illegible]								6.7	11.5
SSE		[illegible]	[illegible]	13.3								10.0	11.2
S		[illegible]	[illegible]									6.7	9.0
SSW	[illegible]											3.3	3.0
SW				[illegible]								3.3	16.0
WSW													
W			[illegible]		[illegible]							6.7	13.5
WNW													
NW	[illegible]	[illegible]	6.7		.7							10.0	10.0
NNW													
VARBL													
CALM												[illegible]	
	13.0	10.0	32.3	26.7	10.0	6.7						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

NOCD, Federal Building

Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500																92.6
≥ 1200 ≥ 1000					91.0											
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400																98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0				95.4	96.9				97.4							
									98.3							100.0

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

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

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

PART D

ADDITIONAL EXAMPLES

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

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

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

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

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

PART D SKY COVER

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

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

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

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

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

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

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

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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

H-4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

H4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H 4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H 4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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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	≥ 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) 14

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 11[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

ALL
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
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																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
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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) 11

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 _____

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

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 4

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

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 SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH APR

HOURS (L S T) 23

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

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

4

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17
HOURS (L S T)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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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	≥ ⅜	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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< 400 ≥ 300 < 200																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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 SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

4

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 1

DIRNAVOCEANMET SMOS

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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) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H 4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
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< 7000 ≥ 5000																
< 5000 ≥ 4000																
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< 2000 ≥ 1500																
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< 800 ≥ 600																
< 600 ≥ 400																
< 400 ≥ 200																
< 200 ≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H 4

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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0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH J

HOURS (L S T) 17

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 SMOS

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

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 SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

11
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	≥ 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) 17

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 DET CHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

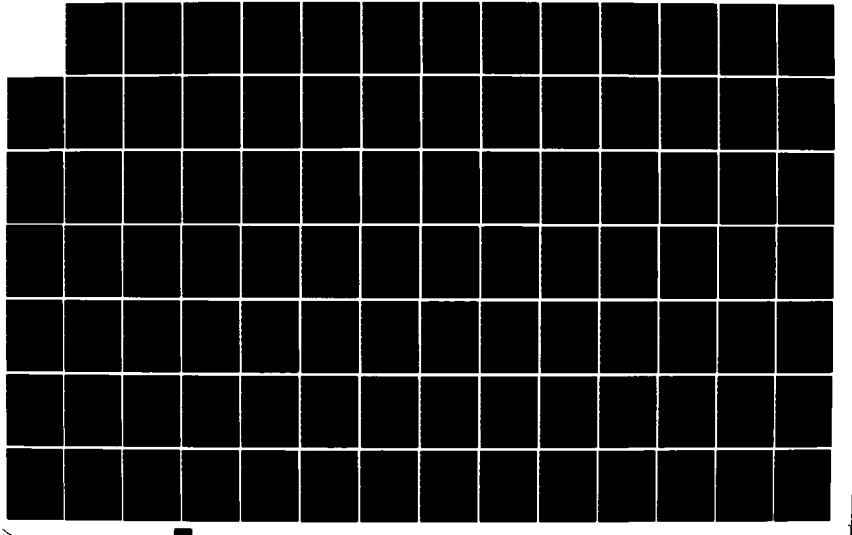
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000																
< 20000 ≥ 18000 < 16000																
< 16000 ≥ 14000 < 12000																
< 12000 ≥ 10000 < 9000																
< 9000 ≥ 8000 < 7000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

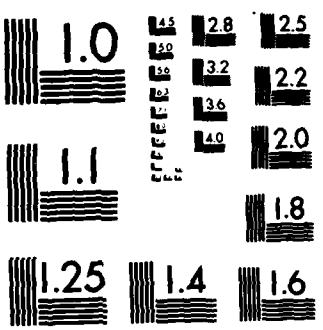
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD-A150 395 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

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 SEP

HOURS (L S T.) 05

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
< 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 101

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-75,81-82	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 20000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 18000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 16000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 14000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 12000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 10000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 9000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 8000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	73-74	[illegible]

HOURS (L S T) 17

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	57.9	57.9	57.9	57.9	57.9	[illegible]	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4500	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PHJR | KAILUA-KONA, HAWAII | | SEP
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH Sep

HOURS (L S T) 23

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS 341

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 18000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 16000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 14000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 12000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 10000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 8000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 7000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 6000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 42

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

HOURS (L S T) 20

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME MCAS KANEOHE BAY, HAWAII YEARS _____ MONTH OCT

HOURS (L S T) 23

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-75, 81-82 MONTH OCT

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
≥ 14000	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ 12000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ 10000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ 9000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
≥ 8000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
≥ 7000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
≥ 6000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
≥ 5000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 4500	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
≥ 4000	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
≥ 3500	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
≥ 3000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 2500	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
≥ 2000	8.6	8.6	8.6	8.6	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
≥ 1800	8.6	8.6	8.6	8.6	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
≥ 1500	8.6	8.6	8.6	8.6	8.6	8.9	8.9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
≥ 1200	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
≥ 1000	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 900	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 800	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 700	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 600	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 500	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 400	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 300	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 200	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 100	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
0	8.6	8.6	8.6	8.6	8.6	8.9	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH NOV

HOURS (L S T) 02

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH NOV

HOURS (L S T) 05

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

J 4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 11

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

NOV

HOURS (L S T)

17

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) 23

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

HOURS (L S T) 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 73-75, 81-82 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS 7

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H-4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

HOURS (L S T) 21

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H 4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH ALL

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

SKY COVER

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

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	[illegible]													
	[illegible]													
	[illegible]	[illegible]			[illegible]						12.9	[illegible]	[illegible]	132
	11	[illegible]			[illegible]						12.9	36.6	[illegible]	132
	14	[illegible]			35.9						16.8	[illegible]	6.8	131
	17	[illegible]			[illegible]						12.9	71.0	[illegible]	93
	[illegible]													
	23													
TOTALS		[illegible]			[illegible]						13.9	[illegible]	[illegible]	489

NAVWEASERVCOM

SKY COVER

22 01	PA[illegible] SANDS, HAWAII	73-76,81-82	FEB
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	[illegible]													
	[illegible]													
	[illegible]	19.6			25.2						19.6	35.7	5.1	143
	11	14.[illegible]			28.4						20.6	36.2	5.3	141
	14	18.7			30.7						22.1	36.4	5.6	140
	17	19.			21.4						17.9	41.7	5.4	94
	[illegible]													
	[illegible]													
TOTALS		16.1			26.4						20.1	37.5	5.4	576

4

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	75-76,81-82	MAR

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]													
	[illegible]													
	[illegible]	1[illegible].9			2[illegible].5						15.3	45.3	6.7	137
	11	[illegible].3			32.1						15.3	43.8	6.7	137
	14	5.2			29.6						13.5	45.9	7.1	135
	17	1[illegible].1			16.1						8.6	69.2	7.3	93
	[illegible]													
	2[illegible]													
TOTALS		11.			2[illegible].8						14.4	48.9	7.0	502

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SKY COVER

STATION [illegible] STATION NAME [illegible] PERIOD 73-75,81-82 MONTH [illegible]

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]													
	[illegible]													
	[illegible]	[illegible]			[illegible]						16.0	35.2	[illegible]	125
	11	[illegible]			[illegible]						[illegible]	[illegible]	7.1	[illegible]
	14	7.7			33.0						23.6	38.2	[illegible]	127
	17	[illegible]			27.2						14.5	52.4	7.3	[illegible]
	[illegible]													
	[illegible]													
TOTALS		[illegible]			[illegible]						[illegible]	40.7	[illegible]	[illegible]

4

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible] 01	[illegible] SAMOA, [illegible]AII	73-75,81-82	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	[illegible]													
	[illegible]													
	[illegible]	17.[illegible]			3[illegible].0						17.1	2[illegible].0	[illegible].3	1[illegible]
	11	[illegible].9			3[illegible].[illegible]						26.9	25.2	[illegible].1	1[illegible]
	1[illegible]	1[illegible].7			23.[illegible]						36.[illegible]	29.[illegible]	7.[illegible]	1[illegible]
	17	[illegible].4			24.1						[illegible].7	45.[illegible]	7.[illegible]	[illegible]3
	[illegible]													
	[illegible]													
TOTALS		11.			31.3						25.6	31.[illegible]	[illegible].[illegible]	4[illegible]1

NAVWEASERVCOM

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible] KANEOHE BAY, HAWAII	73-75,81-82	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	0													
	3													
	6	17.2			25.4						17.9	39.6	6.1	134
	11	4.5			33.8						25.6	36.1	6.9	133
	14	5.3			29.3						25.6	39.8	7.2	133
	17	7.9			16.7						22.2	53.3	7.8	90
	20													
	23													
TOTALS		7.7			27.1						22.8	41.5	7.0	490

4

SKY COVER

91 01	PEARING SANDS, HAWAII	73-75,81-92	JUL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	[illegible]													
	[illegible]													
	[illegible]	36.6			20.3						14.6	19.5	4.1	123
	11	13.[illegible]			39.[illegible]						25.2	22.0	5.6	123
	14	7.[illegible]			46.[illegible]						24.2	22.6	[illegible].8	124
	17	14.5			27.4						17.7	40.3	6.5	62
	[illegible]													
	23													
TOTALS		19.[illegible]			35.4						20.4	26.0	[illegible].5	432

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SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	73-75,81-82	AUG

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]													
	[illegible]													
	[illegible]	27.4			27.[illegible]						13.9	27.9	[illegible].4	176
	11	19.[illegible]			33.2						20.[illegible]	25.4	[illegible].0	176
	14	13.6			31.7						27.[illegible]	27.8	[illegible].2	176
	17	11.3			17.7						27.4	43.5	7.8	[illegible]
	[illegible]													
	23													
TOTALS		19.[illegible]			26.7						25.7	31.1	[illegible].3	[illegible]

SKY COVER

12:01 STATION | SA[illegible]KING SANDS, HAWAII STATION NAME | 73-75,81-82 PERIOD | [illegible] MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]													
	[illegible]													
	05	25.2			33.1						14.5	27.2	5.1	131
	11	17.3			42.7						13.3	26.7	5.6	131
	14	9.4			35.9						22.9	32.8	6.4	131
	17	2.2			14.4						16.7	66.7	8.6	90
	[illegible]													
	23													
TOTALS		13.[illegible]			31.3						14.1	39.6	6.4	483

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SKY COVER

22101 | BARKING SANDS, KAUAI | 73-75,81-82 | OCT

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	02													
	05													
	08	24.6			32.9						12.7	29.9	5.1	134
	11	19.4			37.3						14.2	29.1	5.3	134
	14	17.4			34.3						20.9	31.3	6.0	134
	17	17.4			18.3						7.5	53.4	7.6	93
	20													
	23													
TOTALS		17.1			33.7						13.5	38.4	6.2	405

SKY COVER

[illegible]	BANYAN SANDS, HAWAII	73-75,81-82	NOV
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	[illegible]													
	[illegible]													
	[illegible]	[illegible]			32.4						13.7	33.3	[illegible]	1[illegible]2
	11	1[illegible]			32.[illegible]						24.0	32.0	[illegible].3	1[illegible]
	14	[illegible].1			32.3						16.2	43.4	6.8	99
	17	10.[illegible]			18.4						16.[illegible]	55.1	7.5	49
	[illegible]													
	23													
TOTALS		12.[illegible]			20.[illegible]						17.6	41.0	[illegible].5	3[illegible]0

4

SKY COVER

2201	[illegible] SANDS, HAWAII	73-75, 81-82	DEC
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	[illegible]													
	[illegible]													
	[illegible]	27.[illegible]			2[illegible].3						15.2	31.[illegible]	[illegible].3	[illegible]9
	11	2[illegible].[illegible]			30.0						16.[illegible]	29.[illegible]	[illegible].2	1[illegible]0
	14	13.[illegible]			33.3						26.[illegible]	27.1	6.1	[illegible]6
	17	22.[illegible]			16.[illegible]						16.[illegible]	44.[illegible]	[illegible].5	[illegible]3
	[illegible]													
	23													
TOTALS		[illegible]2.[illegible]			2[illegible].4						18.9	32.9	[illegible].9	345

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SKY COVER

STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

NAVWEASERVCOM

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

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

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

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

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

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

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

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

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

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

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

DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

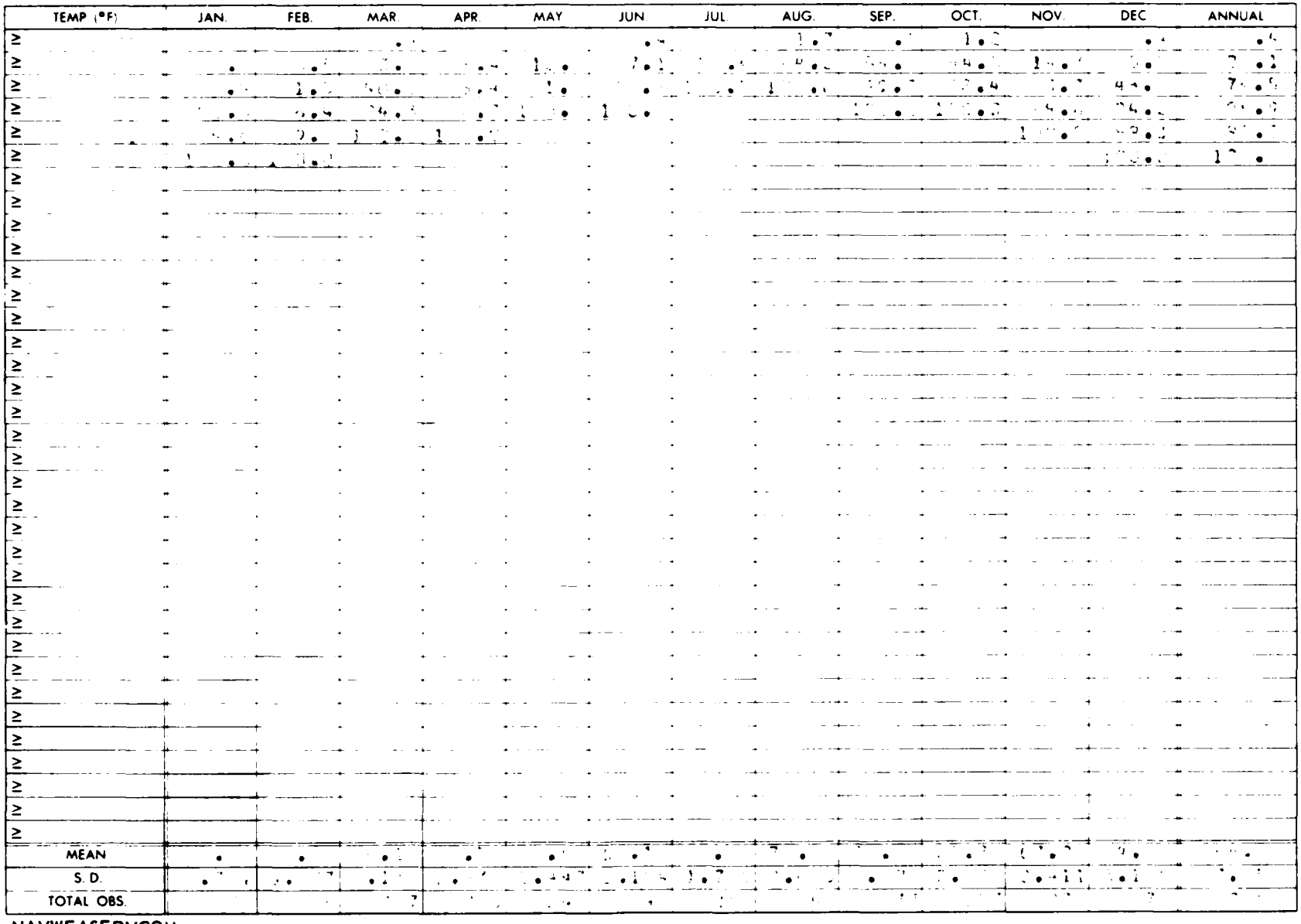
TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN													
S. D.													
TOTAL OBS.													

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DAILY TEMPERATURES

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)



NAVWEASERVCOM

DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1												
2												
3												
4												
5												
6												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Monthly												

*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
1												
2												
3												
4												
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21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Monthly												

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS 1948-1976 19[illegible]-19[illegible] MONTH [illegible]

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	22.3	[illegible]	27.[illegible]	[illegible]	[illegible]	1972	63.4	17.4	[illegible]	14.4	1965
2	[illegible]	22.2	[illegible].1	26.7	[illegible]	[illegible]	1971*	63.7	17.6	[illegible]	15.[illegible]	1969
3	[illegible]	22.[illegible]	[illegible].2	26.[illegible]	[illegible]	28.[illegible]	1973	63.[illegible]	17.7	[illegible]	16.7	197[illegible]
4	71.1	21.7	79.6	26.4	[illegible]	29.[illegible]	1973	62.[illegible]	16.6	[illegible]	15.[illegible]	1973
5	71.4	21.[illegible]	[illegible].9	26.1	81	27.[illegible]	1971*	63.[illegible]	17.7	[illegible]	15.[illegible]	1962
6	71.[illegible]	22.1	[illegible].6	27.[illegible]	[illegible]	28.[illegible]	1974*	62.7	17.1	[illegible]	15.[illegible]	1968
7	71.[illegible]	21.[illegible]	[illegible].2	26.[illegible]	[illegible]	30.[illegible]	1973	62.7	17.1	[illegible]	12.[illegible]	1968
8	71.[illegible]	21.9	[illegible].3	26.[illegible]	[illegible]	31.[illegible]	1973	62.[illegible]	16.[illegible]	[illegible]	15.[illegible]	1972
9	71.4	21.9	[illegible].2	26.[illegible]	[illegible]	29.[illegible]	1973*	63.6	17.[illegible]	[illegible]	13.[illegible]	1972
10	72.[illegible]	22.4	[illegible].6	27.[illegible]	[illegible]	27.[illegible]	1971	64.[illegible]	17.[illegible]	[illegible]	15.6	1969
11	72.[illegible]	22.6	79.9	26.[illegible]	[illegible]	27.[illegible]	1974*	65.[illegible]	18.6	[illegible]	16.[illegible]	1965
12	72.[illegible]	22.[illegible]	[illegible].9	27.[illegible]	[illegible]	29.[illegible]	1971	64.4	18.[illegible]	61	15.1	197[illegible]
13	72.[illegible]	22.[illegible]	[illegible].5	26.[illegible]	[illegible]	28.[illegible]	1973*	65.[illegible]	18.[illegible]	60	15.[illegible]	197[illegible]
14	72.1	22.[illegible]	79.6	26.4	[illegible]	28.[illegible]	1971	66.6	19.[illegible]	[illegible]	15.7	197
15	72.[illegible]	22.3	[illegible].2	26.[illegible]	[illegible]	29.[illegible]	1973	64.[illegible]	17.[illegible]	[illegible]	15.6	1969
16	72.[illegible]	22.[illegible]	[illegible].[illegible]	27.[illegible]	[illegible]	28.[illegible]	1971	63.[illegible]	17.7	[illegible]	15.[illegible]	1970
17	72.[illegible]	22.6	[illegible].1	26.7	[illegible]	31.[illegible]	1973	65.1	18.4	61	16.1	1972
18	72.[illegible]	22.4	[illegible].6	27.[illegible]	[illegible]	29.[illegible]	1969	64.[illegible]	17.[illegible]	[illegible]	15.6	197[illegible]
19	72.7	22.6	[illegible].4	27.4	[illegible]	28.[illegible]	1974*	64.1	17.[illegible]	[illegible]	15.6	1969
20	72.[illegible]	22.3	[illegible].6	27.[illegible]	[illegible]	[illegible].[illegible]	1973	63.7	17.6	[illegible]	15.[illegible]	1970
21	[illegible].7	23.2	[illegible].2	27.[illegible]	[illegible]	31.[illegible]	1969	65.1	18.[illegible]	[illegible]	15.6	1965
22	[illegible].4	22.[illegible]	1.4	27.4	[illegible]	[illegible].[illegible]	1969	65.4	18.[illegible]	[illegible]	16.7	1975*
23	[illegible].[illegible]	22.7	[illegible].[illegible]	27.[illegible]	[illegible]	29.[illegible]	1971	65.[illegible]	18.[illegible]	[illegible]	15.[illegible]	1969
24	[illegible].[illegible]	22.2	1.[illegible]	27.[illegible]	[illegible]	28.[illegible]	1973*	63.[illegible]	17.[illegible]	[illegible]	15.6	1973
25	71.[illegible]	21.[illegible]	79.1	26.[illegible]	[illegible]	28.[illegible]	1973	63.[illegible]	17.[illegible]	[illegible]	15.6	1973*
26	71.7	22.1	79.7	26.5	[illegible]	27.[illegible]	1971*	63.[illegible]	17.[illegible]	[illegible]	14.4	1969
27	72.[illegible]	22.[illegible]	79.[illegible]	26.[illegible]	[illegible]	28.[illegible]	1973	64.7	18.[illegible]	[illegible]	16.7	197[illegible]
28	71.[illegible]	22.[illegible]	79.[illegible]	25.[illegible]	[illegible]	28.[illegible]	1973	64.[illegible]	18.[illegible]	61	16.1	1969
29	71.2	21.[illegible]	79.1	26.[illegible]	[illegible]	28.[illegible]	1973	64.2	17.9	61	16.1	1972*
30	71.[illegible]	21.[illegible]	79.[illegible]	26.[illegible]	[illegible]	28.[illegible]	1973	63.6	17.6	[illegible]	14.4	1968
31	[illegible].[illegible]	22.[illegible]	[illegible].[illegible]	26.[illegible]	[illegible]	28.[illegible]	1973*	64.2	17.9	[illegible]	15.[illegible]	1972
Monthly	[illegible].[illegible]	22.3	[illegible].7	25.[illegible]	[illegible]	[illegible].[illegible]	1973*	64.1	17.8	[illegible]	12.[illegible]	1963

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS 1948-1975 1982-1992 MONTH APRIL

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	22.9	[illegible]	26.[illegible]	[illegible]	[illegible]	197[illegible]	65.2	18.[illegible]	[illegible]1	16.1	1972
2	[illegible]	22.9	[illegible]	27.[illegible]	[illegible]	[illegible]	1978	66.[illegible]	18.9	[illegible]	15.6	1[illegible]
3	[illegible]	23.4	[illegible]	27.2	[illegible]	[illegible]	1971	66.6	19.2	[illegible]	15.6	1969
4	[illegible]	[illegible]	[illegible]	26.4	[illegible]	[illegible]	1976	66.[illegible]	19.[illegible]	[illegible]	16.7	197[illegible]
5	[illegible]	[illegible]	[illegible]	26.5	[illegible]	[illegible]	1971	66.2	19.[illegible]	[illegible]	15.6	1969
6	[illegible]	23.[illegible]	[illegible]	27.[illegible]	[illegible]	[illegible]	1974	66.1	18.9	[illegible]	16.7	1971[illegible]
7	[illegible]	22.[illegible]	[illegible]	27.2	[illegible]	[illegible]	1974*	65.[illegible]	18.[illegible]	[illegible]	15.6	1969
8	[illegible]	23.1	1.7	27.6	[illegible]	[illegible]	1974	65.5	18.6	[illegible]	14.4	1967
9	[illegible]	23.[illegible]	[illegible]	27.[illegible]	[illegible]	[illegible]	1974	67.[illegible]	19.4	[illegible]	16.7	1959
10	[illegible]	23.3	[illegible]1.9	27.7	[illegible]	[illegible]	1974	65.9	18.8	[illegible]	16.7	1972
11	[illegible]	22.8	[illegible]1.1	27.3	[illegible]	[illegible]	1977[illegible]	65.1	18.4	[illegible]	14.7	1972*
12	[illegible]	23.[illegible]	[illegible]	27.8	[illegible]	[illegible]	1969	66.7	19.3	[illegible]	17.6	1971*
13	[illegible]	23.[illegible]	[illegible]	28.1	[illegible]	[illegible]	1973	65.4	18.1	[illegible]	16.7	1969
14	[illegible]	22.9	[illegible]1.2	27.3	[illegible]	[illegible]	1974	65.[illegible]	18.4	[illegible]	15.[illegible]	1977
15	[illegible]	23.3	[illegible]2.2	27.[illegible]	[illegible]	[illegible]	1974*	65.7	18.7	[illegible]	16.7	1972
16	[illegible]	23.[illegible]	[illegible]3.1	28.4	[illegible]	[illegible]	1971	66.5	19.2	[illegible]	17.2	1968
17	[illegible]	23.[illegible]	[illegible]	27.6	[illegible]	[illegible]	1973	66.[illegible]	18.9	[illegible]	17.2	197[illegible]
18	[illegible]	23.6	[illegible]	28.1	[illegible]	[illegible]	1975*	66.2	18.[illegible]	[illegible]	17.8	197[illegible]
19	[illegible]	23.7	[illegible]	27.6	[illegible]	[illegible]	1971	67.1	19.5	[illegible]	17.[illegible]	1975
20	[illegible]	23.4	[illegible]1.7	27.6	[illegible]	[illegible]	1973*	66.5	19.2	[illegible]	17.2	1974
21	[illegible]	23.[illegible]	[illegible]	27.6	[illegible]	[illegible]	1973	65.9	18.8	[illegible]	16.7	1967
22	[illegible]	23.[illegible]	1.6	27.6	[illegible]	[illegible]	1975	65.[illegible]	18.4	[illegible]	17.2	1982
23	[illegible]	22.4	[illegible].2	26.[illegible]	[illegible]	[illegible]	197[illegible]	64.5	18.1	[illegible]	14.4	1968
24	[illegible]	22.4	[illegible].4	26.[illegible]	[illegible]	[illegible]	1974*	64.4	18.[illegible]	[illegible]	15.6	1967
25	[illegible]	22.[illegible]	[illegible].6	27.[illegible]	[illegible]	[illegible]	1971	64.4	18.0	[illegible]0	15.6	1972
26	[illegible]	[illegible]	[illegible]1.1	27.[illegible]	[illegible]	[illegible]	1971	65.[illegible]	18.[illegible]	[illegible]0	15.6	1972
27	[illegible]	22.9	1.7	27.6	[illegible]	[illegible]	1974*	64.7	18.2	[illegible]	15.6	1972
28	[illegible]	23.[illegible]	2.[illegible]	27.9	[illegible]	[illegible]	1971	64.7	18.2	[illegible]2	16.7	1977[illegible]
29	[illegible]	23.1	[illegible]1.6	27.6	[illegible]	[illegible]	1974*	65.[illegible]	18.6	[illegible]	16.7	1977
30	[illegible]	22.9	[illegible]2.[illegible]	27.[illegible]	[illegible]	[illegible]	1971	64.[illegible]	18.1	[illegible]1	16.1	1977
31												
Monthly	[illegible]	23.1	[illegible]1.4	27.4	[illegible]	[illegible]	197[illegible]	65.7	18.7	[illegible]	14.4	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	23.1	[illegible].9	27.7	[illegible]	[illegible].7	1974*	65.3	18.5	62	16.7	1963
2	73.5	23.2	[illegible].4	28.0	[illegible]	[illegible].3	1973*	65.3	18.4	61	16.1	1963
3	74.[illegible]	23.4	[illegible].4	28.[illegible]	[illegible]	[illegible].3	1971*	66.[illegible]	19.9	61	16.1	1972
4	74.[illegible]	23.7	[illegible].7	28.2	[illegible]	33.[illegible]	1973	66.4	19.1	62	16.7	1969
5	74.7	23.7	82.1	27.8	[illegible]7	30.[illegible]	1973	67.4	19.7	61	16.1	1975
6	75.1	23.9	[illegible]2.7	28.2	[illegible]	3[illegible].[illegible]	1971	67.5	19.7	[illegible]4	17.9	1969
7	74.[illegible]	23.[illegible]	[illegible].5	28.1	[illegible]	29.4	1971	67.3	19.6	[illegible]4	17.8	1973
8	[illegible]	23.1	1.9	27.7	[illegible]	33.[illegible]	1974	65.4	18.6	[illegible]3	17.2	1975*
9	74.1	23.4	81.9	27.7	[illegible]3	29.4	1970	66.4	19.1	[illegible]4	17.9	1975*
10	74.4	23.6	81.6	27.6	[illegible]2	[illegible].[illegible]	1971*	67.1	19.5	[illegible]3	17.2	1973
11	74.1	23.4	[illegible]1.1	27.3	[illegible]1	28.[illegible]	1971*	67.[illegible]	19.4	[illegible]4	17.9	1975
12	74.[illegible]	23.4	[illegible]2.1	27.8	[illegible]4	29.[illegible]	1971*	66.4	19.1	[illegible]2	17.2	1975
13	74.4	23.6	81.9	27.7	[illegible]4	29.[illegible]	1973*	66.[illegible]	19.4	[illegible]4	17.[illegible]	1969
14	74.4	23.6	[illegible]2.5	28.1	[illegible]7	41.[illegible]	1974	66.4	19.1	[illegible]4	17.9	1975
15	74.[illegible]	23.3	[illegible]2.2	27.9	[illegible]4	33.[illegible]	1971	65.9	18.8	[illegible]3	17.2	1969
16	74.4	23.6	[illegible]2.4	28.[illegible]	[illegible]6	30.[illegible]	1971	66.5	19.2	[illegible]2	16.7	1969
17	74.[illegible]	23.[illegible]	[illegible]2.4	28.[illegible]	[illegible]4	28.[illegible]	1971*	67.5	19.7	[illegible]5	17.[illegible]	1973*
18	74.[illegible]	23.3	1.7	27.6	[illegible]3	28.[illegible]	1971*	66.2	19.[illegible]	[illegible]4	17.8	1971
19	74.[illegible]	23.3	[illegible]2.4	28.[illegible]	[illegible]7	30.[illegible]	1971	65.6	18.7	[illegible]2	16.7	1972
20	74.3	23.5	[illegible]2.6	28.1	[illegible]5	29.4	1971	66.[illegible]	18.9	[illegible]1	16.1	1971
21	74.[illegible]	23.7	[illegible]2.6	28.1	[illegible]3	29.4	1971	66.5	19.2	[illegible]5	15.9	1973*
22	74.[illegible]	23.7	[illegible]2.7	28.2	[illegible]6	29.4	1969	66.5	19.2	[illegible]5	16.3	1973*
23	74.7	23.7	[illegible]3.[illegible]	2[illegible].3	[illegible]4	3[illegible].[illegible]	1971*	66.4	19.1	[illegible]4	17.8	1973
24	75.1	23.9	[illegible]4.1	27.8	[illegible]5	30.[illegible]	1971	68.[illegible]	20.[illegible]	[illegible]4	17.8	1977
25	74.5	23.7	[illegible]2.7	28.2	[illegible]3	29.4	1971	66.5	19.2	[illegible]5	13.3	1977*
26	74.[illegible]	23.[illegible]	[illegible]2.4	28.[illegible]	[illegible]7	3[illegible].[illegible]	1971	66.4	19.1	[illegible]2	16.7	1977
27	74.5	23.6	83.2	28.4	[illegible]3	3[illegible].[illegible]	1975*	66.4	19.1	[illegible]4	17.8	1977
28	74.[illegible]	23.[illegible]	[illegible]3.[illegible]	28.[illegible]	[illegible]8	3[illegible].[illegible]	1971	66.[illegible]	19.[illegible]	[illegible]3	17.[illegible]	1962
29	[illegible].[illegible]	24.1	[illegible]3.[illegible]	28.[illegible]	[illegible]8	3[illegible].[illegible]	1971	67.7	19.8	[illegible]1	15.3	1962
30	[illegible].6	24.2	[illegible]3.9	28.[illegible]	[illegible]8	3[illegible].[illegible]	1971	68.[illegible]	[illegible].2	[illegible]5	18.3	1963
31	75.[illegible]	24.[illegible]	[illegible]3.1	28.4	[illegible]7	30.[illegible]	1971	67.5	19.7	[illegible]4	17.8	1977
Monthly	74.[illegible]	23.[illegible]	[illegible]2.4	28.[illegible]	8[illegible]	1.[illegible]	1971	66.[illegible]	19.[illegible]	[illegible]1	16.1	1957*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

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ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1							1971					
2							1971					
3							1971*					
4							1969					
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6							1969					
7							1971					
8							1971*					
9							1971					
10							1982*					
11							1971					
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17							1971					
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31												
Monthly							1969					

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DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1												
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25							1962*					
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31							1971*					
Monthly												

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
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DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

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

*ALSO ON EARLIER YEARS

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ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION | STATION NAME | YEARS | MONTH

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

*ALSO ON EARLIER YEARS

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ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1			.7	27.1			1971	65.				
2			7.4	26.			1971	67.4				
3			.2	27.1			1971	67.				
4			.9	27.			1971	64.				
5			.8	27.1			1971	63.				
6			.7	27.1			1971	66.4				
7			.1	26.7			1971	67.4				
8			7.4	26.			1971	66.				
9			.1	26.7			1971	61.1				
10			79.3	26.			1971	63.7				
11			.6	27.1			1971*	64.4				
12			7.2	26.			1970	63.				
13			.4	26.			1970	64.3				
14			1.2	27.			1971	64.1				
15			7.7	26.			1971	63.3				
16			7.6	26.			1971	64.				
17			7.6	25.			1971	65.				
18			7.	26.			1971*	64.				
19			7.	25.			1970	64.				
20			7.4	26.			1971	61.				
21			7.4	26.			1971	61.				
22			.1	26.			1971	64.				
23			79.3	26.			1970	64.				
24			79.6	26.			1969	63.				
25			.1	25.			1971	63.				
26			79.	26.			1970	63.				
27			7.1	26.			1970	62.4				
28			7.6	25.			1971	61.				
29			7.8	26.			1971*	61.				
30			79.	26.			1970	62.				
31			7.	25.			1971	61.				
Monthly			78.7	26.			1971*	64.				

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

[illegible] TEMPERATURE [illegible]
(FROM DAILY OBSERVATIONS)

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

[illegible] DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]			7	94	6	91	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	
[illegible]	[illegible]	[illegible]	3	[illegible]	5	[illegible]	6		7	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	86	77	83	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	3	[illegible]	3	[illegible]	4	[illegible]	[illegible]	7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		7	87	7	[illegible]	[illegible]				[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4	[illegible]	[illegible]	[illegible]	6	[illegible]	7	[illegible]	[illegible]		[illegible]	[illegible]	
[illegible]	79	[illegible]											
[illegible]		[illegible]	4	[illegible]	4	7	7	[illegible]		3	[illegible]	[illegible]	
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.677	[illegible]	[illegible]	
TOTAL OBS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

(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] | [illegible] | [illegible]

STATION | STATION NAME | YEARS

[illegible]
[illegible]

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

SMOS

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

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

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 _____

HOURS (L.S.T.) _____

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

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 _____

HOURS (L S T)

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

Element (X)	ΣX^2	ΣX	$\overline{X}$	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 _____

HOURS (L.S.T.) _____

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

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

HOURS (L S T)

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

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

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PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

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

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

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

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

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

HOURS (L S T)

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

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												

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

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

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						≤ 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 _____

HOURS (L S T)

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

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						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH

HOURS (L S T)

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

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

HOURS (L S T)

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

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						≤ 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

HOURS (L.S.T.)

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

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

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MEANS AND STANDARD DEVIATIONS

[illegible] TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] STATION | [illegible] STATION NAME | 73-76,81-82 YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ALL HOURS	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

[illegible] HOURLY OBSERVATION

[illegible] STATION NAME [illegible] YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC.	ANNUAL
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	S. D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] | [illegible] SANDS, HAWAII | 73-76,81-82

STATION | STATION NAME | YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	[illegible]	51.4	59.7	59.6	61.[illegible]	61.[illegible]	61.9	62.0	62.7	63.7	61.8	59.[illegible]	61.1
	S. D.	[illegible]	4.171	4.6[illegible]	3.833	2.0[illegible]	2.588	3.529	3.[illegible]59	3.510	3.358	3.326	3.761	4.067
	TOTAL OBS	[illegible]	69	92	[illegible]	[illegible]1	[illegible]2	62	61	58	59	[illegible]	61	694
	MEAN	[illegible]	59.[illegible]	[illegible]	59.5	6[illegible]	61.5	61.3	61.9	61.5	63.6	62.6	59.2	60.7
	S. D.	[illegible]	3.[illegible]48	4.599	3.549	2.3[illegible]	2.811	3.641	2.701	3.357	3.007	3.450	4.000	3.997
	TOTAL OBS	[illegible]	67	92	[illegible]	1	52	62	61	58	59	[illegible]3	[illegible]2	683
	MEAN	[illegible]2.[illegible]	60.[illegible]	61.3	62.[illegible]	64.[illegible]	65.[illegible]	65.5	66.8	65.[illegible]	66.3	64.9	62.9	63.[illegible]
	S. D.	4.977	4.[illegible]77	4.751	3.893	2.924	3.440	3.605	3.780	3.514	3.326	4.399	4.583	4.552
	TOTAL OBS	1[illegible]1	13[illegible]	137	123	1[illegible]	[illegible]32	123	126	1[illegible]	132	102	93	1491
	MEAN	[illegible]	62.2	61.[illegible]	63.1	64.[illegible]	65.1	65.9	67.[illegible]	67.6	67.6	66.[illegible]	64.1	65.[illegible]
[illegible]1	S. D.	[illegible].910	4.[illegible]02	4.756	3.601	2.679	2.773	2.6[illegible]8	2.661	2.645	2.663	4.491	4.673	4.[illegible]76
	TOTAL OBS	1[illegible]1	136	1[illegible]7	12[illegible]	1[illegible]3	131	12[illegible]	125	1[illegible]0	132	100	[illegible]3	1486
	MEAN	[illegible]5.1	62.[illegible]	62.2	63.1	64.[illegible]3	65.[illegible]5	65.9	67.1	67.8	67.8	66.7	63.6	65.1
[illegible]	S. D.	[illegible].[illegible]04	4.[illegible]74	4.461	3.415	2.4[illegible]3	2.261	2.21[illegible]	2.435	2.066	2.694	3.702	4.667	3.904
	TOTAL OBS	1[illegible]0	1[illegible]5	135	12[illegible]	1[illegible]2	1[illegible]1	12[illegible]	125	1[illegible]1	131	99	89	1474
	MEAN	[illegible]4.[illegible]	62.6	6[illegible].4	63.4	64.[illegible]5	65.3	6[illegible].6	66.6	67.6	67.9	6[illegible].3	62.[illegible]7	65.1
[illegible]0	S. D.	[illegible].[illegible]3[illegible]	3.[illegible]19	3.538	2.695	1.9[illegible]1	1.453	2.117	2.191	1.892	2.212	3.[illegible]22	4.541	3.411
	TOTAL OBS	[illegible]2	[illegible]0	[illegible]3	92	[illegible]3	[illegible]8	62	62	[illegible]4	90	49	42	[illegible]12
	MEAN	[illegible]3.[illegible]	61.[illegible]5	62.2	62.3	64.[illegible]1	63.9	64.5	6[illegible].5	66.[illegible]8	66.4	64.5	61.2	64.[illegible]7
	S. D.	[illegible].[illegible]14	3.[illegible]43	4.435	3.540	2.614	2.791	2.979	2.761	2.969	2.878	3.706	4.2[illegible]5	3.921
	TOTAL OBS	[illegible]1	[illegible]9	[illegible]3	6[illegible]	[illegible]2	[illegible]2	62	61	[illegible]6	9[illegible]	[illegible]9	[illegible]1	568
	MEAN	[illegible]2.[illegible]	59.1	[illegible].[illegible]4	60.1	[illegible]1.[illegible]	61.[illegible]9	62.5	6[illegible].2	63.[illegible]	64.8	63.2	60.[illegible]3	62.[illegible]2
[illegible]2	S. D.	4.642	4.[illegible]54	4.44[illegible]	3.757	2.9[illegible]3	3.16[illegible]	3.756	3.189	3.2[illegible]8	2.909	3.962	4.069	4.046
	TOTAL OBS	[illegible]1	67	[illegible]3	[illegible]1	[illegible]	[illegible]3	62	61	67	88	58	[illegible]1	[illegible]61
	MEAN	[illegible].[illegible]	60.[illegible]	[illegible].3	62.2	63.4	64.2	64.5	65.[illegible]6	66.[illegible]	66.4	65.[illegible]2	61.7	63.7
ALL HOURS	S. D.	4.[illegible]73	4.[illegible]33	4.66[illegible]	3.[illegible]32	2.844	3.139	3.492	3.[illegible]536	3.[illegible]54[illegible]	3.238	4.198	4.741	4.338
	TOTAL OBS	77[illegible]	7[illegible]1	871	695	6[illegible]7	75[illegible]	68[illegible]	[illegible]8[illegible]	77[illegible]	761	[illegible]27	621	[illegible]459

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											76.1	734

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

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

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.0	4.3	74.8	[illegible]
		100.0	100.0	100.0	100.0	100.0	98.5	65.7	22.4	4.5	74.9	67
		100.0	100.0	100.0	100.0	98.6	97.1	68.4	29.7	9.7	75.3	132
		100.0	100.0	100.0	99.3	91.2	49.3	19.1	3.7	1.5	62.0	136
		100.0	100.0	100.0	98.5	86.7	44.4	12.6	2.2	2.2	60.2	135
		100.0	100.0	100.0	100.0	92.6	47.5	15.8	1.3	1.3	61.4	80
		100.0	100.0	100.0	100.0	98.6	91.3	72.5	17.4	1.4	73.4	69
		100.0	100.0	100.0	100.0	100.0	97.0	65.7	29.9		74.2	67
TOTALS		100.0	100.0	100.0	99.7	96.0	72.1	40.1	17.0	7.0	69.5	781

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible] SANDS, HAWAII	73-75,81-82	MAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	97.8	81.5	35.6	7.8	77.1	92
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.7	76.7	40.2	1.1	76.7	92
	[illegible]	100.0	100.0	100.0	100.0	99.3	87.6	60.6	30.7	5.1	74.5	137
	11	100.0	100.0	100.0	97.8	96.1	40.9	15.1	5.1	.7	61.5	137
	14	100.0	100.0	100.0	98.5	92.7	76.3	14.2	2.7		58.9	135
	17	100.0	100.0	100.0	98.9	94.4	53.9	21.4	7.5	2.7	63.2	93
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.2	55.9	13.4	1.1	71.6	93
	23	100.0	100.0	100.0	100.0	98.9	95.7	72.8	34.8	4.3	75.5	92
TOTALS		100.0	100.0	100.0	99.4	96.1	74.5	51.1	22.4	2.2	69.6	1171

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%		
							28.1	12.7	11.9		71.1	
							33.2	57.6	13.6		71.4	
							75.2	42.4	15.2	3.4	64.5	175
	11						37.6	9.6	1.6		59.9	175
	14						29.3				57.6	123
	17						34.1				58.6	
							61.4	29.8			64.7	
	23						57.9	43.1	6.9		66.7	58
TOTALS							63.4			.3		

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

[illegible] 01 (STATION) | [illegible] (STATION NAME) | [illegible] (PERIOD) | [illegible] (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]		[illegible]	[illegible]	100.0	[illegible]	[illegible]	96.4	83.6	13.1		73.6	[illegible]
		[illegible]	[illegible]	100.0	100.0	[illegible]	100.0	83.6	19.7		74.7	61
		[illegible]	[illegible]	100.0	100.0	96.7	71.5	17.1	2.4		64.4	123
	01	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.3	3.3			[illegible]	123
	04	[illegible]	[illegible]	100.0	99.2	[illegible]	23.0	5.7	1.6		[illegible]	122
	07	[illegible]	[illegible]	100.0	[illegible]	96.7	34.4	4.9	2.4		59.8	83
	10	[illegible]	[illegible]	100.0	100.0	96.7	37.1	27.4	3.2		66.7	[illegible]
	13	[illegible]	[illegible]	[illegible]	100.0	[illegible]	96.4	59.7	6.5		71.1	62
TOTALS		[illegible]	[illegible]	[illegible]	99.7	96.4	69.8	35.7	6.1		[illegible]	697

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

4

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%		
							91.0		11.2		71.1	
									19.4		72.3	
							63.4	24.4	5.7		64.7	
							48.2					
							26.6		2.4		57.4	
								17.7			63.4	
							79.0		6.5			
TOTALS							91.1				64.5	

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

4

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

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

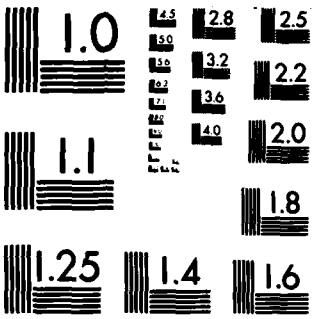
MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

OCEANAV–SMOS

AD-A150 395 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED F/G 4/2 NL





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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

[illegible]	[illegible]	73-75,81-82	NOV
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	93.3	63.3	7.3	81.4	30
	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	53.3	46.7	10.0	79.6	30
	[illegible]	100.0	100.0	100.0	100.0	99.0	95.1	84.3	40.2	10.8	78.3	102
	11	100.0	100.0	100.0	97.0	96.0	71.0	24.0	9.0	1.0	66.0	100
	14	100.0	100.0	100.0	100.0	92.9	63.6	25.3	11.1	1.0	65.7	99
	17	100.0	100.0	100.0	100.0	93.9	67.3	32.7	10.2	2.0	66.2	49
	[illegible]	100.0	100.0	100.0	100.0	100.0	89.9	79.0	35.6	3.4	76.0	59
	23	100.0	100.0	100.0	100.0	100.0	93.1	79.3	50.0	1.7	77.4	58
TOTALS		100.0	100.0	100.0	99.6	97.7	85.0	63.0	33.3	4.2	73.8	527

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22[illegible]1 | [illegible] KING SANDS, HAWAII | 73-75,81-82 | DEC
STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	02	100.0	100.0	100.0	100.0	100.0	94.1	82.4	29.4		75.1	51
	[illegible]	100.0	100.0	100.0	100.0	100.0	94.2	80.8	34.6	3.8	76.2	52
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.7	76.1	45.7	12.0	78.3	92
	11	100.0	100.0	100.0	98.9	92.[illegible]	61.3	36.6	10.8	2.2	66.0	93
	14	100.0	100.0	100.0	98.9	91.[illegible]	53.4	28.1	7.9	2.2	63.9	89
	17	100.0	100.0	100.0	100.0	92.[illegible]	45.2	23.8	7.1		62.5	42
	[illegible]	100.0	100.0	100.0	100.0	100.0	94.1	64.7	27.5		72.9	51
	23	100.0	100.0	100.0	100.0	100.0	94.1	74.5	19.6	2.0	74.6	51
TOTALS		100.0	100.0	100.0	99.7	97.1	79.1	58.4	22.8	2.8	71.2	521

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

RELATIVE HUMIDITY

[illegible]	BARKING SANDS, HAWAII	73-76,81-82	ALL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.8	97.6	88.2	71.9	39.5	9.6	76.1	724
FEB		100.0	100.0	100.0	99.7	96.5	76.1	48.1	17.0	3.0	69.5	761
MAR		100.0	100.0	100.0	99.4	95.1	74.5	51.1	22.0	2.2	69.8	871
APR		100.0	100.0	100.0	100.0	96.0	63.4	32.5	6.2	.3	65.1	688
MAY		100.0	100.0	100.0	99.7	96.4	69.8	35.7	6.1		66.1	697
JUN		100.0	100.0	100.0	100.0	99.2	69.3	35.0	7.2	.4	66.4	749
JUL		100.0	100.0	100.0	100.0	94.3	61.1	27.9	6.3	1.0	64.5	680
AUG		100.0	100.0	100.0	100.0	97.1	67.5	26.6	2.9	1.0	65.0	682
SEP		100.0	100.0	100.0	100.0	99.0	78.2	35.7	6.0	.3	67.2	770
OCT		100.0	100.0	100.0	100.0	98.9	84.7	54.8	18.2	1.5	71.0	781
NOV		100.0	100.0	100.0	99.6	97.7	85.0	63.0	33.3	4.2	73.8	527
DEC		100.0	100.0	100.0	99.7	97.1	79.1	58.4	22.8	2.8	71.2	521
TOTALS		100.0	100.0	100.0	99.8	97.0	75.0	45.1	15.6	2.2	68.9	9451

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible] A[illegible], HAWAII	JANUARY 1973-DECEMBER 1982	JANUARY	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
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				[illegible]	[illegible]	[illegible]				[illegible]	.7
77 TO 81	11.	2.3	.6	[illegible]	[illegible]	18.1	13.[illegible]	15.3	.6	177	24.4
72 TO 76	[illegible]2.1	7.6	2.3	12.2	[illegible]	9.9	9.1	[illegible]	[illegible].1	263	36.3
67 TO 71	[illegible].5	9.7	[illegible]	[illegible]	11.4	.6	1.1	1.1	[illegible]	[illegible]	24.1
62 TO 66	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
57 TO 61		[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	.7
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	13.7	7.6	13.1	14.5	12.1	8.3	6.8	7.4	1[illegible].5	72[illegible]	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible] HA-AXT	JANUARY 1973-DECEMBER 1982	FEBRUARY	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
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	5.[illegible]		[illegible].9	[illegible].4	[illegible].[illegible]	23.[illegible]	5.9		5.9	17	[illegible].2
77 TO 81	[illegible].7	3.3	2.[illegible]	4.[illegible]	10.6	14.1	15.2	25.8	1.0	12[illegible]	26.1
72 TO 76	30.2	5.3	4.7	7.3	1[illegible].9	6.[illegible]	11.5	12.5	9.9	19[illegible]	25.3
67 TO 71	12.[illegible]	14.4	[illegible]3.2	10.8	4.[illegible]	.5	1.[illegible]	1.9	14.9	2[illegible]	27.4
62 TO 66	[illegible].1	12.1	42.9	14.3	2.1				26.4	14[illegible]	18.5
57 TO 61			1[illegible].0							[illegible]	.4
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	[illegible].[illegible]	[illegible].7	19.3	1[illegible].[illegible]	7.9	6.1	7.3	1[illegible].4	11.[illegible]	[illegible]	1[illegible].0

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible]	JANUARY 1973-DECEMBER 1982	MARCH	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
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					1 0.0					1	.1
82 TO 86	[illegible]		.7			3.3	33.3	36.7		30	3.5
77 TO 81	10.5	1.4	.9	2.3	11.5	7.3	24.8	32.6	2.3	21[illegible]	25.6
72 TO 76	19.8	10.3	[illegible].3	11.7	15.2	5.8	9.4	3.1	14.3	223	26.2
67 TO 71	10.[illegible]	11.5	25.5	1[illegible].1	7.4	.[illegible]	.4	.3	25.1	243	28.6
62 TO 66	[illegible].3	3.[illegible]	42.9	[illegible].3	.6		.5	.1	26.3	133	15.6
57 TO 61			66.7						33.3	3	.4
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & BELOW											
TOTALS	13.[illegible]	6.3	1[illegible].3	12.1	[illegible].3	3.[illegible]	1[illegible].2	12.1	15.7	951	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ YEARS JANUARY 1973-DECEMBER 1982 MONTH APRIL HOURS L.S.T. 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
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	1.2	[illegible]	1.9		[illegible]		34.6	22.7		22	7.6
77 TO 81	24.2	5.4	[illegible]	1.4	[illegible]	5.4	17.0	28.9	6.1	277	46.4
72 TO 76	11.[illegible]	12.[illegible]	13.5	14.[illegible]	9.[illegible]	1.[illegible]	4.5	5.0	20.5	120	20.1
67 TO 71	10.[illegible]	14.[illegible]	21.4	21.4	2.1	.7		.7	10.6	142	23.4
62 TO 66		2[illegible].0	13.3	12.[illegible]					37.5	16	2.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
[illegible]											
[illegible]											
-58 TO -54											
[illegible]											
TOTALS	17.[illegible]	[illegible].[illegible]	13.7	[illegible].[illegible]	[illegible].7	2.[illegible]	17.[illegible]	15.[illegible]	13.1	6[illegible]	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

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

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				[illegible]						1	.1
82 TO 86	[illegible].0	3.1		1.9	[illegible].9	3.1	14.4	21.9		64	9.3
77 TO 81	17.6	4.[illegible]	3.2	3.2	0.3	8.6	21.3	24.[illegible]	13.4	347	50.4
72 TO 76	7.[illegible]	17.1	21.9	11.6	12.3	1.4	4.1	4.1	19.9	146	21.2
67 TO 71		7.9	47.5	15.9	3.2	.6			21.7	126	18.3
62 TO 66			45.0	40.[illegible]					2[illegible].0	5	.7
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−63 TO −59											
TOTALS	12.[illegible]	7.7	17.[illegible]	7.[illegible]	7.4	5.1	14.[illegible]	12.4	15.4	690	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | STATION NAME | JANUARY 1977-DECEMBER 1982 (YEARS) | JUNE (MONTH) | ALL (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	14.3	1.7			3.3	9.8	31.0	36.8	.9	114	14.4
77 TO 81	14.5	5.1	5.9	2.4	7.3	4.2	23.3	25.2	11.3	373	47.3
72 TO 76	7.5	6.3	17.2	11.5	13.8	2.3	5.2	1.7	34.5	174	22.1
67 TO 71	.7	4.2	32.2	16.6	2.5				41.5	119	15.0
62 TO 66	11.1		33.3	11.1	11.1	11.1			22.2	9	1.1
57 TO 61									100.0	1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.6	4.7	11.2	6.4	7.7	4.2	16.7	17.6	17.5	780	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

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

JULY | 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
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91								100.0		1	.1
82 TO 86	7.[illegible]	1.7		.5	3.4	12.3	4[illegible].6	3[illegible].7	1.1	173	26.3
77 TO 81	11.6	3.[illegible]	1.3	7.6	7.0	6.6	19.3	14.9	16.9	291	44.3
72 TO 76	4.3	12.7	27.6	19.8		.[illegible]	.[illegible]		13.3	126	18.5
67 TO 71	1.4	5.[illegible]	52.2	13.[illegible]	1.4				26.1	69	10.1
62 TO 66		33.3	33.3	33.3						3	.4
57 TO 61			100.0							1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	.7	[illegible].[illegible]	14.4	5.7	[illegible].4	6.3	19.4	15.6	14.6	5[illegible]	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ YEAR JANUARY 1973-DECEMBER 1982 MONTH AUGUST HOURS (LST) 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
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91								[illegible]			• 7
82 TO 86	1.0	.6	.4	.9	4.4	7.9	41.9	31.	1.3	329	37.6
77 TO 81	.8	4.2	14.4	10.8	5.8	4.7	17.2	15.6	13.3	337	37.7
72 TO 76	1.2	1.4	11.3	12.9	3.7		1.2		7.3	163	23.2
67 TO 71		7.4	5.6	7.4					15.6	39	4.5
62 TO 66		23.3					13.3	33.3		3	.4
57 TO 61				100.0						1	.1
52 TO 56											
47 TO 51											
42 TO 46											
[illegible]											
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											
[illegible]											
[illegible]											
-58 TO -54											
[illegible]											
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ YEAR _____ MONTH _____ HOURS LST/LT 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
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	[illegible]				[illegible]	[illegible]				[illegible]	[illegible]
82 TO 86	1[illegible]	1.[illegible]	[illegible]	1.[illegible]	[illegible]	12.[illegible]	32.4	[illegible].2	[illegible]	741	31.5
77 TO 81	[illegible]	[illegible].6	[illegible].6	19.[illegible]	[illegible].2	[illegible]	11.6	[illegible].3	15.5	[illegible]	33.7
72 TO 76	1.[illegible]	[illegible].7	[illegible].4	19.1	[illegible].3		1.[illegible]	1.[illegible]	27.5	207	27.[illegible]
67 TO 71		12.[illegible]	41.1	1[illegible]					31.[illegible]	[illegible]	7.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
TOTALS	[illegible]	[illegible]	[illegible]	[illegible].7	[illegible]	[illegible].3	1[illegible].4	1[illegible].3	1[illegible]	[illegible]	1[illegible].0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION | STATION NAME | YEARS | MONTH | HOURS (L.S.T.) 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
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							[illegible]	[illegible]			•
82 TO 86	17.3	4.[illegible]	.[illegible]	3.[illegible]	7.[illegible]	9.[illegible]	37.7	21.[illegible]	1.[illegible]	[illegible]	[illegible]
77 TO 81	1.3	7.[illegible]	15.[illegible]	[illegible].3	[illegible].[illegible]	11.2	1[illegible].5	13.5	[illegible].5	22[illegible]	[illegible].7
72 TO 76	1.2	7.5	[illegible].[illegible]	23.7	5.[illegible]		.3	.4	32.4	[illegible]	32.6
67 TO 71	1.1	[illegible].[illegible]	[illegible].2	13.6	1.1		1.1	1.1	[illegible].4	[illegible]4	17.1
62 TO 66				[illegible].[illegible]					[illegible].[illegible]	[illegible]	•
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	•	.7	17.[illegible]	12.[illegible]	[illegible].4	[illegible]	17.1	11.[illegible]	1.[illegible]	[illegible]	1[illegible].[illegible]

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ STATION NAME _____ YEARS _____ MONTH _____ HOURS LST _____

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	33.1	5.2		[illegible]	15.4	5.1	27.3	13.4		[illegible]	7.4
77 TO 81	10.7	5.4	1.1	4.3	14.1	7.0	21.7	24.5	1.6	174	34.9
72 TO 76	4.3	9.1	25.[illegible]	19.4	15.2	1.[illegible]	1.2	.6	16.3	154	31.1
67 TO 71		11.[illegible]	27.4	15.5	4.3				[illegible].2	139	28.4
62 TO 66									100.0	1	.2
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
- 8 TO - 4											
- 13 TO - 9											
- 18 TO - 14											
- 23 TO - 19											
- 28 TO - 24											
- 33 TO - 29											
- 38 TO - 34											
- 43 TO - 39											
- 48 TO - 44											
- 53 TO - 49											
- 58 TO - 54											
- 63 & UP											
TOTALS	22.9	5.[illegible]	15.[illegible]	11.[illegible]	12.[illegible]	3.[illegible]	10.1	9.4	17.1	[illegible]	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION _____ YEARS _____ MONTH _____ HOURS (LST) 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
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	8.1	1.[illegible]	.8	[illegible].2	12.3	7.7	14.2	33.1	2.3	1[illegible]	22.2
72 TO 76	27.6	5.2	[illegible].3	7.2	13.[illegible]	5.3	9.9	15.1	1.6	13[illegible]	25.9
67 TO 71	7.8	11.[illegible]	23.2	13.3	5.2	.9	1.9	2.4	25.2	[illegible]11	36.[illegible]
62 TO 66	1.1	12.[illegible]	41.4	11.5	3.4	1.1			2[illegible].7	[illegible]7	14.[illegible]
57 TO 61									1[illegible].0	1	.2
52 TO 56											
47 TO 51											
42 TO 46											
[illegible] TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
[illegible] TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	14.[illegible]	[illegible].7	19.6	[illegible].9	[illegible].4	3.[illegible]	[illegible].[illegible]	12.1	15.[illegible]	[illegible]	1[illegible].[illegible]

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: [illegible] STATION NAME | JANUARY 1973-77 CLIMAT 1952 | YEARS | ALL MONTH | ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	.1			.1	.3	.1	.1	.4		11	.1
82 TO 86	1.4	2.0	.6	1.6	.5	.4	4.3	2.1	.3	1177	13.8
77 TO 81	5.7	4.3	6.9	5.7	9.7	2.1	13.3	22.1	2.3	2943	34.6
72 TO 76	11.3	9.5	19.8	13.3	10.9	3.2	5.1	5.0	21.9	2263	26.6
67 TO 71	6.2	11.7	32.9	16.6	4.9	.5	.6	.9	22.4	1606	18.9
62 TO 66	1.4	10.2	41.5	15.3	1.6	.4	.4	.4	26.3	499	5.9
57 TO 61		4.7	43.3	13.3					26.7	15	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
TOTALS	27.1	7.1	15.3	9.7	.2	5.1	12.6	13.2	19.6	8514	100.0

NAVWEASERVCOM

END

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