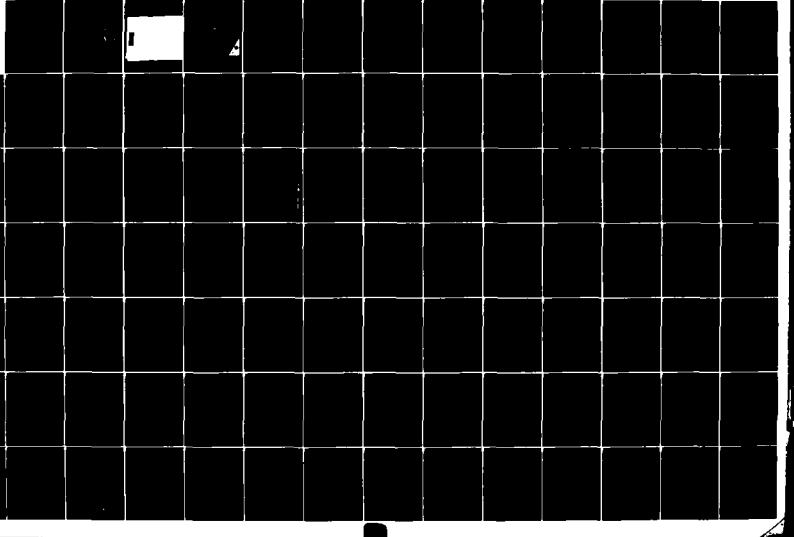
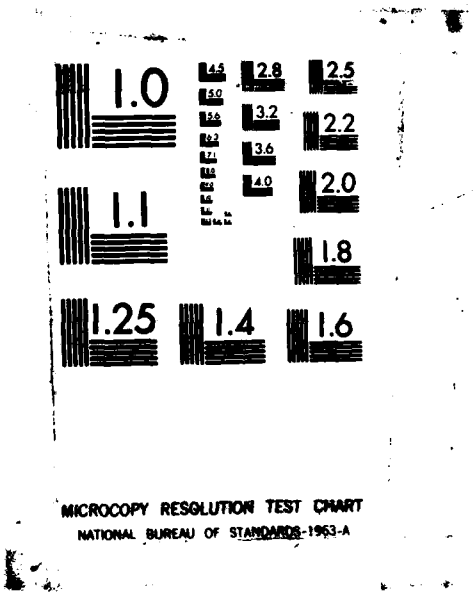
AD A150 708 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
KANEOHE BAY(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

UNCLASSIFIED F/G 4/2 NL




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

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DTIC ACCESSION NUMBER

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INVENTORY

SMOS, Kaneohe Bay, Hi. Sep. 1984

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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 703

STATION: #22519 Kaneohe Bay, HI

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

JOB NO. 72006 DATE September 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

UNCLASSIFIED

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4. TITLE *(and Subtitle)* Summary of Meteorological Observations, Surface (SMOS) Kaneohe Bay		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982 6. PERFORMING ORG. REPORT NUMBER
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18. SUPPLEMENTARY NOTES

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

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

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

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

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
22519	Kaneohe Bay, Hawaii	21°27'N	157°47'W	18	PHNG	91176

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.		MCAS	1952	1962	21°27'N	157°47'W	9.8		
2.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
3.	Weather office, hangar 105	"	1967		"	"	"		
1a.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
2a.	Weather office, hangar 105	"	1967		"	"	11.5		

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.		Atop control tower	UMQ-5	RD-108		1. Barograph (Aero 1932 USN)
2.	1956	20' above hangar roof	"	"	72.4'	2. Auto met station (GMQ-29)
3.	1956	12' atop control tower	"	"		3. Ceiling light (ML 121)
4.	1961	Adjacent to & 366 yards from center line of runway			13'	4. Theodolite (ML 247)
						5. APT Recorder (Alden 9225N)
5.	1977	Adjacent to & 366 yards from center line of runway	GMQ-29A	RO-447A		6. Fax Recorder (Alden 18")

NWSD, Federal Building

NOCD, Federal Building
Asheville, N. C.

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] BAY, HI	42-44, 52-55, 57-65, 67-79	ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]	4.4	77.[illegible]				6[illegible]	.3	1.2			1.[illegible]	771
[illegible]		4.7	72.4				[illegible]3.5	.1	.7			.[illegible]	6[illegible]
[illegible]		[illegible].9	[illegible]5.6				74.9	.4	.[illegible]			[illegible]	744
[illegible]		2.7	[illegible]1.3				76.1		.			.[illegible]	[illegible]
[illegible]		1.4	[illegible]4.9				71.7	.3				.[illegible]	[illegible]
[illegible]		.1	89.2				[illegible]5.[illegible]		.4			.4	[illegible]
[illegible]		.4	[illegible]2.[illegible]				[illegible]7.[illegible]	.[illegible]	.2			.7	[illegible]
[illegible]		.2	89.3				76.1						[illegible]
[illegible]		.7	85.[illegible]				[illegible]1.7	.1				.1	767
[illegible]		[illegible].0	[illegible]2.3				69.6	.1	.[illegible]			.[illegible]	[illegible].4
[illegible]		3.2	[illegible]9.4			.1	75.6	.1	.1			.3	7[illegible]
[illegible]		1.7	86.8				73.4	.2	.1			.4	[illegible]
TOTALS		2.2	[illegible]5.5			.[illegible]	72.9	.2	.3			.5	[illegible]4

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
		.3	.7				.3		.1			.1	
			.1				.1						
			.1				.1						
			.1				.1						
	1		.4				.1	.1				.1	
			.6				.5						
		.3	10.2				.1						
		.6	9.7				.7						
TOTALS		.2	.1				.3	.1	.1			.1	24

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENT FREQUENCY OF OCCURRENCE OF CERTAIN
CONDITIONS FROM HOURLY OBSERVATIONS

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

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AY, MI	[illegible]-80	[illegible]

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]		6.				[illegible]						[illegible]
	[illegible]	.3	6.[illegible]				9.						[illegible]
			7.7				7.7						[illegible]
	11	.3	[illegible].				[illegible]						[illegible]
	1[illegible]		6.[illegible]				[illegible]						[illegible]
	1[illegible]		6.[illegible]				[illegible]						[illegible]
	[illegible]		7.				7.						[illegible]
	2[illegible]	.3	5.[illegible]				5.[illegible]						[illegible]
TOTALS		.1	[illegible].6				5.6						24[illegible]

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WEATHER CONDITIONS

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

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]						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	[illegible]	.3	[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	1	1.0	[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]				.2						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
TOTALS		.2	[illegible]				[illegible]						[illegible]

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] HI	[illegible]-62	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.
[illegible]	[illegible]		[illegible].3				[illegible].3						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible].9
			[illegible]				[illegible].3						[illegible]
	[illegible]1		4.3				[illegible]						[illegible]
	1	.3	3.[illegible]				[illegible]	.3				.[illegible]	[illegible]
	[illegible]	.[illegible]	4.[illegible]				4.[illegible]	.3				.[illegible]	[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	2[illegible]		3.[illegible]				3.[illegible]						[illegible]
TOTALS		.1	4.0				4.	.1				.1	2[illegible]9

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] BAY, MI	[illegible]-70	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]		7.1				7.1						[illegible]
	[illegible]		7.1				7.1						[illegible]
	[illegible]		6.[illegible]				6.						[illegible]
	11		3.[illegible]				3.						[illegible]
	1		3.[illegible]				3.[illegible]						[illegible]
	1[illegible]		[illegible].2				[illegible].2						[illegible]
	[illegible]		4.5				4.5		.[illegible]			.[illegible]	[illegible]
	2[illegible]		2.[illegible]				2.[illegible]						[illegible]
TOTALS			4.				4.[illegible]		.			.[illegible]	2[illegible]

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] MI	[illegible]-82	[illegible]

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]
	[illegible]		[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	11		[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]3				[illegible]3						[illegible]
	[illegible]	.3	2.3				[illegible]3						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]5				[illegible]5						[illegible]
TOTALS		.0	[illegible]				[illegible]						[illegible]

NAVWEASERVCOM

WEATHER CONDITIONS

STATION | KA [illegible] HI | 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.
[illegible]	[illegible]		[illegible]				[illegible]						[illegible]
	[illegible]		[illegible]				[illegible]						[illegible]
		.3	2.[illegible]				[illegible]						[illegible]
	11		[illegible].4				.4						[illegible]
	1	.3	2.				.						[illegible]
	[illegible]	.2	3.3				[illegible].3						[illegible]
	[illegible]		4.[illegible]				4.[illegible]						[illegible]
	[illegible]		[illegible].				[illegible].						[illegible]
TOTALS		[illegible]	3.3				[illegible].[illegible]						[illegible]

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
		.6	5.2										
		.3	4.5										
			5.5										
			4.5										
	1		3.				3.						
	2	.6	6.				6.						
TOTALS		.2	4.				4.					.1	24

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3

WEATHER CONDITIONS

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

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]	.3	5.7				5.7						[illegible]
		.3	[illegible]				[illegible]						[illegible]
		—	7.				7.						[illegible]
	11		5.7				5.7						[illegible]
	1	.3	6.				[illegible]	.3				.7	[illegible]
	1	.3	7.3				7.	.3				.7	[illegible]
			[illegible].3				[illegible].3						[illegible]
	2	.3	7.3				[illegible].7						[illegible]
TOTALS		.2	[illegible].7				[illegible].1	.1				.1	2[illegible]9

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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

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3

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND, OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
		.0					.9	.	.			.1	24
		.3											
		.1					.	.				.	24
		.1											
		.1	.1				.						
		.1	.				.	.				.1	
			4.				4.		.			.	
		.	3.				3.						
		.	3.				.3						
		.	4.				4.		.1			.1	24
		.2	.3				.1	.1				.1	
		.1	.				.	.2	.			.1	24
TOTALS		.1	5.				5.	.	.			.1	

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

.21	KANEOHE BAY, HI	JANUARY 1973-DECEMBER 1982	JANUARY	
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.2	7.3						1.2						78.1
NNE	2.3	6.7						1.3						87.2
NE	1.1	2.6						1.2						94.2
ENE	2.1	2.9						.4						94.2
E	1.1	5.0						.2						92.7
ESE		6.5												93.5
SE	1.3	9.3												88.9
SSE	2.3	17.1												80.6
S	1.3	7.3						.3						87.6
SSW	1.2	7.3						.5			.6			90.7
SW	1.5	6.5												92.1
WSW	4.2	9.5						.3						85.7
W	1.2	13.3						1.3						83.6
WNW	3.2	11.1												85.7
NW	2.2	7.9												89.9
NNW	1.2	20.0							1.8					77.2
VARIABLE CALM	.2	2.2												96.7
TOTAL	41	171						12	1		1			2274
PERCENT	1.7	6.9						.5	.0		.0			90.9

TOTAL NUMBER OF OBSERVATIONS 2,490

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] | KANGIQSUALUJJUAQ, PQ | JANUARY 1973-DECEMBER 1982 | FEBRUARY | [illegible]
STATION | STATION NAME | YEARS | MONTH | HOURS (G.M.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.[illegible]	7.6												[illegible]8.[illegible]
NNE	.[illegible]	7.6												[illegible]1.[illegible]
NE		[illegible].4												[illegible]4.[illegible]
ENE		4.3						.[illegible]						[illegible]5.[illegible]
E	.[illegible]	2.[illegible]						.[illegible]						[illegible]6.[illegible]
ESE	[illegible].[illegible]	4.4												[illegible]9.[illegible]
SE	6.[illegible]	9.1												[illegible]4.1
SSE	2.[illegible]	[illegible]0.8												[illegible]6.[illegible]
S	1.[illegible]	[illegible].2						.1						[illegible]3.[illegible]
SSW	3.[illegible]	2.[illegible]						.[illegible]						[illegible]3.[illegible]
SW	2.[illegible]	4.[illegible]												[illegible]2.2
WSW	1.1	3.4						1.1						[illegible]5.5
W	3.[illegible]	[illegible]0.[illegible]												[illegible]5.9
WNW		3.2												[illegible]6.[illegible]
NW	7.[illegible]	3.7												[illegible]8.9
NNW		[illegible]1.[illegible]						1.[illegible]						[illegible]8.1
VARIABLE														
CALM	.[illegible]	3.3												[illegible]6.[illegible]
TOTAL	[illegible]3	113						[illegible]						[illegible]11
[illegible]	1.[illegible]	5.[illegible]						.[illegible]						[illegible]3.

TOTAL NUMBER OF OBSERVATIONS 2,25[illegible]

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] PARROT BAY, MT JANUARY 1973-DECEMBER 1982 MARCH [illegible]
(STATION) (STATION NAME) (YEARS) (MONTH) (HOURS (LST))

WIND DIRECTION		RAIN OR DRIZZLE		FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	13.5						1.7						75.7
NNE	1.4	7.5												[illegible]
NE	.1	6.3												87.3
ENE	.1	3.1												95.1
E	1.1	5.3												93.6
ESE	1.1	7.3												85.3
SE		11.1												88.9
SSE		3.1												97.0
S		5.3												95.7
SSW		11.5						1.0						86.5
SW		6.0												93.0
WSW	.4	5.4												89.1
W	.3													96.7
WNW	.1	7.7	3.8						.7					84.6
NW	.1	21.7						4.3						73.9
NNW	1.0	16.5	4.3						.4					69.1
VAR	2.6	2.6							.9					93.9
CALM	40	143	2					3	4					2213
TOTAL %	1.6	5.5	.1					.1	.2					92.5

TOTAL NUMBER OF OBSERVATIONS 2,480

3

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION [illegible] KANEOHE BAY, HI — STATION NAME

JANUARY 1973-DECEMBER 1982 — YEARS

APRIL — MONTH

_____ — HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	10.4												[illegible]6.6
NNE	1.[illegible]	4.9												93.4
NE	1.4	7.4												[illegible]1.2
ENE	.1	4.[illegible]												[illegible]5.[illegible]
E	.1	4.6						.4						95.[illegible]
ESE	1.[illegible]	[illegible].7												92.3
SE														[illegible]0.0
SSE	4.[illegible]	14.3												[illegible]1.0
S	[illegible].[illegible]	8.0												[illegible]4.[illegible]
SSW		16.1												83.9
SW		[illegible].4												96.6
WSW		[illegible].3												96.7
W														100.0
WNW	[illegible].0	20.0												[illegible]6.[illegible]
NW	1[illegible].3	13.3												73.3
NNW		12.[illegible]												[illegible]8.0
VARIABLE														
CALM		[illegible].4	1.1											[illegible]1.[illegible]
TOTAL	1[illegible]	140	1					[illegible]						2241
[illegible]TOTAL	.7	5.8	.0					.1						93.4

TOTAL NUMBER OF OBSERVATIONS 2,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] [illegible] BAY, HI — STATION NAME — JANUARY 1973-DECEMBER 1982 — YEARS — MAY — MONTH — HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	12.2						2.0						75.6
NNE	1.5	7.3						1.6						[illegible]
NE		3.6												96.4
ENE	.7	3.1												96.6
E		2.9						.1						97.1
ESE		3.3												96.7
SE		23.0												75.1
SSE		30.0												70.0
S		15.8												81.3
SSW		11.9												88.2
SW		11.1												98.9
WSW		16.8												81.3
W		13.3												86.7
WNW														100.0
NW		5.7						5.7						93.3
NNW		20.0												80.0
VARIABLE														
CALM	1.4	2.0												98.6
TOTAL		118						4						2352
PERCENT	.4	4.8						.2						94.8

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible] BAY, HI	JANUARY 1973-DECEMBER 1982	JUNE	

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	4.3												[illegible]
NNE	1.2	8.0												[illegible]
NE	.7	1.5							.4					[illegible]
ENE		3.3												[illegible]
E	.1	3.1						.2	.1					96.7
ESE	1.1	4.3												[illegible]
SE	15.7													[illegible]
SSE														100.0
S		23.1												76.9
SSW		14.3												[illegible]
SW														[illegible]
WSW		14.3												[illegible]
W														100.0
WNW		12.5												[illegible]
NW		25.0												[illegible]
NNW	[illegible]	8.3												66.7
VARIABLE														
CALM	1.4	2.7												[illegible]
TOTAL	1.2	[illegible]4						.2	.2					[illegible]
% TOTAL	.5	3.5						.1	.1					[illegible]

TOTAL NUMBER OF OBSERVATIONS 2,399

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] STATION | KANEOHE BAY, HI STATION NAME | JANUARY 1973-DECEMBER 1982 YEARS | JULY MONTH | HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE		6.5												93.5
ENE		3.6												96.4
E		5.3												94.7
ESE		4.8												95.2
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW		33.3												66.7
W		25.0												75.0
WNW														100.0
NW														
NNW		20.0												80.0
VARIABLE														
CALM		6.1									0.0			93.9
TOTAL		119									1			2360
% TOTAL		4.8									.0			95.2

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

.2 1? | KANEOHE BAY, HI | JANUARY 1973-DECEMBER 1982 | AUGUST |
STATION | STATION NAME | YEARS | MONTH | HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.1												92.9
NNE		1.4												98.6
NE	.	2.8												96.5
ENE		2.3												97.7
E	.1	3.7												96.2
ESE		9.4												90.6
SE		12.5												87.5
SSE														100.0
S														100.0
SSW		28.6												71.4
SW														100.0
WSW		17.0												83.0
W		7.1						.1						92.9
WNW		16.7												83.3
NW														
NNW														100.0
VARIABLE														
CALM		5.2												94.8
TOTAL	.	3.4						.1						2393
% TOTAL	.1	3.4						.1						96.5

TOTAL NUMBER OF OBSERVATIONS 2,480

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1 AD-A062044
2 4/2, 8/6
5 Summary of Meteorological Observations, Surface (SMOS) Kaneohe
- Bay, HI.
8 U
9 Reference rept. 1945-1977.
11 Jul 78
12 351
20 U
23 *Meteorological data, *Hawaii, Climate, Weather, Wind, Visibility,
- Precipitation, Observation, Temperature, Coastal regions, Barometric
- pressure, Statistics, Tables(Data), Humidity,
24 U
25 *Kaneohe Bay, SMOS(Summary of Meteorological Observations Surface),
- Summary of Meteorological Observations Surface.
26 U
27 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, and Part F - Station Pressure/Se
- a Level Pressure.
28 U

29 1
30 AWS Tech
END OF DISPLAY - - ENTER DESIRED COMMAND

3

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23819	KALFOHE BAY, HI	JANUARY 1973-DECEMBER 1982	SEPTEMBER	
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		3.9												97.1
NNE		3.1												97.9
NE		2.6												97.4
ENE		2.2												97.8
E		3.0												97.0
ESE		2.1												97.9
SE		7.7												92.3
SSE														100.0
S														100.0
SSW		17.6												82.4
SW		4.8												95.2
WSW		16.7						11.1						77.8
W		8.3												91.7
WNW														100.0
NW														100.0
NNW		16.7						8.3						83.3
VARIABLE														
CALM		7.0												93.0
TOTAL		7?						3						2312
% TOTAL		3.3						.1						96.7

TOTAL NUMBER OF OBSERVATIONS 2,392

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] KANEOHE BAY, HI JANUARY 1973-DECEMBER 1982 OCTOBER

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

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	N WEATHER
N	.1	10.4						3.1						17.[illegible]
NNE	.2	8.1	.3											[illegible]
NE	2.	3.9						.3						24.1
ENE		1.7						.7						18.[illegible]
E	.3	2.6									.3			96.[illegible]
ESE	1.[illegible]	1.3												96.3
SE	.6	11.1												83.3
SSE	14.3	4.6												81.[illegible]
S	13.[illegible]													96.5
SSW		3.0												97.[illegible]
SW		6.[illegible]												[illegible].1
WSW	.1	3.4												96.[illegible]
W	.4	.4												91.[illegible]
WNW	15.													84.[illegible]
NW	1 .	15.8						.3						73.7
NNW		27.8												72.2
[illegible]														
CALM		.1												96.[illegible]
TOTAL	31	[illegible]3	1					[illegible]			3			23[illegible]
% TOTAL	1.[illegible]	3.3	.0					.[illegible]			.1			95.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2,48[illegible]

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] KANEOHE BAY, HI — JANUARY 1973-DECEMBER 1982 — NOVEMBER — [illegible]
(STATION) (STATION NAME) (YEARS) (MONTH) (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	6.5						1.1						[illegible]
NNE		[illegible]												[illegible]
NE	[illegible]	3.5							[illegible].0					[illegible]
ENE	[illegible]	[illegible]												[illegible]
E	[illegible]	[illegible].2	.1					.1						[illegible]
ESE		[illegible].2												[illegible]
SE		[illegible]						[illegible].7						[illegible]
SSE	[illegible].1	33.3												57.6
S		12.7	1.6											[illegible]
SSW		[illegible].8												91.2
SW		[illegible].6												[illegible]
WSW	[illegible]	14.[illegible]						[illegible].[illegible]						[illegible]
W	[illegible].7	8.9												[illegible]
WNW		[illegible]												[illegible]
NW														100.0
NNW		[illegible].0												[illegible]
VAR AB														
CALM	1.1	4.3												[illegible]
TOTAL	1[illegible]	1[illegible]3	2					[illegible]	2					2246
TOTAL	[illegible].7	5.5	.1					[illegible].2	.1					[illegible].6

TOTAL NUMBER OF OBSERVATIONS 2,399

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] HANAPEPE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (MONTH) _____ (HOURS L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.[illegible]	7.7												90.4
NNE	.[illegible]	5.2							.6					94.3
NE	.4	6.4							.6					92.9
ENE	.[illegible]	4.[illegible]						.[illegible]						95.5
E	1.[illegible]	5.0												93.3
ESE	1.1	4.5												94.3
SE	4.[illegible]	16.0												80.0
SSE	1[illegible].[illegible]	11.6												74.4
S	1.1	9.5						1.1						89.[illegible]
SSW	.[illegible]	9.2												89.9
SW	[illegible].1	6.2												89.7
WSW	1.[illegible]	[illegible].3												92.4
W	1.[illegible]	11.3												87.1
WNW	10.3	6.[illegible]												[illegible]2.[illegible]
NW	[illegible]	15.2												81.8
NNW	1[illegible].[illegible]	17.5												67.5
VARIABLE														
CALM	1.[illegible]	4.3							.[illegible]		.[illegible]			[illegible]3.[illegible]
TOTAL	4[illegible]	156						2	4		1			2265
[illegible]TAL	1.[illegible]	6.3						.1	.2		.0			[illegible]1.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2,469

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] KANEOHE BAY, HI JANUARY 1973-DECEMBER 1982 ALL

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

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.7	5.8						.5						88.7
NNE	1.1	5.3	.1					.	.1					[illegible].3
NE	.	4.4						.1	.2					[illegible].7
ENE	.	3.3						.						95.4
E	.4	3.4	.0					.4	.		.2			95.6
ESE	1.0	5.1												[illegible].2
SE	2.0	12.5						.3						84.5
SSE	3.4	15.1												79.[illegible]
S	1.	8.9	.2					.						89.2
SSW	1.3	2.2						.			.2			[illegible].1
SW	1.2	5.8												[illegible].5
WSW	2.3	8.3						1.2						88.2
W	3.7	9.9						.5						86.1
WNW	3.4	8.7	.4						.5					87.5
NW	4.	11.4						1.1						83.9
NNW	4.4	16.4	.3					.7	.7					78.9
VARIABLE														
CALM	.	4.6	.1						.1		.1			94.[illegible]
TOTAL	274	1423	6					41	13		6			27488
PCTAGE	.9	4.9	.0					.1	.0		.0			94.2

TOTAL NUMBER OF OBSERVATIONS 29,195

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NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

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

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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] BAY, MT | 45-47, 52-55, 57-64, 67-82
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	31.4	16.	7.1	13.8	6.7	9.7	[illegible]	3.5	2.7	1.5	.5			51.7	[illegible]	6.30	15.54	.4
FEB	39.	15.9	5.9	13.[illegible]	[illegible].6	6.6	5.[illegible]	4.2	2.[illegible]	.6				46.4	706	3.76	16.04	.6
MAR	[illegible].4	20.7	4.1	18.3	9.6	11.0	4.[illegible]	3.5	1.[illegible]	.7		.1		55.[illegible]	837	4.27	14.29	.5[illegible]
APR	[illegible].[illegible]	1 .9	7.1	1[illegible].8	10.5	9.2	6.5	2.8	1.[illegible]	.5	.3			57.6	78[illegible]	4.34	22.23	.[illegible]
MAY	[illegible].[illegible]	[illegible].0	[illegible].6	[illegible].5	9.1	[illegible].8	2.[illegible]	1.3	1.[illegible]	.2				[illegible].2.3	837	2.37	7.[illegible]3	.1[illegible]
JUN	2 .[illegible]	[illegible].[illegible]	9.	[illegible]1.9	1[illegible].7	8.[illegible]	[illegible].7	.6	.1	.1				[illegible]3.[illegible]	840	1.43	4.71	.[illegible]
JUL	[illegible].1	1 .6	[illegible].[illegible]	22.6	12.[illegible]	10.8	4.8	1.[illegible]	.1					[illegible]1.[illegible]	8[illegible]9	1.9[illegible]	4.[illegible]	.4
AUG	[illegible]2.	21.6	8.1	21.2	11.1	9.3	4.4	.8	.[illegible]	.1				[illegible]5.5	899	1.81	5.76	.[illegible]
SEP	[illegible]. .4	22.4	7.[illegible]	16.[illegible]	10.1	9.9	[illegible].3	1.3	.[illegible]					4[illegible].[illegible]	84[illegible]	1.76	4.54	.[illegible]
OCT	[illegible].	1[illegible].[illegible]	7.5	17.2	1[illegible].1	[illegible].3	4.4	.7	1.0	.1	.1			51.5	899	2.58	9.[illegible]	.
NOV	2 .[illegible]	21.2	5.6	16.3	11.4	11.[illegible]	4.[illegible]	2.2	2.3	.7	.2			[illegible]5.6	810	4.33	15.[illegible]	.6[illegible]
DEC	[illegible].	17.7	[illegible].[illegible]	16.5	[illegible].3	12.8	5.[illegible]	3.8	3.1	.2				56.4	899	4.23	[illegible].01	.4[illegible]
ANNUAL	[illegible].	19.[illegible]	[illegible].	1[illegible].0	[illegible].[illegible]	9.8	4.5	2.4	1.[illegible]	.4	.1	.[illegible]		53.[illegible]	10052	[illegible].83		

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
[illegible]
(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] AA ROUE BAY, HI | 4[illegible]-4 , 5[illegible]-55, 57-64, 6[illegible]-8[illegible]

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]
FEB	[illegible]														[illegible]2	[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]		

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNC DEPTH
(FROM DAILY OBSERVATIONS)

STATION	KA[illegible] BAY, HI	[illegible], 52-55, 57-64, 69-82
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]														744			
FEB	[illegible]														5[illegible]			
MAR	[illegible]														[illegible]			
APR	[illegible]														[illegible]			
MAY	[illegible]														[illegible]			
JUN	[illegible]														6[illegible]			
JUL	[illegible]														[illegible]			
AUG	[illegible]														[illegible]			
SEP	[illegible]														[illegible]			
OCT	[illegible]														744			
NOV	[illegible]														[illegible]			
DEC	[illegible]														744			
ANNUAL	[illegible]														[illegible]			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible] BAY, HI	45-4[illegible], 52-55, 57-65, 68-80

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				4.1[illegible]	1.70	.17	.11	1.10	.60	.30		1.2[illegible]	
4[illegible]	.30	.67	.24	.99		.99	.62		.19	1.02	1.30	1.70	
4[illegible]	.43	.33	3.71		.21	1.31	.69	.20	1.77	.76	2.66	.57	
[illegible]		1.6[illegible]	.52	2.39	.17	.48	.48	.29	.74	.23	1.44	.5[illegible]	
[illegible]	.57		.47					.00	.11	.30		.20	
[illegible]	.54	.78	1.99	.43	.1[illegible]	.31	.32	.37	1.26	.18	.34	.2[illegible]	1.[illegible]8
4	1.3[illegible]	1.48	1.52	1.47	.22	.36	1.00	.43	.32	.88	9.10	1.73	9.1[illegible]
5	[illegible].87	[illegible].7[illegible]	4.24	.29	.6[illegible]	.10	.33	.39					
5[illegible]										.42	3.28	1.66	
[illegible]	.4[illegible]	2.31	11.61	.74	.50	.37	.47	1.94	.49				
					.9[illegible]	.10	.47	2.80	.65	.59	1.17	.39	
	.[illegible]1	1.[illegible]3	2.71	.78	.77	.44	.30	.91	.59	1.[illegible]7	.63	1.9[illegible]	2.71
1	[illegible].8[illegible]	.34	.92	1.1[illegible]	.30	.29	.72	.25	.[illegible]8	1.11	2.32	.93	2.89
	1.24	.[illegible]3	1.81	.4[illegible]	1.33	.16	.27	.15	.54	.49	.25	2.[illegible]5	2.[illegible]5
	[illegible].[illegible]4	2.10	3.26	7.29	3.1[illegible]	.23	.46	.13	.57	1.34	.21	.6[illegible]	7.[illegible]9
4	1.[illegible]7	.19	2.5[illegible]	1.76	.2[illegible]	.30	.64	.34	1.01	1.30	.39	2.5[illegible]	2.56
[illegible]						.[illegible]0	.3[illegible]	.17	2.2[illegible]	1.27	2.84	1.85	
[illegible]	.31	3.[illegible]4	.64	.29	1.0[illegible]	.65	.80	.27	.29	.53	.67	1.4[illegible]	3.38
	1.73	.46	.19	.63	.22	.16	.34	.11	.25	.78	3.93	.33	[illegible].[illegible]3
1	1.7[illegible]	1.12	.5[illegible]	.96	.21	.[illegible]4	.15	.30	1.26	.43	.57	1.92	1.[illegible]2
[illegible]	.44	.89	1.37	4.46	.66	.1[illegible]	.5[illegible]	.82	.22	.53	.38	.64	[illegible].44
[illegible]	.1[illegible]	.1[illegible]	.1[illegible]	.15	.63	.19	.65	.60	.21	.90	1.56	1.29	1.56
[illegible]	.8[illegible]	.[illegible]3	.51	.6[illegible]	3.62	.61	.32	.1[illegible]	.69	.57	1.19	.21	3.62
[illegible]5	.21	1.3[illegible]	1.2[illegible]	.34	.[illegible]3	.[illegible]9	.43	.14	.1[illegible]	.34	3.84	.1[illegible]	[illegible]. 4
[illegible]6	.47	2.45	1.51	2.35	.1[illegible]	.17	.22	.16		.56	.25	.1[illegible]	
7	.0[illegible]	1.[illegible]4	.61	1.00	2.03	.33	.32	.32	.2[illegible]	.23	.43	.54	[illegible]. 3
7	.[illegible]0		.4[illegible]	.90	1.81		.1[illegible]	.33	.24	5.32	1.85	1.21	
[illegible]	3.[illegible]3	2.[illegible]7	1.4[illegible]	.31	.9[illegible]	.30	.19	.46	.29	.46	1.[illegible]2	3.6[illegible]	3.62
MEAN													
S.D													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	HAVEN HAY, MI	45-46, 52-55, 57-65, 68-82

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
	5.63	1.45	.99	1.25	2.03	.59	1.05	.71	.24	.54	.25	1.7[illegible]	5.89
	.56	.29	.43	6.[illegible]8	1.51	.11	.34	1.28	.23	.75	.47	1.93	6.[illegible]8
	3.56	.69	3.95	.66	.[illegible]7	2.61	.77	.90	1.24	2.21	1.33	1.00	3.95
MEAN	2.3[illegible]	1.35	1.84	1.61	.9[illegible]	.4[illegible]	.46	.[illegible]5	.6[illegible]	.89	1.[illegible]5	1.2	[illegible].7
S.D.	.1[illegible]7	.995	2.295	1.[illegible]56	.9[illegible]3	.51[illegible]	.245	.6.0	.[illegible]22	.955	1.472	.851	2.251
TOTAL OBS.	[illegible]	7[illegible]6	837	7[illegible]0	[illegible]37	[illegible]40	899	[illegible]9	[illegible]80	899	[illegible]1[illegible]	899	1[illegible]2

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] BAY, HI | 4E-4C, 52-55, 57-65, 68-82
STATION | STATION NAME | YEARS

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

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
6											.29		PRECIP
					.3			1.40					PRECIP
47				1.2									PRECIP
	2.04												PRECIP
		3.47		.27									PRECIP
7							.10				1.43		PRECIP
5									.39				PRECIP
5	1.01												PRECIP
					.2								PRECIP
6									1.57				PRECIP
7		.43				.71							PRECIP
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	45-47, 52-55, 57-65, 68-82

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
4													
47													
3													
4													
5													
4													
5													
6													
71													
4													
5													
6													
7													
7													
7													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SN FALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | [illegible] BAY, HI STATION NAME | 45-4 , 52-55, 57-65, 68-82 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	•	•	•	•	•	•0	•0	•0	•	•0	•	•	•0
1	•	•	•	•	•	•0	•0	•0	•	•0	•0	•	•
[illegible]	•	•	•	•	•	•0	•0	•0	•	•0	•0	•	•
MEAN	• 0	• 0	•00	•00	•00	•00	•00	•00	•00	•00	•00	•00	•00
S D	• 03	•000	•000	•000	•000	•000	•000	•000	•000	•000	•000	•000	•000
TOTAL OBS	50	622	806	750	806	810	930	899	780	868	840	868	9785

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | RALEIGH DAY, NC STATION NAME | 45-4 , 52-55, 57-65, 68-82 YEARS

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

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]					[illegible]			[illegible]					SNOWFALL DAYS
47				27					[illegible]				SNOWFALL DAYS
[illegible]	[illegible]												SNOWFALL DAYS
[illegible]		[illegible]		[illegible]									SNOWFALL DAYS
[illegible]									1			0	SNOWFALL DAYS
5													SNOWFALL DAYS
5		[illegible]							[illegible]				SNOWFALL DAYS
[illegible]										15			SNOWFALL DAYS
[illegible]		17	15	14	14								SNOWFALL DAYS
[illegible]	[illegible]												SNOWFALL DAYS
[illegible]					[illegible]								SNOWFALL DAYS
6									[illegible]				SNOWFALL DAYS
7[illegible]		[illegible]				[illegible]							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
[illegible]	[illegible] BAY, MI	4[illegible]-4[illegible], 48-49, 52-55, 57-65, 66-82

DAILY SNOW DEPTH IN INCHES

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	41-46, 48-49, 52-55, 57-65, 69-82

DAILY SNOW DEPTH IN INCHES

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	MANTEO BAY, NC	47-49, 52-55, 57-65, 68-82

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

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47					1	0	0		0	0	0	0	SNO DPTH DAYS
48		0		0	0	0	0	0	1		0	0	SNO DPTH DAYS
49		0		0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
52	0	1	0		0	0	0		0	0		0	SNO DPTH DAYS
53				0									SNO DPTH DAYS
54									0		0	0	SNO DPTH DAYS
55					0								SNO DPTH DAYS
57		0							0				SNO DPTH DAYS
58										1F			SNO DPTH DAYS
59		1	1F	14	14				0				SNO DPTH DAYS
60	0												SNO DPTH DAYS
61					1								SNO DPTH DAYS
62									00				SNO DPTH DAYS
63		0				0							SNO DPTH DAYS
MEAN													
S D													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

[illegible] / STATION — [illegible] STATION NAME — 1 46-1949 1953-1955 9999-9999 / YEARS

JANUARY / MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	73	1961			
2	[illegible]	60	1969			
3	2.[illegible]	75	1969			
4	1.12	28	1969			
5	1.22	31	1971			
6	1.[illegible]	35	1982			
7	.[illegible]	128	1963			
8	[illegible]	150	1980			
9	[illegible]	19	1976			
10	4.[illegible]	122	1980			
11	3.[illegible]	[illegible]	1979			
12	1.21	[illegible]	1975			
13	1.[illegible]	32	1971			
14	[illegible]	23	1960			
15	[illegible]	21	1953*			
16	.[illegible]	166	1949			
17	2.40	61	1953*			
18	[illegible]	15	1949			
19	1.[illegible]	39	1982			
20	[illegible]	80	1982			
21	3.5[illegible]	9[illegible]	1982			
22	[illegible]	11	1963			
23	.[illegible]	214	1972			
24	[illegible]	[illegible]	1948			
25	[illegible]	46	1946			
26	[illegible]	44	1978			
27	2.47	63	1948			
28	1.2[illegible]	31	1967			
29	[illegible]	10	1947			
30	.31	8	1969			
31	[illegible]	56	1946			
Monthly	.[illegible]	214	1972			

FEBRUARY / MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.48	99	1969			
2	[illegible].40	10	1946			
3	1.[illegible]3	39	1979			
4	[illegible].57	14	1975			
5	[illegible].78	20	1948			
6	2.43	62	1976			
7	3.15	8[illegible]	1955			
8	3.47	88	1949			
9	[illegible].46	12	197[illegible]			
10	1.[illegible]1	38	1979			
11	1.[illegible]4	39	1977			
12	[illegible].90	23	1955			
13	[illegible].40	10	1963			
14	[illegible].34	[illegible]	1961			
15	[illegible].51	13	1969			
16	[illegible].93	24	1962			
17	[illegible].43	11	1955			
18	[illegible].55	14	1979			
19	2.17	55	1979			
20	1.49	38	1979			
21	[illegible].99	25	1979			
22	2.66	68	1955			
23	3.70	94	1955			
24	2.41	61	1955			
25	1.68	43	1948			
26	[illegible].35	10	1954			
27	1.4[illegible]	37	198[illegible]			
28	2.31	59	1958			
29	[illegible].12	3	1964			
30						
31						
Monthly	3.[illegible]8	99	1969			

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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

2511 — STATION
[illegible] BAY, HI — STATION NAME
1946-1949 1953-1955 9999-9999 — YEARS

MARCH — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	[illegible]	1963			
2	[illegible]	13	1972			
3	[illegible]	[illegible]	1972			
4	[illegible]	38	1976			
5	11.21	285	1958			
6	[illegible]	35	1958			
7	[illegible]	16	1960			
8	[illegible]	31	1962			
9	[illegible]	33	1976			
10	[illegible]	40	1953			
11	[illegible]	[illegible]	1953			
12	[illegible]	150	1982			
13	[illegible]	45	1962			
14	[illegible]	46	1967			
15	[illegible]	13	1969			
16	[illegible]	15	1980			
17	[illegible]	39	1954			
18	[illegible]	38	1979			
19	[illegible]	25	1980			
20	[illegible]	14	1971			
21	[illegible]	21	1961			
22	[illegible]	108	1955			
23	[illegible]	12	1964			
24	[illegible]	25	1964			
25	[illegible]	19	1953			
26	[illegible]	[illegible]	1967			
27	[illegible]	10	1982			
28	[illegible]	33	1975			
29	[illegible]	34	1947			
30	[illegible]	[illegible]	1947			
31	[illegible]	16	1969			
Monthly	11.21	285	1958			

APRIL — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.42	11	1948			
2	2.66	68	1963			
3	2.34	59	1963			
4	0.76	19	1977			
5	0.98	25	1963			
6	1.61	41	1945			
7	0.99	25	1946			
8	1.11	28	1945			
9	0.36	9	1962			
10	1.20	30	1947			
11	0.35	[illegible]	1974 *			
12	0.32	[illegible]	1963			
13	3.89	99	1963			
14	6.[illegible]	154	1981			
15	7.29	185	1963			
16	4.18	106	1945			
17	2.35	60	1976			
18	0.67	17	1977			
19	0.60	15	1974			
20	0.90	23	1970			
21	1.76	45	1964			
22	0.37	9	1976			
23	0.83	21	1945			
24	2.31	59	1948			
25	0.74	19	1958			
26	0.43	11	1963			
27	0.35	9	1982			
28	0.48	12	1981			
29	1.47	37	1954			
30	1.18	30	1961			
31						
Monthly	7.29	185	1963			

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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

[illegible] — [illegible] BAY, HI — 1 46-1949 1953-1955 9999-9999
STATION — STATION NAME — YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	43	1945			
2	1.0[illegible]	27	1969			
3	[illegible]	13	1962			
4	[illegible]	12	1963			
5	1.33	34	1962			
6	1.[illegible]1	38	1981			
7	1.23	31	1981			
8	[illegible]	6	1981			
9	[illegible]	7	1977			
10	[illegible]	[illegible]	1979			
11	[illegible]	17	1972			
12	[illegible]	52	1977			
13	[illegible]	[illegible]	1965			
14	[illegible]	[illegible]	1963			
15	[illegible]	22	1974			
16	[illegible]	6	1959			
17	[illegible]	4	1978			
18	[illegible]	12	1979			
19	[illegible]	5	1947			
20	[illegible]	7	1946			
21	[illegible]	22	1978			
22	[illegible]	3	1978			
23	1.[illegible]1	46	1973			
24	[illegible]	4	1977			
25	[illegible]	21	1953			
26	[illegible]	11	1970			
27	[illegible]	17	1955			
28	[illegible]	6	1985			
29	[illegible]	6	1963			
30	1.[illegible]	47	1985			
31	[illegible]	52	1985			
Monthly	[illegible]	52	1974			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.58	15	1980			
2	[illegible]	25	1946			
3	0.16	4	1972			
4	0.24	6	1946			
5	0.33	[illegible]	1977			
6	[illegible]	12	1982			
7	0.19	5	1961*			
8	[illegible]	7	1961			
9	[illegible]	6	1946			
10	[illegible]	17	1969			
11	[illegible]	[illegible]	1953			
12	0.11	3	1985			
13	0.30	[illegible]	1979			
14	0.[illegible]3	11	1967			
15	0.[illegible]4	21	1971			
16	0.4[illegible]	12	1971			
17	2.[illegible]1	66	1982			
18	0.19	5	1979			
19	0.19	5	1977*			
20	1.[illegible]1	33	1947			
21	0.[illegible]1	13	1979			
22	0.[illegible]3	11	1986			
23	0.21	5	1974			
24	0.16	4	1971			
25	0.32	[illegible]	1960			
26	0.39	10	1968			
27	0.[illegible]4	11	1960			
28	0.34	[illegible]	1960			
29	0.48	12	1948			
30	0.3[illegible]	9	1958			
31						
Monthly	2.[illegible]1	66	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

[illegible] | [illegible] BAY, HI | 1 45-1949 1952-1955 0999-0999
STATION | STATION NAME | YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	10	1961			
2	[illegible]	12	1959			
3	[illegible]	10	1947			
4	[illegible]34	9	1954			
5	[illegible]	10	1959			
6	[illegible]1	4	1975			
7	[illegible]	17	1980			
8	[illegible]	13	1946			
9	[illegible]	17	1973			
10	[illegible]	13	1954			
11	[illegible]	14	1954			
12	[illegible]	7	1958			
13	[illegible]	11	1945			
14	[illegible]	12	1963			
15	[illegible]	9	1947			
16	[illegible]	10	1982			
17	[illegible]	12	1961			
18	[illegible]	13	1975			
19	[illegible]2	6	1948			
20	[illegible]10	3	1968*			
21	[illegible]	[illegible]	1964			
22	[illegible]	10	1982			
23	[illegible]	16	1952			
24	[illegible]	9	1982			
25	[illegible]	16	1964			
26	[illegible]	20	1969			
27	[illegible]	11	1980			
28	[illegible]20	25	1954			
29	[illegible]	27	1969			
30	[illegible]	9	1954			
31	[illegible]1	4	1961			
Monthly	[illegible]	27	1969			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible].30	[illegible]	197[illegible]			
2	[illegible].69	18	1958			
3	[illegible].43	11	1963			
4	1.2[illegible]	33	1981			
5	[illegible].20	15	1946			
6	[illegible]	71	1956			
7	[illegible].40	10	1959			
8	1.[illegible]4	49	1958			
9	[illegible].28	7	1959			
10	[illegible].34	[illegible]	1955			
11	[illegible].43	11	1981			
12	[illegible].25	7	1977*			
13	[illegible].30	[illegible]	1971			
14	[illegible].41	10	1958			
15	[illegible].25	6	1982			
16	[illegible].90	23	1982			
17	[illegible].35	9	1959			
18	[illegible].32	8	1955			
19	[illegible].18	5	1961			
20	[illegible].27	7	1964			
21	[illegible].30		1978			
22	[illegible].09	2	1982			
23	[illegible].63	16	1954			
24	1.[illegible]0	25	1945			
25	[illegible].45	12	1957			
26	[illegible].48	12	1979			
27	1.[illegible]	41	1946			
28	1.2[illegible]	30	1946			
29	[illegible].33	[illegible]	1978			
30	[illegible].27	7	1955			
31	[illegible].10	[illegible]	1952			
Monthly	[illegible]	71	1959			

* 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

[illegible] / STATION | [illegible] BAY, HI / STATION NAME | 1 45-1949 1952-1955 9999-9999 / YEARS

[illegible] / MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.[illegible]	56	1968			
2	.[illegible]	1[illegible]	1974			
3	.[illegible]	6	1947			
4	.[illegible]	25	1947			
5	.[illegible]	17	1959			
6	.[illegible]	45	1947			
7	1.2[illegible]	31	1982			
8	.[illegible]	7	195[illegible]			
9	.[illegible]	7	1974			
10	.[illegible]	[illegible]	194[illegible]			
11	.[illegible]	5	19[illegible]			
12	.[illegible]	6	1975			
13	.[illegible]	4	1957			
14	.[illegible]	4	1946			
15	.[illegible]	6	1958			
16	.[illegible]	9	1962			
17	.[illegible]	14	1967			
18	.[illegible]	6	1981			
19	.[illegible]1	5	1958			
20	.[illegible]2	6	1969			
21	.34	9	1960			
22	.[illegible]1	26	1964			
23	.[illegible]	15	1947			
24	.[illegible]	32	1971			
25	.[illegible]	25	1961			
26	.[illegible]	7	1956			
27	.[illegible]	7	1976			
28	.[illegible]4	11	1965			
29	.[illegible]	15	1965			
30	.[illegible]	47	1976			
31						
Monthly	.[illegible]0	56	1968			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1968			
2	0.34	9	1970			
3	0.40	10	1970			
4	1.34	34	1963			
5	0.73	19	1982			
6	0.22	6	1975			
7	0.34	9	1975			
8	1.02	26	1946			
9	0.30	[illegible]	1946			
10	0.[illegible]8	22	1954			
11	0.[illegible]3	13	1969			
12	1.01	26	1961			
13	0.36	9	1973			
14	0.[illegible]0	20	1973			
15	0.[illegible]1	15	1961			
16	0.[illegible]0	20	1952			
17	1.[illegible]0	33	1964			
18	0.47	12	1960			
19	1.07	27	1960			
20	0.[illegible]1	15	1960			
21	0.28	7	1969			
22	0.42	11	1968			
23	0.15	4	1963			
24	0.1[illegible]	4	1980			
25	0.76	19	1947			
26	0.[illegible]5	19	1982			
27	1.[illegible]9	45	1982			
28	0.71	18	1982			
29	[illegible].21	56	1982			
30	[illegible].32	135	1978			
31	2.65	67	1978			
Monthly	[illegible].32	135	1978			

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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

[illegible] | [illegible] BAY, MT | 1945-1949 1952-1955 9999-9999
STATION | STATION NAME | YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible]	[illegible]	[illegible]			
2	[illegible]	47	1978			
3	[illegible]	15	1978			
4	[illegible]	[illegible]	1981			
5	[illegible]	[illegible]	[illegible]			
6	[illegible]	[illegible]	1972			
7	1.44	37	1948			
8	[illegible]	[illegible]	1956			
9	[illegible]	6	1978			
10	[illegible]	68	1947			
11	[illegible]	[illegible]	[illegible]			
12	[illegible]	[illegible]	1969			
13	[illegible]	46	1946			
14	[illegible]	[illegible]	[illegible]			
15	[illegible]	31	1946			
16	[illegible]	[illegible]	1981			
17	[illegible]	[illegible]	1974			
18	[illegible]	7	1961			
19	[illegible]	34	1952			
20	[illegible]	[illegible]	[illegible]			
21	[illegible]	33	1957			
22	1.11	28	1957			
23	[illegible]	[illegible]	1957			
24	[illegible]	46	[illegible]			
25	[illegible]	98	[illegible]			
26	[illegible]	[illegible]	[illegible]			
27	[illegible]	[illegible]	1975			
28	[illegible]	231	1954			
29	[illegible]	141	1954			
30	[illegible]	33	1968			
31						
Monthly	[illegible]	231	1954			

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	34	1968			
2	0.47	12	1957			
3	0.69	18	1968*			
4	1.98	50	1960			
5	1.04	26	1945			
6	1.86	47	1957			
7	1.62	41	1946			
8	1.70	43	1946			
9	2.35	60	1979			
10	2.52	64	1964			
11	0.58	15	1963			
12	0.64	16	1963			
13	0.44	11	1983			
14	1.96	50	1962			
15	0.43	11	1954			
16	1.33	34	1964			
17	2.05	52	1962			
18	0.64	16	1972			
19	2.31	59	1964			
20	1.93	49	1981			
21	1.46	37	1946			
22	0.34	[illegible]	1980			
23	1.00	25	1982			
24	0.84	21	1979			
25	1.85	47	1968			
26	0.66	17	1982			
27	1.45	37	1969			
28	0.88	22	1982			
29	0.66	17	1979			
30	3.62	92	1979			
31	0.45	11	1977*			
Monthly	3.62	92	1979			

* 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

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION | STATION NAME | YEARS

[illegible] | [illegible] AAFB, HI | 45-46, 52-55, 57-65, 66-82

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				SSW 32	SE 1[illegible]	E 33	E 33	E 30	ENE 30	E 38	N 4		
46	[illegible] 29	ENE 3[illegible]	E 29	E 29	NE 21	E 26	E 31	E 30	E 35	E[illegible] 38	NNW 38	E 43	[illegible] 43
47	NW 3[illegible]	ENE 37	E 37		ENE 41	ENE 34	ENE 30	E 33	E 31	E 38	E 34	E 47	
48	[illegible] 53	E 35	E 42	E 36	E 36	E 31	E 37	E 32	E 33	[illegible]	[illegible] 40	E 42	
49	[illegible] 53	S 36	E 36										
50						E	E 24	E E 23	ENE 29	NNE 25	NE 35	E 34	
51	[illegible] 37	E 36	E E 33	[illegible] 34			E 30	ENE 30	SE 32	ENE 36	ENE 37	E 37	
52	SW 61	N [illegible]	NNE 51	SSW 52				[illegible] 32	ENE 35			NNW [illegible]	
53		SSE 42		E E 40	ENE 33		ENE 3[illegible]			ENE 28	SSW 43	SE 41	
54	NNW 3[illegible]	SSW 36	SW 30	E	33	ENE 29	NE 31	E 30	E E 46	ENE 29			
55					E E 33	ENE 30	E 31	S[illegible] 43	E 29	E 26	NE 39	E NE 4[illegible]	
56	SSE 4[illegible]	N 39	SSW 33	E 29	ENE 31	E 29	NE 28	E 28	E 34	E NE 28	E 30	NE 23	ENE 4[illegible]
57	[illegible] 36	E 36	E 37	E E 36	E 30	E E 36	E 40	E 37	E 30	E NE 36	E NE 39	E 3[illegible]	E 4[illegible]
58	S 43	NNW 32	SW 34	E 28	E NE 29	ENE 27	E NE 28	E NE 26	ENE 27	E 34	ENE 31	SSW 39	SSW 43
59	[illegible] 73	SW 65	NW 41	NE 34	NNE 30	ENE 31	ENE 28	E NE 24	E 32	NE 26	E NE 26	NW 34	SW 73
60	[illegible] 32	NE 33	NNE 30	E NE 32	E NE 29	NE 32	NE 28	E NE 28	E NE 28	NNE 32	NE 35	[illegible] 5[illegible]	S 54
61	[illegible] 33												
62								NE 28	E 23		NNE [illegible]	NW [illegible]	
63	[illegible] 40	NE 35	NE 28	E 33	NE 31	NE 25	NE 30	NE 27	E NE 25	E NE 25	NE 32	NNW 4[illegible]	NW [illegible]
64	SSW 83	NNW 35	NE 31	NE 29	NE 29	NE 28	NE 30	NE 25	NE 26	NE 30	SW 29	NE 3[illegible]	SSW [illegible]
65	[illegible] 55	05 36	18 39	05 30	05 25	04 24	05 28	05 26	16 26	04 27	04 32	06 3[illegible]	S [illegible]
66	11 28	18 45	17 37	06 23	02 26	05 28	09 29	05 27	06 33	09 25	09 31	21 32	13 4[illegible]
67	16 23	03 27	09 32	08 33	11 29	09 31	06 31	09 29	07 27	09 27	07 29	27 33	16 73
68	24 44	07 26	24 44	08 32	10 27	09 25	08 27	01 28	14 28	07 27	34 29	08 31	24 44
69	7 33	04 23	34 30	07 32	12 29	09 29	06 25	06 26	09 28	11 27	1[illegible] 30		
70		20 47		19 31			19 24			19 23	2[illegible] 31		
71		02 29	01 33	05 27	18 29	08 27	07 29		17 27	04 34	09 32	24 33	
72	21 33	01 25	26 27	09 29	11 28	10 31	19 27	11 25	19 27	03 25	35 29	09 34	09 34
73	21 40	21 41	30 33	09 29	08 27	08 28	06 27	[illegible] 9 24	09 26	[illegible] 9 29	35 30	26 37	21 41
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | [illegible]AY, HI STATION NAME | 45-47, 52-55, 57-65, 68-82 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
	2[illegible] 6[illegible]	35 3[illegible]	[illegible]9 3[illegible]	[illegible]0 3[illegible]	[illegible]08 28	10 28	10 28	09 25	09 27	0[illegible] 34	09 28	32 3[illegible]	23 [illegible]
1	2[illegible] 34	27 52	09 37	00 2[illegible]		07 29	10 29	03 26	07 27	09 37	08 35	27 37	
[illegible]	24 4[illegible]	24 54	07 37	08 24	2[illegible] 27	[illegible]8 24	[illegible] 27	10 35	10 32	0[illegible] 30	21 [illegible]	05 2[illegible]	21 [illegible]
MEAN	[illegible]3.6	37.9	3[illegible].4	31.8	28.8	29.0	29.7	29.4	29.1	3[illegible].2	34.9	37.[illegible]	31.5
S D	[illegible]4.573	9.625	5.598	5.297	4.472	3.113	3.897	5.548	3.147	4.858	9.789	6.31[illegible]	16.[illegible]37
TOTAL OBS.	767	754	768	768	733	716	859	832	630	8[illegible]2	835	8[illegible]2	9496

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	[illegible]	45-4[illegible], 52-55, 57-65, 69-82

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

YEAR \ MONTH	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]				E 4[illegible] 21									[illegible] DAYS
										4[illegible] 16			WINDS DAYS
				[illegible]									WINDS DAYS
[illegible]					NE 2[illegible] 1[illegible]	E [illegible]							WINDS DAYS
4					3[illegible] 24	[illegible] 24 1	[illegible] 31 11			NE 37 E 47 27 25			WINDS DAYS
5	5[illegible] 28		N 3[illegible] 24			E 32 [illegible]		SE 34 E 24 27 5					WINDS DAYS
[illegible]						[illegible]	[illegible]			E [illegible] 23			WINDS DAYS
[illegible]												D[illegible] 21 11	WINDS DAYS
[illegible]	[illegible] 24 2		D[illegible] 32 [illegible]5		6 25 [illegible]5	11 29 26		[illegible] E [illegible] 14	[illegible]07 21 16			18 2[illegible] 25	WINDS DAYS
[illegible]7	[illegible] 31 2[illegible]							[illegible]6 2					WINDS DAYS
[illegible]					[illegible] 3[illegible] 2[illegible]								WINDS DAYS
MEAN													
S D													
TOTAL OBS													

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] PA [illegible] BAY, HI | STATION NAME | YEARS: [illegible] | MONTH: JAN

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

CONDITION:

SPEED (KNTS) DIR.	1 - 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]	.3	.3							1.[illegible]	2.3
NNE	[illegible]	[illegible]	1.3	.3								2.[illegible]	7.5
NE	[illegible]	1.[illegible]	2.3									4.5	6.[illegible]
ENE	1.[illegible]	1.[illegible]	4.[illegible]	2.6	1.[illegible]							11.[illegible]	[illegible].6
E	1.[illegible]	2.3	6.5	2.7	1.[illegible]							13.[illegible]	9.6
ESE	[illegible]	[illegible]	[illegible]	[illegible].7								1.[illegible]	8.2
SE	[illegible]	[illegible].3	[illegible]	.3								[illegible].3	5.3
SSE	[illegible]	1.[illegible]	1.[illegible]									3.[illegible]	4.5
S	[illegible]	3.[illegible]	1.3	1.[illegible]								3.[illegible]	6.0
SSW	[illegible].5	1.[illegible]	.3	.6	.3							2.4	[illegible].[illegible]
SW	[illegible].[illegible]	.6	1.[illegible]	.3		[illegible].3						5.[illegible]	6.2
WSW	[illegible].[illegible]	1.3	1.[illegible]	.6	.6		[illegible].[illegible]	.3				[illegible].[illegible]	[illegible].3
W	1.[illegible]	1.3	.3		.3	.3						3.[illegible]	7.5
WNW	[illegible].[illegible]	1.[illegible]										1.[illegible]	3.5
NW	1.[illegible]	.[illegible]	.3									1.[illegible]	8.5
NNW	[illegible].[illegible]	.3	.3	.3	.3							1.6	[illegible].6
VARBL													
CALM												15.[illegible]	
	2.2	22.0	21.3	14.2	4.2	[illegible].[illegible]	.3	.3				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ KANEOHE BAY, HI STATION NAME _____ 73-82 YEARS _____ JAN MONTH

ALL WEATHER CLASS _____ 16 HOURS (L.S.T.)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	1.0	.7	.6								2.3	7.4
NNE	.0		.3	.3								[illegible]	7.5
NE	.0	1.3	1.0	1.6								4.5	7.8
ENE	1.0	1.1	5.0	2.6								11.1	[illegible]
E	.0	2.3	5.1	5.2	1.6							17.4	10.2
ESE	.0	.3	1.6									2.0	5.5
SE	.0	.0	.3									1.6	4.9
SSE	.0	1.0	.7									3.7	7.4
S	3.0	2.0	1.0									7.9	4.2
SSW	.0	2.0	.6	1.3	.3							4.5	7.1
SW	.0	2.3	.6	1.0								4.1	[illegible]
WSW	1.0	.0	.3	.6	.3	.6						3.5	[illegible]
W	.0	1.0	.6			.0						4.0	4.8
WNW	.0	1.0					.0					2.3	7.7
NW	.0	1.0	1.0									[illegible]	[illegible]
NNW	.0	.0		.0								.6	[illegible]
VARBL													
CALM												10.1	
	1.0	20.0	23.0	13.5	2.3	1.0	.3					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____ [illegible]

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] HONOLULU BAY, HI 47-92 JAN
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		.4	.4	.7								1.5	5.3
NNE		1.0	1.0	.3								2.4	6.4
NE	1.0	1.4	1.6	1.3								5.4	7.3
ENE	.4	2.4	2.6	2.3	.6							8.4	9.1
E	.9	1.3	.7	5.5	1.0							17.7	9.7
ESE			1.0	1.3								2.4	11.3
SE	.4		.4									.8	5.0
SSE	.9	1.0	.3									2.3	9.6
S	.4	3.4	2.4	1.3	.3							12.3	9.5
SSW	.9	2.4	.3	.3	.3							3.7	11.4
SW	1.0	1.4	1.6		.3							3.5	6.2
WSW	.3	1.0		.3	.3							2.4	5.3
W	1.0	.4	1.3	.6	.6							5.2	7.7
WNW	.4	1.3	1.0									2.7	5.4
NW		.9	.3									1.2	5.5
NNW		.4	.3	.3								1.0	10.0
VARBL													
CALM												1.1	
	1.3	20.3	24.3	14.2	3.5							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

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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 JAN

CLASS ALL PAIRED 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	3.	1.	.4	1.3								7.4	5.2
NNE	.9	2.	1.7	1.								5.	5.8
NE	.4	1.	2.3	.6								4.5	7.1
ENE		.8	3.2	4.5	.6							13.	10.3
E		1.	6.	7.7	2.3							15.	11.6
ESE	1.	1.7	2.6	2.3	.3							7.7	8.6
SE	.4	.4	1.	.3								3.	7.
SSE	.3	1.1	.4	.3								4.5	4.3
S	.4	2.	1.3	.6	.3							4.5	7.2
SSW	.4	.4	1.1	1.3	1.							4.	10.7
SW	1.	.4	.4	1.3	.3	.3						3.5	7.9
WSW	.4		1.	.6	.3							2.	9.2
W	.9	.4	.4	.6								2.	6.2
WNW	.4		.4									.4	5.5
NW	.4	1.		.3								1.	4.4
NNW	1.		.4	1.1	.3							3.5	6.1
VARBL													
CALM												10.0	
	1.2	1.0	23.	24.5	5.5	.3						100.	7.7

TOTAL NUMBER OF OBSERVATIONS 1.

3

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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 JAN

CLASS ALL WEATHER

HOURS (L S T) 16

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.	2.3	1.6		.4						10.3	8.0
NNE	1.	3.0	4.7	1.3								10.3	6.9
NE	1.7	2.	1.5	1.7	.2							7.1	7.2
ENE	.	2.6	5.2	5.2	.3							13.5	7.6
E	.7	1.1	4.5	7.4	1.7							15.5	11.1
ESE		1.	1.	1.2								6.1	10.1
SE	.1	1.7	1.	.6	.2							4.5	7.8
SSE	.	1.2	.1	.2								2.2	6.3
S		1.	1.7	1.4								4.2	9.1
SSW	.1	1.	2.7	.7								3.	.2
SW	.	.4	1.4	1.6	.3	.6						4.	11.4
WSW		.	1.1	1.6	1.3	.3		.2				5.	14.0
W		.	.6	.6	.3							1.2	12.2
WNW		.										.1	4.5
NW	1.2		.1	.3								1.6	8.2
NNW	.6	.1	.1	1.9								3.	9.5
VARBL													
CALM												1.	
	.2	2.1	30.6	27.9	3.7	1.6		.2				100	9.1

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

*U.S. GPO 1984 741 348/201

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 [illegible]

CLASS ALL CAPE

HOURS (LST) [illegible]

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	1[illegible]	3.[illegible]								11[illegible]	7.4
NNE	2[illegible]	3[illegible]	2[illegible]	.3	.3							[illegible].7	[illegible].1
NE	1[illegible]	3[illegible]	1[illegible]	.4								[illegible]0[illegible]	5.7
ENE	[illegible]	3[illegible]	[illegible].2	3.2	.6							14.2[illegible]	.6
E	.[illegible]	1[illegible]	[illegible].4	7.7	1[illegible]							[illegible].1	11[illegible]
ESE	.[illegible]	1[illegible]	1.5	.4	.3							8[illegible]	9[illegible]
SE	.[illegible]	.[illegible]	.4	.3								[illegible].3	[illegible].8
SSE		.[illegible]	.3									.[illegible]	7.[illegible]
S	.[illegible]	2.[illegible]	1.[illegible]	.4	.6							6[illegible]	7.9
SSW	.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.3	.3						[illegible].[illegible]	.6
SW	.[illegible]	1.[illegible]	1.[illegible]	.3	1.3	.3						[illegible].[illegible]	11.2
WSW	[illegible].[illegible]	.[illegible]	.6	1.[illegible]		.[illegible]						3.[illegible]	.1
W	.[illegible]	.[illegible]	.3	.6								1[illegible]	8.8
WNW	.[illegible]	.3										.[illegible]	3.[illegible]
NW		.[illegible]		.[illegible]								.[illegible]	6.[illegible]
NNW	.[illegible]	1.3	1.[illegible]	1.[illegible]								7[illegible]	7.3
VARBL													
CALM												.7	
	12.7	27.7	29.4	21.5	4.5	1.[illegible]						1 0.[illegible]	.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

*U.S. GPO 1964 741 348 201

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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 ALL WEATHER HOURS (LST)

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

3

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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) 2

CONDITION _____

SPEED (KNTS) DIR.	1 - 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 _____

*U.S. GPO 1984 741-348/201

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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: [illegible] MONTH: JAN

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	1.0	1.0	1.1	1.1	.1	.1						5.1	7.5
NNE	.4	1.7	2.0	.6	.2							5.2	6.3
NE	.2	2.0	1.4	.9	.2							4.3	5.7
ENE	.4	3.3	4.3	1.3	.5							11.1	6.7
E	.4	2.1	6.0	7.2	1.2							16.9	10.1
ESE	.4	.4	1.4	1.2	.1							3.7	9.1
SE	.4	.4	.4	.2	.1							1.2	6.6
SSE	1.2	.4	.4	.2								2.1	4.5
S	.1	2.0	1.5	.5	.2							4.8	6.2
SSW	.2	2.1	1.2	.7	.3	.1						4.6	6.5
SW	1.0	1.1	1.3	.7	.6	.2	.0					4.8	7.5
WSW	1.0	.4	.4	.5	.0	.2	.1	.1				2.1	5.0
W	1.1	.4	.4	.5	.2	.1						2.2	5.5
WNW	.4	.3	.2	.1			.0					1.0	4.4
NW	.4	.5	.3	.1								1.3	5.6
NNW	.4	.2	.5	.1	.1							2.2	6.6
VARBL													
CALM												11.0	
	11.1	21.3	25.0	19.3	3.5	.4	.2	.1				100.1	7.1

TOTAL NUMBER OF OBSERVATIONS 2410

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ PEARL HARBOR, HI STATION NAME _____ 52-82 YEARS _____ FEB MONTH

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.2	.7								1.6	10.6
NNE	.3	1.0	1.1	.7								3.1	6.7
NE	1.0	2.5	2.1	1.3								6.2	7.7
ENE	1.0	1.6	6.	5.3								14.5	9.9
E	.9	2.1	3.6	6.7	1.1							15.9	10.2
ESE		1.0	2.	2.6								7.1	9.6
SE			.6									.6	7.0
SSE	.3	.3										1.6	3.5
S	.2	.7	.7		.6							2.0	8.1
SSW	.2	1.0	2.1		1.1	.3						4.	7.7
SW	.3	1.3		.7								2.3	6.2
WSW	.1	1.0	.6	.7								2.3	5.1
W	1.0		1.1			.6						2.	7.6
WNW	.6	.2										1.1	4.3
NW		.3										.1	3.5
NNW	.6	1.0	.3	.7								3.2	6.
VARBL													
CALM												10.	
	3.9	13.4	27.3	32.2	2.5	1.1						100.1	6.6

TOTAL NUMBER OF OBSERVATIONS 732

3

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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] BAY, MS | YEARS: [illegible]-[illegible] | MONTH: FEB

CLASS: ALL WEATHER | HOURS (L.S.T.): 06

CONDITION:

SPEED (KNTS) DIR.	1 - 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	.[illegible]	1.4	.4							3.[illegible]	10.1
NNE	.[illegible]		.1									2.[illegible]	7.9
NE	1.[illegible]	4.[illegible]	1.[illegible]	1.4								[illegible].2	[illegible].2
ENE	.1	3.2	[illegible].3	3.9	.4							13.[illegible]	[illegible].7
E	1.[illegible]	2.[illegible]	[illegible].5	5.7	1.1							20.6	[illegible].5
ESE		.1	2.1	.7								3.[illegible]	[illegible].6
SE	.[illegible]	.[illegible]	.[illegible]		.4							2.1	7.7
SSE		.[illegible]	.7									1.1	[illegible].2
S	.[illegible]	.7	.[illegible]		.7							5.7	4.8
SSW	.[illegible]	2.[illegible]	.[illegible]	.7		.4						7.1	5.7
SW	.2	1.4		.7	.4							5.[illegible]	[illegible].4
WSW	.[illegible]	1.1	.[illegible]									4.[illegible]	[illegible].0
W	.1	1.1	.[illegible]	.4								3.2	[illegible].9
WNW	.1	2.[illegible]	1.1									[illegible].[illegible]	4.7
NW	.[illegible]	.[illegible]										.[illegible]	2.[illegible]
NNW	.[illegible]		.[illegible]									.[illegible]	[illegible].[illegible]
VARBL													
CALM												1.[illegible]	
	[illegible].0	23.4	[illegible].2	16.0	[illegible].2	.4						[illegible].0	6.5

TOTAL NUMBER OF OBSERVATIONS: [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 1 — STATION
[illegible] BAY, HI — STATION NAME
[illegible]-82 — YEARS
FEB — MONTH
ALL WEATHER — CLASS
08 — 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]
NNE	[illegible]		[illegible]	[illegible]								[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSE	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
S	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SW	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WSW	[illegible]	[illegible]	[illegible]		[illegible]							[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
WNW	[illegible]	[illegible]		[illegible]								[illegible]	[illegible]
NW	[illegible]		[illegible]									[illegible]	[illegible]
NNW		[illegible]	[illegible]									[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] PEARL HARBOR, HI [redacted] FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 1
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.6	1.6	.4	1.1							7.1	7.4
NNE	1.6	2.6	4.7	.4	.4							9.7	6.7
NE	.6	.7	4.7	2.9								8.0	7.1
ENE	.6	2.1	4.6	5.7	.7							13.6	10.2
E	1.1	2.6	5.6	12.6	5.1							27.4	11.3
ESE			.7	2.1	.4							6.7	10.7
SE		1.1	.6									1.1	8.0
SSE	.6	1.6		.6								2.8	6.3
S	1.1	.7	1.6	.4								3.7	6.7
SSW		.6	.7	1.1	.7							2.7	11.4
SW		1.1	.6	.4	.4							2.5	7.1
WSW	.6	.6	.7	.4								2.1	6.3
W	.6	.7	.6									1.4	4.6
WNW	.6	1.6	.6	.4								2.6	5.5
NW	1.6	.7	.4									2.6	3.9
NNW	2.7	1.1	1.1	.4	.4							5.7	5.7
VARBL													
CALM												.0	
	11.5	17.7	30.1	27.0	8.0							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 252

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / STATION — [illegible] BAY, HI / STATION NAME — 74-82 / YEARS — FEB / 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	.7	[illegible]	[illegible]	2.1								9.6	7.9
NNE		[illegible]	[illegible]	1.6	.8							[illegible].9	[illegible].2
NE	.7	2.1	[illegible].4	2.1								11.3	[illegible].3
ENE		1.[illegible]	[illegible].7	7.8	.7							[illegible]7.[illegible]	10.6
E	.[illegible]	1.4	7.4	8.9	1.6							20.[illegible]	11.4
ESE		1.[illegible]	5.7	[illegible].7								10.3	[illegible].3
SE		1.1	1.[illegible]		.4							3.2	[illegible].7
SSE		.[illegible]	.[illegible]									1.1	7.0
S		.[illegible]	1.1			.[illegible]						1.[illegible]	11.6
SSW		.[illegible]	.[illegible]	.7	.4							[illegible].1	10.7
SW	.[illegible]	.7	1.1	.7	.4		.4					3.[illegible]	11.[illegible]
WSW		[illegible].1	1.1	.4	.4							2.[illegible]	5.5
W	1.1	.[illegible]		.4								2.1	5.3
WNW		.[illegible]	.4	.4								1.1	[illegible].[illegible]
NW		.[illegible]										.[illegible]	[illegible].[illegible]
NNW		.[illegible]	.7	.7								1.[illegible]	9.6
VARBL													
CALM												1.[illegible]	
	[illegible].[illegible]	20.[illegible]	[illegible]0.4	32.1	3.[illegible]	.4	.4					[illegible].0.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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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 KANEOHE BAY, HI YEARS 77-80 MONTH FEB

CLASS ALL WEATHER HOURS (L S T) 17

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.1	1.[illegible]	2.[illegible]								7.1	[illegible].5
NNE	1.[illegible]	2.[illegible]	2.[illegible]	1.[illegible]								[illegible].5	[illegible].9
NE		.2	[illegible].4	.7								11.3	7.7
ENE	.[illegible]	2.5	.2	[illegible].7	.7							16.8	9.5
E	.[illegible]	2.[illegible]	[illegible].[illegible]	[illegible].[illegible]	1.1							[illegible]1.3	1[illegible].6
ESE	.[illegible]	1.[illegible]	2.1	[illegible].[illegible]								5.[illegible]	8.9
SE		1.[illegible]	.[illegible]									1.[illegible]	[illegible].4
SSE	.[illegible]	.[illegible]	.[illegible]	.4								2.1	6.[illegible]
S	.[illegible]		[illegible].1	.[illegible]								3.2	7.4
SSW		.[illegible]	1.1	1.4			.4					3.[illegible]	12.[illegible]
SW	.[illegible]	.[illegible]	.[illegible]	1.1								2.5	[illegible].1
WSW	.[illegible]	.[illegible]	.[illegible]	1.1								2.5	[illegible].6
W	.[illegible]		1.1	.4			.[illegible]					[illegible].1	12.2
WNW		.[illegible]	.[illegible]									1.[illegible]	6.[illegible]
NW		.[illegible]	.[illegible]	.4								1.1	[illegible].3
NNW	1.[illegible]	.4	2.[illegible]	.7								[illegible].e	7.[illegible]
VARBL													
CALM												2.	
	[illegible].1	1.9	40.1	2[illegible].[illegible]	1.[illegible]		.7					1[illegible].[illegible]	[illegible].6

TOTAL NUMBER OF OBSERVATIONS [illegible]2

3

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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 77-82 MONTH FEB

CLASS ALL WEATHER HOURS (L.S.T.) 24

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1		1.1								2.6	7.7
NNE	.4	1.4	.7	1.1								3.6	7.8
NE	1.4	3.4	3.5	2.5								11.0	7.1
ENE	1.1	2.1	5.4	4.4								12.4	9.1
E	.4	2.1	11.3	11.6	1.1							25.5	10.5
ESE	.7	1.1	1.4	.4								3.6	7.2
SE		1.4	.4	.4								2.5	6.3
SSE	.4	.4										.7	1.0
S	1.4	1.1	.7	.4		.4						4.4	4.9
SSW	1.4	2.4	.7	.4								5.0	6.2
SW	1.1	1.4	.7	.4								3.6	6.2
WSW	1.4	1.1	1.1		.4							3.6	6.3
W	1.1	1.1	.7	.4								3.2	5.6
WNW	.4	2.5	.4									3.4	4.2
NW	.4	.7	.4	.4								1.4	7.4
NNW		.4	1.4									2.1	7.3
VARBL													
CALM												5.7	
	11.2	25.5	30.5	22.3	1.4	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 282

3

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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] MAY, MT	73-82	SEP

CLASS: ALL WEATHER

HOURS (L.S.T.): 23

CONDITION:

SPEED (KNTS) DIR.	1 - 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								2.1	[illegible].7
NNE	[illegible]	1.1	2.[illegible]	.4								5.[illegible]	7.[illegible]
NE	[illegible]	1.2	4.[illegible]	1.4								10.[illegible]	7.4
ENE	[illegible]	2.1	[illegible].7	3.9								12.1	[illegible].4
E	[illegible]	1.1	12.1	1.3	1.4							25.2	10.6
ESE	1.1	[illegible]	[illegible].7	[illegible].7								1.[illegible]	[illegible].3
SE	[illegible]	[illegible].7	[illegible].[illegible]	[illegible].4								1.[illegible]	7.2
SSE	[illegible]	[illegible].4		[illegible].7								1.9	[illegible].2
S	[illegible]	1.1	[illegible]		.4							3.[illegible]	[illegible].3
SSW	[illegible].1	[illegible].7	1.1	[illegible].7								3.[illegible]	[illegible].8
SW	[illegible].[illegible]	2.1	[illegible].4		[illegible].4							7.1	[illegible].3
WSW	[illegible]	[illegible].7	1.[illegible]	[illegible].7	[illegible].4							[illegible].0	[illegible].5
W	[illegible].1	1.1	[illegible].4									2.[illegible]	4.4
WNW	[illegible]	[illegible].1	[illegible].7	[illegible].7								4.3	6.4
NW	[illegible].7											[illegible].7	2.[illegible]
NNW	[illegible].[illegible]	[illegible].[illegible]	[illegible].4	[illegible].[illegible]								1.[illegible]	6.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	1.4	[illegible].2	31.[illegible]	20.9	2.5							[illegible].[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS: [illegible]2[illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] KANEOHE BAY, HI (STATION NAME) — YEARS: [illegible] — MONTH: FEB

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	1.3	1.2	.2	.1						4.0	5.5
NNE	.1	1.1	2.2	.8	.1							5.0	7.3
NE	1.0	2.1	4.3	1.8								9.3	7.1
ENE	.1	2.0	5.0	5.3	.4							12.4	8.6
E	.1	2.3	3.6	9.3	1.2							20.0	10.5
ESE	.4	1.1	2.1	1.9	.1							5.6	9.1
SE	.2	.1	.6	.1	.1							2.1	6.3
SSE	.1	.1	.3	.2								1.6	5.8
S	.2	.1	.2	.3	.2	.1						4.3	5.7
SSW	1.0	1.3	.6	.7	.3	.2	.1					4.7	7.1
SW	1.1	1.2	.5	.5	.2		.1					4.6	5.9
WSW	1.1	1.2	.2	.4	.2							3.1	6.2
W	1.2	.7	.6	.3		.1	.0					2.1	6.1
WNW	.1	1.1	.4	.7								2.3	5.6
NW	.1	.1	.2	.1								1.2	5.1
NNW	.2	.1	1.0	.4	.3							2.1	5.7
VARBL													
CALM												5.4	
	7.0	22.1	31.7	23.3	2.9	.3	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2254

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NOAA FORM 76-43 (REV. 1-80)
USCOMM-NOAA
GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] PEARL HARBOR, HI [redacted] YEARS [redacted] MONTH

ALL WEATHER CLASS [redacted] HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N				[illegible]								[illegible]	12.0
NNE		[illegible]	1.3									2.3	[illegible]
NE	1.	2.3	[illegible]	.6								[illegible]	6.3
ENE	.[illegible]	1.3	[illegible]	7.4	1.							17.[illegible]	10.7
E	[illegible]	3.[illegible]	11.[illegible]	24.7	2.6	.3						43.5	11.0
ESE	.[illegible]		[illegible]	1.3								4.[illegible]	8.7
SE			[illegible]									[illegible]	7.[illegible]
SSE		[illegible]	[illegible]									[illegible]	6.5
S	[illegible]	[illegible]	1.[illegible]	[illegible]								2.6	6.3
SSW	.[illegible]	1.[illegible]	[illegible]									[illegible]	5.0
SW	1.[illegible]	[illegible]			[illegible]							1.[illegible]	5.7
WSW	[illegible]	[illegible]	[illegible]									[illegible]	3.7
W	.[illegible]	[illegible]										1.0	3.3
WNW		1.[illegible]	[illegible]									1.[illegible]	5.8
NW		[illegible]	[illegible]	[illegible]								1.3	7.3
NNW		[illegible]	[illegible]	.6								1.[illegible]	[illegible].0
VARBL													
CALM												[illegible].1	
	[illegible].2	1.[illegible].2	37.[illegible]	35.2	3.9	.3						1[illegible].0	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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#U.S. GPO 1984 741 348/201

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			.	.3								.	10.5
NNE		.	1.	.3								1.	.6
NE	.	2.3	2.	1.6								.4	7.2
ENE	.	1.	7.4	7.4	1.							1	10.2
E	.	3.	11.	2.0	.8							1	12.0
ESE	.	.6	2.2	1.	.3							.5	9.1
SE			.									.	10.0
SSE		.		.								1	7.0
S	.	.	1.									2.3	5.7
SSW	.	.4	.2									2	7.4
SW	.	1.2										2.3	7.
WSW	.		.									1.	4.3
W	1.	1.	.3		.3							2.	5.
WNW	.	.9	1.									1.	5.7
NW		.	.	.3								1	7.3
NNW		.		.2								.	10.0
VARBL													
CALM												9.	
	.	1.2	30.0	31.6	6.5							1 0.	.9

TOTAL NUMBER OF OBSERVATIONS _____

3

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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 _____

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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 MAR

CLASS ALL

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.[illegible]	1.[illegible]	1.[illegible]	1.[illegible]	.3							[illegible]	7.[illegible]
NNE	.[illegible]	1.[illegible]	1.[illegible]									3.[illegible]	[illegible].[illegible]
NE	.[illegible]	1.[illegible]	2.3	1.[illegible]	.2							[illegible].[illegible]	[illegible].[illegible]
ENE	.[illegible]	1.[illegible]	.7	1.2	1.6							[illegible].[illegible]	11.[illegible]
E	.[illegible]	1.[illegible]	7.[illegible]	27.9	5.5							[illegible].[illegible]	1.2
ESE		.[illegible]	7.[illegible]	2.3								[illegible].[illegible]	9.7
SE		.[illegible]	1.[illegible]	.6								2.[illegible]	8.[illegible]
SSE	.[illegible]	.[illegible]										.[illegible]	1.[illegible]
S	.[illegible]	.[illegible]		.6								1.[illegible]	8.2
SSW	.[illegible]		.[illegible]	.6								1.3	10.[illegible]
SW				.[illegible]								.[illegible]	1.[illegible]
WSW	.[illegible]		.[illegible]	.7								[illegible].[illegible]	.[illegible]
W				.[illegible]								.[illegible]	12.[illegible]
WNW	.[illegible]	.[illegible]	.[illegible]									[illegible].[illegible]	.[illegible]
NW	.[illegible]	1.[illegible]										[illegible].[illegible]	7.6
NNW	.[illegible]	.[illegible]	1.[illegible]	.[illegible]								2.[illegible]	8.1
VARBL													
CALM												.[illegible]	
	.[illegible]	11.[illegible]	25.[illegible]	46.[illegible]	.7							1[illegible].[illegible]	1.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

*U.S. GPO 1984 741 348 201

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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 BAY, MT YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS (L S T) 1

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.	7.6	2.3	.6							7.7	10.1
NNE	.	1.1	2.6									4.5	6.3
NE	.	2.0	5.2	3.2	.6							12.6	9.2
ENE	.	3.0	7.7	13.9	2.2							30.1	11.4
E	.	1.	1.5	2.3	.2							1.7	13.3
ESE			1.	1.								2.	11.1
SE		.3	.7	.3								1.	9.7
SSE	.		.1	.3								1.3	7.5
S		1.		.3								1.1	6.2
SSW			.	.6	.3							1.	13.0
SW		.	.7	.6	.3							1.	10.3
WSW			.	.3								.	10.0
W													
WNW	.		.1									.	5.5
NW													
NNW	.		.									.	5.0
VARBL													
CALM												.	
	2.1	12.	30.0	44.5	3.4							1.0.1	11.1

TOTAL NUMBER OF OBSERVATIONS 318

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DETACHMENT
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SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH MAR

CLASS ALL WEATHER

HOURS (L.S.T.) 17

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

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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 PEARL HARBOR, HI YEARS 47-56 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) 24

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.7	.6								1.6	9.2
NNE	.4	.4	.4	.3								2.6	5.9
NE	1.4	1.4	4.5	.6								7.9	7.2
ENE	1.7	2.6	7.7	12.3	.6	.3						24.2	10.6
E	1.4	3.5	7.4	22.9	4.7							51.3	11.8
ESE		.4	2.3	1.3	.7							4.7	10.2
SE			.4									.3	4.0
SSE		.4	.6									1.0	7.0
S		.4	.6									1.0	5.3
SSW	.4		.4									1.3	5.9
SW	.4		1.4									1.3	7.0
WSW		.4		.7		.3						1.7	12.6
W	.4	1.4	.7									1.4	5.3
WNW	.7	1.7	.6									2.3	5.7
NW		.4	.6	.3								1.4	8.6
NNW		.4	.3	.3								1.0	5.3
VARBL													
CALM												4.7	
	6.0	14.2	38.3	39.0	5.2	.5						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 310

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NAVAL WEATHER SERVICE
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ASHEVILLE, NC

SURFACE WINDS

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

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

CLASS ALL WEATHER HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.6	1.6								2.2	10.5
NNE	.8	.6	1.	.6								3.2	7.0
NE	.4	2.3	2.5	1.4								6.	7.
ENE	1.	2.0	3.5	11.3	.6							18.8	10.
E	1.8	3.5	11.0	23.5	4.9	.6						45.	11.9
ESE	.5		1.	.6								2.3	5.1
SE			.1									.3	7.0
SSE			.2									1.	7.3
S	.5	1.0	.5									2.	5.1
SSW	1.2	.3	1.0									2.	4.9
SW	1.0	1.1	.7	.6								3.	5.5
WSW	1.0	.5			.3							1.8	5.8
W	.6	.5			.7							1.8	6.0
WNW			.1									.1	5.0
NW	.1											.5	3.0
NNW													
VARBL													
CALM												.5	
	6.7	14.5	24.5	39.7	5.1	.6						100.	6.6

TOTAL NUMBER OF OBSERVATIONS 310

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

21 PEARL BAY, HI 77-82 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER ALL

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	.0	1.0	1.0	.2							3.1	9.3
NNE	.0	1.2	1.2	.2	.1							2.8	5.6
NE	.0	2.3	3.5	1.6	.2							7.4	7.8
ENE	.0	2.0	7.3	11.4	1.6	.1						24.2	11.1
E	.0	2.3	6.5	21.8	4.2	.2						36.9	12.2
ESE	.0	.2	2.0	1.6	.1							4.4	9.9
SE	.0	.2	.6	.2								1.1	7.7
SSE	.0	.2	.6	.1								1.0	6.7
S	.0	.1	.2	.2								1.5	6.2
SSW	.0	.2	.5	.3	.0							.1	8.2
SW	.0	.1	.3	.3	.1							1.0	8.6
WSW	.0	.2	.2	.2	.0	.0						1.0	6.8
W	.0	.0	.1	.1	.1							1.2	8.6
WNW	.0	.4	.4									1.0	4.1
NW	.0	.3	.2	.1	.0							.6	6.7
NNW	.0	.3	.3	.2								1.0	7.5
VARBL													
CALM												4.0	
	0.1	13.1	27.8	39.4	6.6	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2435

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) [illegible] BAY, HI (STATION NAME) [illegible]-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

[illegible] (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]							1.[illegible]	13.0
NNE	[illegible]	[illegible]	1.3									2.3	7.3
NE	[illegible]	1.7	2.[illegible]	2.[illegible]								[illegible].[illegible]	[illegible].6
ENE	[illegible].3	[illegible].7	[illegible].7	7.[illegible]	1.3							26.[illegible]	9.3
E	1.[illegible]	[illegible].7	16.[illegible]	19.7	1.3	.3						43.[illegible]	10.7
ESE	[illegible].[illegible]	2.[illegible]	1.[illegible]	.7	.3							[illegible].7	7.[illegible]
SE		[illegible].[illegible]										1.[illegible]	[illegible].[illegible]
SSE	[illegible].[illegible]	[illegible].[illegible]										1.[illegible]	[illegible].3
S	[illegible].[illegible]											[illegible].7	2.[illegible]
SSW	[illegible].[illegible]	1.[illegible]	[illegible].[illegible]									2.3	[illegible].[illegible]
SW	1.[illegible]		[illegible].7									1.7	3.[illegible]
WSW	[illegible].3		[illegible].[illegible]									[illegible].[illegible]	3.1
W	[illegible].[illegible]		[illegible].[illegible]									[illegible].7	[illegible].5
WNW	[illegible].7	[illegible].7	[illegible].7									1.[illegible]	5.7
NW	[illegible].[illegible]											[illegible].[illegible]	2.[illegible]
NNW	[illegible].[illegible]		[illegible].[illegible]									[illegible].7	[illegible].5
VARBL													
CALM												[illegible].[illegible]	
	1.[illegible]	[illegible].7	[illegible].[illegible]	29.3	1.7	.3						1.[illegible].[illegible]	[illegible].8

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 (STATION) MC FORT BAY, MI (STATION NAME) (YEARS) (MONTH)

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

(CONDITION)

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

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE
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SURFACE WINDS

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

21 — STATION — MARINE BAY, MI — STATION NAME — [illegible] — YEARS — APR — MONTH

ALL WEATHER — CLASS — 19 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.[illegible]										1.3	3.[illegible]
NNE		.[illegible]	1.[illegible]	.3								2.3	[illegible].9
NE		3.[illegible]	[illegible].7	1.7	.7							5.[illegible]	[illegible].5
ENE	.[illegible]	4.[illegible]	[illegible].7	1.[illegible]	2.7							26.7	10.7
E		1.[illegible]	1[illegible].3	17.7	2.[illegible]							36.[illegible]	11.1
ESE		.[illegible]	2.[illegible]	1.[illegible]	.3							3.7	10.1
SE	.[illegible]		.[illegible]	.3								1.[illegible]	7.7
SSE		.[illegible]										.7	4.5
S	.[illegible]	.[illegible]	.3									1.7	4.6
SSW	.[illegible]	.[illegible]	.[illegible]									1.3	[illegible].[illegible]
SW	.[illegible]											.7	2.[illegible]
WSW													
W	.[illegible]	.[illegible]										.7	3.[illegible]
WNW	1.[illegible]	.3	.[illegible]									[illegible].[illegible]	4.5
NW	.[illegible]	.[illegible]										1.[illegible]	3.7
NNW	1.[illegible]	.[illegible]										1.7	3.[illegible]
VARBL													
CALM												[illegible].[illegible]	
	.[illegible]	10.[illegible]	[illegible].3	[illegible].[illegible]	[illegible].3							1[illegible].[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
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SURFACE WINDS

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

[illegible] (STATION) NA. CHEF BAY, MT (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 11 (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]	.7								2.7	8.4
NNE	.[illegible]	2.3	2.[illegible]	.7								7.3	8.7
NE	.[illegible]	4.3	7.3	3.7	.3							12.0	[illegible].1
ENE		.[illegible]	1[illegible].0	14.3	3.[illegible]							24.7	11.6
E	.[illegible]	2.[illegible]	[illegible].[illegible]	17.7	3.0	.3						23.3	12.3
ESE		.[illegible]	[illegible].[illegible]	5.7	.3							9.[illegible]	11.4
SE	.[illegible]		1.[illegible]	.7								2.3	7.6
SSE		.[illegible]	.7									1.[illegible]	6.0
S													
SSW			.[illegible]									1.0	[illegible].3
SW			.[illegible]									.7	[illegible].0
WSW													
W	.[illegible]											.3	2.7
WNW		.[illegible]										.7	[illegible].[illegible]
NW													
NNW			1.[illegible]	.3		.3						2.[illegible]	11.3
VARBL													
CALM												3.0	
	1.7	1[illegible].5	30.7	43.0	6.7	.7						1[illegible].0	11.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]270

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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 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		1.[illegible]	2.[illegible]	1.[illegible]								[illegible].7	7.8
NNE		.[illegible]	1.7	1.3								10.[illegible]	7.7
NE	.[illegible]	1.[illegible]	3.3	1.[illegible]	.3							17.7	9.9
ENE	.[illegible]	1.[illegible]	12.[illegible]	13.7	1.7							30.[illegible]	11.1
E	.[illegible]	.3	5.7	13.7	1.[illegible]	.3						23.[illegible]	12.4
ESE		1.[illegible]	.[illegible]	[illegible].[illegible]								4.7	10.4
SE		.[illegible]	.3									.7	6.5
SSE		.[illegible]										.[illegible]	5.0
S	.[illegible]	1.3	.3	.3								2.3	[illegible].1
SSW		.[illegible]										.3	[illegible].[illegible]
SW				.[illegible]								.[illegible]	12.[illegible]
WSW		.[illegible]										.[illegible]	4.3
W			.[illegible]									.[illegible]	1.[illegible]
WNW		.[illegible]										.[illegible]	[illegible].[illegible]
NW	.[illegible]	.[illegible]	.3									1.[illegible]	4.5
NNW	.[illegible]	.3			.[illegible]							1.[illegible]	[illegible].7
VARBL													
CALM												.[illegible]	
	.3	15.7	3[illegible].[illegible]	[illegible]0.3	[illegible].3	.3						1[illegible].[illegible]	1[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]0

3

SMOS

*U.S. GPO 1984 741-348/201

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] BAY, HI	[illegible]-82	APR

ALL WEATHER — CLASS

17 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	2.7	1.7	1.	.7							5.7	8.5
NNE	.7	2.	5.7	1.3	.							10.0	7.8
NE	.	2.	6.7	6.3	.3							15.7	10.2
ENE	1.	2.	17.3	15.7	1.7							34.3	10.7
E	.7	.3	7.7	14.	2.7							24.	12.2
ESE		.	.7	1.3	.3							2.7	10.4
SE		.										.7	4.2
SSE		.		.7								.7	9.3
S	.	.7										.7	4.5
SSW		.										.7	6.
SW			.	.7								.7	11.2
WSW		.	.7									.7	6.5
W													
WNW	.											.	2.2
NW	.	.3		.7								1.3	7.0
NNW		.										.7	5.3
VARBL													
CALM												1.7	
	.0	1.3	37.0	40.7	5.7							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 0

SMOS

U.S. GPO 1984-741-348/20

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 73-80 MONTH APR

CLASS ALL WEATHER HOURS (L.S.T.) 24

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.7	.7	.7	.3							2.7	7.7
NNE	.3	1.7	.7	1.0								4.0	7.2
NE	.5	.3	5.0	3.7								10.3	8.2
ENE	1.0	3.3	4.3	1.0	1.7							7.3	10.7
E	.5	4.0	11.0	14.3	2.3							32.1	11.2
ESE		.7	.7	1.0								2.5	7.8
SE		.3		.3								.7	6.2
SSE	.5	1.0	.7									.3	4.5
S		.0										1.0	4.3
SSW		.3	.7									1.0	7.3
SW	.3		.3									.3	3.5
WSW	.3	.7										1.0	3.5
W	.3	.7										1.0	4.7
WNW			.3									.1	7.0
NW			.3									.7	8.7
NNW		.3	.7	.3	.3							1.9	10.5
VARBL													
CALM												2.7	
	.7	16.3	2.3	30.7	4.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 70

3

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 PEARL HARBOR, HI YEARS 67-82 MONTH APR

CLASS ALL WEATHER HOURS (L S T) 24

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N												1.2	12.2
NNE												1.2	9.8
NE	1.0	2.0	3.2	2.3	.3							10.0	.1
ENE	.6	4.0	11.2	11.2	1.3							17.1	10.0
E	.6	7.3	17.2	2.0	.3							45.4	11.4
ESE	.6	.6	1.0	1.2								3.4	.8
SE		.6	.2									.8	7.1
SSE		.6										.6	5.0
S	1.0											1.2	2.3
SSW	.6	.6										1.0	3.2
SW	1.0	.2	.2									.4	1.2
WSW	.6	.6										.2	1.0
W	.6	.2										.8	3.0
WNW	1.0	.6	.2									1.8	7.1
NW													
NNW	.2				.2							.4	10.5
VARBL													
CALM												.3	
	.4	14.2	30.3	36.8	.7							1.0.0	.3

TOTAL NUMBER OF OBSERVATIONS .0

SMOS

*U.S. GPO 1984 741 348/201

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													

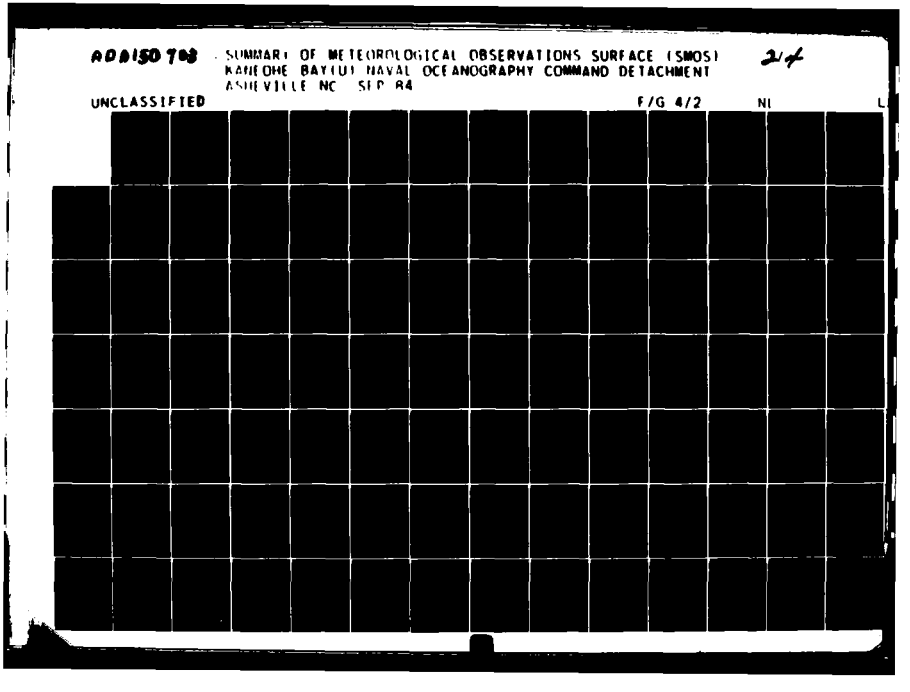
TOTAL NUMBER OF OBSERVATIONS _____

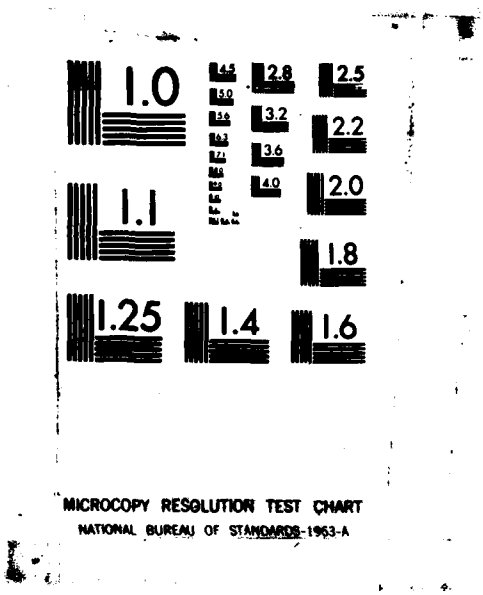
SMOS

* U.S. GPO 1984 741 348 201

AD-A150 703 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
KANEOHE BAY(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
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)

21 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 02 (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			.4									.4	10.0
NNE	.4	.3	.6									1.3	5.9
NE	.4	1.2	2.3	.3								5.2	6.4
ENE	1.0	2.3	11.6	6.8								22.3	7.2
E	1.2	3.1	24.5	16.8	.3							51.6	9.3
ESE	.4	2.0	1.0	.3								4.2	6.5
SE													
SSE	.4											.4	1.5
S	1.0		.4									1.4	4.4
SSW													
SW	1.3	1.0										2.3	3.3
WSW	1.0											1.0	1.7
W	.8	.4										1.2	4.0
WNW		.4										.4	5.5
NW													
NNW				.3								.3	12.0
VARBL													
CALM												8.4	
	5.4	11.4	41.0	24.5	.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 318

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

32-14 (STATION) KALISPELL BAY, MT (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

05 (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 310

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

22516 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 20 (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		.4	.7									.6	8.0
NNE		1.1	.7	.7								1.5	7.2
NE	.4	1.9	1.6	.3								4.5	6.6
ENE	.4	3.2	13.5	9.7								26.8	9.5
E	.4	4.8	19.4	17.1	1.1							42.8	10.2
ESE		.4	3.2	1.9	.3							5.8	9.9
SE	.4											.3	3.0
SSE			.4									.3	7.0
S	1.1		.7	.3								1.6	5.6
SSW		.4										.3	4.0
SW	.4											.4	2.0
WSW	1.0	.6										1.6	3.9
W	.3	.3										.6	3.5
WNW	.7	.3										.9	3.0
NW		.4										.7	4.0
NNW			.4									.3	3.0
VARBL													
CALM												11.3	
	4.0	13.5	33.4	29.7	1.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI (STATION) (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 11 (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	1.6	.3									2.0	5.0
NNE	.3	1.3	1.6	.3								3.5	6.8
NE	1.6	3.2	5.1	1.6								11.5	7.6
ENE		3.0	15.5	11.0	1.6							31.1	10.3
E	.3	2.3	1.6	17.4	1.6							22.3	11.3
ESE		1.0	2.3	1.9	.3							6.5	9.8
SE		.3	1.0	.3								1.6	8.2
SSE		.3										.3	4.0
S		.0	.3									1.0	6.0
SSW		.3	.6	.3								1.3	7.8
SW			.5									.6	5.0
WSW													
W	.3											.1	2.0
WNW													
NW		.3										.6	4.5
NNW		.6										.3	3.5
VARBL													
CALM												1.7	
	3.5	17.1	31.0	32.9	3.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

12 10 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.	.6								3.2	7.7
NNE	.2	2.3	2.6									5.2	6.7
NE		2.	8.7	1.9								13.5	8.4
ENE	.2	5.5	15.5	19.4	.6							41.6	10.4
E		1.2	1.0	12.6	.6							25.2	11.0
ESE	.2	.6	2.6	1.6	.3							5.5	9.2
SE	.2		.6									1.0	5.3
SSE		.2	.7									.6	8.5
S				.6								.6	12.5
SSW													
SW			.2									.3	7.0
WSW													
W	.2											.3	2.0
WNW													
NW		.2	.6									1.0	7.0
NNW	.3	.7										.6	4.0
VARBL													
CALM												1.7	
	2.6	15.5	42.3	36.8	1.6							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 112

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 (STATION) KALEOHE BAY, HI (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	.6	.3								3.2	6.1
NNE	.6	1.3	1.3	.3								3.5	6.0
NE	.6	3.9	6.4	2.3								13.5	7.8
ENE	1.0	6.5	17.7	15.2	1.9							42.3	10.8
E		1.9	11.6	13.2	.3							27.1	10.7
ESE		1.6	2.9									4.5	7.6
SE			.3									.3	8.0
SSE													
S	.3											.3	3.0
SSW													
SW													
WSW	.3	.3										.6	3.5
W	.3			.3								.6	6.5
WNW													
NW			1.3									1.0	3.5
NNW													
VARBL													
CALM												2.9	
	3.2	17.7	42.3	31.6	2.3							100.3	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

#U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI 73-82 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER 20
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.0	.2									.6	5.5
NNE		.0	.6									1.2	6.0
NE	.2	3.5	5.5	.6								11.9	6.2
ENE	.3	.1	13.9	1.3								32.6	7.3
E	.2	7.1	17.4	14.2	1.0							40.3	7.7
ESE		.2	1.1	1.0								2.3	7.8
SE	.2	.3	.3	.3								1.1	5.6
SSE	.2											.2	2.0
S	.2	1.0										1.2	3.6
SSW													
SW													
WSW													
W	.2	.3										.6	4.0
WNW		.2										.2	5.0
NW	.2	.2										1.2	4.3
NNW	.2											.2	2.0
VARBL													
CALM												3.3	
	1.1	21.6	38.0	26.5	1.0							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NUS. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 1 V (STATION) — CAPE COVE BAY, MT (STATION NAME) — 77-82 (YEARS) — MAY (MONTH)

ALL WEATHER (CLASS) — 21 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]	.3									.4	6.0
NNE	.4	.6	.3									1.[illegible]	5.3
NE	1.[illegible]	1.4	2.9									[illegible].5	6.0
ENE	1.[illegible]	3.2	12.[illegible]	6.6	.6							25.2	7.1
E	1.3	7.1	2[illegible].3	21.3	1.[illegible]							[illegible]1.3	9.9
ESE		.[illegible]	1.[illegible]	.3								2.[illegible]	8.1
SE				.3								.3	12.0
SSE			.[illegible]									.3	8.0
S	.4	1.[illegible]										1.4	8.0
SSW	1.[illegible]		.3									1.[illegible]	3.3
SW	.[illegible]	.4										1.0	8.[illegible]
WSW													
W	.[illegible]	.3										.[illegible]	2.5
WNW	.3	.6										1.0	3.3
NW	.3	.3										.[illegible]	3.5
NNW	.3											.[illegible]	3.[illegible]
VARBL													
CALM												6.3	
	3.4	16.5	39.4	28.7	1.6							1[illegible].[illegible]	[illegible].3

TOTAL NUMBER OF OBSERVATIONS 312

3

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) KANEOHE BAY, HI (STATION NAME) [illegible]-82 (YEARS) MAY (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	.	.4	.1								1.7	5.6
NNE	.	1.	1.	.2								2.	6.5
NE	1.	2.5	4.6	.9								9.0	7.2
ENE	.1	4.4	14.2	1.7	.6							11.1	9.6
E	.	5.2	17.1	15.6	.7							38.3	13.0
ESE	.	1.2	1.	1.	.1							4.3	9.6
SE	.	.1	.4	.1								.7	6.6
SSE	.	.1	.2									.3	5.1
S	.	.4	.2	.2								1.3	5.3
SSW	.	.2	.1	.0								.3	4.9
SW	.	.2	.1									.3	4.1
WSW	.	.3										.4	3.4
W	.	.2	.	.0								.4	3.9
WNW	.	.3										.4	3.9
NW	.	.3	.2									.4	5.7
NNW	.	.1	.1	.1								.4	6.7
VARBL													
CALM												5.9	
	.2	17.3	40.5	29.0	1.5							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2452

SMOS

*U.S. GPO 1984 741-348/201

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 — [illegible] MONTH

[illegible] CLASS — [illegible] 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].3	[illegible].0
NNE	[illegible]		[illegible]									[illegible].2	4.5
NE	[illegible].2	2.[illegible]	2.[illegible]	[illegible].3								4.[illegible]	6.9
ENE	[illegible].7	[illegible].[illegible]	14.[illegible]	7.7								21.3	[illegible].9
E	2.3	[illegible].7	25.[illegible]	14.7	1.[illegible]							2[illegible].	9.0
ESE	[illegible].2	1.[illegible]	1.3	[illegible].3								3.3	7.3
SE													
SSE		[illegible]										[illegible].1	5.[illegible]
S		[illegible]										[illegible].[illegible]	6.[illegible]
SSW													
SW	[illegible].[illegible]											[illegible].	1.[illegible]
WSW	[illegible].[illegible]	1.[illegible]										1.[illegible]	3.6
W		[illegible]										[illegible].2	5.0
WNW	[illegible].1	[illegible].3										1.[illegible]	7.3
NW		[illegible]										[illegible].	8.[illegible]
NNW		[illegible]										[illegible].	4.0
VARBL													
CALM												[illegible].0	
	.7	[illegible].0	43.7	23.0	1.0							1[illegible].[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]0

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PEARL HARBOR, HI 77-82 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.		.									.7	6.5
NNE		1.	.7									1.3	5.6
NE	.7	2.	3.7	.7								7.1	6.9
ENE	.	5.	9.4	7.	.3							22.1	8.7
E	2.3	3.4	25.4	12.7	.7							44.5	8.6
ESE		1.	2.	.7								4.1	7.9
SE													
SSE		.										.1	4.0
S	.	.										1.	4.0
SSW		.										.	5.1
SW	.7	.7										.0	3.3
WSW	1.1											1.1	2.3
W	.											.1	1.1
WNW		.										.7	5.
NW													
NNW													
VARBL													
CALM												7.7	
	3.1	22.7	41.5	20.7	1.0							100.1	7.6

TOTAL NUMBER OF OBSERVATIONS 299

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 _____

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] PEARL HARBOR, HI [illegible] JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 11

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		[illegible]	[illegible]									[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	5.5
NE		[illegible]	[illegible]	4.7								15.[illegible]	7.2
ENE		[illegible]	13.[illegible]	17.[illegible]	[illegible].7							[illegible].7	11.[illegible]
E		[illegible]	13.[illegible]	17.7	1.7							[illegible].7	11.2
ESE			[illegible].7	3.[illegible]								7.[illegible]	10.2
SE				[illegible]								[illegible]	11.[illegible]
SSE													
S		[illegible]	[illegible].7									[illegible].7	[illegible].[illegible]
SSW													
SW													
WSW													
W													
WNW													
NW			[illegible].7									[illegible].7	[illegible]
NNW	[illegible]	[illegible].7										[illegible].7	[illegible]
VARBL													
CALM												1.[illegible]	
	[illegible]	12.[illegible]	40.7	43.[illegible]	2.7							[illegible].[illegible]	10.2

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 (STATION) KA TONE BAY, NT (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.	.7									2.0	5.3
NNE	.7	2.3	3.7	.3								7.0	6.6
NE	.7	3.3	6.7	6.7								17.7	9.1
ENE	.7	2.	15.3	21.7	2.0							40.3	11.1
E			2.0	15.7	10.							28.7	11.9
ESE		.	2.	3.0	.3							5.7	11.8
SE			1.0									1.3	9.3
SSE													
S			.									.3	8.0
SSW													
SW													
WSW													
W		.										.3	4.0
WNW													
NW													
NNW													
VARBL													
CALM												•	
	1.7	10.0	35.3	85.7	3.3							100.0	16.5

TOTAL NUMBER OF OBSERVATIONS 300

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

21 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) JAN (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		1.0										1.7	4.8
NNE	1.3	2.7	2.3									6.3	5.8
NE	.3	3.0	6.7	4.3								16.0	8.8
ENE		5.3	16.7	18.3	1.3							42.3	10.3
E	.3	1.3	12.3	13.7	2.3							29.3	11.3
ESE			1.3	.7	.3							2.3	11.7
SE		.3	.7									.7	6.5
SSE													
S		.3										.3	5.0
SSW			.3									.3	4.0
SW													
WSW	.3											.3	2.0
W													
WNW	.3											.3	2.3
NW	.3	.3										.7	3.0
NNW		1.3										1.0	4.3
VARBL													
CALM												.3	
	2.3	16.7	39.7	36.7	4.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] STATION — KANEOHE BAY, HI STATION NAME — 73-80 YEARS — JUN MONTH

ALL WEATHER CODE

20 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.3									1.0	5.3
NNE	1.0	1.0	.3									2.3	4.0
NE	1.0	5.0	6.[illegible]	1.3								13.3	7.4
ENE	.3	4.[illegible]	15.7	10.7								31.4	9.3
E		4.3	10.3	2.3	2.0							18.9	10.7
ESE			1.0	.3								1.3	9.8
SE													
SSE													
S	.1		.3									.7	5.0
SSW		.3										.3	4.3
SW													
WSW													
W		.3										.7	5.0
WNW		.3										.7	5.3
NW													
NNW	.1	.3	.3									1.0	5.3
VARBL													
CALM												2.0	
	1.7	16.3	43.7	32.7	2.0							100.0	[illegible].2

TOTAL NUMBER OF OBSERVATIONS 300

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible]2.1 STATION NAME: KANEOHE BAY, HI YEARS: 73-82 MONTH: JUN

CLASS: ALL WEATHER HOURS (L.S.T.): 23

CONDITION:

SPEED (KNTS) DIR.	1 - 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]									.3	7.0
NNE	[illegible]	1.[illegible]										2.0	3.0
NE	[illegible]	1.7	3.[illegible]	2.3								[illegible].3	7.[illegible]
ENE	1.[illegible]	2.[illegible]	15.3	8.7								27.7	9.5
E	1.7	5.7	21.[illegible]	22.3	1.3							[illegible]2.[illegible]	10.0
ESE		[illegible]	1.3	1.3								3.7	8.9
SE													
SSE		[illegible]										.3	6.0
S			[illegible]									.3	[illegible].0
SSW	[illegible]											.7	2.[illegible]
SW	[illegible]											[illegible]	1.[illegible]
WSW	[illegible]											1.0	2.7
W	.3											.3	3.0
WNW													
NW		[illegible]										.3	5.0
NNW													
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	2.7	
	7.[illegible]	12.3	41.3	34.7	1.3							100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS 300

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI — 1982 — JUN

ALL WEATHER — 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	.	.2									1.0	5.6
NNE	.2	1.4	1.1	.1								2.1	5.6
NE	.2	2.7	5.3	2.5								11.1	[illegible]
ENE	.	4.[illegible]	14.3	12.9	.5							32.4	[illegible]
E	.2	6.8	15.1	17.[illegible]	1.5							41.9	10.2
ESE	.1	.	1.9	1.3	.1							3.9	9.7
SE		.0	.2	.0								.3	8.2
SSE		.1										.1	5.0
S	.1	.3	.2									.5	5.5
SSW	.	.1	.									.2	[illegible]
SW	.1	.										.1	2.5
WSW	.1	.2										.4	2.9
W	.1	.1										.3	3.2
WNW	.1	.2										.3	3.5
NW	.1	.2	.									.3	[illegible]
NNW	.1	.4	.									.5	4.8
VARBL													
CALM												7.1	
	[illegible].3	15.3	[illegible].4	33.8	2.1							100.0	[illegible].2

TOTAL NUMBER OF OBSERVATIONS 2339

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2519 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.4	2.4	2.9	.3								5.6	5.6
ENE	1.3	6.4	18.7	8.7								35.5	8.8
E	.4	11.7	21.8	17.1	.6							51.6	9.2
ESE	.3	1.3	1.3	.3								3.2	6.4
SE													
SSE													
S		.4										.4	8.0
SSW													
SW	.4											.4	3.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	2.0	21.2	48.5	26.5	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 311

SMOs

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] STATION | KI-FONG BAY, HI STATION NAME | 73-83 YEARS | [redacted] MONTH

ALL WEATHER CLASS

[redacted] HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		[illegible]										[illegible]	
NE		2.[illegible]	3.4	.4								.7	5.0
ENE	[illegible]	8.4	15.2	8.4	.7							7.4	7.6
E	[illegible]	11.7	23.2	12.6	.3							38.[illegible]	[illegible]
ESE	[illegible]	[illegible]	1.6									47.7	8.7
SE												1.5	7.5
SSE													
S													
SSW		[illegible]											
SW	[illegible]											[illegible]	3.5
WSW	[illegible]											[illegible]	2.[illegible]
W	[illegible]											[illegible]	2.[illegible]
WNW												[illegible]	3.[illegible]
NW													
NNW													
VARBL													
CALM												[illegible]	
	3.3	23.[illegible]	43.2	21.6	.6							1.0.[illegible]	7.8

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

21	KANEOHE BAY, HI	77-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

02 — HOURS (L.S.T.)

CONDITIONS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.1	1.5	.7									2.3	4.8
NE	.7	2.6	3.9	.3								7.1	7.3
ENE	.5	6.3	27.0	13.2								46.6	9.2
E	.1	4.5	1.7	17.1	.3							41.6	10.1
ESE		.1	.4	.3								1.2	3.4
SE			.1									.3	3.0
SSE													
S	.1	.3										.4	3.5
SSW													
SW													
WSW													
W	.1											.1	2.0
WNW													
NW													
NNW	.1											1.0	2.3
VARBL													
CALM												4.2	
	.2	16.5	33.2	31.5	.3							100	7.8

TOTAL NUMBER OF OBSERVATIONS 911

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI 73-82 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 11

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.										.	5.0
NNE	.	2.6	2.6	.3								6.5	6.3
NE		3.	5.5	4.2								13.2	.5
ENE	.	3.2	2.6	16.8	1.6							24.9	10.2
E		1.	11.7	15.5	1.	.3						30.0	11.3
ESE		.	1.	2.6								4.5	10.6
SE			.									.3	7.0
SSE													
S			.									.	3.0
SSW													
SW													
WSW		.										.	4..
W		.										.	4..
WNW													
NW													
NNW	.											.	2..
VARBL													
CALM												.	
	1..	12.6	32.6	38.8	2.6	.3						1.0..	.5

TOTAL NUMBER OF OBSERVATIONS 310

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 1	KANEOHE BAY, HI	72-82	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

14
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.	1.6									2.1	7.8
NNE		3.2	2.1	.3								7.4	6.6
NE	.	2.1	13.5	1.5								16.4	7.4
ENE		.3	21.3	22.9	1.3							47.7	10.9
E		1.3	2.7	1.4	.6							5.3	11.1
ESE		.1	.1	1.6								2.1	9.7
SE													
SSE													
S			.									.2	5.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW			.1									.3	3.0
VARBL													
CALM												.	
	.	10.6	48.7	37.8	1.9							100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 310

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 STATION | KANEOHE BAY, HI STATION NAME | 77-81 YEARS | JUL MONTH

ALL WEATHER CLASS | 17 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.6									1.0	5.0
NNE	.2	2.0	2.6	.3								.61	6.0
NE	.2	7.0	11.6	2.6								1.4	7.0
ENE	.3	4.1	25.0	18.7	.3							1.3	9.9
E		1.0	4.4	10.0	.6							1.7	10.0
ESE			1.0	.3								1.6	8.6
SE													
SSE													
S	.0											.1	7.1
SSW													
SW													
WSW													
W													
WNW	.1											.0	4.0
NW													
NNW													
VARBL													
CALM												.0	
	1.0	13.1	51.3	31.9	1.0							1.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1114

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ KANEOHE BAY, HI STATION NAME _____ 73-E YEARS _____ JUL MONTH

ALL WEATHER CLASS _____ HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.0	.	.									1.0	4.5
NE	.	1.0	4.5	1.0								6.1	7.0
ENE	.7	1.1	24.1	16.5	.3							42.1	5.1
E	.1	4.2	18.1	16.5	.3							39.4	1.0
ESE		.	.6									1.0	.3
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.	
	.7	13.2	47.4	33.9	.6							100.0	.3

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

*U.S. GPO 1984 /41 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL WEATHER CLASS 21 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.2	.2										1.2	3.0
NE	.2	1.0	1.0	.6								1.5	6.4
ENE	.4	2.2	10.7	14.5								27.8	8.4
E	.4	2.2	22.3	11.7	.6							37.4	7.9
ESE		.4	1.2	1.3								2.9	7.4
SE		.2										.2	5.0
SSE	.2											.2	3.0
S													
SSW	.4											.4	1.0
SW													
WSW	.2											.2	2.0
W	.2											.2	3.0
WNW													
NW													
NNW													
VARBL													
CALM												.2	
	.8	1.4	44.2	28.2	.6							81.8	8.3

TOTAL NUMBER OF OBSERVATIONS [illegible]

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*U.S. GPO 1984 741 348/ 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] / STATION — [redacted] PEARL HARBOR, HI / STATION NAME — [redacted] 1962 / YEARS — JUL / MONTH

ALL WEATHER / CLASS — 24 / HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	.1	.2									.3	7.1
NNE	.0	1.8	1.2	.1								3.3	6.1
NE	.0	2.1	6.0	1.4								10.4	7.5
ENE	.0	5.0	2.6	15.1	.5							42.7	9.6
E	.2	.2	11.7	14.6	.6	.0						37.4	9.9
ESE	.0	.0	1.1	.1								2.5	.0
SE	.0	.0	.1									.1	7.0
SSE	.0											.0	7.0
S	.0	.1	.1									.2	1.5
SSW	.0	.1										.0	3.0
SW	.0											.1	2.5
WSW	.0	.0										.1	2.7
W	.1	.3										.2	1.0
WNW	.1											.0	1.1
NW													
NNW	.0		.0									.0	1.4
VARBL													
CALM												7.0	
	2.0	16.2	9.2	32.1	1.0	.0						1.0.0	.1

TOTAL NUMBER OF OBSERVATIONS 2492

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*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

__ STATION | KANSAS PAR. HT STATION NAME | 73-82 YEARS | AUG MONTH

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

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] (STATION) BARBERS POINT, HI (STATION NAME) [redacted] (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) [redacted] (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	1.0	6.0	1.6	.3								7.7	5.8
ENE	3.6	6.1	1.1	1.1								12.0	6.0
E	1.0	13.2	20.6	8.8								43.7	7.8
ESE	.5	1.3	.6									2.3	5.0
SE					.3							.3	21.0
SSE													
S													
SSW	.3											.3	3.0
SW	1.0											1.0	2.0
WSW	.8											1.0	1.7
W	.8											.8	1.5
WNW	.5	.3										.8	3.5
NW													
NNW													
VARBL													
CALM												7.7	
	11.3	25.2	33.0	15.8	.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible] HT (STATION / STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

05 (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]	3.5
NNE		.[illegible]	.[illegible]									1.3	1.[illegible]
NE	1.[illegible]	3.2	5.2	.3								10.[illegible]	.[illegible]5
ENE	.3	6.[illegible]	17.[illegible]	1.3	.3							35.[illegible]	[illegible].2
E	.[illegible]	3.[illegible]	23.[illegible]	11.3	1.[illegible]							40.3	5.6
ESE		1.[illegible]	1.3	1.3								3.9	4.5
SE		.[illegible]										.3	5.[illegible]
SSE													
S		.[illegible]										.[illegible]	4.[illegible]
SSW													
SW	1.[illegible]											1.[illegible]	2.[illegible]
WSW													
W	.[illegible]											.[illegible]	2.5
WNW	.[illegible]	.[illegible]										1.[illegible]	4.[illegible]
NW													
NNW	.[illegible]		.[illegible]									.[illegible]	.[illegible]5
VARBL													
CALM												4.[illegible]	
	4.[illegible]	17.1	48.7	23.2	1.3							1[illegible].0	.[illegible]3

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

*U.S. GPO 1984-741-348: 201

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: ALL

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												1.0	5.0
NNE													
NE												15.4	7.5
ENE												41.6	10.4
E												20.0	10.5
ESE												4.2	
SE													
SSE													
S													
SSW													14.0
SW													
WSW													5.0
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	1.1	10.1	45.5	33.9	2.6							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

*U.S. GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MC TOWE BAY, HI 73-82 AUG
STATION STATION NAME YEARS MONTH

ALL [illegible]
CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	.4									1.4	6.8
NNE		1.3	5.									7.1	7.7
NE	.3	8.5	12.6	2.9								24.3	.1
ENE	.4	5.4	17.1	2.3	1.3							26.5	10.2
E		1.7	4.1	11.7								17.5	11.7
ESE		.7	1.	1.9								3.3	10.0
SE			.4	1.3								1.7	11.2
SSE													
S			.3									.3	7.0
SSW													
SW													
WSW													
W	.1		.2									.3	6.0
WNW													
NW													
NNW		.1										.1	5.7
VARBL													
CALM												.1	
	1.1	14.2	46.5	16.1	1.3							100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 310

3

SMOS

*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

22 11 KALKASKA BAY, MI 73-92 ANN
STATION STATION NAME YEARS MONTH

ALL WEATHER 17
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7										1.0	3.3
NNE	.2	3.5	1.2									5.1	6.1
NE	1.0	7.1	10.6	3.9								22.6	7.9
ENE		7.9	20.0	15.2	1.3							44.2	7.7
E	.2	3.5	11.0	9.3	.3							24.2	8.9
ESE		.2										.2	4.5
SE													
SSE		.2										.2	5.0
S													
SSW													
SW													
WSW													
W		.2										.2	4.0
WNW			.2									.2	10.0
NW													
NNW	.2	.2										.4	3.5
VARBL													
CALM												.2	
	2.6	23.2	43.2	28.7	1.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 916

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*U.S. GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) KA. COVE BAY, HI (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		[illegible]	[illegible]									[illegible]	[illegible]
NE	[illegible]	2.	[illegible]	[illegible]								[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
E	[illegible]	[illegible]	23.5	[illegible]	[illegible]							[illegible]	[illegible]
ESE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
SE													
SSE													
S													
SSW	[illegible]											[illegible]	[illegible]
SW		[illegible]										[illegible]	[illegible]
WSW													
W												[illegible]	[illegible]
WNW													
NW													
NNW													
VARBL													
CALM												[illegible]	
	.5	15.6	31.9	23.2	1.6							100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2-1 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) ANN (MONTH)

ALL WEATHER (CLASS) 24 (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	.4	.3										.6	4.5
NE	1.0	1.4	3.9									6.3	6.3
ENE	1.3	4.5	15.9	1.0	.3							23.0	9.1
E	.4	10.0	23.6	16.5	1.3							51.8	9.4
ESE	.4	1.3	1.4	.6								3.2	7.2
SE													
SSE													
S	.4											.6	2.5
SSW	.1	.3										.4	3.7
SW													
WSW	.1											.3	2.3
W		.1										.3	5.0
WNW													
NW													
NNW													
VARBL													
CALM												3.3	
	3.2	10.7	44.2	27.1	1.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 318

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NAVAVN 1984 / 41 348 / 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MOOSE BAY, NF (STATION NAME) [illegible] (YEARS) AUG (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	.2	.2									.4	5.4
NNE	.0	1.3	1.3									2.6	6.5
NE	1.2	3.7	6.4	1.5	.0							12.8	7.4
ENE	1.3	.3	17.1	12.7	.5							32.0	9.4
E	.0	6.2	13.7	11.4	.7							32.0	9.3
ESE	.2	.4	1.1	.5								2.4	7.7
SE		.0	.1	.1	.0							.2	1.6
SSE		.0	.0									.1	4.5
S	.0	.2	.2									.3	3.6
SSW	.0	.0		.0								.0	4.8
SW	.2	.2										.4	2.2
WSW	.2	.1										.4	2.6
W	.0	.1	.1									.4	3.8
WNW	.0	.1	.1									.2	4.6
NW													
NNW	.1	.2	.2									.5	5.0
VARBL													
CALM												.0	
	.0	1.3	45.2	26.1	1.3							1.0	.4

TOTAL NUMBER OF OBSERVATIONS 2400

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*U.S. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) KANEOHE BAY, HI (STATION NAME) [illegible]-82 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		[illegible]	.3									1.[illegible]	5.5
NE	[illegible]	1.[illegible]	1.[illegible]									3.7	6.1
ENE	1.[illegible]	7.	1[illegible].4	6.4								25.4	9.[illegible]
E	[illegible]	15.1	24.1	6.	.3							47.[illegible]	7.8
ESE	.[illegible]	2.3	2.	1.7								7.4	7.5
SE													
SSE	.											.7	2.[illegible]
S	.[illegible]	.[illegible]										1.[illegible]	1.3
SSW	.[illegible]											.[illegible]	[illegible]
SW	.[illegible]	.3										1.[illegible]	3.3
WSW	.[illegible]	1.[illegible]										1.7	[illegible].[illegible]
W	.[illegible]	.[illegible]										1.[illegible]	3.[illegible]
WNW													
NW		.[illegible]										.[illegible]	5.[illegible]
NNW													
VARBL													
CALM												[illegible].	
	[illegible].[illegible]	29.4	30.5	14.0	.3							[illegible].[illegible]	6.5

TOTAL NUMBER OF OBSERVATIONS 209

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ MYRTLE BAY, SC STATION NAME _____ 73-80 YEARS _____ SEP MONTH

ALL WEATHER CLASS _____ 01 HOURS (L.S.T.)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.3											.7	2.0
NE	1.0	1.7	1.7	.7								4.8	5.4
ENE	2.3	7.4	14.4	3.3								27.4	7.5
E	7.7	17.4	21.7	5.7	.3							44.5	7.5
ESE	.7	2.6	.7									3.7	5.3
SE	.3											.7	2.5
SSE	.7											.7	2.5
S	1.3	.3										1.7	2.4
SSW	.3	.7										1.0	3.5
SW	1.0	1.0										2.0	3.2
WSW	.3	.3	.3									1.0	4.7
W	.7	.3										1.0	3.3
WNW		.7										.7	4.5
NW		.3										.7	4.0
NNW	.3	.3										.7	3.5
VARBL													
CALM												10.7	
	17.0	2.1	38.5	9.4	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 299

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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] BAY, HI YEARS: [illegible] MONTH: [illegible]

CLASS: ALL WEATHER HOURS (L S T): [illegible]

CONDITION:

SPEED (KNTS) DIR.	1 - 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]
NNE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]	16.4	[illegible]								[illegible]	[illegible]
E	[illegible]	[illegible]	22.4	[illegible]	[illegible]							[illegible]	[illegible]
ESE		[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SE	[illegible]											[illegible]	[illegible]
SSE			[illegible]									[illegible]	[illegible]
S		[illegible]										[illegible]	[illegible]
SSW	[illegible]	[illegible]										[illegible]	[illegible]
SW	[illegible]											[illegible]	[illegible]
WSW	[illegible]	[illegible]										[illegible]	[illegible]
W	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
WNW	[illegible]	[illegible]										[illegible]	[illegible]
NW													
NNW		[illegible]										[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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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) 1

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.7	1.7									3.7	5.7
NNE		1.	2.3									5.4	6.7
NE	.	7.7	6.4	2.								12.9	.
ENE	1.7	.	15.1	14.4	1.							32.1	.
E		.	.7	14.	2.7							17.8	11.2
ESE			3.	2.7								6.4	10.7
SE		.	1.7	.7								2.	1.8
SSE													
S	.											.7	2.
SSW													
SW		.										.	4.
WSW													
W													
WNW		.										.7	5.7
NW		.										.7	.
NNW	.	1.										.7	.7
VARBL													
CALM												.	
	1.7	10.7	30.5	33.4	3.7							[illegible]	.7

TOTAL NUMBER OF OBSERVATIONS 5

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) PASCHE BAY, HI (STATION NAME) [illegible]-80 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 15 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.7	1.3									3.3	6.1
NNE	.7	4.0	4.7	.7								12.0	7.0
NE		5.3	11.4	3.7								20.4	7.3
ENE	.7	3.3	16.7	15.1	.7							36.4	9.9
E		1.4	5.4	9.7	1.4							20.4	10.4
ESE			2.4	1.7	.3							4.7	10.9
SE	.3		.7									.7	5.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	.3											.3	2.0
NNW		.7	.7									1.4	4.7
VARBL													
CALM												.7	
	2.3	17.4	47.2	30.4	2.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 299

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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 YEAR

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]	1.	1.									2.7	5.3
NNE	[illegible]	3.	[illegible]									6.4	6.2
NE	[illegible]	6.3	[illegible]	1.								17.8	7.5
ENE	1.	11.	23.4	5.4	1.3							45.2	8.7
E	[illegible]	3.	8.7	11.								23.7	10.3
ESE			1.									1.3	[illegible]
SE			[illegible]									.3	7.0
SSE													
S													
SSW		[illegible]										[illegible]	[illegible]
SW													
WSW		[illegible]	[illegible]									1.3	[illegible]
W													
WNW	[illegible]											[illegible]	[illegible]
NW		[illegible]										.3	[illegible]
NNW													
VARBL													
CALM												[illegible]	
	[illegible]	24.4	47.8	22.4	1.7							100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]9

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

PGUA (STATION) KWAJALEIN ATOLL, MI (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

(OBSERVER)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	.7	.7									1.0	7.0
NNE	.0	1.7	.7									2.4	5.3
NE	1.4	3.3	2.7	1.4								8.8	6.7
ENE	1.4	.4	2.1	6.7	.3							34.9	8.3
E	1.4	4.7	24.7	11.7								44.4	8.7
ESE		1.4	.7									2.4	5.2
SE												.3	2.0
SSE													
S													
SSW		.4										.7	4.5
SW	.7	.7										1.4	2.7
WSW	.7		.3									.7	5.5
W													
WNW	.7	.3	.3									1.0	5.3
NW		.4										.3	5.0
NNW													
VARBL													
CALM												3.3	
	.0	21.4	41.5	19.4	.3							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 299

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 1 6 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2 (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		.4	.4									1.0	7.7
NE	.4	3.4	1.7									5.4	5.1
ENE	.4	.4	15.7	6.4	1.0							23.1	9.2
E	1.4	11.7	24.1	9.7								44.9	8.3
ESE	1.4	1.4	1.7									4.5	5.0
SE	.4											.4	7.0
SSE				.3								.3	13.0
S	1.0											1.4	1.7
SSW	1.0	.3										1.4	3.5
SW	.7	1.0	.7									2.4	4.5
WSW		.4										.7	4.0
W		.4	.3									.7	6.0
WNW													
NW	.4											.4	5.0
NNW													
VARBL													
CALM												.0	
	.0	23.4	45.6	16.4	1.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 239

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 [illegible] (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) SEP (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	.2	.4	.5									1.5	5.4
NNE	.2	1.1	1.7	.1								3.1	6.5
NE	.1	1.2	4.5	1.3								9.1	7.3
ENE	1.2	.3	15.5	8.7	.5							33.3	8.9
E	1.1	.7	18.2	9.5	.6							37.3	8.9
ESE	.1	1.1	1.9	.8	.1							4.1	7.1
SE	.2	.1	.2	.1								.5	6.2
SSE	.1		.1	.0								.2	5.2
S	.1	.1										.2	2.7
SSW	.1	.3										.5	3.1
SW	.1	.1	.1									.2	3.5
WSW	.1	.3	.2									.5	4.1
W	.1	.2	.1									.5	4.0
WNW	.1	.2	.1									.4	4.1
NW	.1	.2										.3	4.8
NNW	.1	.2	.1									.4	4.3
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	4.9	
	3.6	23.0	44.0	20.5	1.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2302

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] KANEOHE BAY, HI STATION NAME — YEARS: 73-82 — MONTH: OCT

CLASS: ALL WEATHER — HOURS (L.S.T.): 22

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			[illegible]									[illegible]	7.5
NNE			1.[illegible]									1.[illegible]	8.8
NE	[illegible]	1.[illegible]	1.6									[illegible].2	5.5
ENE	1.[illegible]	[illegible].7	8.1	3.[illegible]								16.7	7.7
E	2.3	7.7	23.[illegible]	13.5								[illegible]7.1	8.9
ESE	[illegible]	[illegible].3	1.[illegible]	1.[illegible]								3.[illegible]	9.7
SE			[illegible].3									[illegible].3	10.0
SSE	1.[illegible]		[illegible].[illegible]									1.6	[illegible].[illegible]
S	[illegible]	[illegible]										1.[illegible]	3.5
SSW	[illegible].[illegible]	1.[illegible]										1.[illegible]	[illegible].[illegible]
SW	1.[illegible]	[illegible].6										1.[illegible]	3.2
WSW	1.[illegible]	[illegible].6										2.[illegible]	2.6
W	[illegible].[illegible]	1.6	[illegible].7									2.3	5.1
WNW	1.[illegible]	[illegible].3	[illegible].7									2.[illegible]	3.0
NW	[illegible]	[illegible].6										[illegible].0	3.3
NNW													
VARBL													
CALM												[illegible].[illegible]	
	11.2	20.3	[illegible].[illegible]	18.1								1.0.0	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]11

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MARATHON BAY, MI (STATION NAME) 77-80 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	.6									1.2	7.7
NNE		1.0	.4	.3								1.8	7.6
NE	1.5	1.0	1.3									3.8	5.1
ENE	1.0	4.5	6.0	3.5	.3							15.1	8.0
E	3.0	10.6	17.7	13.5								45.5	8.5
ESE	1.0	1.0	1.6	1.0								4.6	7.6
SE	.2											.2	1.0
SSE	.2											.2	3.0
S	1.0		.4	.3								2.3	4.9
SSW	1.0	.6										1.6	2.8
SW	1.0	.8										2.3	3.5
WSW	.7	.6										2.0	2.9
W	1.2	.3										1.4	2.5
WNW	.4	.3										.6	3.5
NW	.7	.4										1.0	3.3
NNW	.4											.4	2.0
VARBL													
CALM												12.3	
	11.1	22.6	28.0	18.7	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

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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	X	X	X	X	X	X	X	X	X	X	X		

TOTAL NUMBER OF OBSERVATIONS _____

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI 47-52 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

HOURS (L.S.T.)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
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SURFACE WINDS

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

[redacted] KANEOHE BAY, HI 77-82 OCT
STATION STATION NAME YEARS MONTH

ALL WEATHER 11
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		[illegible]	1.[illegible]									[illegible].2	6.4
NNE	1.[illegible]	[illegible].[illegible]	2.3	.6								8.1	6.2
NE		[illegible].3	5.[illegible]	.[illegible]								15.3	6.[illegible]
ENE	.[illegible]	2.[illegible]	11.[illegible]	13.5	.3							28.4	10.3
E	.3	1.[illegible]	11.[illegible]	19.[illegible]	1.6							34.3	11.2
ESE	.[illegible]	.3	2.[illegible]	3.2	.3							7.1	1.[illegible]
SE		.[illegible]	.[illegible]	.3								1.[illegible]	8.8
SSE		.[illegible]	.6									1.6	[illegible].6
S	.[illegible]	.[illegible]										1.0	4.3
SSW		.[illegible]	.[illegible]									1.[illegible]	7.7
SW		.[illegible]										.[illegible]	4.[illegible]
WSW			.[illegible]									.3	[illegible].[illegible]
W	.[illegible]	.3										.[illegible]	3.5
WNW			.[illegible]									.3	7.[illegible]
NW			.[illegible]									.3	7.[illegible]
NNW	.[illegible]	.[illegible]										1.[illegible]	3.3
VARBL													
CALM												.[illegible]	
	3.[illegible]	17.7	38.4	37.4	2.3							1[illegible].[illegible]	[illegible].5

TOTAL NUMBER OF OBSERVATIONS [illegible]15

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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: 1973-82 MONTH: OCT

CLASS: ALL WEATHER HOURS (L.S.T.): 16

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	.3								2.3	5.7
NNE	.1	.2	.2	.3								.8	6.5
NE	.4	4.2	7.7	1.9								14.5	7.7
ENE		10.5	17.7	12.6	.6							36.5	10.0
E	.4	2.3	7.7	12.9	1.2							24.5	11.0
ESE	.4	.8	1.0	2.3								4.5	1.4
SE				.7								.6	5.0
SSE		.4	.4									1.3	4.5
S			.4									.3	4.0
SSW			.2	.3								1.3	5.6
SW	.4			.2								.6	6.5
WSW		.4										.3	5.0
W	.4	.3										.6	4.0
WNW	.2											.2	2.5
NW			.2									.3	3.0
NNW	.2	.2	.2	.3								1.3	5.7
VARBL													
CALM												.4	
	3.3	1.0	44.2	31.6	1.6							100.2	7.2

TOTAL NUMBER OF OBSERVATIONS: 12

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NAVAL WEATHER SERVICE
DETACHMENT
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SURFACE WINDS

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

STATION: [illegible] KANEOHE BAY, HI — STATION NAME — YEARS — MONTH: OCT

CLASS: ALL [illegible] — 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	.e[illegible]	1e[illegible]	1e7	e3								3e[illegible]	5e5
NNE	e[illegible]	3e[illegible]	2e[illegible]	e6								6e[illegible]	6e7
NE	.e[illegible]	5e5	5e[illegible]	e3	e6							13e[illegible]	7e[illegible]
ENE	e[illegible]	6e[illegible]	10e8	1e6	e7							17e4	8e2
E	e[illegible]	4e[illegible]	[illegible]e[illegible]	11e3	1e3							16e1	10e7
ESE		e[illegible]	2e6	1e3								4e[illegible]	[illegible]e8
SE			e[illegible]									e3	7e[illegible]
SSE		e[illegible]										e[illegible]	5e8
S			1e[illegible]									1e7	e5
SSW		e[illegible]	e[illegible]									e[illegible]	5e5
SW				e[illegible]								e[illegible]	11e[illegible]
WSW	e[illegible]	e3										e[illegible]	3e[illegible]
W													
WNW		e[illegible]										e[illegible]	4e[illegible]
NW	e[illegible]	e3	e3									1e7	4e3
NNW	e[illegible]	e[illegible]	e6									1e3	1e[illegible]
VARBL													
CALM												1e[illegible]	
	e[illegible]	22e[illegible]	43e[illegible]	24e8	2e3							100e0	e7

TOTAL NUMBER OF OBSERVATIONS [illegible]

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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 OCT

CLASS _____ HOURS (L S T) 24

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.4	.7									1.4	5.4
NNE	.4	2.3	1.4	.7								4.4	6.7
NE	.7	2.4	1.4	.6								5.0	6.7
ENE	3.4	6.3	11.8	7.1								27.4	8.2
E	1.3	3.1	2.0	15.5	.6							48.4	8.5
ESE		1.4	1.3	1.6								4.5	6.6
SE			.4									.3	5.4
SSE			.4									.3	7.5
S	.4		.4									1.4	4.2
SSW	1.4		.7									1.4	7.3
SW		.4										.4	5.5
WSW	.4	1.3										1.4	4.0
W	.4	.7										1.0	3.7
WNW		.4										.4	7.5
NW		.4										.4	5.4
NNW	.4	.3										.8	7.5
VARBL													
CALM												2.0	
	.4	23.3	3.0	25.3	.6							1 0.0	.4

TOTAL NUMBER OF OBSERVATIONS _____

3

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 ALL EARLIER HOURS (L S T) 2

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.		.	.								1.	.
NNE	.	1.	1.									.	5.6
NE	1.	1.	1.	.								4.	6.3
ENE	1.	5.	3.	4.	.							14.	.
E	1.	.	24.	16.	.							1.	5.
ESE		.	1.	.								2.	.
SE	.	.										1.	4.
SSE	.	.										1.	7.3
S	.	.										1.	7.3
SSW	.	.										1.	7.3
SW	.	1.										1.	3.5
WSW	1.	.										1.	2.
W	.	.										.	3.
WNW		.										.	.
NW	.	.										1.	4.7
NNW	.		.									.	.
VARBL													
CALM												.	
	1.3	21.6	37.4	22.3	1.0							1.0	1.6

TOTAL NUMBER OF OBSERVATIONS _____

USCS GPO 1984 741 348 201

3

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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 OCT

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	.2	.	.6	.1								1.	5.3
NNE	.4	1.	1.	.4								.5	6.6
NE	.	.1	3.	.7	.1							.2	6.
ENE	1.	2.1	12.1	7.5	.3							26.4	8.9
E	1.1	5.	16.5	14.5	.7							38.	9.7
ESE	.	.	3.	1.5	.2							4.4	.3
SE	.	.	.	.1								.	5.4
SSE	.	.	.									.	5.4
S	.	.	.	.1								1.	8.
SSW	.	.	.	.								1.	4.
SW	.	.		.								1.	3.
WSW	.	.	.									1.	3.
W	.	.	.									1.	3.5
WNW	.	.	.									.	3.2
NW	.	.	.									.	4.3
NNW	.	.	.	.								.	4.7
VARBL													
CALM												.	
		2.	3.	25.	.1							100.	

TOTAL NUMBER OF OBSERVATIONS 24

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

PI — STATION — KANEOHE BAY, HI — STATION NAME — 77-82 — YEARS — NOV — MONTH

ALL WEATHER — CLASS — 06 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.7	.7								1.4	10.3
NNE	1.0	.7	.7	.7								2.7	5.6
NE	1.7	.7	2.3	.3								5.7	6.0
ENE	.3	1.7	5.4	4.7	.7							13.7	5.7
E	1.7	7.0	16.7	13.1	2.0							40.5	7.5
ESE		1.0	2.1	1.0								4.1	8.2
SE		.3	.7									.7	7.4
SSE		.3	.7									.7	7.5
S	1.0	.3	1.4	.7								3.4	6.6
SSW	1.4	1.4	.7									3.3	9.1
SW	.3	1.4										1.7	3.7
WSW	.3	2.1										4.0	3.7
W	1.7	.7	.7	.7								3.7	4.9
WNW	.7											.7	2.0
NW													
NNW				.7								.7	14.5
VARBL													
CALM												17.7	
	13.1	19.4	3.8	21.1	2.3							100.2	7.0

TOTAL NUMBER OF OBSERVATIONS 299

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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 _____

CONDITION _____

HOURS (LST) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

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(U.S. GPO 1984 741 348-201)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] HALCOMB BAY, MT (STATION / STATION NAME) 73-82 (YEARS) NOV (MONTH)

ALL [illegible] (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.[illegible]		.[illegible]	.[illegible]	.[illegible]							2.3	5.4
NNE	.[illegible]	.[illegible]	1.0	1.0								3.[illegible]	7.7
NE	.[illegible]	.[illegible]	1.3	.7								5.7	6.5
ENE	1.[illegible]	2.3	1.3	4.3	.7							1[illegible].[illegible]	9.0
E	.[illegible]	2.3	16.3	13.[illegible]	.7							32.[illegible]	10.4
ESE		1.0	2.[illegible]	1.3								[illegible].[illegible]	8.9
SE		.[illegible]		.[illegible]								1.3	9.8
SSE	.[illegible]	.[illegible]	.[illegible]	.3								1.[illegible]	6.2
S	1.[illegible]	1.[illegible]		.[illegible]								3.0	4.1
SSW	1.[illegible]	.[illegible]			.[illegible]							.3	5.4
SW	.[illegible]	.[illegible]										[illegible].[illegible]	2.4
WSW	.[illegible]	1.[illegible]										1.3	2.7
W	.[illegible]	.[illegible]										2.7	2.6
WNW	.[illegible]	1.0	.[illegible]	.3								2.[illegible]	5.9
NW													
NNW													
VARBL													
CALM												17.[illegible]	
	1[illegible].[illegible]	14.[illegible]	32.[illegible]	22.3	[illegible].[illegible]							100.0	[illegible].1

TOTAL NUMBER OF OBSERVATIONS [illegible]70

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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 73-82 MONTH NOV

CLASS ALL WEATHER HOURS (L.S.T.) 13

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	4.7	1.	1.3	.3							10.0	6.1
NNE	.1	2.0	2.3	.3								5.3	7.0
NE	.1	2.1	5.	.7	.3							9.1	7.7
ENE	.1	1.1	1.7	7.1	1.0							10.3	10.1
E		2.1	5.7	16.	3.0							27.3	12.1
ESE		.1	4.1	3.0								8.	9.9
SE	.1	.1	1.1									2.3	6.1
SSE			1.		.1							1.1	11.2
S	.1	.1	1.3	.3								1.7	6.7
SSW		.1	.1	.3								1.3	7.3
SW	1.	1.1										2.0	3.7
WSW													
W	.1	.1										1.0	5.0
WNW				.1								.3	10.0
NW		.1										.1	4.0
NNW	.1	1.3	.3	.3								1.1	5.1
VARBL													
CALM												3.	
	7.7	18.0	33.7	29.7	5.0							100.	7.8

TOTAL NUMBER OF OBSERVATIONS 10

3

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

(2 1 2) (STATION) KANEOHE BAY, HI (STATION NAME) 72-80 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 14 (HOUR (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	2.	1.0	.3							6.7	7.3
NNE	1.0	4.	5.7	1.3								12.7	7.3
NE	1.	2.	5.7	1.7								11.3	7.7
ENE	1.	4.3	12.	7.7	2.							25.7	9.4
E		1.7	.7	11.	8.0							21.0	11.9
ESE	.	.	2.3	3.3								7.7	9.8
SE	.		1.	.3								2.0	7.7
SSE	.	.	.7	.3	.3							2.0	8.7
S	.		.	.3								1.7	7.4
SSW	.		.7	.7								1.3	10.5
SW			.									.7	.0
WSW		.										.3	5.0
W	.7											.3	3.0
WNW					.3							.3	12.0
NW	.7											.3	3.0
NNW	1.0		.7	.3								1.7	6.2
VARBL													
CALM												1.7	
	7.3	14.3	30.7	29.0	5.0							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 300

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#U.S. GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

2 [illegible] KI[illegible]BAY, NJ — 73-82 — MAY

STATION — STATION NAME — YEARS — MONTH

ALL [illegible]

CLASS

HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	1.7	.7	.7							5.7	8.2
NNE	.6	1.0	2.3	.7								4.3	6.3
NE	1.1	4.1	4.3	1.7								12.1	7.0
ENE	.7	6.2	17.3	7.1	.3							27.3	9.1
E		1.1	14.1	11.1	2.0							31.0	11.1
ESE		1.1	2.1	.3								3.7	8.3
SE	.4	1.1	.7									2.0	5.5
SSE	.4	.7	.4	.7								1.7	6.0
S			.4				.1					.7	17.5
SSW	.1		.7	.7								1.0	7.3
SW	.4	.4	.3									1.1	5.1
WSW	.1											.3	3.3
W	.7				.7							1.4	7.7
WNW	.4	.3										.7	4.0
NW	.1	.1										.1	5.1
NNW	.6	.7	.4									1.1	4.7
VARBL													
CALM												1.0	
	6.1	21.0	41.3	24.0	3.3		.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1[illegible]0

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GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / STATION — PEARL HARBOR, HI / STATION NAME — [illegible] / YEARS — NOV / MONTH

ALL WEATHER / CLASS — 22 / HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.4	.7		.3						2.0	10.7
NNE		1.0	1.3	1.0								4.3	7.8
NE	2.1	2.7	3.7	.3								8.7	5.7
ENE	1.0	.3	.7	4.3	1.7							22.0	9.1
E	1.0	5.3	14.3	15.3	1.3							37.3	9.8
ESE	.4	.4	2.0	1.7								4.7	8.8
SE	.4	.3	.7	.3								1.3	7.5
SSE		.4										.7	4.0
S	1.0	.3	1.0					.3				3.3	7.8
SSW	.4	.4	.3	.3								1.7	9.6
SW	1.3	.4										1.0	3.3
WSW	2.7											2.7	1.8
W	.4	.3										.7	9.5
WNW		1.0										1.0	5.0
NW	.7	.3	.3									1.3	9.7
NNW	.4		.3	.3								1.0	2.0
VARBL													
CALM												.7	
	12.7	20.3	33.7	24.3	3.0	.3		.3				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 300

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) KA [illegible] BAY, MT (STATION NAME) [illegible]-82 (YEARS) MCV (MONTH)

ALL WEATHER (CLASS) 21 (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]	1.[illegible]	.3							1.7	13.0
NNE			1.[illegible]									2.[illegible]	7.3
NE	1.[illegible]	4.3	1.[illegible]	1.[illegible]	.3							6.[illegible]	[illegible].2
ENE	1.[illegible]	4.3	7.[illegible]	4.[illegible]	.7							17.0	9.5
E	1.[illegible]	4.3	16.[illegible]	12.3	.7							35.7	9.8
ESE	.[illegible]	2.3	3.7	1.3								7.7	7.8
SE		.[illegible]										.7	[illegible].5
SSE	.[illegible]	.3	.7									1.7	5.8
S	1.[illegible]	.3	1.[illegible]									2.7	6.6
SSW	1.[illegible]	1.3	.3		.7							2.3	5.4
SW	2.[illegible]	1.[illegible]		.7								4.0	3.8
WSW	1.[illegible]	1.3	.7									3.0	4.2
W	.[illegible]	.7	.3									3.0	3.7
WNW	.[illegible]											1.0	2.7
NW													
NNW		.[illegible]										.7	4.[illegible]
VARBL													
CALM												[illegible].7	
	1.[illegible]	21.7	32.7	21.0	2.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS [illegible]00

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#U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KANEOHE BAY, HI [illegible] NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.1	.[illegible]	.9	.3	.						3.[illegible]	7.8
NNE	.	1.7	2.[illegible]	.6								4.4	7.2
NE	1.1	2.	3.4	.6	.1							6.3	6.7
ENE	1.1	3.	9.[illegible]	5.3	.2							20.6	8.2
E	1.[illegible]	7.[illegible]	12.3	13.1	1.6							32.[illegible]	10.3
ESE	.	1.[illegible]	2.[illegible]	1.6								5.7	8.8
SE	.	.[illegible]	.[illegible]	.3								1.[illegible]	7.1
SSE	.	.4	.[illegible]	.2	.1							1.4	7.7
S	.1	.[illegible]	.7	.3		.	.					2.[illegible]	6.2
SSW	.	.[illegible]	.[illegible]	.2	.1							2.4	5.5
SW	1.	.7	.1	.[illegible]								[illegible].3	3.4
WSW	1.[illegible]	.[illegible]	.1									2.1	3.0
W	1.1	.[illegible]	.1	.1	.[illegible]							1.[illegible]	4.9
WNW	.[illegible]	.4	.1	.1	.[illegible]							1.0	5.6
NW	.1	.2	.									.3	4.7
NNW	.[illegible]	.3	.2	.3								1.3	4.3
VARBL													
CALM												7.7	
	11.[illegible]	19.[illegible]	38.6	23.6	3.1	.	.0	.0				100.[illegible]	7.8

TOTAL NUMBER OF OBSERVATIONS 2[illegible]59

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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: [illegible] MONTH: DEC

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			[illegible]	1.3								2.3	11.4
NNE		1.[illegible]	1.[illegible]	.3								4.[illegible]	7.2
NE	.[illegible]	4.5	2.3	1.[illegible]								[illegible]	6.6
ENE	2.[illegible]	3.[illegible]	4.5	4.5								15.5	7.9
E	1.[illegible]	4.5	6.8	7.8	1.[illegible]							[illegible]	[illegible]
ESE		1.[illegible]	1.[illegible]									2.[illegible]	7.3
SE	[illegible]		[illegible]									[illegible]	4.[illegible]
SSE	.[illegible]	1.[illegible]										[illegible]	3.7
S	1.[illegible]	1.[illegible]	.[illegible]	.3								4.[illegible]	[illegible]
SSW	[illegible]	1.[illegible]	1.[illegible]	1.[illegible]								[illegible]	[illegible]
SW	[illegible]	.3	.6	.6								2.[illegible]	6.6
WSW	2.[illegible]	2.6	.3	.6								[illegible]	4.7
W	1.[illegible]	.6	.6									4.2	3.8
WNW	1.[illegible]		.6									1.[illegible]	4.4
NW		1.[illegible]										1.[illegible]	.3
NNW			[illegible]									[illegible]	8.[illegible]
VARBL													
CALM												14.[illegible]	
	1.3	26.2	21.[illegible]	17.5	1.[illegible]							1[illegible].[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] KAITONE BAY, MI — [illegible] — DEC
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 05
CLASS — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.7		.7							1.4	7.7
NNE		.3	1.6	1.0								4.0	7.7
NE	.0	2.0	3.6	1.9								9.1	7.6
ENE	.0	4.2	5.3	4.5								14.1	7.6
E	.0	5.2	3.1	7.1	1.7	.7						17.8	10.0
ESE	.0	1.7	1.7									3.4	6.5
SE	.0	.3	.7									1.0	7.7
SSE	.0	.3	.6									1.0	4.5
S	.0	.0	1.7	.3								2.0	5.2
SSW	.0	1.3	.7	1.3			.3					3.4	7.7
SW	.0	1.0	1.7									2.7	4.1
WSW	.3	1.0										1.3	3.1
W	2.7	.3	.7									2.9	3.7
WNW			1.0	.7								1.7	8.6
NW	.7											.7	2.0
NNW	.7	.7		.6								1.7	7.5
VARBL													
CALM												17.7	
	3.1	21.4	21.7	17.2	1.6	.7	.3					100.3	6.1

TOTAL NUMBER OF OBSERVATIONS 303

SMOs

USCG GPO 1984 /41 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

CLASS _____ HOURS (L.S.T.)

CONDITION _____

SPEED (KNTS) DIR.	1 - 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

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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 _____

3

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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 DEC

CLASS _____ 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	.6	7.0	5.0	.6	.2							6.1	7.0
NNE	1.6	3.0	2.4	.6								6.0	6.2
NE		.7	1.5	2.3								4.4	7.8
ENE	.4	2.8	5.5	8.1	.6							17.3	10.1
E	.6	4.2	6.3	8.1	.6	.3						20.1	11.1
ESE	1.4	1.6	2.1	.6								5.8	6.3
SE		.6	1.7	.3								2.6	7.1
SSE		.2	.4	.1								1.0	7.7
S		.6	1.0									1.6	.0
SSW	.2	.6	1.6	.3	.2							3.0	.9
SW			1.0	.2	.2							1.4	1.2
WSW	.2	1.0	.6	.3								2.0	.4
W	.2	.2	.6		.2							1.6	.4
WNW													
NW	.0	.3		.4								1.0	.3
NNW	.0	1.2	.2									.3	4.6
VARBL													
CALM												.0	
	.1	2.0	31.1	22.7	2.6	.3						100.0	.2

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] / PALOMAR BAY, MT / 73-82 / 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	1.0	2.0	1.5	2.9								5.4	7.0
NNE	1.0	4.2	4.5	1.0	.3							13.3	6.4
NE	2.0	4.2	4.1	1.9								13.4	6.2
ENE	.0	7.6	5.4	6.3								20.5	5.4
E	1.0	3.0	6.3	5.8	1.2	.3						16.8	10.4
ESE	.0	1.7	2.4	.3								4.5	7.1
SE	.0	1.1	1.3									2.2	5.8
SSE	.0	1.2										1.4	5.2
S	.0	1.0	.2									1.2	5.0
SSW	.0	1.0	1.0	.3								2.3	6.3
SW	.0	.0	1.1	.6								2.1	8.5
WSW	.0			1.0								1.1	10.0
W	.0	.2	.7									1.0	8.7
WNW	.0	.4	.3									.8	6.5
NW	.0		.0	.3								1.0	7.1
NNW	.0	.0		.6	.3							1.1	11.0
VARBL													
CALM												3.2	
	1.3	29.7	35.1	21.5	2.6	.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 736

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] PEARL HARBOR, HI 77-82 DEC
STATION STATION NAME YEARS MONTH

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

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS [illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] HONOLULU BAY, HI — [illegible]-82 — DEC
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 23
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	.[illegible]				.[illegible]							.[illegible]	10.0
NNE	1.[illegible]	1.[illegible]	1.6	1.[illegible]	.3							6.1	7.3
NE	.3	1.[illegible]	4.5	1.5								10.7	7.2
ENE	.[illegible]	4.2	5.5	4.5								16.[illegible]	8.1
E	1.[illegible]	7.1	3.[illegible]	1.9	2.3	.3						23.[illegible]	10.1
ESE	1.[illegible]	.[illegible]	1.[illegible]	.3								3.2	7.1
SE	.[illegible]	.[illegible]	.3									1.[illegible]	5.0
SSE													
S	.[illegible]	1.3	1.[illegible]									3.[illegible]	9.2
SSW	.[illegible]	2.[illegible]	1.[illegible]									6.[illegible]	9.2
SW	1.[illegible]	2.3	1.[illegible]	.6	.3							5.[illegible]	9.3
WSW	1.3	1.[illegible]		.3								2.[illegible]	9.1
W	1.[illegible]	.3	.6									1.9	4.8
WNW	.[illegible]	.3	.3									1.3	9.7
NW	1.[illegible]											1.0	3.3
NNW			.[illegible]	.6								1.[illegible]	12.5
VARBL													
CALM												1.[illegible]	
	2[illegible].7	23.3	21.[illegible]	12.4	3.2	.3						1[illegible].7	6.6

TOTAL NUMBER OF OBSERVATIONS 379

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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 DEC 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	.[illegible]	1.[illegible]	1.2	.7	.2							4.[illegible]	7.5
NNE	1.1	2.3	2.7	.9	.1							7.1	7.1
NE	1.[illegible]	3.4	4.1	1.6	.[illegible]							10.[illegible]	7.8
ENE	1.3	3.[illegible]	6.3	5.1	.3							17.0	8.8
E	.1	4.3	6.1	6.[illegible]	1.7	.2						18.[illegible]	10.2
ESE	.[illegible]	1.2	1.[illegible]	.2	.[illegible]							3.[illegible]	6.9
SE	.[illegible]	.7	.[illegible]	.1								2.[illegible]	5.2
SSE	.[illegible]	1.[illegible]	.2	.1								1.7	4.8
S	1.[illegible]	1.2	.[illegible]	.2								3.[illegible]	4.8
SSW	1.[illegible]	1.2	.[illegible]	.5	.[illegible]		.[illegible]					4.4	5.9
SW	1.4	.[illegible]	.9	.6	.2	.[illegible]						3.[illegible]	6.3
WSW	1.[illegible]	1.[illegible]	.[illegible]	.4	.[illegible]							3.2	5.1
W	1.2	.[illegible]	.5	.[illegible]	.1							2.[illegible]	5.1
WNW	.[illegible]	.[illegible]	.5	.[illegible]								1.2	4.0
NW	.[illegible]	.5	.2	.2								1.3	5.5
NNW	.[illegible]	.6	.[illegible]	.3	.[illegible]							1.[illegible]	7.2
VARBL													
CALM												10.[illegible]	
	15.[illegible]	24.4	27.4	19.2	2.7	.2	.0					100.[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 24[illegible]

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

21 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) ALL (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	.4	.	.7	.5	.1	.						2.7	7.6
NNE	.5	1.2	1.7	.4	.							4.2	6.6
NE	.	2.1	4.3	1.6	.1							9.7	7.6
ENE	.6	4.2	11.5	9.2	.7	.						26.7	9.6
E	.	2.3	13.4	13.3	1.4	.						33.3	10.2
ESE	.3	.	1.6	1.2	.1							4.1	7.9
SE	.	.3	.6	.1	.1							1.0	6.5
SSE	.	.1	.2	.1	.1							.5	5.5
S	.	.1	.2	.2	.1	.0	.0	.1				2.1	5.6
SSW	.	.	.4	.2	.1	.	.0					2.1	6.1
SW	.	.1	.1	.2	.1	.	.0					1.3	5.6
WSW	.	.	.2	.2	.1	.	.0	.0				1.7	5.8
W	.1	.2	.2	.1	.0	.0	.0					1.7	5.4
WNW	.1	.4	.2	.1	.0		.0					.9	5.2
NW	.1	.3	.1	.	.0							.7	5.5
NNW	.1	.3	.2	.2	.0	.0						1.0	6.3
VARBL													
CALM												5.7	
	.9	10.9	31.4	27.3	2.7	.1	.0	.0				100.7	7.4

TOTAL NUMBER OF OBSERVATIONS 22194

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MAINE BAY, MT [illegible] YEARS ALL MONTH

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

CIG 200 TO 1499 FT W/VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.	3.1	3.5	.6							11.7	9.3
NNE	.1	2.4	3.1	2.0								7.7	7.8
NE	.2	1.4	3.9	3.1								8.8	8.2
ENE		2.1	4.7	2.8								10.7	8.6
E	1.2	3.1	5.5	8.4	.6	.4						20.3	11.6
ESE	.4	.1	1.6	2.4	.4							5.1	8.7
SE			1.2	.8								2.0	10.0
SSE			.1									1.2	6.5
S	.4	1.2	.4	.2	.8			.1				3.1	13.1
SSW	.1	.2	.4	.4	.4							2.1	7.6
SW	.1		.1	.3	.4		.4					2.1	12.1
WSW	.2	.4		.4	.4	.2		.4				3.5	14.8
W	.4	1.2	.4			.4	.4					2.4	11.6
WNW	.1	1.6	1.2									3.1	9.8
NW	.2	1.1	.3	.8								4.3	8.1
NNW	.4	1.2	2.	2.0								5.5	8.9
VARBL													
CALM												3.0	
	.7	21.7	29.9	29.1	3.9	1.6	.8	.8				100.0	

TOTAL NUMBER OF OBSERVATIONS 2[illegible]8

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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 minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

PART D

ADDITIONAL EXAMPLES

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

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

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

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

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

PART D SKY COVER

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

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

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

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

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

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

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

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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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 _____

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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																
≥ 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	≥ 1¼	≥ 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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≥ 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																
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≥ 7000																
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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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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≥ 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 JUL

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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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≥ 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 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 2

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]	45.7	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	[illegible]
≥ 20000	[illegible]	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	[illegible]
≥ 18000	[illegible]	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	[illegible]
≥ 16000	[illegible]	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	[illegible]
≥ 14000	[illegible]	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	[illegible]
≥ 12000	[illegible]	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	[illegible]
≥ 10000	[illegible]	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	[illegible]
≥ 9000	[illegible]	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	[illegible]
≥ 8000	[illegible]	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	[illegible]
≥ 7000	[illegible]	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	[illegible]
≥ 6000	[illegible]	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	[illegible]
≥ 5000	[illegible]	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	[illegible]
≥ 4500	[illegible]	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	[illegible]
≥ 4000	[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	[illegible]
≥ 3500	[illegible]	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	[illegible]
≥ 3000	[illegible]	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	[illegible]
≥ 2500	[illegible]	86.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	[illegible]
≥ 2000	[illegible]	92.2	92.2	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	[illegible]
≥ 1800	[illegible]	94.5	94.5	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	[illegible]
≥ 1500	[illegible]	96.1	97.4	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	[illegible]
≥ 1200	[illegible]	96.1	97.4	98.1	98.7	98.7	98.7	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.0	99.0	99.0	99.[illegible]	[illegible]
≥ 1000	[illegible]	96.1	98.1	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 800	[illegible]	96.5	98.4	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 700	[illegible]	96.5	98.4	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 600	[illegible]	96.5	98.4	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 500	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 400	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 300	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 200	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 100	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
0	[illegible]	96.5	98.4	99.[illegible]	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS 2481

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 200																
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TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000		41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 18000		41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 16000		41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 14000		41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000		44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000		45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 9000		45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 8000	1.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000	1.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 6000	2.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 5000	4.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4500	5.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3500	6.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	6.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	7.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	4.2	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	5.2	95.9	96.9	97.2	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	5.5	95.9	97.0	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	5.5	95.9	98.2	98.6	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	5.6	95.9	98.2	98.6	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	5.9	95.9	98.2	98.6	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	5.9	95.9	98.2	98.6	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.9	95.4	95.6	98.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 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	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 10000																
≥ 9000																
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≥ 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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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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≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBI

STATION | STATION NAME | YEARS | MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

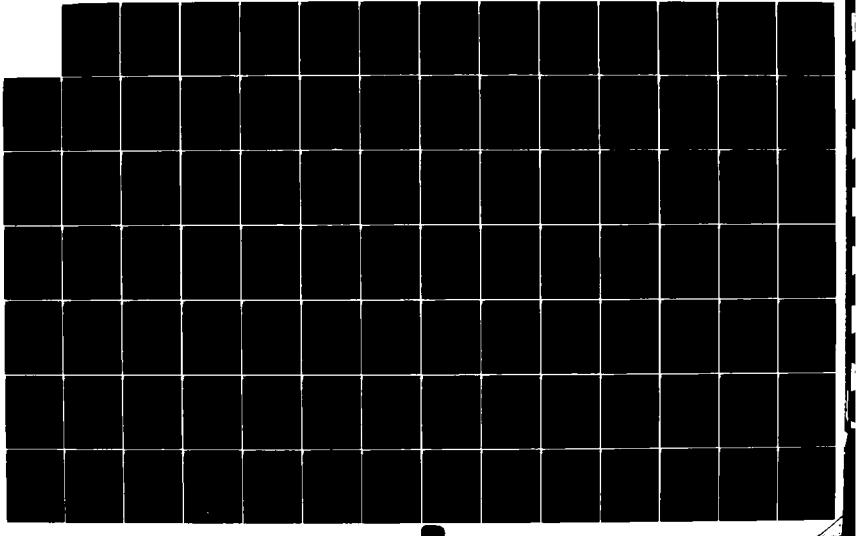
CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼
NO CEILING															
≥ 20000															
≥ 18000															
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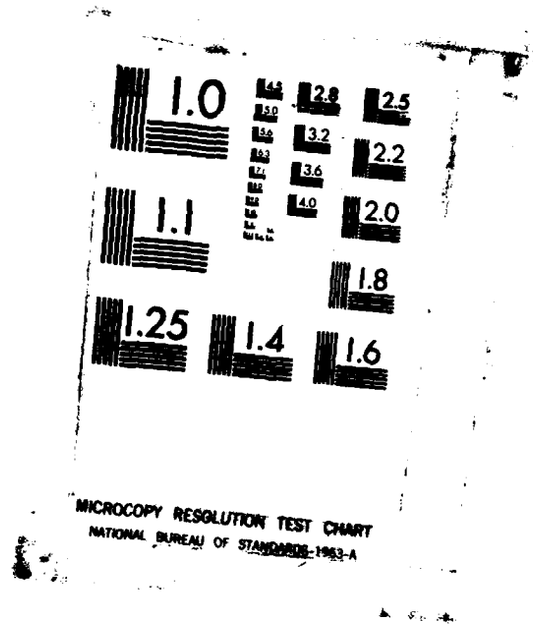
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD A150 703 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) KANEOHE BAY(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC SEP 84 3/40

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | KANEOHE BAY, HI | 73-82 | FEB

STATION | STATION NAME | YEARS | MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	46.5	[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	[illegible]	[illegible]	[illegible]	48.9	48.9	[illegible]	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48.9	48.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48.9	48.9	48.9	48.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48.9	48.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	[illegible]	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 9000	[illegible]	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 8000	[illegible]	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 7000	[illegible]	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	[illegible]	[illegible]	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000	[illegible]	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	[illegible]	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	95.0	95.3	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 225

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: [illegible] | STATION NAME: [illegible] BAY, HI | YEARS: [illegible] | MONTH: [illegible]

HOURS (L S T): 00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	[illegible]
≥ 20000	[illegible]	[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	[illegible]
≥ 16000	[illegible]	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	[illegible]	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	[illegible]	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 10000	[illegible]	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	[illegible]	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 8000	[illegible]	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 7000	[illegible]	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 6000	[illegible]	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 5000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 4500	[illegible]	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000	[illegible]	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	[illegible]	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	[illegible]
≥ 3000	[illegible]	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	[illegible]	85.[illegible]	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	[illegible]	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	[illegible]	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	[illegible]	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	[illegible]	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	[illegible]	97.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	[illegible]	97.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	[illegible]	97.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 0	[illegible]	97.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME KALOKE BAY, HI YEARS 73-82 MONTH MAR HOURS (LST) [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 20000	.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	1.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	1.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 10000	1.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 9000	1.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 8000	1.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 7000	1.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 6000	1.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 5000	1.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500	1.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	1.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	3.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000	5.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	14.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	13.6	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	5.5	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	6.1	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.
≥ 1200	6.1	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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	6.1	97.4	99.4	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 [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 20000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 18000	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 16000	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 14000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 12000	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 10000	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 9000	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 8000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 7000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 6000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 5000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 3500	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[redacted] (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS) MAR (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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	34.	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 18000	34.	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 16000	34.	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 14000	[illegible]	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 12000	[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 10000	36.	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 9000	36.	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 8000	[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000	[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	[illegible]	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 4500	[illegible]	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	[illegible]	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3500	[illegible]	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000	3.6	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	[illegible]	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	[illegible]	92.3	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	[illegible]	95.5	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	[illegible]	96.5	98.1	99.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	[illegible]	96.5	98.1	99.4	99.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	[illegible]	97.1	98.4	99.3	99.0	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	[illegible]	97.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	[illegible]	97.1	98.4	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	97.1	98.4	99.3	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	97.1	98.4	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [redacted]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AIR FORCE BASE, MS	[illegible]-[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST): 14

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.3	33.[illegible]	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.[illegible]
≥ 20000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 12000	39.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	42.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 7000	42.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 6000	42.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 5000	44.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500	57.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	61.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	63.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	66.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2500	79.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	89.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	92.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	92.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	92.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.[illegible]
≥ 1000	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] | STATION NAME KANEOHE BAY, HI | YEARS 73-82 | MONTH [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HRS (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	[illegible]	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	32.[illegible]	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000	32.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000	32.[illegible]	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	35.[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 10000	39.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 9000	39.[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 8000	39.[illegible]	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 7000	39.[illegible]	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 6000	40.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	43.[illegible]	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4000	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	65.[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	78.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	6.8	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	8.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	8.4	97.7	98.7	99.0	99.[illegible]	99.[illegible]	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.
≥ 1200	8.4	98.1	99.[illegible]	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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	8.7	98.4	99.7	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 [illegible]1[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME [illegible] Bay, MI YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	36.[illegible]	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	[illegible]	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	36.[illegible]	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	[illegible]	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 12000	[illegible]	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	[illegible]	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	[illegible]	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	[illegible]	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 7000	[illegible]	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 6000	[illegible]	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 5000	3.[illegible]	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500	[illegible]	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	[illegible]	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	[illegible]	[illegible]	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3000	67.[illegible]	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 2500	[illegible]	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	4.[illegible]	95.5	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	6.1	95.5	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	6.[illegible]	96.5	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	6.[illegible]	97.4	98.7	98.7	98.7	98.7	99.[illegible]	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.1	98.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 716

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 [illegible] STATION NAME [illegible] YEARS [illegible] 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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	[illegible]
≥ 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]	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	[illegible]	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000	[illegible]	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 8000	[illegible]	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	[illegible]
≥ 7000	[illegible]	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	[illegible]
≥ 6000	[illegible]	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	[illegible]
≥ 5000	[illegible]	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	[illegible]
≥ 3000	[illegible]	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	[illegible]
≥ 2500	[illegible]	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	96.0	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	[illegible]	97.1	97.1	97.4	97.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	[illegible]
≥ 1200	[illegible]	97.6	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	[illegible]
≥ 1000	[illegible]	98.[illegible]	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	[illegible]
≥ 900	[illegible]	98.[illegible]	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	[illegible]
≥ 800	[illegible]	98.[illegible]	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	[illegible]
≥ 700	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	[illegible]
≥ 600	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	[illegible]
≥ 500	[illegible]	[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	98.[illegible]	99.3	99.6	99.7	99.7	99.8	99.8	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 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 [illegible] MI YEARS 7[illegible] MONTH [illegible]

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	[illegible]	[illegible]	[illegible]
≥ 20000	.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.0	[illegible]	29.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.7	[illegible]	29.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	.7	[illegible]	31.0	31.0	31.0	31.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 10000	1.0	[illegible]	[illegible]	[illegible]	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	[illegible]
≥ 9000	1.7	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 8000	1.7	[illegible]	[illegible]	[illegible]	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	[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	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	34.7	34.3	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.3	34.3	34.3	34.7
≥ 20000	[illegible]	39.7	39.7	39.0	39.7	39.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.7
AVI 18000	[illegible]	39.7	39.7	39.0	39.7	39.7	39.7	39.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.7
AVI 16000	[illegible]	39.7	39.7	39.0	39.0	39.7	39.7	39.7	39.0	39.0	39.7	39.0	39.0	39.0	39.0	39.7
AVI 14000	[illegible]	40.7	40.0	40.0	40.0	40.0	40.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.7
AVI 12000	[illegible]	42.7	42.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.7
AVI 10000	[illegible]	45.7	45.7	45.0	45.0	45.0	45.0	45.7	45.7	45.0	45.0	45.0	45.0	45.0	45.0	45.7
AVI 9000	[illegible]	[illegible]	45.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AVI 8000	[illegible]	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.7
AVI 7000	[illegible]	45.3	45.7	45.3	45.7	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.7	45.3	45.3	45.7
AVI 6000	[illegible]	45.3	45.3	45.3	45.3	45.3	45.3	45.7	45.3	45.3	45.7	45.3	45.3	45.3	45.7	45.7
AVI 5000	[illegible]	48.3	48.7	48.3	48.3	48.3	48.7	48.3	48.7	48.3	48.3	48.3	48.3	48.3	48.3	48.7
AVI 4500	[illegible]	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
AVI 4000	[illegible]	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
AVI 3500	[illegible]	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
AVI 3000	[illegible]	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
AVI 2500	[illegible]	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7
AVI 2000	[illegible]	93.3	93.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AVI 1800	[illegible]	94.3	94.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AVI 1500	[illegible]	96.7	97.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AVI 1200	[illegible]	97.3	97.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AVI 1000	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 900	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 800	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 700	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 600	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 500	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 400	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 300	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 200	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 100	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVI 0	[illegible]	97.3	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] KANEOHE BAY, HI 77-82 APR

STATION STATION NAME YEARS MONTH

1-4

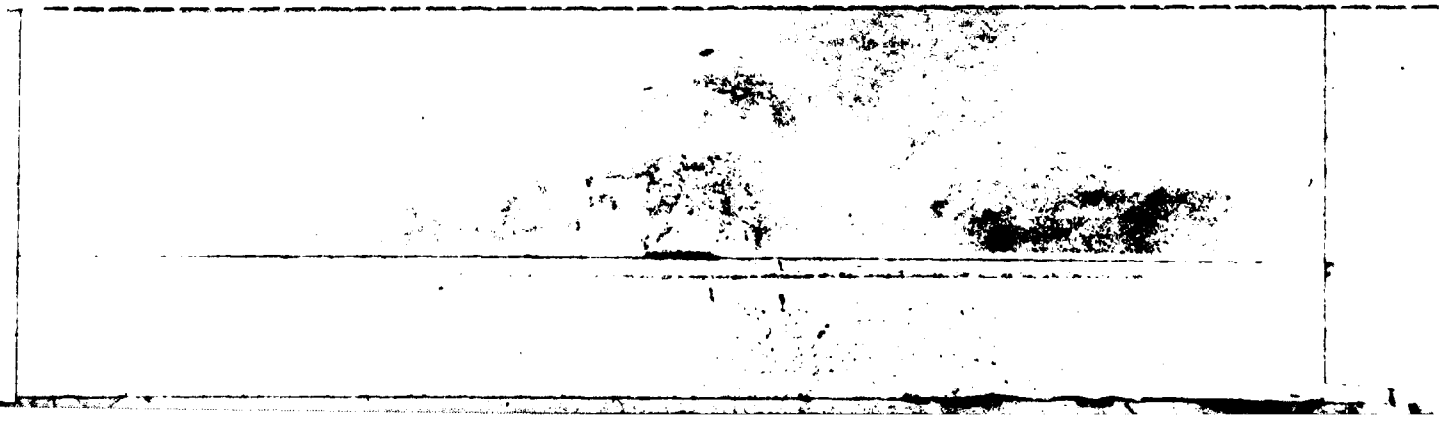
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	[illegible]	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 18000	[illegible]	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 16000	[illegible]	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 14000	[illegible]	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 12000	[illegible]	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 10000	[illegible]	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 9000	[illegible]	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 8000	[illegible]	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 7000	[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 6000	[illegible]	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 5000	[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4500	[illegible]	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	[illegible]	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3500	[illegible]	68.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3000	[illegible]	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	[illegible]	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	[illegible]	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	[illegible]	97.0	97.7	98.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	[illegible]	97.3	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	[illegible]	97.7	98.3	99.0	99.0	99.0	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	[illegible]	98.7	99.3	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	[illegible]	98.7	99.3	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	98.0	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

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	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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 3?00

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | KANEOHE BAY, HI | 73-82 | APR

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	[illegible]
≥ 20000	[illegible]	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000	[illegible]	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	[illegible]	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	[illegible]	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000	[illegible]	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000	[illegible]	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 9000	[illegible]	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 8000	[illegible]	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	[illegible]
≥ 7000	[illegible]	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	[illegible]
≥ 6000	[illegible]	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 5000	[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4500	[illegible]	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	[illegible]
≥ 4000	[illegible]	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	[illegible]
≥ 3500	[illegible]	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	[illegible]
≥ 3000	[illegible]	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	[illegible]
≥ 2500	[illegible]	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	[illegible]
≥ 2000	[illegible]	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	[illegible]	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	[illegible]	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	[illegible]	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	[illegible]
≥ 1000	[illegible]	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	[illegible]	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	[illegible]	98.7	99.7	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	[illegible]	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 600	[illegible]	98.7	99.7	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	[illegible]	98.7	99.7	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	[illegible]	98.7	99.7	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	[illegible]	98.7	99.7	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	[illegible]	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 100	[illegible]	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
≥ 0	[illegible]	98.7	99.7	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 [illegible]0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] BAY, HI YEARS [illegible] MONTH [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 21

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	35.7	35.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 18000	[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000	[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 12000	[illegible]	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	[illegible]	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	[illegible]	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 8000	[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 7000	[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	[illegible]	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 5000	42.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4500	[illegible]	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	[illegible]	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	[illegible]	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	[illegible]	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	[illegible]	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	[illegible]	95.7	95.7	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
≥ 1800	[illegible]	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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	[illegible]	99.7	99.7	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 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME HARBOR BAY, MI YEARS [illegible] MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST) ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	1.[illegible]	31.0	31.0	31.0	31.0	31.0	31.0	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]
≥ 20000	[illegible]	35.5	[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.[illegible]
≥ 18000	35.[illegible]	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 16000	35.[illegible]	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000	35.[illegible]	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	37.[illegible]	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	39.[illegible]	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 9000	39.[illegible]	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 8000	39.[illegible]	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 7000	39.[illegible]	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000	40.[illegible]	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	43.[illegible]	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 4500	60.[illegible]	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	67.[illegible]	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	68.[illegible]	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	71.[illegible]	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	82.[illegible]	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2000	94.[illegible]	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	96.[illegible]	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	97.[illegible]	97.9	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.[illegible]	98.2	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	98.[illegible]	98.3	99.0	99.5	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.[illegible]	98.3	99.0	99.5	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	98.[illegible]	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 18000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	[illegible]	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000	[illegible]	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	[illegible]	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	[illegible]	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000	[illegible]	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	[illegible]	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	[illegible]	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4500	6.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	[illegible]	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	[illegible]	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	[illegible]	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	[illegible]
≥ 2000	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 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]	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	[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
≥ 1000	[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
≥ 900	[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
≥ 800	[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
≥ 700	[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
≥ 600	[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
≥ 500	[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
≥ 400	[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
≥ 300	[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
≥ 200	[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
≥ 100	[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
0	[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

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: [illegible] | STATION NAME: [illegible] BAY, HI | YEARS: 73-82 | MONTH: MAY | HOURS (L S T): [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]	3 [illegible]
≥ 20000	[illegible]	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	[illegible]	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	[illegible]	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000	[illegible]	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	[illegible]	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	1.[illegible]	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 9000	1.[illegible]	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000	1.[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000	1.[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	1.[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	44.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]
≥ 4500	6.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	[illegible].4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	[illegible].3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	1.[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	[illegible].4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	5.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	7.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	8.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	8.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	8.4	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	8.[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
≥ 800	8.4	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	8.[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
≥ 600	8.[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
≥ 500	8.4	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	8.4	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	8.4	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	8.[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
≥ 100	8.[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
≥ 0	8.[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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000		42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000		42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 8000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 6000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 5000		46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		96.1	96.1	96.1	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800		97.4	97.4	97.4	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500		98.7	98.7	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		98.7	98.7	98.7	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		98.7	98.7	99.0	99.0	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] | STATION NAME [illegible] BAY, HI | YEARS [illegible] | MONTH MAY

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	≥ ½	≥ ⅜	≥ 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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 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																
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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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AVAI 18000																
AVAI 16000																
AVAI 14000																
AVAI 12000																
AVAI 10000																
AVAI 9000																
AVAI 8000																
AVAI 7000																
AVAI 6000																
AVAI 5000																
AVAI 4500																
AVAI 4000																
AVAI 3500																
AVAI 3000																
AVAI 2500																
AVAI 2000																
AVAI 1800																
AVAI 1500																
AVAI 1200																
AVAI 1000																
AVAI 900																
AVAI 800																
AVAI 700																
AVAI 600																
AVAI 500																
AVAI 400																
AVAI 300																
AVAI 200																
AVAI 100																
AVAI 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	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

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

TOTAL NUMBER OF OBSERVATIONS 2430

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS 239

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 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 390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] PEARL HARBOR, HI [illegible] JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000	[illegible]	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	[illegible]	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	[illegible]	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	[illegible]	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 12000	[illegible]	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	[illegible]	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	[illegible]	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	[illegible]
≥ 8000	[illegible]	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	[illegible]
≥ 7000	[illegible]	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	[illegible]	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 5000	[illegible]	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	[illegible]	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	[illegible]	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	[illegible]	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
≥ 3000	[illegible]	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	[illegible]	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	[illegible]	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	[illegible]	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	[illegible]	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	[illegible]	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	[illegible]	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	[illegible]	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | [illegible] BAY, HI (STATION NAME) | [illegible] (YEARS) | J[illegible] (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	≥ 1¾	≥ 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	34.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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 3[illegible]0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____ 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH 2 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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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≥ 2500																
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≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 300

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 2 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	≥ 1¼	≥ 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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≥ 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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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 _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

HOURS (L S T) 11

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 _____

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 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 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	[illegible]	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	[illegible]	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 16000	[illegible]	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	[illegible]	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 8000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 6000	[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 5000	[illegible]	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500	[illegible]	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	[illegible]	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	[illegible]	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	[illegible]	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	[illegible]	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.4	99.7	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	[illegible]	99.4	99.7	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	[illegible]	99.4	99.7	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	[illegible]	99.4	99.7	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	[illegible]	99.4	99.7	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 [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	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	5.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	5.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	5.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	7.1	40.7	40.7	40.7	41.0	40.0	40.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	7.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	7.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 9000	7.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 8000	7.4	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 7000	7.4	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 6000	7.4	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 5000	10.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4500	12.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4000	13.4	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	14.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	15.2	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	16.2	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	16.2	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	16.5	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	16.5	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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	17.1	98.4	99.7	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 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
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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 J''

HOURS (LST) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000	.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 14000	.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 10000	1.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 9000	1.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 8000	1.1	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000	1.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 6000	41.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 5000	44.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4500	7.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	5.6	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	5.7	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	5.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	5.8	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	5.8	93.7	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	6.3	97.5	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	6.3	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	6.4	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	6.5	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	8.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	8.2	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.2	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.2	99.2	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.3	99.3	99.7	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	8.3	99.3	99.7	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	8.3	99.3	99.7	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	8.3	99.3	99.7	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	8.3	99.3	99.7	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	8.3	99.3	99.7	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 2462

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 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	≥ ½	≥ 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 31[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME PEARL HARBOR, HI YEARS 72-76 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.6	35.5	35.8	35.5	35.8	35.8	35.8	35.5	35.8	35.8	35.8	35.5	35.8	35.8	35.8	35.8
≥ 20000	46.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	46.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	46.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	46.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000	46.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 10000	46.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 9000	46.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	46.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000	46.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 6000	46.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 5000	52.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500	52.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	64.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	67.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	67.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	73.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	81.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	82.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	84.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	84.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	84.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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	84.9	99.7	99.7	99.7	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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.6	41.6	41.6	41.6	41.	41.	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.
≥ 20000			5 .7													5 .7
≥ 18000			5 .7													5 .7
≥ 16000			5 .7													
≥ 14000		0.7	5 .7												0.7	
≥ 12000		51.0	51.0	51.0	51.	1.	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.0
≥ 10000		51.0	51.0	1.0	51.7	1.0	51.	1.	51.	51.	51.	51.	51.	51.	51.	51.
≥ 9000		1.3	51.3	51.3	51.3	1.3	51.3	1.3	51.7	51.3	51.3	51.3	51.3	51.7	51.3	51.3
≥ 8000		1.	51.9	51.	51.9	1.	51.	51.9	51.9	51.9	51.	51.9	51.9	51.9	51.9	51.
≥ 7000			52.3	52.3	52.3	2.3	52.3	52.3		52.3	52.3	52.3	52.3	52.3	52.3	
≥ 6000		2.6	52.6	52.6	52.6	2.6	52.6		52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 5000			54.8	54.8	54.8	54.8	54.8	54.8	54.8		54.8	54.8	54.8	54.8	54.8	54.8
≥ 4500						70.0	70.0	70.0	70.0		70.0	70.0	70.0	70.0	70.0	
≥ 4000		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.
≥ 3000		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500			87.1	87.1	87.1	7.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.
≥ 2000		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		98.7	99.	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.
≥ 1200		99.	99.4	99.7	99.7	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
≥ 1000		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 800		99.4	99.7	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.	100.0	100.0	100.0	100.0	100.0
≥ 700		99.4	99.7	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 600		99.4	99.7	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 500		99.4	99.7	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 400		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 300		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 200		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 100		99.4	99.7	1 .0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
0																

TOTAL NUMBER OF OBSERVATIONS _____ 31?

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ 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		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000		48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 7000		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000																
≥ 5000		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500																
≥ 4000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500																
≥ 2000		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	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	≥ 1¾	≥ 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																
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≥ 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																
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≥ 9000																
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0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
AV 18000	.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
AV 16000	.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
AV 14000	.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
AV 12000	.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
AV 10000	.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
AV 9000	.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
AV 8000	.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
AV 7000	.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
AV 6000	.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
AV 5000	.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
AV 4500	.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
AV 4000	.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
AV 3500	.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
AV 3000	.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
AV 2500	.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
AV 2000	.7	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AV 1800	.9	98.3	99.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AV 1500	.6	99.	99.7	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.
AV 1200	.6	99.	99.7	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
AV 1000	.6	99.7	99.7	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
AV 900	.6	99.7	99.7	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
AV 800	.6	99.7	99.7	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
AV 700	.6	99.7	99.7	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
AV 600	.6	99.7	99.7	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
AV 500	.6	99.7	99.7	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
AV 400	.6	99.	99.7	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
AV 300	.6	99.7	99.7	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
AV 200	.6	99.	99.7	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
AV 100	.6	99.	99.7	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
AV 0	.6	99.	99.7	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 259

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS 289

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
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TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH SEP

HOURS (LST) 21

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.1	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	53.9	56.3	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	4.1	56.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	4.1	56.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	4.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	4.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	4.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	4.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000	4.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 7000	4.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 6000	4.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000	5.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4500	4.1	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
≥ 4000	4.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	4.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	6.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	22.3	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	23.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	23.4	98.7	98.7	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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	23.3	99.7	99.7	99.7	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 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
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≥ 300																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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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≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

HOURS (LST) 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

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																
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≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 713

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME [illegible] BAY, HI YEARS [illegible] MONTH [illegible]

HOURS (LST) [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
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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) 06

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 18000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 12000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 8000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 7000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 6000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 5000	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3500	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	94.3	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	96.3	96.3	97.0	97.3	97.7	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	98.0	98.0	98.7	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.0	98.0	99.7	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.3	98.3	99.7	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.3	98.3	99.7	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.3	98.3	99.7	99.0	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.3	98.3	98.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.3	98.3	99.7	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] YEARS NOV MONTH

11 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	1.	[illegible]	37.7	37.7	37.7	[illegible]	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	[illegible]
≥ 20000	.	44.7	44.7	44.7	44.7	[illegible]	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AVAI 18000	.	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AVAI 16000	.	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AVAI 14000	.	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AVAI 12000	.	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
AVAI 10000	.	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
AVAI 9000	.	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
AVAI 8000	.	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
AVAI 7000	1.	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
AVAI 6000	1.	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
AVAI 5000	.	51.	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.
AVAI 4500	.	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
AVAI 4000	.	67.7	68.	68.0	68.0	68.0	68.	68.0	68.0	68.0	68.	68.0	68.	68.0	68.	68.
AVAI 3500	.	69.7	70.0	70.0	70.0	70.	70.0	70.0	70.0	70.0	70.0	70.0	70.	70.	70.	70.
AVAI 3000	0.	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.
AVAI 2500	6.	83.	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
AVAI 2000	7.	93.3	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
AVAI 1800	95.	95.7	97.	97.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.	97.0	97.
AVAI 1500	97.	98.	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 1200	97.	98.	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 1000	97.	98.	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 900	97.3	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 800	97.	98.0	99.	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 700	97.0	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 600	97.	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
AVAI 500	97.	98.	99.7	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.
AVAI 400	97.	98.	99.7	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.
AVAI 300	97.	98.	99.7	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.
AVAI 200	97.	98.	99.7	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.
AVAI 100	97.	98.	99.7	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.
AVAI 0	97.	98.0	99.7	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.

TOTAL NUMBER OF OBSERVATIONS [redacted]0

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	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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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																
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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	≥ 1¼	≥ 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																
≥ 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 / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] BAY, MI YEARS [illegible] MONTH DEC HOURS (L S T) [illegible]

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]	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	43.4	43.4	43.4	[illegible]	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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 _____

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		41.4	41.4	41.4	41.	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000		45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000		45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000		46.	46.	46.	46.	46.	46.	46.	46.	46.	46.	46.	46.	46.	46.	46.
≥ 14000		46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 12000		47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000		51.	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 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 DEC

HOURS (L S T) 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	47.2	[illegible]	[illegible]	[illegible]	47.2	47.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	47.4	47.4	[illegible]	47.4	47.4	[illegible]	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	[illegible]	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	[illegible]	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 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]	53.9	53.9	53.9	[illegible]	53.9	53.9	53.9	[illegible]	53.9	53.9	53.9	53.9	53.9	[illegible]
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	70.1	70.1	70.1	[illegible]	[illegible]	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3500	[illegible]	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 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 | DEC 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																
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≥ 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 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	44.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	44.1	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 18000	44.	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	44.2	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	44.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	44.2	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	44.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	44.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	44.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	44.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 6000	44.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 5000	44.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4500	44.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	44.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	44.1	74.8	74.8	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	44.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	44.6	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	44.8	94.2	95.2	96.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	45.4	96.4	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	45.7	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	45.7	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0	45.7	98.1	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 324

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 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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≥ 7000																
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≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

3

SKY COVER

[illegible] KALKOHE BAY, MI 73-82 JAN
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	02	3.7			42.6						23.4	19.4	5.8	[illegible]
	[illegible]	12.[illegible]			35.[illegible]						31.3	20.3	5.9	[illegible]
	[illegible]	[illegible].7			34.7						46.5	14.[illegible]	6.6	[illegible]
	11	1.[illegible]			41.[illegible]						43.5	12.6	6.4	[illegible]
	14	.7			41.0						43.[illegible]	14.8	6.7	[illegible]
	[illegible]	1.			39.4						44.[illegible]	15.6	6.8	[illegible]
	20	3.[illegible]			41.6						33.[illegible]	21.0	6.4	[illegible]
	23	[illegible].[illegible]			39.[illegible]						33.[illegible]	18.1	6.[illegible]	[illegible]
TOTALS		[illegible].4			39.[illegible]						38.[illegible]	17.0	6.3	24[illegible]

3

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible] 19	KANEOHE BAY, HI	72-82	[illegible] FEB

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] F	[illegible]	[illegible].9			43.3						3[illegible].2	11.7	5.7	2[illegible]2
	[illegible]	[illegible].6			42.[illegible]						34.[illegible]	13.5	5.7	2[illegible]2
		[illegible].[illegible]			32.6						47.5	17.8	6.6	2[illegible]2
	11	[illegible].[illegible]			41.1						4[illegible].[illegible]	17.4	6.6	2[illegible]2
	1[illegible]	[illegible].[illegible]			37.[illegible]						46.[illegible]	15.6	6.9	2[illegible]2
	1[illegible]	[illegible].1			3[illegible].7						[illegible]1.5	18.8	[illegible].9	2[illegible]2
		[illegible].[illegible]			[illegible]2.[illegible]						35.[illegible]	15.2	[illegible].[illegible]	2[illegible]2
	2[illegible]	[illegible].6			3[illegible].4						3[illegible].5	14.5	5.9	2[illegible]2
TOTALS		[illegible].3			39.8						33.9	15.1	6.3	2256

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3

SKY COVER

2 19 STATION | PA[illegible]CHE BAY, HI STATION NAME | [illegible]-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]	2.6			33.5						43.[illegible]	20.0	[illegible].0	[illegible]
	[illegible]	[illegible].3			34.[illegible]						[illegible].[illegible]	22.3	6.[illegible]	[illegible]
	[illegible]	1.[illegible]			[illegible].2						56.1	18.[illegible]	[illegible].6	[illegible]
	11	.[illegible]			26.[illegible]						52.[illegible]	20.0	[illegible].6	[illegible]
	1[illegible]	.[illegible]			31.[illegible]						4[illegible].[illegible]	18.4	[illegible].3	[illegible]
	[illegible]	.6			26.[illegible]						4.[illegible]	18.4	[illegible].5	[illegible]
	[illegible]	.[illegible]			32.9						4[illegible].[illegible]	18.7	[illegible].2	[illegible]
	23	[illegible].			4 .3						42.9	14.[illegible]	[illegible].6	[illegible]
TOTALS		1.[illegible]			31.4						43.3	19.9	7.2	24[illegible]

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3

SKY COVE

STATION | STATION NAME | PERIOD | MONTH

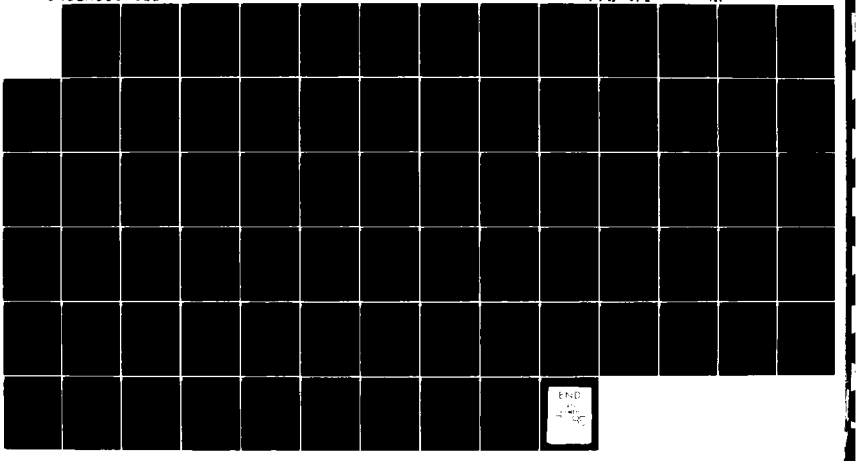
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

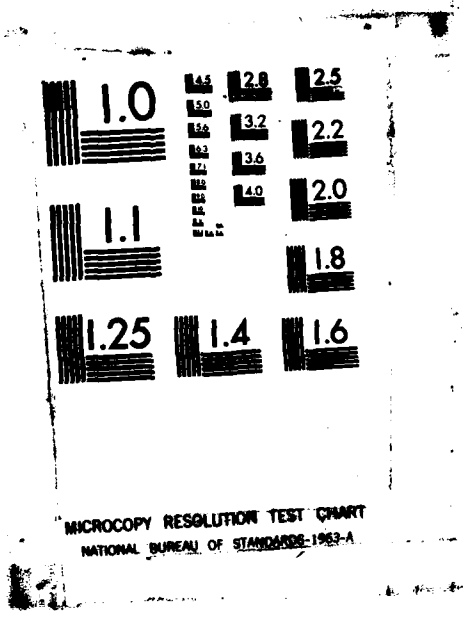
MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
TOTALS														

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AD-A150 703 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
KANEOHE BAY(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC SEP 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
2.8
2.5
3.2
2.2
3.6
2.0
4.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

3

SKY COVER

22 19 KANEOHE BAY, HI 73-82 MAY
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		
MAY	03	1.3			37.4						49.4	11.9	6.8	310
	07	1.9			35.5						47.1	15.5	6.9	310
	09	.3			38.3						57.4	11.9	7.3	310
	11				31.6						55.2	13.2	7.2	310
	15	.3			38.4						51.0	10.3	6.8	310
	17				35.3						57.7	11.9	7.3	310
	21				32.9						54.5	12.6	7.2	310
	23				47.7						39.0	13.2	6.3	310
TOTALS		.6			35.5						51.4	12.6	7.0	2487

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SKY COVER

22519 KANEOHE BAY, HI 73-82 JUN

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		
JUN	03				40.3						49.0	10.7	6.7	300
	06	.7			37.0						47.3	15.0	6.9	300
	09				24.0						62.0	14.0	7.7	300
	11				27.7						59.0	13.3	7.4	300
	14				25.3						61.3	13.3	7.4	300
	17				25.7						62.7	11.7	7.6	300
	20				32.7						59.0	13.3	7.5	300
	23				35.3						53.3	11.3	7.0	300
TOTALS		.1			30.9						56.6	12.5	7.3	2400

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3

SKY COVER

22119 KANEOHE BAY, HI 73-82 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	02	.3			41.3						47.7	10.6	6.6	310
	05	.3			44.2						44.2	11.3	6.4	310
	08				29.0						58.4	12.6	7.4	310
	11				31.0						59.7	9.4	7.2	310
	14				36.5						54.2	9.4	6.9	310
	17				34.5						56.1	9.4	7.0	310
	20	.3			31.9						56.1	11.6	7.2	310
	23				44.2						47.7	8.1	6.4	310
TOTALS		.1			36.6						53.0	10.3	6.9	2480

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SKY COVER

22519 KANEOHE BAY, HI 73-82 AUG

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		
AUG	02	.3			46.5						42.9	10.3	6.3	310
	05	.3			46.5						44.2	9.0	6.3	310
	08				31.9						54.5	13.5	7.2	310
	11				37.7						51.9	10.3	6.8	310
	14				42.3						48.4	9.4	6.6	310
	17	.3			35.5						51.6	12.3	6.9	310
	20				37.1						50.0	12.9	6.9	310
	23	.6			40.3						48.1	11.0	6.6	310
TOTALS		.2			39.8						49.8	11.1	6.7	2480

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SKY COVER

22519	KANEOHE BAY, HI	73-82	SEP
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	02	1.3			50.8						43.1	4.7	5.9	299
	05	2.7			53.8						39.5	4.7	5.6	299
	08	1.0			39.8						54.5	4.7	6.6	299
	11				45.2						45.8	9.0	6.4	299
	14				51.2						43.?	5.?	6.0	299
	17				44.1						50.5	5.4	6.4	299
	20				40.1						53.5	6.4	6.7	299
	23	1.7			47.8						45.2	5.4	6.0	299
TOTALS		.8			46.6						47.?	5.7	6.2	2392

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SKY COVER

22519 KANEOHE BAY, HI 73-80 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	3.2			47.7						36.5	12.6	6.0	310
	05	4.5			48.1						37.1	10.3	5.8	310
	08	.6			34.2						55.5	9.7	7.0	310
	11				35.5						55.2	9.4	7.0	310
	14				35.5						56.8	7.7	6.9	310
	17				35.2						53.9	11.0	7.0	310
	20	1.0			39.7						46.1	13.2	6.7	310
	23	1.3			49.4						38.7	10.6	6.0	310
TOTALS		1.7			40.7						47.5	10.6	6.6	2480

NAVWEASERVCOM

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SKY COVER

22519 KANEOHE BAY, HI 73-82 NOV

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	02	3.3			43.3						37.7	15.7	6.3	300
	05	2.3			44.7						39.3	13.7	6.2	300
	08				30.0						55.3	14.7	7.3	300
	11				34.3						51.7	14.0	7.1	300
	14				30.3						53.0	16.7	7.3	300
	17				28.0						59.3	12.7	7.4	300
	20	1.7			37.3						46.0	15.3	6.8	300
	23	1.7			41.3						45.0	12.0	6.5	300
TOTALS		1.1			36.2						48.4	14.4	6.9	2400

NAVWEASERVCOM

SKY COVER

22119 | KANEOHE BAY, HI | 73-82 | 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]	5.5			43.4						38.5	12.6	6.0	[illegible]
	[illegible]	4.2			45.[illegible]						39.2	11.0	6.0	309
	[illegible]	.7			37.[illegible]						47.9	14.2	6.9	[illegible]
	11	.3			39.2						45.3	15.2	6.8	[illegible]
	14	.6			4[illegible].3						43.2	15.9	6.7	[illegible]
	17	.6			37.[illegible]						46.1	16.2	6.9	[illegible]
	[illegible]	1.6			45.1						36.3	14.[illegible]	6.3	[illegible]
	23	4.2			46.6						37.5	11.7	5.9	[illegible]
TOTALS		[illegible].2			41.[illegible]						42.[illegible]	14.[illegible]	6.4	2469

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3

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible]	KANEOHE BAY, HI	73-82	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	[illegible].4			[illegible].3						36.3	17.[illegible]	[illegible].3	24[illegible]
FEB		[illegible].7			39.8						39.9	15.1	[illegible].3	225[illegible]
MAR		1.[illegible]			41.4						48.3	18.9	7.2	24[illegible]
APR		.[illegible]			27.5						51.[illegible]	20.0	[illegible].5	24[illegible]0
MAY		.[illegible]			35.5						[illegible]1.4	12.6	7.[illegible]	24[illegible]
JUN		.1			30.[illegible]						56.6	12.[illegible]	7.3	24 0
JUL		.[illegible]			36.6						[illegible]3.[illegible]	10.3	6.9	24[illegible]
AUG		.[illegible]			39.8						45.[illegible]	11.1	[illegible].7	24[illegible]
SEP		.[illegible]			46.6						47.[illegible]	5.7	6.2	23[illegible]2
OCT		1.[illegible]			40.[illegible]						47.5	10.6	6.8	2480
NOV		[illegible].1			36.2						42.4	14.4	6.9	24 0
DEC		2.2			41.[illegible]						42.0	14.0	6.8	2469
TOTALS		1.[illegible]			37.2						47.8	13.5	6.8	29197

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

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

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

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (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.

. 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
[illegible]	[illegible] BAY, HI	45-47, 52-55, 57-65, 68-69

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥						.1		.1	1.1	1.4	.1	.2	.1
≥	2.0	2.0	1.7	1.4	5.7	15.1	21.3	26.1	32.6	26.9	10.6	3.2	13.6
≥	31.1	30.1	29.5	28.7	62.3	9 .2	94.1	99.2	99.3	94.5	69.1	36.2	65.6
≥	87.8	87.1	90.2	95.4	99.4	1 0.0	100.0	100.0	100.0	100.1	99.4	95.8	96.4
≥	99.4	99.9	99.8	100.0	100.0						100.0	100.0	99.9
≥	100.0	100.0	100.0										100.0
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MEAN	77.1	77.9	78.1	78.9	8 .3	81.8	82.5	83.5	83.9	83.2	81.8	78.7	8 .7
S. D.	2.114	3.073	2.984	2.615	2.465	2.224	2.278	2.033	2.244	2.512	2.738	2.859	3.8 5
TOTAL OBS.	865	740	837	830	884	869	929	930	877	899	870	899	10447

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DAILY TEMPERATURES

[illegible] KANEOHE BAY, HI — 45-4[illegible], 52-55, 57-65, 68-82
STATION — STATION NAME — YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]INIM[illegible]

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]								.1	.[illegible]	.6			.1
≥ 75	.3	.7	.2	1.1	7.[illegible]	24.2	37.6	55.6	6[illegible].6	38.9	17.[illegible]	2.9	21.2
≥ 70	3[illegible].2	37.6	42.2	64.3	83.3	[illegible]2.4	96.9	98.4	99.2	95.9	83.6	56.3	74.7
≥ [illegible]	88.5	[illegible]8.8	95.2	[illegible]8.1	[illegible]9.9	100.0	100.0	100.0	100.0	100.0	99.5	96.1	97.3
≥ [illegible]	1[illegible]0.0	100.0	100.0	100.0	100.0						100.0	100.0	100.0
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MEAN	[illegible]	[illegible]	68.3	70.1	71.4	72.9	73.6	74.5	74.9	73.9	72.[illegible]	69.7	71.[illegible]
S. D.	2.[illegible]56	2.87[illegible]	2.5[illegible]1	2.2[illegible]1	2.129	2.[illegible]46	2.265	2.147	2.136	2.361	2.55[illegible]	2.799	3.374
TOTAL OBS.	[illegible]	76[illegible]	8[illegible]7	83[illegible]	884	869	9[illegible]9	93[illegible]	876	899	8[illegible]	899	10[illegible]

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DAILY TEMPERATURES

12 12 — STATION | KANEOHE BAY, HI — STATION NAME | 45-4?, 52-55, 57-65, 68-82 — YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]								.1	.2	.7			.1
≥ 80	.7	.7		1.0	6.7	16.9	27.8	42.5	49.7	34.0	12.0	1.9	16.7
≥ 75	36.7	36.1	37.3	56.3	79.[illegible]	95.1	98.5	100.0	99.9	97.3	83.0	48.4	73.3
≥ 70	91.7	93.2	95.3	98.4	100.0	100.0	100.0		100.0	100.0	99.7	98.1	93.1
≥ 65	100.0	100.0	99.9	100.0							100.0	100.0	100.0
≥ 60			100.0										100.0
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MEAN	73.5	73.4	73.7	74.7	76.1	77.7	78.3	79.3	79.7	78.8	76.7	74.5	76.4
S.D.	2.670	2.618	2.453	2.178	2.058	1.985	2.022	1.796	1.899	2.162	2.342	2.427	3.167
TOTAL OBS.	863	760	837	830	884	869	929	930	876	899	870	899	10446

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
2219	KANEOHE BAY, HI	1946-1949 1953-1955 9999-9999	JANUARY

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	73.0	22.8	77.7	25.4	87	30.6	1981	68.3	20.2	60	15.6	1973
2	73.6	23.1	77.9	25.5	83	28.3	1983*	69.3	20.7	65	18.3	1973
3	73.6	23.1	78.2	25.7	84	28.9	1946	68.9	20.5	62	16.7	1947
4	73.7	23.2	78.6	25.9	84	28.9	1983*	68.8	20.4	63	17.2	1971
5	73.8	23.2	78.9	26.1	85	29.4	1979	68.7	20.4	60	15.6	1947
6	73.3	22.9	77.8	25.4	84	28.9	1981	68.7	20.4	62	16.7	1971*
7	72.8	22.7	77.2	25.1	84	28.9	1980	68.4	20.2	60	15.6	1971
8	73.3	22.9	78.1	25.6	84	28.9	1983	68.4	20.2	60	15.6	1949
9	72.8	22.7	77.9	25.5	83	28.3	1983	67.8	19.9	60	15.6	1949
10	72.9	22.7	77.9	25.5	85	29.4	1981	68.0	20.0	62	16.7	1970*
11	72.9	22.7	77.8	25.4	84	28.9	1977	68.1	20.1	62	16.7	1947
12	72.9	22.7	77.9	25.5	82	27.8	1981*	67.9	19.9	62	16.7	1949*
13	73.7	23.2	78.9	26.1	87	30.6	1980	68.5	20.3	62	16.7	1949
14	73.9	23.3	79.2	26.2	86	30.0	1981	68.6	20.3	62	16.7	1947
15	73.8	23.2	79.2	26.2	87	30.6	1981	68.4	20.2	61	16.1	1947
16	74.1	23.4	79.1	26.2	87	30.6	1980	69.1	20.6	64	17.8	1949
17	73.7	23.2	78.8	26.0	86	30.0	1983	68.7	20.4	62	16.7	1949
18	73.8	23.2	78.7	25.9	85	29.4	1975	68.9	20.5	64	17.8	1971*
19	74.1	23.4	79.4	26.3	87	30.6	1974	68.8	20.4	64	17.8	1971*
20	73.2	22.9	78.4	25.8	86	30.0	1975	68.1	20.1	63	17.2	1969
21	72.9	22.7	78.2	25.7	85	29.4	1975*	67.6	19.8	60	15.6	1955
22	73.0	22.8	77.9	25.5	86	30.0	1983	68.1	20.1	62	16.7	1971
23	72.6	22.6	77.3	25.2	83	28.3	1981*	67.8	19.9	62	16.7	1971*
24	73.7	23.2	78.3	25.7	83	28.3	1976	69.0	20.6	60	15.6	1948
25	73.2	22.9	78.1	25.6	83	28.3	1973	68.3	20.2	61	16.1	1948
26	73.1	22.8	78.0	25.6	86	30.0	1981	68.2	20.1	64	17.8	1980*
27	72.8	22.7	77.4	25.2	82	27.8	1980*	68.1	20.1	61	16.1	1948
28	72.8	22.7	77.8	25.4	86	30.0	1974	67.8	19.9	62	16.7	1971
29	73.2	22.9	78.0	25.6	84	28.9	1983	68.3	20.2	61	16.1	1947
30	73.1	22.8	77.8	25.4	86	30.0	1981	68.3	20.2	63	17.2	1972*
31	72.8	22.7	77.2	25.1	82	27.8	1971	68.3	20.2	60	15.6	1972*
Monthly	73.3	22.9	78.2	25.7	87	30.6	1981*	68.4	20.2	60	15.6	1973*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1946-1949 1953-1955 9999-9999	FEBRUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	72.9	22.7	78.0	25.6	86	30.0	1974	67.7	19.8	60	15.6	1972
2	73.6	23.1	78.5	25.8	85	29.4	1974	68.7	20.4	61	16.1	1972
3	73.6	23.1	79.2	26.2	88	31.1	1974	68.0	20.0	63	17.2	1979*
4	73.9	23.3	79.4	26.3	86	30.0	1981	68.4	20.2	64	17.8	1979*
5	73.5	23.1	78.6	25.9	86	30.0	1978	68.4	20.2	62	16.7	1947
6	73.4	23.0	78.1	25.6	83	28.3	1983*	68.7	20.4	63	17.2	1948
7	73.4	23.0	78.0	25.6	84	28.9	1983	68.7	20.4	63	17.2	1948
8	72.5	22.5	77.5	25.3	85	29.4	1980	67.5	19.7	60	15.6	1976
9	73.1	22.8	78.0	25.6	85	29.4	1980*	68.2	20.1	60	15.6	1948
10	73.1	22.8	77.6	25.3	82	27.8	1980*	68.6	20.3	60	15.6	1948
11	72.9	22.7	77.4	25.2	82	27.8	1978	68.4	20.2	61	16.1	1947
12	73.0	22.8	77.9	25.5	84	28.9	1981	68.2	20.1	61	16.1	1947
13	73.4	23.0	78.1	25.6	83	28.3	1978	68.8	20.4	63	17.2	1979*
14	73.6	23.1	78.0	25.6	86	30.0	1981	69.1	20.6	63	17.2	1948
15	73.1	22.8	77.3	25.2	84	28.9	1981	68.9	20.5	61	16.1	1948
16	73.2	22.9	77.8	25.4	84	28.9	1982*	68.6	20.3	62	16.7	1955
17	73.6	23.1	78.5	25.8	84	28.9	1982*	68.6	20.3	62	16.7	1955
18	73.3	22.9	77.9	25.5	84	28.9	1982	68.7	20.4	64	17.8	1972*
19	73.4	23.0	77.9	25.5	85	29.4	1970	68.9	20.5	63	17.2	1971*
20	73.1	22.8	78.4	25.8	85	29.4	1983	67.9	19.9	61	16.1	1962
21	73.3	22.9	78.5	25.8	85	29.4	1978	68.1	20.1	63	17.2	1962
22	73.1	22.8	77.7	25.4	86	30.0	1980	68.5	20.3	62	16.7	1962*
23	73.1	22.8	77.9	25.5	84	28.9	1981*	68.2	20.1	62	16.7	1973
24	73.0	22.8	77.2	25.1	86	30.0	1983	68.8	20.4	63	17.2	1973*
25	73.0	22.8	77.6	25.3	84	28.9	1983	68.4	20.2	62	16.7	1973
26	73.4	23.0	78.0	25.6	82	27.8	1983*	68.8	20.4	64	17.8	1947
27	73.6	23.1	78.0	25.6	83	28.3	1983	69.1	20.6	63	17.2	1980*
28	72.9	22.7	77.5	25.3	84	28.9	1972	68.4	20.2	62	16.7	1953
29	74.2	23.4	79.5	26.4	82	27.8	1972	69.0	20.6	64	17.8	1948
30												
31												
Monthly	73.3	22.9	78.0	25.6	88	31.1	1974	68.5	20.3	60	15.6	1976*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1946-1949 1953-1955 9999-9999	MARCH
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	72.7	22.6	77.4	25.2	82	27.8	1981*	68.0	20.0	64	17.8	1955*
2	73.5	23.1	78.0	25.6	83	28.3	1983	69.0	20.6	67	19.4	1976*
3	73.2	22.9	77.7	25.4	82	27.8	1955	68.7	20.4	65	18.3	1976*
4	73.5	23.1	77.9	25.5	83	28.3	1979*	69.0	20.6	65	18.3	1976*
5	73.2	22.9	77.6	25.3	86	30.0	1983	68.7	20.4	60	15.6	1954
6	73.1	22.8	77.6	25.3	85	29.4	1983	68.5	20.3	62	16.7	1954
7	73.6	23.1	78.3	25.7	87	30.6	1981	68.8	20.4	61	16.1	1955
8	73.4	23.0	77.9	25.3	85	29.4	1981	69.0	20.6	64	17.8	1962
9	73.4	23.0	78.4	25.8	83	28.3	1983*	68.5	20.3	63	17.2	1948
10	73.9	23.3	78.9	26.1	86	30.0	1983	68.9	20.5	64	17.8	1948
11	73.8	23.2	78.9	26.1	87	30.6	1972	68.7	20.4	65	18.3	1974*
12	73.1	22.8	78.1	25.6	84	28.9	1972	68.1	20.1	62	16.7	1976
13	73.6	23.1	78.6	25.9	86	30.0	1972	68.7	20.4	61	16.1	1976
14	73.2	22.9	77.7	25.4	84	28.9	1983*	68.6	20.3	63	17.2	1976
15	73.0	22.8	77.8	25.4	84	28.9	1972	68.2	20.1	62	16.7	1976
16	73.5	23.1	78.1	25.6	84	28.9	1974	68.9	20.5	62	16.7	1955
17	73.4	23.0	78.1	25.6	83	28.3	1982*	68.6	20.3	60	15.6	1955
18	72.9	22.7	77.5	25.3	82	27.8	1972*	68.2	20.1	60	15.6	1955
19	73.6	23.1	78.3	25.7	82	27.8	1980*	68.9	20.5	64	17.8	1955
20	74.1	23.4	78.6	25.9	86	30.0	1974	69.6	20.9	64	17.8	1971
21	74.4	23.6	78.8	26.0	85	29.4	1982	69.9	21.1	63	17.2	1971
22	74.1	23.4	78.8	26.0	87	30.6	1981	69.4	20.8	65	18.3	1976*
23	73.9	23.3	78.3	25.7	83	28.3	1981*	69.4	20.8	64	17.8	1955
24	73.4	23.0	78.0	25.6	86	30.0	1971	68.7	20.4	62	16.7	1955
25	73.4	23.0	77.9	25.5	83	28.3	1983	69.0	20.6	61	16.1	1955
26	73.8	23.2	78.6	25.9	86	30.0	1974	68.9	20.5	61	16.1	1955
27	74.1	23.3	78.6	25.9	85	29.4	1974	69.4	20.8	63	17.2	1947
28	74.2	23.3	78.4	25.8	84	28.9	1974	69.7	20.9	65	18.3	1975*
29	73.6	23.1	78.1	25.6	84	28.9	1978	69.1	20.6	64	17.8	1975
30	73.9	23.3	78.1	25.6	84	28.9	1983	69.6	20.9	65	18.3	1972*
31	73.9	23.3	78.5	25.8	83	28.3	1983*	69.3	20.7	64	17.8	1971
Monthly	73.	23.1	78.2	25.7	87	30.6	1981*	68.9	20.5	60	15.6	1955*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1945-1949 1953-1955 9999-9999	APRIL
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	74.3	23.5	78.8	26.0	83	28.3	1983*	69.9	21.1	64	17.8	1971
2	73.9	23.3	78.0	25.6	85	29.4	1983	69.8	21.0	61	16.1	1948
3	74.1	23.4	78.5	25.8	84	28.9	1983*	69.6	20.9	66	18.9	1973*
4	73.9	23.3	78.3	25.7	84	28.9	1983*	69.6	20.9	65	18.3	1973
5	73.7	23.2	78.1	25.6	84	28.9	1983	69.3	20.7	64	17.8	1973
6	73.8	23.2	78.2	25.7	84	28.9	1983*	69.3	20.7	64	17.8	1973
7	74.3	23.5	78.9	26.1	84	28.9	1982*	69.7	20.9	63	17.2	1973
8	74.4	23.6	79.1	26.2	85	29.4	1982*	69.7	20.9	63	17.2	1973
9	74.6	23.7	78.9	26.1	84	28.9	1980*	70.4	21.3	65	18.3	1973
10	74.8	23.8	79.3	26.3	85	29.4	1983	70.3	21.3	66	18.9	1953*
11	74.6	23.7	79.0	26.1	87	30.6	1975	70.3	21.3	65	18.3	1947
12	74.4	23.6	78.9	26.1	84	28.9	1975	69.8	21.0	62	16.7	1947
13	74.5	23.6	79.0	26.1	85	29.4	1983	70.0	21.1	65	18.3	1948*
14	74.1	23.4	78.6	25.9	84	28.9	1983	69.7	20.9	62	16.7	1948
15	73.8	23.2	78.1	25.6	83	28.3	1983*	69.4	20.8	64	17.8	1949
16	74.1	23.4	79.0	26.1	84	28.9	1979*	69.2	20.7	62	16.7	1947
17	74.9	23.8	79.6	26.4	86	30.0	1979	70.3	21.3	66	18.9	1955*
18	74.8	23.8	78.9	26.1	84	28.9	1981*	70.6	21.4	67	19.4	1983*
19	74.6	23.8	79.0	26.1	85	29.4	1981	70.6	21.4	67	19.4	1971
20	74.8	23.8	79.4	26.3	87	30.6	1979	70.1	21.2	64	17.8	1958
21	74.7	23.7	79.3	26.3	84	28.9	1981*	70.2	21.2	62	16.7	1958
22	74.8	23.8	79.0	26.1	84	28.9	1981	70.6	21.4	63	17.2	1958
23	74.8	23.8	79.2	26.2	84	28.9	1981*	70.3	21.3	65	18.3	1971*
24	74.8	23.8	79.5	26.4	85	29.4	1981	70.1	21.2	67	19.4	1971
25	74.8	23.8	79.0	26.1	84	28.9	1981	70.6	21.4	66	18.9	1971*
26	75.0	23.9	79.5	26.4	85	29.4	1981	70.5	21.4	66	18.9	1973
27	75.3	24.1	79.7	26.5	87	30.6	1981	70.9	21.6	64	17.8	1979
28	75.3	24.1	79.8	26.6	84	28.9	1980*	70.8	21.6	66	18.9	1983
29	75.3	24.1	79.7	26.5	84	28.9	1978*	70.9	21.6	68	20.0	1982*
30	75.0	23.9	79.3	26.3	84	28.9	1978	70.6	21.4	66	18.9	1981
31												
Monthly	74.5	23.6	79.0	26.1	87	30.6	1981*	70.1	21.2	61	16.1	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1945-1949 1953-1955 9999-9999	MAY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	75.3	24.1	79.4	26.3	84	28.9	1962	71.2	21.8	67	19.4	1948
2	75.2	24.0	79.7	26.5	85	29.4	1978	70.7	21.5	67	19.4	1947
3	75.3	24.1	79.8	26.6	86	30.0	1978	70.7	21.5	66	18.9	1954
4	75.3	24.1	79.9	26.6	85	29.4	1978*	70.7	21.5	66	18.9	1946
5	74.7	23.7	79.0	26.1	84	28.9	1980*	70.4	21.3	66	18.9	1954*
6	75.2	24.0	79.6	26.4	84	28.9	1980*	70.8	21.6	67	19.4	1946
7	75.5	24.2	80.0	26.7	84	28.9	1980*	71.1	21.7	66	18.9	1946
8	75.7	24.3	80.3	26.8	86	30.0	1979	71.0	21.7	66	18.9	1973
9	75.6	24.2	80.1	26.7	86	30.0	1981	71.2	21.8	65	18.3	1973
10	75.8	24.3	80.2	26.8	86	30.0	1981	71.3	21.8	67	19.4	1973
11	76.0	24.4	80.7	27.1	85	29.4	1981*	71.3	21.8	67	19.4	1971
12	75.7	24.3	80.5	26.9	86	30.0	1980	70.9	21.6	62	16.7	1946
13	75.5	24.2	80.0	26.7	86	30.0	1981	71.0	21.7	68	20.0	1973*
14	76.0	24.4	80.4	26.9	86	30.0	1981	71.6	22.0	65	18.3	1973
15	75.9	24.4	80.4	26.9	86	30.0	1981	71.4	21.9	66	18.9	1973
16	75.5	24.2	79.7	26.5	85	29.4	1981	71.4	21.9	65	18.3	1973
17	76.2	24.6	80.5	26.9	86	30.0	1980*	71.9	22.2	66	18.9	1973
18	76.2	24.6	80.5	26.9	85	29.4	1983*	71.9	22.2	66	18.9	1973
19	76.3	24.6	80.5	26.9	85	29.4	1981*	72.0	22.2	68	20.0	1958
20	76.0	24.4	80.3	26.8	84	28.9	1983*	71.7	22.1	67	19.4	1973
21	75.7	24.3	80.2	26.8	85	29.4	1981*	71.3	21.8	67	19.4	1973
22	76.2	24.6	80.8	27.1	85	29.4	1981*	71.6	22.0	67	19.4	1947
23	76.1	24.5	80.7	27.1	87	30.6	1980	71.6	22.0	67	19.4	1971
24	76.4	24.7	80.7	27.1	87	30.6	1980	72.2	22.3	69	20.6	1973*
25	76.3	24.6	80.7	27.1	85	29.4	1980*	72.0	22.2	67	19.4	1971
26	76.4	24.7	81.2	27.3	87	30.6	1980	71.7	22.1	68	20.0	1973
27	76.6	24.8	81.1	27.3	86	30.0	1980*	72.0	22.2	67	19.4	1973*
28	76.8	24.9	81.3	27.4	87	30.6	1969	72.2	22.3	69	20.6	1973*
29	77.1	25.1	81.5	27.5	87	30.6	1969	72.7	22.6	67	19.4	1971
30	76.9	24.9	81.5	27.5	88	31.1	1980	72.2	22.3	67	19.4	1971
31	76.8	24.9	81.5	27.5	87	30.6	1979	72.1	22.3	69	20.6	1982*
Monthly	75.9	24.4	80.4	26.9	88	31.1	1980	71.5	21.9	62	16.7	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1945-1949 1953-1955 9999-9999	JUNE
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.1	25.1	81.6	27.6	87	30.6	1981*	72.5	22.5	67	19.4	1971
2	77.6	25.3	82.3	27.9	87	30.6	1981	73.0	22.8	67	19.4	1971
3	77.2	25.1	81.7	27.6	86	30.0	1979	72.7	22.6	69	20.6	1982*
4	77.0	25.0	81.5	27.5	86	30.0	1981*	72.6	22.6	67	19.4	1973
5	77.2	25.1	81.6	27.6	86	30.0	1981	72.9	22.7	67	19.4	1973
6	77.4	25.2	81.8	27.7	86	30.0	1981	73.0	22.8	68	20.0	1973
7	77.2	25.1	82.0	27.8	86	30.0	1980*	72.5	22.5	67	19.4	1971
8	77.2	25.1	81.7	27.6	87	30.6	1981	72.7	22.6	68	20.0	1948
9	77.4	25.2	82.1	27.8	87	30.6	1981*	72.8	22.7	67	19.4	1971*
10	77.6	25.3	82.0	27.8	87	30.6	1981	73.2	22.9	68	20.0	1955
11	77.8	25.4	82.5	28.1	86	30.0	1982*	73.0	22.8	69	20.6	1973*
12	77.5	25.3	81.9	27.7	86	30.0	1982	73.2	22.9	68	20.0	1948
13	77.2	25.1	81.7	27.6	88	31.1	1969	72.7	22.6	67	19.4	1973
14	77.7	25.4	82.1	27.8	90	32.2	1969	73.3	22.9	67	19.4	1973
15	77.7	25.4	82.2	27.9	88	31.1	1969	73.3	22.9	68	20.0	1975*
16	77.7	25.4	82.4	28.0	88	31.1	1979	73.1	22.8	68	20.0	1971
17	77.5	25.3	82.3	27.9	87	30.6	1981*	72.8	22.7	67	19.4	1982
18	77.4	25.2	82.0	27.8	87	30.6	1980	72.8	22.7	68	20.0	1972
19	77.6	25.3	82.0	27.8	87	30.6	1981	73.1	22.8	68	20.0	1972
20	77.3	25.2	81.9	27.7	88	31.1	1981	72.8	22.7	69	20.6	1973*
21	77.5	25.3	81.9	27.7	87	30.6	1969	73.0	22.8	68	20.0	1972
22	77.8	25.4	82.2	27.9	86	30.0	1981	73.5	23.1	68	20.0	1972
23	77.5	25.3	81.9	27.7	86	30.0	1983*	73.2	22.9	69	20.6	1972
24	77.6	25.3	82.2	27.9	87	30.6	1981*	73.1	22.8	69	20.6	1972*
25	77.5	25.3	82.0	27.8	87	30.6	1980	73.0	22.8	67	19.4	1972
26	77.5	25.3	82.1	27.8	87	30.6	1981	72.9	22.7	67	19.4	1972
27	77.5	25.3	82.1	27.8	87	30.6	1981	72.9	22.7	67	19.4	1972
28	77.7	25.4	82.4	28.0	87	30.6	1981	73.0	22.8	68	20.0	1972
29	77.5	25.3	82.0	27.8	88	31.1	1981	73.0	22.8	67	19.4	1955
30	77.8	25.4	82.4	28.0	87	30.6	1981*	73.2	22.9	69	20.6	1975*
31												
Monthly	77.5	25.3	82.0	27.8	90	32.2	1969	73.0	22.8	67	19.4	1982*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519 | KANEOHE BAY, HI | 1965-1969 1952-1955 9999-9999 | JULY
STATION | STATION NAME | YEARS | MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.9	25.3	82.1	27.8	86	30.0	1983*	73.0	22.8	68	20.0	1982
2	77.4	25.1	82.0	27.8	86	30.0	1980*	72.8	22.8	67	19.4	1971
3	77.8	25.4	82.3	27.9	88	31.1	1974	73.3	22.9	69	20.6	1975
4	77.8	25.4	82.2	27.9	89	31.1	1974	73.3	22.9	69	20.6	1975
5	77.8	25.4	82.3	27.9	86	30.0	1981*	73.4	23.0	69	20.6	1982
6	78.0	25.6	82.4	28.0	89	31.7	1983	73.6	23.1	69	20.6	1973
7	77.9	25.5	82.4	28.0	86	30.0	1978	73.3	22.9	70	21.1	1975*
8	78.0	25.6	82.6	28.1	87	30.6	1981*	73.4	23.0	69	20.6	1973*
9	78.0	25.6	82.5	28.1	88	31.1	1981	73.6	23.1	67	19.4	1953
10	77.7	25.4	82.3	27.9	87	30.6	1981*	73.2	22.9	68	20.0	1953
11	77.9	25.5	82.4	28.0	88	31.1	1981	73.4	23.0	68	20.0	1975
12	78.1	25.6	82.4	28.0	88	31.1	1982	73.8	23.2	70	21.1	1975*
13	78.2	25.7	82.7	28.2	88	31.1	1979	73.6	23.1	70	21.1	1982*
14	78.1	25.6	82.5	28.1	87	30.6	1969	73.7	23.2	71	21.7	1976*
15	78.0	25.6	82.4	28.0	86	30.0	1982*	73.5	23.1	68	20.0	1972
16	77.9	25.5	82.6	28.1	89	31.7	1979	73.2	22.9	70	21.1	1972*
17	77.8	25.4	82.5	28.1	87	30.6	1980	73.2	22.9	70	21.1	1973*
18	78.0	25.6	82.5	28.1	87	30.6	1980	73.5	23.1	69	20.6	1971*
19	78.0	25.6	82.5	28.1	87	30.6	1981	73.6	23.1	71	21.7	1981*
20	78.2	25.7	82.9	28.3	87	30.6	1978*	73.5	23.1	69	20.6	1971
21	78.5	25.8	83.1	28.4	88	31.1	1981	74.0	23.3	69	20.6	1953
22	78.4	25.8	82.8	28.2	87	30.6	1983*	73.9	23.3	71	21.7	1976*
23	78.4	25.8	82.9	28.3	88	31.1	1983*	73.9	23.3	70	21.1	1973
24	78.4	25.8	82.9	28.3	89	31.7	1982	73.8	23.2	68	20.0	1953
25	78.6	25.9	83.0	28.3	87	30.6	1981*	74.3	23.5	70	21.1	1953
26	78.5	25.8	82.9	28.3	88	31.1	1983	74.2	23.4	70	21.1	1971*
27	78.6	25.9	83.2	28.4	89	31.7	1981	74.0	23.3	69	20.6	1948
28	78.7	25.9	83.0	28.3	87	30.6	1980*	74.4	23.6	69	20.6	1954
29	78.6	25.9	83.1	28.4	86	30.0	1981*	74.1	23.4	69	20.6	1954*
30	78.9	26.1	83.5	28.6	89	31.7	1982	74.3	23.5	70	21.1	1954
31	79.1	26.1	83.5	28.6	88	31.1	1981	74.4	23.6	70	21.1	1972*
Monthly	78.1	25.6	82.7	28.2	89	31.7	1983*	73.6	23.1	67	19.4	1971*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12519	KANEOHE BAY, HI	1945-1949 1952-1955 9999-9999	AUGUST
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP.					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	78.7	25.9	83.1	28.4	87	30.6	1983*	74.3	23.5	70	21.1	1953
2	78.2	25.7	83.1	28.4	88	31.1	1981*	73.4	23.0	68	20.0	1973*
3	78.7	25.9	83.4	28.6	88	31.1	1969	73.9	23.3	69	20.6	1971
4	78.5	25.8	83.1	28.4	87	30.6	1983*	73.8	23.2	68	20.0	1971
5	78.3	25.7	83.0	28.3	86	30.0	1979*	73.6	23.1	69	20.6	1974*
6	78.4	25.8	82.8	28.2	87	30.6	1982	74.0	23.3	69	20.6	1986
7	78.9	26.1	83.4	28.6	87	30.6	1979	74.4	23.6	70	21.1	1973*
8	79.8	26.0	83.4	28.6	88	31.1	1981*	74.2	23.4	71	21.7	1973
9	78.9	26.1	83.6	28.7	89	31.7	1979	74.1	23.4	69	20.6	1972
10	79.2	26.3	83.7	28.7	88	31.1	1981	74.9	23.8	71	21.7	1971*
11	79.3	26.3	83.5	28.6	88	31.1	1980*	75.0	23.9	72	22.2	1973*
12	79.2	26.1	83.4	28.6	88	31.1	1983*	74.6	23.7	71	21.7	1974*
13	79.1	26.2	83.5	28.6	87	30.6	1980*	74.7	23.7	69	20.6	1971
14	79.1	26.2	83.3	28.5	87	30.6	1981	74.9	23.8	69	20.6	1955
15	79.3	26.3	83.5	28.6	88	31.1	1981	75.2	24.0	70	21.1	1954
16	79.2	26.2	84.0	28.9	88	31.1	1981*	74.5	23.6	70	21.1	1955
17	79.5	26.4	83.9	28.8	89	31.7	1974	75.1	23.9	70	21.1	1975*
18	79.3	26.3	83.7	28.7	89	31.7	1980	74.9	23.8	70	21.1	1954
19	79.5	26.4	83.9	28.8	88	31.1	1974	75.1	23.9	71	21.7	1955
20	79.1	26.2	83.6	28.7	88	31.1	1982*	74.5	23.6	70	21.1	1971
21	79.3	26.3	83.8	28.8	87	30.6	1982*	74.9	23.8	69	20.6	1953
22	79.5	26.4	83.8	28.8	88	31.1	1983	75.2	24.0	72	22.2	1974*
23	79.4	26.3	83.9	28.8	88	31.1	1983*	74.8	23.8	70	21.1	1954
24	79.2	26.1	83.5	28.6	87	30.6	1982*	74.6	23.7	70	21.1	1954*
25	79.7	26.3	83.7	28.7	90	32.2	1982	74.9	23.8	70	21.1	1953
26	79.2	26.2	83.7	28.7	89	31.7	1979	74.7	23.7	70	21.1	1974
27	79.3	26.3	83.8	28.8	89	31.7	1980	74.7	23.7	70	21.1	1974
28	79.1	26.2	83.4	28.6	89	31.7	1980	74.7	23.7	68	20.0	1954
29	79.3	26.3	83.8	28.8	89	31.7	1982	74.8	23.8	71	21.7	1975*
30	79.3	26.3	83.9	28.8	88	31.1	1979	74.7	23.7	71	21.7	1955*
31	79.6	26.4	84.1	28.9	89	31.7	1981*	75.1	23.9	71	21.7	1975*
Monthly	79.1	26.2	83.6	28.7	90	32.2	1982	74.6	23.7	68	20.0	1973*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519	KANEOHE BAY, HI	1945-1949 1952-1955 9999-9999	SEPTEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	79.7	26.5	84.3	29.1	90	32.2	1972	75.0	23.9	70	21.1	1946
2	79.5	26.4	83.9	28.8	89	31.7	1982	75.1	23.9	70	21.1	1955
3	79.2	26.2	83.7	28.7	89	31.7	1981	74.6	23.7	70	21.1	1972*
4	79.1	26.2	83.6	28.7	91	32.8	1974	74.5	23.6	70	21.1	1955*
5	79.1	26.2	83.7	28.7	89	31.7	1980	74.4	23.6	70	21.1	1955*
6	79.2	26.2	83.8	28.8	89	31.7	1980	74.7	23.7	70	21.1	1955
7	79.5	26.4	84.1	28.9	89	31.7	1979	75.0	23.9	71	21.7	1971*
8	79.0	26.1	83.5	28.6	89	31.7	1980	74.5	23.6	68	20.0	1972
9	79.3	26.3	83.8	28.8	90	32.2	1979	74.9	23.8	69	20.6	1972
10	79.6	26.4	84.0	28.9	88	31.1	1980*	75.3	24.1	73	22.8	1975*
11	79.7	26.5	84.0	28.9	90	32.2	1979	75.3	24.1	70	21.1	1972
12	79.6	26.4	84.0	28.9	88	31.1	1981*	75.2	24.0	71	21.7	1973*
13	79.6	26.4	83.9	28.9	88	31.1	1982*	75.3	24.1	69	20.6	1972
14	79.7	26.5	84.1	28.9	88	31.1	1982*	75.3	24.1	72	22.2	1975*
15	79.5	26.4	83.8	28.8	88	31.1	1979	75.3	24.1	72	22.2	1975*
16	79.5	26.4	84.1	28.9	90	32.2	1974	75.0	23.9	71	21.7	1970
17	79.1	26.2	83.6	28.7	89	31.7	1979	74.6	23.7	68	20.0	1954
18	79.6	26.4	84.0	28.9	89	31.7	1979	75.1	23.9	70	21.1	1954
19	79.6	26.4	84.1	28.9	89	31.7	1979	75.2	24.0	72	22.2	1974*
20	79.9	26.6	84.5	29.2	90	32.2	1981*	75.3	24.1	72	22.2	1975*
21	79.6	26.4	84.0	28.9	89	31.7	1981	75.1	23.9	71	21.7	1952
22	79.6	26.4	84.3	29.1	88	31.1	1982*	74.9	23.8	71	21.7	1974
23	79.3	26.3	84.0	28.9	88	31.1	1981*	74.7	23.7	71	21.7	1974*
24	79.3	26.3	84.1	28.9	90	32.2	1981	74.5	23.6	68	20.0	1948
25	79.4	26.3	83.9	28.8	89	31.7	1982	74.9	23.8	72	22.2	1961*
26	79.6	26.4	83.9	28.8	89	31.7	1982*	75.3	24.1	72	22.2	1974*
27	79.4	26.3	84.1	28.9	89	31.7	1979	74.8	23.8	70	21.1	1954
28	79.3	26.3	83.8	28.8	89	31.7	1979	74.8	23.8	72	22.2	1977*
29	79.5	26.4	84.2	29.0	88	31.1	1981*	74.8	23.8	70	21.1	1946
30	79.7	26.5	84.4	29.1	90	32.2	1970	75.0	23.9	68	20.0	1953
31												
Monthly	79.5	26.4	84.0	28.9	91	32.9	1974	74.9	23.8	66	20.0	1972*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2519	KANEOHE BAY, HI	1945-1949 1952-1955 9999-9999	OCTOBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	79.1	26.2	83.8	28.8	88	31.1	1983*	74.4	23.6	67	19.4	1952
2	79.4	26.3	83.8	28.8	88	31.1	1980*	75.0	23.9	72	22.2	1974*
3	79.2	26.4	84.4	29.1	91	32.8	1968	74.7	23.7	71	21.7	1952
4	79.5	26.4	84.3	29.1	89	31.7	1979	74.7	23.7	70	21.1	1973
5	79.1	26.2	83.8	28.8	89	31.7	1979	74.4	23.6	71	21.7	1952
6	79.1	26.1	83.9	28.8	9[illegible]	32.2	1979	74.2	23.4	71	21.7	1976*
7	79.2	26.1	83.6	28.7	9[illegible]	32.2	1979	74.5	23.6	70	21.1	1973
8	79.2	26.2	83.8	28.8	89	31.7	1979	74.6	23.7	70	21.1	1973
9	79.4	26.3	84.3	29.1	91	32.8	1979	74.5	23.6	70	21.1	1971
10	79.3	26.3	84.0	28.9	89	31.7	1979*	74.7	23.7	70	21.1	1971
11	78.4	25.9	83.3	28.5	89	31.7	1968	73.9	23.3	67	19.4	1946
12	78.7	25.9	83.6	28.7	90	32.2	1968	73.7	23.2	70	21.1	1976*
13	78.5	25.8	83.4	28.6	89	31.7	1972	73.5	23.1	69	20.6	1973
14	78.7	25.9	83.3	28.5	90	32.2	1972	74.0	23.3	70	21.1	1973*
15	78.7	25.9	83.4	28.6	88	31.1	1980	73.9	23.3	70	21.1	1946
16	78.2	25.7	82.7	28.2	89	31.7	1979	73.7	23.2	70	21.1	1970*
17	78.9	26.1	83.4	28.6	88	31.1	1974*	74.3	23.5	68	20.0	1971
18	78.5	25.8	83.3	28.5	89	31.1	1979	73.7	23.2	69	20.6	1964
19	78.7	25.9	83.1	28.4	88	31.1	1979*	74.3	23.5	68	20.0	1964*
20	78.2	25.7	82.5	28.1	87	30.6	1974	74.2	23.4	71	21.7	1970
21	78.3	25.7	82.7	28.2	88	31.1	1980	73.9	23.3	68	20.0	1975
22	78.2	25.7	82.8	28.2	86	30.0	1981*	73.7	23.2	67	19.4	1975
23	78.1	25.6	82.6	28.1	87	30.6	1968	73.6	23.1	69	20.6	1975*
24	78.2	25.7	82.6	28.1	87	30.6	1981	73.8	23.2	69	20.6	1971
25	77.8	25.4	82.4	28.0	87	30.6	1982*	73.2	22.9	69	20.6	1952*
26	77.9	25.5	82.5	28.1	90	32.2	1969	73.3	22.9	70	21.1	1971*
27	77.6	25.3	82.3	27.9	87	30.6	1979*	73.0	22.8	68	20.0	1952
28	77.8	25.4	82.7	28.2	89	31.7	1979	72.9	22.7	66	18.9	1972
29	77.7	25.4	82.6	28.1	87	30.6	1981*	72.9	22.7	65	18.3	1972
30	77.5	25.3	82.4	28.0	89	31.7	1969	72.6	22.6	68	20.0	1978
31	77.1	25.1	81.7	27.6	90	32.2	1969	72.5	22.5	69	20.6	1948
Monthly	78.5	25.8	83.2	28.4	91	32.8	1979*	73.9	23.3	65	18.3	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2519	KANEOHE BAY, HI	1945-1949 1952-1955 9999-9999	NOVEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.4	25.2	82.3	27.9	90	32.2	1973	72.6	22.6	69	20.6	1946
2	77.4	25.2	81.9	27.7	89	31.1	1969	72.9	22.7	69	20.6	1976
3	77.3	25.1	82.0	27.8	88	31.1	1979	72.5	22.5	68	20.0	1961
4	77.0	25.0	81.5	27.5	88	31.1	1979	72.5	22.5	67	19.4	1971*
5	77.5	25.3	82.3	27.9	87	30.6	1979	72.7	22.6	68	20.0	1970
6	77.1	25.1	81.6	27.6	88	31.1	1979	72.6	22.6	68	20.0	1947
7	76.9	24.9	81.6	27.6	87	30.6	1980*	72.3	22.4	68	20.0	1971*
8	76.8	24.9	81.4	27.4	86	30.0	1978	72.2	22.3	67	19.4	1946
9	77.0	25.0	81.5	27.5	87	30.6	1980	72.5	22.5	67	19.4	1972
10	76.7	24.7	81.0	27.2	86	30.0	1980	72.0	22.2	65	18.3	1949
11	76.8	24.9	81.1	27.3	87	31.7	1969	72.5	22.5	67	19.4	1973
12	76.9	24.9	81.1	27.3	88	31.1	1980	72.8	22.7	68	20.0	1952
13	76.7	24.8	80.8	27.1	86	30.0	1981	72.7	22.6	68	20.0	1974*
14	76.1	24.5	80.7	27.1	86	30.0	1980	71.6	22.0	67	19.4	1971
15	76.3	24.4	80.5	26.9	84	28.9	1977*	71.5	21.9	63	17.2	1946
16	76.6	24.8	81.1	27.3	85	29.4	1981*	72.2	22.3	66	18.9	1974*
17	76.8	24.9	81.3	27.4	89	31.7	1977	72.4	22.4	67	19.4	1974*
18	76.8	24.9	81.6	27.6	86	30.0	1983*	72.1	22.3	67	19.4	1974*
19	76.9	24.9	81.5	27.5	88	31.1	1977	72.3	22.4	67	19.4	1952
20	76.5	24.7	80.9	27.2	86	30.0	1981*	72.1	22.3	62	16.7	1952
21	76.7	24.8	81.0	27.2	87	30.6	1981	72.3	22.4	66	18.9	1973
22	76.4	24.7	80.8	27.1	86	30.0	1983*	72.1	22.3	66	18.9	1973
23	76.2	24.4	80.6	27.0	86	30.0	1980	71.4	21.9	64	17.8	1970
24	75.9	24.4	80.0	26.7	87	30.6	1979	71.9	22.2	64	17.8	1970
25	75.9	24.4	80.4	26.9	85	29.4	1980*	71.4	21.9	67	19.4	1972
26	75.6	24.2	79.8	26.6	87	30.6	1977	71.4	21.9	65	18.3	1972
27	75.8	24.3	80.6	27.0	86	30.0	1983*	71.1	21.7	66	18.9	1972*
28	75.4	24.1	80.0	26.7	85	29.4	1983*	70.9	21.6	66	18.9	1972
29	75.5	24.2	79.9	26.6	89	31.7	1977	71.1	21.7	65	18.3	1972
30	76.0	24.4	80.9	27.2	88	31.1	1980*	71.1	21.7	65	18.3	1972
31												
Monthly	76.5	24.7	81.0	27.2	90	32.2	1973	72.1	22.2	62	16.7	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

91219	PEARL HARBOR, HI	1945-1949 1952-1955 9999-9999	DECEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	76.7	24.6	81.1	27.3	90	32.2	1977	71.5	21.9	64	17.8	1972
2	75.8	24.3	80.7	27.1	90	32.2	1980	71.0	21.7	66	18.9	1970
3	75.5	24.2	79.7	26.5	86	30.0	1980	71.3	21.8	66	18.9	1972
4	75.2	24.0	79.4	26.3	86	30.0	1983*	70.9	21.6	66	18.9	1962
5	75.1	23.9	80.0	26.7	85	29.4	1982	70.2	21.2	67	19.4	1979*
6	74.4	23.6	78.3	25.7	83	28.3	1977*	70.5	21.4	66	18.9	1954
7	74.8	23.8	79.4	26.3	85	29.4	1979*	70.2	21.2	64	17.8	1982
8	74.8	23.8	79.5	26.4	87	30.6	1977	70.2	21.2	64	17.8	1973*
9	74.5	23.7	79.0	26.1	85	29.4	1977	70.3	21.3	64	17.8	1973
10	74.2	23.4	78.6	25.9	84	28.9	1983*	69.9	21.1	63	17.2	1973
11	74.3	23.6	79.6	26.4	85	29.4	1977	70.2	21.2	64	17.8	1952
12	74.4	23.6	78.6	25.9	87	30.6	1979	70.2	21.2	64	17.8	1972*
13	74.7	23.5	78.3	25.7	83	28.3	1981*	70.4	21.3	64	17.8	1972*
14	74.2	23.4	78.2	25.7	84	28.9	1970	70.2	21.2	63	17.2	1947
15	74.3	23.5	78.4	25.8	86	30.0	1979	70.3	21.3	62	16.7	1947
16	74.6	23.7	79.5	26.4	87	30.6	1975	69.8	21.0	66	18.9	1969*
17	73.6	23.1	77.7	25.4	82	27.8	1981*	69.4	20.8	65	18.3	1971*
18	73.7	23.2	78.8	26.0	84	28.9	1981*	68.6	20.3	65	18.3	1973*
19	73.6	23.1	78.2	25.7	84	28.9	1980*	68.9	20.5	64	17.8	1972
20	73.7	23.2	78.2	25.7	86	30.0	1979	69.3	20.7	64	17.8	1946
21	73.6	23.1	78.2	25.7	86	30.0	1979	69.0	20.6	65	18.3	1962*
22	73.9	23.3	78.5	25.8	85	29.4	1979	69.4	20.6	64	17.8	1975
23	74.1	23.4	78.7	25.9	84	28.9	1983*	69.5	20.8	65	18.3	1962*
24	73.9	23.3	78.2	25.7	82	27.8	1983*	69.7	20.9	64	17.8	1948
25	73.6	23.1	78.3	25.7	85	29.4	1980*	68.8	20.4	64	17.8	1948
26	74.0	23.3	78.8	26.0	85	29.4	1975	69.2	20.7	60	15.6	1946
27	73.7	23.2	78.3	25.7	84	28.9	1982	69.1	20.6	63	17.2	1969
28	73.8	23.2	78.3	25.7	85	29.4	1977	69.4	20.8	63	17.2	1953
29	73.6	23.1	78.8	26.0	90	32.2	1983	68.5	20.3	62	16.7	1973
30	73.7	23.2	78.5	25.8	86	30.0	1980	68.9	20.5	64	17.8	1946
31	73.7	23.2	78.5	25.8	84	28.9	1983*	68.9	20.5	62	16.7	1952
Monthly	74.3	23.5	78.8	26.0	90	32.2	1983*	69.8	21.0	60	15.6	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

22516	KANEOHE BAY, HI	45-47, 52-55, 57-65, 68-82
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47				83	85	83		84	84	84	85	83	
48		82	79	78		82	84	85	85	86	82	81	
49	78	81	83	82	80	83	85	84	87	84	83	80	87
50		81	79	82	81	84	83	85	86	84	82	78	
51	82		78										
52							82	83	82	84	83	81	
53	82	81	82	81	82	82	82	85	84	83	81	81	85
54	80	81	80	82	81	83	83	84	88	87	86	82	88
55	82	82	82	83	82	86	83	83					
56										88	86	83	
57	82	84	83	83	80	83	84	84	85				
58						85	86	86	85	87	85	82	
59	82	82	84	81	84	86	86	86	87	88	84	85	88
60	83	84	82	82	83	85	84	85	86	86	82	81	86
61	83	84	82	84	84	84	83	85	85	86	83	82	86
62	81	83	83	83	82	83	84	86	86	85	84	84	86
63	81	82	80	82	81	83	84	85	86	84	84	82	85
64													
65						84	85	85	86	91	89	84	
66	81	83	82	80	87	90	87	88	86	90	89	85	91
67	84	85	81	81	83	83	85	85	90	87	86	84	90
68	82	83	86	81	83	83	84	85	87	85	84	84	87
69	81	84	87	83	84	86	83	89	90	90	84	83	90
70	85	81	81	83	83	84	85	87	88	87	90	84	90
71	87	88	86	84	85	87	88	89	91	88	85	84	91
72	86	81	83	87	84	84	83	85	89	85	84	87	89
73	83	81	80	81	81	83	82	84		87	83	81	
74	84	85	82	81	81	83	84	87	88	90	89	90	90
75	84		84	85	86		87	87	89	88	87	84	
76	85	82	85	87	87	88	89	89	90	91	88	87	91
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

22519 (STATION) | KANEOHE BAY, HI (STATION NAME) | 45-49, 52-55, 57-65, 68-82 (YEARS)

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	87	86	84	85	88	87	88	89	90	88	88	90	9[illegible]
81	87	86	87	87	86	88	89	89	90	89	87	84	9[illegible]
82	85	84	85	85	84	86	89	90	89	88	86	85	9[illegible]
MEAN	83.1	83.[illegible]	82.6	82.6	83.3	84.6	84.9	85.9	87.1	86.9	85.1	83.5	88.5
S.D.	2.308	2.010	2.434	2.306	2.244	2.044	2.183	1.999	2.283	2.273	2.445	2.681	1.960
TOTAL OBS.	775	7[illegible]6	837	810	806	840	899	930	840	899	870	899	10111

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	HAVRE, MT	45-84, 52-55, 57-65, 68-82

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4[illegible]							94 30						MAX TEMP DAYS
4[illegible]	84 30				91 30								MAX TEMP DAYS
4[illegible]	80 30												MAX TEMP DAYS
[illegible]		78 27		77 29									MAX TEMP DAYS
5									92 1				MAX TEMP DAYS
59					93 30								MAX TEMP DAYS
[illegible]5	83 28												MAX TEMP DAYS
6[illegible]					95 19								MAX TEMP DAYS
[illegible]6									86 29				MAX TEMP DAYS
78		86 27				97 30							MAX TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | KANEOHE BAY, HI STATION NAME | 43-47, 52-55, 57-65, 68-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43				64	68	71		70	71	69	68	64	
44		65	66	65		67	69	69	70	67	63	60	
47	60	61	63	62	67	69	69	70	70	69	67	62	65
48		60	63	61	67	68	69	7[illegible]	68	69	65	64	
49	60		64				69	70	70	67	62	62	
50	65	62	64	66	67	70	67	69		69	68	63	
51	63	62	60	66	66	69	69	69	68	69	68	64	6[illegible]
52	60	62	60	66	68	67	69	69		71	70	64	
53	64	63	63	62	67	71	70	71	73				
54						72	73	73	74	70	7[illegible]	68	
55	65	64	65	68	68	73	73	72	73	72	7[illegible]	67	64
56	61	66	68	66	69	71	72	72	72	70	67	67	6[illegible]
57	67	61	64	68	68	71	70	72	71	70	71	65	6[illegible]
58	64	66	65	66	66	71	71	74	73	71	69	68	6[illegible]
59	68	67	66	68	69	71	71	71	73	68	69	66	66
60						71	74	73	71	73	7[illegible]	68	
61	63	65	65	66	68	69	73	72	72	72	68	63	63
62	62	63	67	66	69	70	72	73	71	69	64	62	6[illegible]
63	60	63	62	64	67	67	67	68	69	68	67	63	6[illegible]
64	60	60	65	68	69	67	68	69	68	65	65	64	6[illegible]
65	60	62	64	63	65	67	69	68	70	69	67	63	6[illegible]
66	67	67	65	67	67	7[illegible]	70	69	71	71	66	69	6[illegible]
67	65	64	64	67	69	68	68	7[illegible]	70	67	67	64	6[illegible]
68	66	60	61	66	69	7[illegible]	71	72		7[illegible]	67	65	
69	65	67	67	67	68	7[illegible]	72	72	72	72	71	66	6[illegible]
70	65		65	69	70		72	74	72	68	7[illegible]	67	
71	63	63	65	64	68	71	71	74	73	74	69	65	6[illegible]
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	RALEIGH BAY, NT	45-48, 52-55, 57-65, 68-82

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	64	63	68	69	71	73	71	72	73	73	74	66	[illegible]
1	67	63	67	66	48	73	71	72	74	68	69	65	[illegible]
2	66	66	64	67	69	67	68	72	73	69	69	64	64
MEAN	63.6	63.4	64.4	65.8	67.9	69.8	70.3	71.0	71.3	69.6	67.9	64.8	62.5
S.D.	2.014	2.234	2.116	2.113	1.298	1.950	1.888	1.857	1.793	2.096	2.563	2.166	1.982
TOTAL OBS.	775	736	837	810	806	840	899	930	810	869	870	899	10031

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

2719 — STATION
KALKASKA, MI — STATION NAME
45-47, 52-55, 57-65, 68-82 — YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45							72 72						MIN TEMP DAYS
46	63 30				42 30								MIN TEMP DAYS
47	60 30												MIN TEMP DAYS
52		64 29		64 30									MIN TEMP DAYS
53									66 29				MIN TEMP DAYS
55									72 6				MIN TEMP DAYS
57					69 30								MIN TEMP DAYS
58	65 28												MIN TEMP DAYS
63					50 16								MIN TEMP DAYS
76									72 30				MIN TEMP DAYS
78		67 28				7 2							MIN TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
3[illegible]						.	.	.										[illegible]	3		
[illegible]					.[illegible]	.2	.[illegible]	.2										2[illegible]	[illegible]5		
[illegible]				.1	.[illegible]	1.[illegible]	.[illegible]	.1										[illegible]	64		
7		.	.2	.	.	3.1	.6	.[illegible]										1 4	1[illegible]4		
77		.	.[illegible]	3.1	5.[illegible]	[illegible]	1.[illegible]	.1										33[illegible]	[illegible]35		
7[illegible]		.4	.	.[illegible]	.2	1.[illegible]	.[illegible]	.[illegible]	.									4 7	[illegible]7		
[illegible]		1.[illegible]	.[illegible]	.6	.[illegible]	.[illegible]	.6	.										5[illegible]	[illegible]69	1	1
[illegible]	.	[illegible]	.	3.[illegible]	[illegible].4	1.[illegible]	.4											4[illegible]	426	4 7	[illegible]
[illegible]	.[illegible]	7.4	7.4	1.[illegible]	.[illegible]	.	.											7[illegible]	[illegible]	[illegible]6	[illegible]9
6[illegible]	.1	1.2	1.1	.[illegible]	.2	.	.											[illegible]	[illegible]	62[illegible]	536
[illegible]		.1	.2	.														1[illegible]	17	3[illegible]5	[illegible]55
[illegible]		.[illegible]	.[illegible]															.	4	17	36[illegible]
[illegible]		.																1	1	[illegible]	[illegible]4[illegible]
[illegible]																					1
[illegible]																					
3[illegible]																					5
5[illegible]																					
[illegible]																					1
1																					
47																					
	.[illegible]	.[illegible]	2[illegible].0	2[illegible].[illegible]	1.[illegible]	4.4	5.6	.[illegible]	.									2473	2473	247[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible] 1[illegible]	191[illegible]	7[illegible].[illegible]	11.24	[illegible]47[illegible]							
Dry Bulb	[illegible]36[illegible]	13[illegible]9[illegible]	[illegible].[illegible]	3.495	[illegible]47			73.[illegible]	5 6.[illegible]	55.[illegible]		[illegible]4.
Wet Bulb	[illegible]7	16 [illegible]	[illegible].[illegible]	[illegible].7[illegible]	[illegible]47			[illegible].6	72.			4.
Dew Point	[illegible]4 7[illegible]	16 [illegible] 3	64.3	4.[illegible]94	247[illegible]			[illegible].0	13.[illegible]			4[illegible].

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
	[illegible]		

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						[illegible]	[illegible]	[illegible]										1[illegible]	[illegible]		
[illegible]			[illegible]	.1	.2	[illegible]	1.1	[illegible]	[illegible]	[illegible]								14[illegible]	145		
7		.1	[illegible]	6.5	[illegible]	[illegible]	1.1	[illegible]										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]	[illegible]	[illegible]										[illegible]34 44[illegible]	[illegible]34 443	67 27[illegible]	[illegible]
[illegible]	[illegible]	1.1	[illegible]	1.1	[illegible]	[illegible]	[illegible]											11	11[illegible]	57	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	.1	[illegible]	[illegible]												1	11	1[illegible]	467 433
[illegible]		[illegible]																			2 1
[illegible]																					1
[illegible]																					
[illegible]																					
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]25	[illegible]25	[illegible]25	25[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	16[illegible]39[illegible]	[illegible].3	11.2[illegible]	225[illegible]							
Dry Bulb	[illegible]473[illegible]	16[illegible]201	73.7	3.683	225[illegible]			[illegible].3	422.1	[illegible].2		672.[illegible]
Wet Bulb	[illegible]24[illegible]	152644	67.7	3.[illegible]87	225[illegible]			4[illegible]6.[illegible]	[illegible]2.[illegible]			672.[illegible]
Dew Point	[illegible]6072[illegible]	1[illegible]15	[illegible].3	4.169	2256			223.4	8.9			672.0

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PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH MAR

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
								•										1	1			
					•	•		•		•								6	6			
						•	•	•											9			
					•													73	73			
			•	•	•		1•1	•										194	194			
		•	•	•	•		1•1	•										279	279			
		•	2•2	7•5	5•8	3•1	•	•										456	456	1		
	•	1•1	5•	•	•		•	•										588	588	8		
	•	2•	4•7	5•0	3•4	1•8	•											475	475	276	55	
	•	2•	4•3	1•8	1•8	•	•											280	280	750	234	
	•	•	1•1	•		•												132	132	694	49•	
	•	•	•	•														21	21	425	65•	
		•	•															5	5	17	8•	
					•													1	1	5•	26•	
																					17•	
																					3	
																					1	
	•	2	2	12	7	2•1	4•4	1•1		•								2460	2	24		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	14	18	74•4	11•24	240							
Dry Bulb	2	1	3•6	3•1	24			15•9	4	2•6		44•
Wet Bulb	6	16 574	69•0	2• 3	24			45•	23•			74•
Dew Point	25	16 607	64•8	3• 80	24			241•	12•5			749•

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible], HI	[illegible]	[illegible]

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							.	.1	.[illegible]									4	4		
[illegible]					.	.2	.[illegible]	.1	.									[illegible]	25		
[illegible]					.	1.[illegible]	1.[illegible]	.5										[illegible]	[illegible]		
7[illegible]			.	1.[illegible]	[illegible]	3.[illegible]	1.4	.1										22[illegible]	[illegible]27		
[illegible]		.	1.[illegible]	2.2	[illegible].1	[illegible]	.5	.1										33[illegible]	[illegible]		
7[illegible]	.	.	[illegible]	[illegible].7	7.[illegible]	[illegible]	.[illegible]											[illegible]45	[illegible]45	1	
[illegible]	.[illegible]	[illegible]	.[illegible]	[illegible]	[illegible]	[illegible].1	.[illegible]											[illegible]3	[illegible]	[illegible]	
[illegible]	.1	[illegible]	[illegible]	[illegible]	[illegible].1	[illegible]	[illegible]											[illegible]3	373	4[illegible]	14[illegible]
	.[illegible]	[illegible]	.[illegible]	1.	.[illegible]	.	.											13[illegible]	13[illegible]	7[illegible]8	3[illegible]
[illegible]	.	.[illegible]	.[illegible]	[illegible]		.	.1	.										3[illegible]	36	667	[illegible]
[illegible]	.	.	.[illegible]	.[illegible]	.	.												1	1[illegible]	2[illegible]	[illegible]
[illegible]	.	.																[illegible]	4	[illegible]	44[illegible]
																				1[illegible]	[illegible]
[illegible]																					1[illegible]
[illegible]																					[illegible]
																					1
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]	.	.	[illegible]	.	[illegible]	[illegible]1.	5.1	.	.1									[illegible]	[illegible]		[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			71[illegible].2	55[illegible]	6[illegible]		720.[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	2.[illegible]	[illegible]			[illegible]11.1	4[illegible]			720.[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	3.472	[illegible]			[illegible]	17.4			720.[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]					.	.[illegible]	.2	.	.[illegible]									1[illegible]	13		
[illegible]				.[illegible]	.[illegible]	1.[illegible]	1.1	.2										7[illegible]	7[illegible]		
[illegible]				.[illegible]	[illegible]	3.[illegible]	1.1											173	173		
[illegible]			.	1.[illegible]	[illegible]	3.2	.[illegible]	.										2[illegible]	[illegible]75		
[illegible]77		.	1.[illegible]	6.7	[illegible]	[illegible]	.2	.[illegible]										517	[illegible]17	[illegible]	
7[illegible]		.4	[illegible]	1[illegible].7	5.7	.[illegible]	.2											5[illegible]3	560	4[illegible]	
[illegible]		.[illegible]	[illegible]	3.7	2.7	.2	.											4[illegible]7	437	[illegible]2	[illegible]
[illegible]	.[illegible]	1.[illegible]	[illegible].1	3.6	[illegible]	.1												2[illegible]2	272	64[illegible]	[illegible]
[illegible]	.1	1.[illegible]	1.7	.[illegible]	.[illegible]													[illegible]1	[illegible]1	[illegible]44	4[illegible]
6[illegible]	.	.[illegible]	.2															1[illegible]	13	42[illegible]	747
[illegible]	.[illegible]																	1	1	1[illegible]2	54[illegible]
[illegible]																				[illegible]	[illegible]
	.	[illegible].6	[illegible].4	31.[illegible]	27.4	11.[illegible]	3.[illegible]	.	.[illegible]									29[illegible]0	[illegible]	24[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]74	1[illegible]2	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]21	[illegible]356	[illegible]	[illegible]	[illegible]			43.[illegible]	6[illegible]	112.[illegible]		[illegible]
Wet Bulb	1[illegible]5	17[illegible]	[illegible]	[illegible]	[illegible]			.	111.			4.
Dew Point	11[illegible]3202	[illegible]7[illegible]	-6.[illegible]	[illegible]	[illegible]48			4[illegible].1	32.			[illegible]4.[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH

HOURS (L.S.T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							.	.1										[illegible]	[illegible]		
[illegible]					.1	.	1.2	.1										[illegible]	7		
[illegible]				.	.	[illegible]	2.7	.2										15[illegible]	156		
[illegible]			.2	1.5	3.	3.7	1.	.2										24[illegible]	246		
[illegible]		.	.	4.2	[illegible]	2.4	.8											37	78		
[illegible]		.4	3.	[illegible]	11.2	2.2	.2											[illegible]	[illegible]1	1[illegible]	[illegible]
7	.	1.	[illegible]	7.5	[illegible]	.												42[illegible]	429	17	[illegible]
[illegible]	.1	1.	[illegible].1	6.4	1.7													376	376	557	11[illegible]
[illegible]		1.5	.1	1.	.2													1[illegible]1	131	[illegible]4	
[illegible]	.1	.4	.4	.														2	22	[illegible]	[illegible]
6[illegible]			.																1	2[illegible]	67[illegible]
.																					
	.	.	.	[illegible]	2[illegible]	17.	4.	1.											2[illegible]9		[illegible]
																		2[illegible]		[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	17[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible] 57	18[illegible]715	[illegible]7.4	[illegible]23	[illegible]			7[illegible].0	673.8	154.3		[illegible]
Wet Bulb	[illegible]372	17[illegible]	71.[illegible]	[illegible]	[illegible]			[illegible].9	21[illegible]			[illegible]
Dew Point	[illegible]123307	167135	[illegible]	2.[illegible]	[illegible]			[illegible].1	77.7			720.[illegible]

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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	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)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						.		.										[illegible]	[illegible]		
[illegible]					[illegible]	.	[illegible]	[illegible]	.1									[illegible]	[illegible]		
[illegible]			.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]		
[illegible]		.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.										[illegible]	[illegible]		
[illegible]		.	[illegible]	[illegible]	[illegible]	[illegible]		.										[illegible]	[illegible]	1	
[illegible]		[illegible]	5.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	479	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	[illegible]	[illegible]	[illegible]		.	.											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	[illegible]																[illegible]	5	[illegible]	[illegible]
[illegible]		.																1	1	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					
[illegible]																					
[illegible]																					[illegible]
[illegible]																					
[illegible]																					
[illegible]																					
	.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1										[illegible]		[illegible]
																		[illegible]		[illegible]	

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

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							.1	.[illegible]										3	3		
[illegible]					.1	.1	.7	.1	.[illegible]									26	26		
[illegible]				.[illegible]	.[illegible]	1.5	.9	.1	.[illegible]									70	70		
[illegible]			.1	.[illegible]	1.[illegible]	3.[illegible]	1.5	.2										2[illegible]2	[illegible]2		
[illegible]		.[illegible]	.[illegible]	3.4	5.[illegible]	4.	1.4	.[illegible]										37[illegible]	[illegible]70		
7[illegible]	.[illegible]	.1	1.7	8.9	8.5	2.[illegible]	.5											539	539	11	1
77		.7	5.8	9.	3.4	1.[illegible]	.[illegible]											623	623	76	11
7[illegible]		2.[illegible]	5.[illegible]	5.4	2.7	1.												441	441	3[illegible]	[illegible]2
7[illegible]	.[illegible]	1.[illegible]	2.1	1.4	.2	.[illegible]												152	152	8[illegible]	[illegible]7[illegible]
7[illegible]	.2	.[illegible]	.2	.1	.[illegible]	.2												35	35	6[illegible]	5
[illegible]	.[illegible]	.2			.1	.												9	9	35	66[illegible]
67	.				.[illegible]													2	2	113	4[illegible]
[illegible]																				[illegible]	22
6[illegible]																				[illegible]	1[illegible]
[illegible]																				7	4[illegible]
[illegible]																				1	1
[illegible]																					
[illegible]																					
[illegible]																					1
	.[illegible]	.[illegible]	1[illegible].3	2[illegible].[illegible]	2[illegible].[illegible]	13.[illegible]	5.2	.[illegible]	.1										2[illegible]		24[illegible]
																		24[illegible]		24[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1[illegible]7274	16[illegible]	[illegible]3.7	9.[illegible]	[illegible]4[illegible]							
Dry Bulb	1[illegible]43 17	19[illegible]77	7[illegible].6	[illegible].[illegible]3	[illegible]4[illegible]			744.0	730.2	273.0		[illegible]44.[illegible]
Wet Bulb	[illegible]9043[illegible]	17[illegible]	[illegible].[illegible]	2.4[illegible]1	[illegible]4[illegible]			[illegible]1.7	32[illegible].[illegible]	.3		[illegible]4.
Dew Point	11[illegible]5[illegible]4[illegible]	171[illegible]	[illegible].3	3.[illegible]2	[illegible]4[illegible]			[illegible]2[illegible].1	1[illegible]6.[illegible]	.3		744.[illegible]

The "≤ 0 F" to "Total" columns are all under the printed heading "Mean No. of Hours with Temperature".

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PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																		1	1		
[illegible]							.											1	1		
[illegible]						.	.[illegible]	.1										[illegible]1	[illegible]1		
[illegible]			.	.1	.	.	1.1	.[illegible]	.									1[illegible]4	104		
[illegible]		.	.7	.	.[illegible]	[illegible].7	1.1	.1										172	172		
[illegible]		.1	.	3.[illegible]	[illegible].	[illegible]	.	.1	.									[illegible]01	[illegible]01	3	
[illegible]		.	[illegible].	1[illegible].4	[illegible]	1.1	.7	.1										[illegible]	[illegible]	11	
[illegible]	.	[illegible]	[illegible]	8.4	[illegible]	1.1	.3	.1										[illegible]	[illegible]	10[illegible]	[illegible]
[illegible]	.1	.	[illegible].	[illegible].2	1.2	.	.[illegible]	.1										41[illegible]	41[illegible]	536	[illegible]
[illegible]	.7	[illegible]	1.[illegible]	.[illegible]	.[illegible]	.1	.1											1[illegible]2	1[illegible]2	805	[illegible]
6[illegible]	.	.	.7	.[illegible]	.1													[illegible]	35	591	66[illegible]
6[illegible]	.																	[illegible]	2	222	55[illegible]
6[illegible]																		1	1	7[illegible]	[illegible]
[illegible]																					162
[illegible]																				11	[illegible]
[illegible]																				1	4[illegible]
5[illegible]																					[illegible]1
[illegible]																					[illegible]
[illegible]																					
[illegible]																					
	.	11.[illegible]	.[illegible]	2[illegible].7	2[illegible].[illegible]	10.	4.1	.	.1									23[illegible]8	[illegible]	2[illegible]	27[illegible]

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	2[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	2[illegible]			7[illegible].	659.[illegible]	13[illegible].[illegible]		[illegible]
Wet Bulb	[illegible]	17[illegible]	[illegible]	[illegible]	2[illegible]			[illegible]1.	1[illegible]5.			[illegible]
Dew Point	[illegible]1122[illegible]	1[illegible]	[illegible]	[illegible]	2[illegible]			[illegible]23.7	89.7	.[illegible]		[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: [illegible] | STATION NAME: [illegible], HI | YEARS: [illegible] | MONTH: D[illegible]

HOURS (L.S.T.): 4[illegible]

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							.											1	1		
[illegible]						.	.1	.1										7	7		
[illegible]			.	.	.4	.	.5	.2										43	43		
[illegible]			.	.7	1.[illegible]	1.	.7	.2										1[illegible]0	1[illegible]0		
7[illegible]		.1	.	1.6	3.6	3.	.5	.2										2[illegible]0	2[illegible]0		
[illegible]7	.	.2	1.	4.2	5.5	1.6	.7	.4										3[illegible]6	376		
7[illegible]		1.5	4.	7.4	6.3	1.9	1.1	.4										[illegible]30	[illegible]30	[illegible]	[illegible]
[illegible]		2.	5.5	7.4	3.2	1.	1.1	.3										[illegible]50	[illegible]50	250	[illegible]4
7[illegible]	.2	2.	4.	7.3	1.4	1.	1.	.1										3[illegible]2	352	553	15[illegible]
[illegible]	.2	1.5	1.	.6	.7	.4	.1	.1										1[illegible]2	132	666	4[illegible]
67	.	.	.2	.2	.2	.1												3[illegible]	34	46[illegible]	54[illegible]
[illegible]	.	.2	.2	.1		.												14	14	221	45[illegible]
[illegible]																				17[illegible]	3[illegible]
[illegible]																				[illegible]	17[illegible]
[illegible]																				3[illegible]	[illegible]7
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]	.[illegible]	.	19.1	27.7	22.4	13.1	5.[illegible]	1.9											246[illegible]		24[illegible]
																		24[illegible]		246[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	13[illegible]7[illegible]	73.[illegible]	11.[illegible]	24[illegible]							
Dry Bulb	1[illegible]3[illegible]7[illegible]	18[illegible]	75.1	[illegible].3[illegible]	246[illegible]			739.[illegible]	5[illegible]3.7	71.7		[illegible]44.[illegible]
Wet Bulb	[illegible]	17[illegible]2[illegible]2	68.9	[illegible]	[illegible]46			[illegible].1	89.[illegible]	.3		[illegible]44.[illegible]
Dew Point	[illegible]3[illegible]74	161[illegible]36	[illegible]5.[illegible]	[illegible]	[illegible]			344.[illegible]	41.6	.3		744.[illegible]

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PSYCHROMETRIC SUMMARY

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

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						.	.	.	.									[illegible]	[illegible]		
[illegible]				.	.	.[illegible]	.[illegible]	.[illegible]	.[illegible]									12[illegible]	1[illegible]		
[illegible]			.	.	.[illegible]	.	.[illegible]	.[illegible]	.[illegible]	.[illegible]								[illegible]76	[illegible]76		
[illegible]		.	.1	.[illegible]	1.[illegible]	[illegible]	1.	.[illegible]	.[illegible]									142	142[illegible]		
[illegible]		.	.[illegible]	1.[illegible]	[illegible].1	2.[illegible]	1.	.	.	.[illegible]								24[illegible]	[illegible]46[illegible]		
[illegible]	.	.	1.[illegible]	[illegible]	[illegible]	[illegible].7	.[illegible]	.[illegible]	.									421.[illegible]	4[illegible]7	[illegible]	[illegible]
[illegible]	.	.	[illegible].1	.[illegible]	6.[illegible]	1.[illegible]	.[illegible]	.[illegible]										[illegible]5 1	[illegible]1	4[illegible]	[illegible]
[illegible]	.	1.[illegible]	4.	[illegible]	4.[illegible]	1.[illegible]	.4	.[illegible]	.									[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	.[illegible]	1.	.	[illegible].	.1	1.	.7	.										4[illegible]	4723	[illegible]	1[illegible]
[illegible]	.[illegible]	1.	[illegible]	[illegible]	1.	.	.[illegible]	.										2[illegible]	276[illegible]	6[illegible]7	[illegible]
[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.	.[illegible]	.[illegible]	.[illegible]	.										11[illegible]	11[illegible]3	6[illegible]	[illegible]
6[illegible]	.[illegible]	.	.	.[illegible]	.1	.[illegible]	.	.										41	[illegible]1[illegible]	[illegible]1[illegible]	[illegible]
[illegible]	.	.[illegible]	.[illegible]	.[illegible]	.	.												11[illegible]	11[illegible]	1[illegible]	[illegible]
[illegible]	.	.1	.	.														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.			.													[illegible]	4	367	[illegible]
[illegible]																				[illegible]1	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																				[illegible]	[illegible]
47																					[illegible]
4																					[illegible]
[illegible]																					[illegible]
	.[illegible]	[illegible]	1[illegible]	28.[illegible]	24.[illegible]	1[illegible]	4.[illegible]	1.[illegible]	.1	.[illegible]								[illegible]193	1[illegible]3	1[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	[illegible]157[illegible]7	7[illegible]	1.[illegible]4	1[illegible]							
Dry Bulb	[illegible]2[illegible]67	223[illegible]67	75.5	[illegible]5	[illegible]19			[illegible].1	7404.0[illegible]	4[illegible]		[illegible]
Wet Bulb	[illegible]7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			768.9	[illegible].1	.4		[illegible]
Dew Point	1[illegible]7 [illegible]78	1[illegible]776	67.[illegible]	4.[illegible]	[illegible]9194			514.3	1[illegible]7.9	3.[illegible]		[illegible]

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22519 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	72.2	71.6	71.6	72.6	73.5	74.9	75.8	77.0	77.5	76.6	74.7	73.3	74.3
	S. D.	2.631	2.936	2.537	2.227	2.252	2.226	2.279	1.944	2.042	2.075	2.185	2.500	3.076
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	71.8	71.4	71.2	72.2	73.1	74.5	75.5	76.6	77.[illegible]	76.1	74.4	72.9	73.9
	S. D.	2.680	2.764	2.474	2.224	2.159	2.244	2.195	1.974	2.[illegible]08	2.139	2.220	2.572	3.053
	TOTAL OBS	310	282	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	72.4	72.1	72.7	74.5	76.[illegible]	77.4	78.0	79.0	79.[illegible]	78.1	75.7	73.7	75.8
	S. D.	2.818	2.944	2.567	2.457	2.577	2.628	2.583	2.193	2.258	2.517	2.585	2.739	3.621
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	77.[illegible]	76.3	76.5	77.5	79.[illegible]8	80.2	81.1	82.2	82.8	81.8	79.5	77.8	79.3
1	S. D.	3.002	3.200	3.194	3.000	2.867	2.956	2.857	2.414	2.684	2.713	3.174	3.065	3.684
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	77.8	76.9	77.2	78.1	79.5	80.9	81.8	83.0	83.3	81.9	79.8	78.3	79.9
	S. D.	3.017	3.621	3.248	3.073	2.703	2.891	2.815	2.314	2.446	2.773	3.079	3.[illegible]71	3.640
	TOTAL OBS	31[illegible]	282	31[illegible]	300	310	300	310	310	299	310	300	308	3649
	MEAN	76.0	75.5	75.5	76.5	77.6	79.3	8[illegible].3	81.4	81.4	79.8	77.6	76.2	78.1
	S. D.	2.699	3.288	2.945	2.546	2.732	2.779	2.704	2.184	2.326	2.396	2.506	2.688	3.416
	TOTAL OBS	31[illegible]	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	73.8	73.2	73.[illegible]	73.9	75.[illegible]	76.4	77.2	78.3	78.7	77.7	76.0	74.5	75.7
	S. D.	2.251	2.709	2.617	2.098	2.222	2.226	2.305	1.863	2.120	2.291	2.155	2.428	2.986
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	308	3648
	MEAN	72.9	72.3	72.3	73.3	74.2	75.6	76.6	77.7	78.0	77.1	75.3	73.8	74.9
2	S. D.	2.672	2.758	2.561	2.[illegible]77	2.279	2.226	2.280	2.000	2.006	2.173	2.198	2.391	3.038
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	74.2	73.7	73.8	74.8	76.0	77.4	78.3	79.4	79.8	78.6	76.6	75.1	76.5
ALL HOURS	S. D.	3.406	3.684	3.52[illegible]	3.275	3.372	3.[illegible]29	3.413	3.131	3.215	3.203	3.198	3.332	3.966
	TOTAL OBS	2479	2256	248[illegible]	2400	2480	2399	2480	2480	2392	2480	2398	2469	29193

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3

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22519 KANEOHE BAY, HI 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	67.2	66.9	67.0	67.8	68.8	70.0	71.0	72.3	72.4	71.4	70.0	68.1	69.4
	S. D.	2.955	3.033	2.581	2.28	2.193	1.950	1.876	1.918	2.228	2.339	2.384	3.303	3.141
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	67.0	66.6	66.7	67.6	68.6	69.9	70.9	72.1	72.3	71.2	69.8	67.9	69.2
	S. D.	2.939	3.043	2.559	2.433	2.075	2.001	1.841	1.990	2.179	2.366	2.522	3.260	3.160
	TOTAL OBS	310	282	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	67.5	67.1	67.6	68.8	70.1	71.2	72.2	73.2	73.5	72.3	70.7	68.6	70.3
	S. D.	2.835	3.072	2.474	2.476	2.281	2.047	1.989	1.872	2.052	2.377	2.381	3.221	3.281
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	68.5	68.9	69.2	70.1	71.2	72.3	73.2	74.3	74.8	73.8	72.3	70.4	71.7
1	S. D.	2.807	3.117	2.473	2.357	2.165	2.158	1.938	1.839	1.895	1.983	2.265	3.206	3.101
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	69.7	68.9	69.4	70.3	71.5	72.6	73.5	74.6	74.9	73.7	72.2	70.4	71.8
	S. D.	2.698	2.897	2.382	2.332	2.077	2.114	1.898	1.883	2.003	2.082	2.422	3.178	3.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	68.8	68.2	68.7	69.5	70.7	71.9	72.9	73.9	74.0	72.7	71.2	69.3	71.0
	S. D.	2.698	2.850	2.397	2.232	2.027	2.131	1.865	1.711	2.036	2.041	2.424	3.096	3.061
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	68.0	67.4	67.6	68.4	69.5	70.7	71.5	72.8	72.8	71.9	70.6	68.6	70.0
	S. D.	2.765	2.916	2.303	2.253	2.046	1.928	1.918	1.680	2.324	2.363	2.360	3.244	3.036
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	308	3648
	MEAN	67.6	67.2	67.4	68.2	69.2	70.4	71.3	72.6	72.7	71.6	70.4	68.2	69.7
2	S. D.	2.840	2.870	2.549	2.390	2.165	1.940	1.933	1.936	2.335	2.461	2.369	3.185	3.121
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	68.2	67.7	68.0	68.8	70.0	71.1	72.1	73.2	73.4	72.3	70.9	68.9	70.4
ALL HOURS	S. D.	2.977	3.088	2.635	2.536	2.368	2.253	2.140	2.059	2.347	2.451	2.542	3.345	3.261
	TOTAL OBS	2479	2256	2480	2400	2480	2399	2480	2480	2392	2480	2398	2469	29193

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22-19 KANEOHE BAY, HI 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	64.3	64.1	64.4	65.2	66.3	67.6	68.6	70.0	70.0	68.8	67.5	65.2	66.8
	S. D.	4.312	4.179	3.644	3.278	2.859	2.592	2.549	2.601	3.101	3.333	3.467	4.823	4.049
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	64.3	63.9	64.2	65.0	66.2	67.5	68.5	69.8	69.9	68.6	67.3	65.0	66.7
	S. D.	4.153	4.256	3.655	3.443	2.811	2.587	2.472	2.599	3.035	3.331	3.663	4.706	4.058
	TOTAL OBS	310	282	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	64.7	64.4	64.8	65.7	67.0	68.2	69.3	70.5	70.8	69.4	68.2	65.8	67.4
	S. D.	4.041	4.330	3.648	3.629	3.051	2.815	2.770	2.565	2.841	3.294	3.430	4.602	4.115
	TOTAL OBS	310	292	310	300	310	300	310	310	299	310	300	309	3650
11	MEAN	65.5	64.8	65.3	66.1	67.4	68.5	69.5	70.8	71.2	70.2	68.8	66.5	67.9
	S. D.	4.081	4.490	3.659	3.569	2.990	2.966	2.849	2.565	2.605	2.887	3.230	4.660	4.061
	TOTAL OBS	310	292	310	300	310	300	310	310	299	310	300	309	3650
1	MEAN	65.3	64.5	65.2	66.3	67.6	68.6	69.6	70.8	71.2	70.0	68.5	66.3	67.8
	S. D.	4.030	4.148	3.545	3.514	2.814	2.975	2.804	2.632	2.809	2.911	3.561	4.706	4.068
	TOTAL OBS	310	292	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	64.8	64.2	65.0	65.8	67.2	68.3	69.4	70.5	70.6	69.4	67.9	65.5	67.4
	S. D.	3.864	3.996	3.458	3.350	2.689	2.966	2.774	2.418	2.716	2.887	3.523	4.647	3.991
	TOTAL OBS	310	292	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	64.7	64.1	64.6	65.3	66.6	67.8	68.6	70.2	70.0	69.0	67.9	65.2	67.0
	S. D.	4.007	4.041	3.326	3.318	2.775	2.618	2.654	2.398	3.244	3.339	3.423	4.779	3.979
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	308	3648
2	MEAN	64.6	64.3	64.6	65.4	66.5	67.7	68.7	70.2	70.1	68.9	67.9	65.-	67.-
	S. D.	4.146	3.866	3.596	3.491	2.871	2.605	2.621	2.650	3.296	3.446	3.455	4.683	4.037
	TOTAL OBS	310	292	310	300	310	300	310	310	299	310	300	309	3650
ALL HOURS	MEAN	64.8	64.3	64.8	65.6	66.8	68.0	69.1	70.3	70.5	69.3	68.0	65.5	67.3
	S. D.	4.035	4.170	3.580	3.472	2.897	2.797	2.726	2.574	3.005	3.229	3.494	4.729	4.066
	TOTAL OBS	2479	2256	2480	2400	2480	2399	2480	2480	2392	2480	2399	2469	29194

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22-19	KANEOHE BAY, HI	73-82	JAN
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	10	100.0	100.0	100.0	100.0	98.7	91.4	76.8	40.6	7.4	77.0	310
	11	100.0	100.0	100.0	100.0	99.7	94.5	78.7	45.5	9.7	78.0	310
	12	100.0	100.0	100.0	100.0	99.7	93.2	75.5	42.9	11.6	77.5	310
	13	100.0	100.0	100.0	100.0	97.4	76.5	40.0	13.5	3.2	68.4	310
	14	100.0	100.0	100.0	100.0	94.5	66.8	30.0	11.9	2.9	66.3	310
	15	100.0	100.0	100.0	100.0	99.0	87.3	43.2	11.3	1.9	68.9	310
	16	100.0	100.0	100.0	100.0	100.0	90.9	68.0	23.3	4.9	74.0	309
	17	100.0	100.0	100.0	100.0	99.4	91.0	71.6	37.1	7.1	75.9	310
TOTALS		100.0	100.0	100.0	100.0	98.5	85.6	60.5	28.3	6.1	73.3	2479

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible] 19	[illegible]FOHL BAY, HI	[illegible]3-82	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%		
FEB	[illegible]	100.0	100.0	100.0	100.0	100.0	93.3	79.8	44.7	7.8	77.8	2[illegible]2
	[illegible]	100.0	100.0	100.0	100.0	99.6	94.7	77.3	46.8	7.1	77.9	2[illegible]2
	[illegible]	100.0	100.0	100.0	100.0	99.3	92.2	79.4	41.8	9.9	77.4	282
	11	100.0	100.0	100.0	100.0	94.3	72.7	42.6	16.3	1.8	68.4	282
	14	100.0	100.0	100.0	100.0	91.1	68.1	35.5	11.3	1.8	66.3	2[illegible]2
	17	100.0	100.0	100.0	99.6	97.5	76.9	44.5	12.5	2.5	68.5	2[illegible]1
	[illegible]	100.0	100.0	100.0	100.0	99.3	90.4	64.2	27.0	2.1	73.8	282
	23	100.0	100.0	100.0	100.0	100.0	94.3	79.1	35.1	3.9	76.3	2[illegible]2
TOTALS		100.0	100.0	100.0	100.0	97.6	85.3	62.8	29.4	4.6	73.3	2255

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12519	KANEOHE BAY, HI	73-82	MAR
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%		
MA	05	100.0	100.0	100.0	100.0	99.7	97.4	80.0	47.7	10.3	73.7	310
	08	100.0	100.0	100.0	100.0	100.0	96.1	81.6	47.4	12.9	79.2	310
	11	100.0	100.0	100.0	100.0	99.4	92.3	74.5	41.0	7.7	77.0	310
	14	100.0	100.0	100.0	100.0	95.2	75.2	43.2	18.7	1.9	69.2	310
	17	100.0	100.0	100.0	100.0	96.1	69.7	38.7	14.8	2.3	67.3	310
	20	100.0	100.0	100.0	100.0	99.4	84.2	47.4	19.7	3.5	70.6	310
	23	100.0	100.0	100.0	100.0	100.0	94.8	68.7	32.3	6.5	75.6	310
	26	100.0	100.0	100.0	100.0	99.7	95.9	76.5	39.4	8.1	77.4	310
TOTALS		100.0	100.0	100.0	100.0	98.7	88.2	63.8	32.6	6.7	74.4	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	KANEOHE BAY, HI	[illegible]-82	APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	100.0	98.7	78.7	42.3	9.3	78.2	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.0	79.7	44.0	8.3	78.5	300
	[illegible]	100.0	100.0	100.0	100.0	99.3	93.[illegible]	66.[illegible]	30.0	4.3	74.8	300
	11	100.0	100.0	100.0	100.0	97.3	73.0	43.0	17.0	4.3	68.8	300
	1[illegible]	100.0	100.0	100.0	100.0	96.3	72.0	37.7	13.0	3.0	67.7	300
	[illegible]7	100.0	100.0	100.0	100.0	99.3	81.7	48.7	17.3	2.3	70.2	300
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.3	69.[illegible]	29.3	3.7	75.1	300
	2[illegible]	100.0	100.0	100.0	100.0	99.7	98.0	73.7	37.7	6.7	76.9	300
TOTALS		100.0	100.0	100.0	100.0	99.[illegible]	88.6	61.9	29.8	5.1	77.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	WALFORD BAY, MI	7[illegible]-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%		
MAY	[illegible]	100.0	100.0	100.0	100.0	100.0	99.4	86.5	40.0	[illegible].2	78.5	31[illegible]
	[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	85.8	46.5	7.4	7[illegible].5	310
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.8	65.8	22.9	[illegible].9	74.1	31[illegible]
	[illegible]1	100.0	100.0	100.0	100.0	[illegible]9.8	81.3	40.6	8.4	1.6	68.9	31[illegible]
	1[illegible]	100.0	100.0	100.0	100.0	99.4	81.0	33.2	7.1	1.3	67.6	31[illegible]
	1[illegible]	100.0	100.0	100.0	100.0	100.0	91.0	51.0	12.9	1.3	70.9	31[illegible]
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.1	76.1	26.1	3.2	75.5	31[illegible]
	2[illegible]	100.0	100.0	100.0	100.0	100.0	99.7	81.3	35.5	4.8	77.3	31[illegible]
TOTALS		100.0	100.0	100.0	100.0	[illegible]9.[illegible]	93.3	65.[illegible]	24.9	[illegible].6	74.0	24[illegible]

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%		
		100.0	100.0	100.0	100.0	100.0	100.0	72.7	40.0	5.3	79.3	3[illegible]0
		100.0	100.0	100.0	100.0	100.0	100.0	87.6	43.9	6.0	79.2	3[illegible]9
		100.0	100.0	100.0	100.0	100.0	92.3	63.3	23.3	3.3	73.8	3[illegible]0
	11	100.0	100.0	100.0	100.0	98.7	80.0	37.3	9.	1.7	68.2	3[illegible]0
	12	100.0	100.0	100.0	100.0	96.0	76.3	53.0	7.0	.3	66.8	3[illegible]0
	13	100.0	100.0	100.0	100.0	99.3	85.0	49.3	11.0	2.7	69.8	3[illegible]0
	14	100.0	100.0	100.0	100.0	100.0	97.3	73.	25.3	3.0	75.0	3[illegible]0
	15	100.0	100.0	100.0	100.0	100.0	98.3	76.7	35.	7.3	76.9	3[illegible]0
TOTALS		100.0	100.0	100.0	100.0	99.6	91.2	62.	24.1	3.2	73.5	2339

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

12819 | KANEOHE BAY, HI | 73-82 | JUL
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%		
JUL	01	100.0	100.0	100.0	100.0	100.0	98.7	81.9	42.9	5.2	78.7	310
	04	100.0	100.0	100.0	100.0	100.0	99.7	86.5	44.5	8.4	79.5	310
	07	100.0	100.0	100.0	100.0	100.0	96.8	68.7	31.0	6.5	75.4	310
	10	100.0	100.0	100.0	100.0	98.7	81.9	40.6	11.6	1.9	68.6	310
	13	100.0	100.0	100.0	100.0	98.1	76.8	36.8	9.0	.6	67.3	310
	16	100.0	100.0	100.0	100.0	99.4	85.8	46.1	12.6	1.9	70.1	310
	19	100.0	100.0	100.0	100.0	100.0	97.1	68.7	30.0	4.8	75.4	310
	22	100.0	100.0	100.0	100.0	100.0	98.1	77.1	35.2	4.5	77.0	310
TOTALS		100.0	100.0	100.0	100.0	99.5	91.9	63.3	27.1	4.2	78.5	2480

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22-19	KA'FO E BAY, HI	7?-82	AUG
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%		
AUG	07	100.0	100.0	100.0	100.0	100.0	100.0	90.0	43.5	5.5	79.1	31?
	08	100.0	100.0	100.0	100.0	100.0	100.0	91.6	48.1	8.1	80.0	31?
	09	100.0	100.0	100.0	100.0	100.0	98.4	74.2	25.8	3.2	75.6	310
	11	100.0	100.0	100.0	100.0	99.7	91.0	36.5	7.1	1.3	68.9	310
	14	100.0	100.0	100.0	100.0	99.4	85.2	27.4	5.5	1.3	67.2	310
	17	100.0	100.0	100.0	100.0	100.0	94.5	40.6	6.8	1.0	70.0	310
	20	100.0	100.0	100.0	100.0	100.0	99.7	78.1	28.4	3.5	76.6	310
	23	100.0	100.0	100.0	100.0	100.0	99.4	87.1	37.7	5.8	78.0	31?
TOTALS		100.0	100.0	100.0	100.0	99.9	96.0	65.7	25.4	3.7	74.4	2?8?

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

[illegible] KALKOMIE BAY, MI 73-80 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	100.0	100.0	100.0	100.0	99.7	98.7	88.6	34.8	[illegible].0	75.2	299
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.7	91.6	34.8	9.4	77.2	299
	[illegible]	100.0	100.0	100.0	100.0	99.7	98.7	71.6	25.1	7.7	75.4	299
	11	100.0	100.0	100.0	100.0	99.3	84.9	34.8	11.0	3.0	66.7	299
	14	100.0	100.0	100.0	100.0	98.7	85.6	29.8	5.4	1.7	67.6	299
	17	100.0	100.0	100.0	100.0	99.7	94.6	38.9	8.7	2.3	70.3	299
	[illegible]	100.0	100.0	100.0	100.0	99.7	96.3	76.3	22.1	[illegible].0	75.2	299
	23	100.0	100.0	100.0	100.0	99.7	97.7	86.0	32.1	4.3	77.2	299
TOTALS		100.0	100.0	100.0	100.0	99.6	94.5	64.6	22.1	6.1	74.0	2392

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

3

RELATIVE HUMIDITY

22[illegible]19 KA[illegible]O-E BAY, MI 73-92 [illegible]CT

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]CT	[illegible]	100.0	100.0	100.0	100.0	100.0	97.4	80.0	36.8	5.2	77.4	31[illegible]
	[illegible]	100.0	100.0	100.0	100.0	100.0	98.1	81.9	37.7	9.1	78.0	31[illegible]
	[illegible]	100.0	100.0	100.0	100.0	99.4	95.2	7[illegible].3	28.4	3.9	75.2	31[illegible]
	11	100.0	100.0	100.0	100.0	100.0	90.3	4[illegible].3	9.7	1.6	68.6	31[illegible]
	14	100.0	100.0	100.0	100.0	[illegible]9.0	81.0	34.5	7.7	1.3	67.8	31[illegible]
	17	100.0	100.0	100.0	100.0	99.7	92.3	5[illegible].0	10.3	2.3	71.1	31[illegible]
	[illegible]	100.0	100.0	100.0	100.0	100.0	95.2	71.6	24.8	3.9	75.2	31[illegible]
	23	100.0	100.0	100.0	100.0	100.0	97.7	73.5	3[illegible].6	5.8	76.[illegible]	31[illegible]
TOTALS		100.0	100.0	100.0	100.0	99.[illegible]	92.2	62.6	23.3	4.0	73.7	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22119	KANEOHE BAY, HI	73-5?	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	0?	100.0	100.0	100.0	100.0	99.3	96.7	80.9	42.1	11.7	78.7	299
	0	100.0	100.0	100.0	100.0	99.3	97.3	83.7	45.0	12.3	79.2	300
	0	100.0	100.0	100.0	100.0	99.3	95.0	77.6	40.5	12.0	78.3	299
	1	100.0	100.0	100.0	100.0	99.7	82.3	47.7	18.7	4.7	71.6	300
	16	100.0	100.0	100.0	100.0	97.7	79.7	45.3	14.7	5.3	69.4	300
	17	100.0	100.0	100.0	100.0	99.7	90.3	59.3	22.7	3.7	72.8	300
	18	100.0	100.0	100.0	100.0	99.7	94.7	75.3	32.7	7.0	76.5	300
	21	100.0	100.0	100.0	100.0	99.7	96.3	79.3	40.7	9.3	78.2	300
TOTALS		100.0	100.0	100.0	100.0	99.7	91.5	68.6	32.1	8.3	75.5	2398

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22519 KANEOHE BAY, HI 73-82 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	97.4	90.3	77.7	38.2	9.1	76.5	319
	05	100.0	100.0	100.0	100.0	97.7	92.2	77.3	40.5	9.4	76.8	309
	08	100.0	100.0	100.0	100.0	99.0	90.6	75.4	42.4	10.4	77.3	309
	11	100.0	100.0	100.0	100.0	95.8	77.7	41.7	17.2	3.6	69.0	309
	14	100.0	100.0	100.0	100.0	93.2	72.7	36.7	14.9	2.9	67.6	308
	17	100.0	100.0	100.0	99.7	95.8	84.7	48.7	16.6	3.2	70.1	309
	20	100.0	100.0	100.0	100.0	97.4	89.6	62.7	24.7	4.9	73.4	308
	23	100.0	100.0	100.0	100.0	98.1	91.3	69.3	32.7	5.2	74.7	309
TOTALS		100.0	100.0	100.0	100.0	96.0	86.0	61.2	24.4	6.1	73.2	2469

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

22519	KANEOHE BAY, HI	72-82	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	100.0	98.5	85.6	60.5	28.3	6.1	73.3	2479
FEB		100.0	100.0	100.0	100.0	97.6	85.3	62.8	29.4	4.6	73.3	2255
MAR		100.0	100.0	100.0	100.0	98.7	88.2	63.6	32.6	6.7	74.4	2480
APR		100.0	100.0	100.0	100.0	99.2	88.6	61.9	28.8	5.1	73.8	2400
MAY		100.0	100.0	100.0	100.0	99.8	93.3	65.2	24.9	3.6	74.0	2481
JUN		100.0	100.0	100.0	100.0	99.6	91.2	62.9	24.1	3.2	73.5	2399
JUL		100.0	100.0	100.0	100.0	99.5	91.9	63.3	27.1	4.2	74.0	2480
AUG		100.0	100.0	100.0	100.0	99.9	96.0	65.7	25.4	3.7	74.4	2480
SEP		100.0	100.0	100.0	100.0	99.6	94.5	64.6	22.1	4.1	74.0	2392
OCT		100.0	100.0	100.0	100.0	99.8	92.2	62.8	23.3	4.0	73.7	2480
NOV		100.0	100.0	100.0	100.0	99.3	91.5	68.6	32.1	8.3	75.5	2398
DEC		100.0	100.0	100.0	100.0	96.9	86.0	61.2	28.4	6.1	73.2	2469
TOTALS		100.0	100.0	100.0	100.0	99.1	90.4	63.6	27.2	5.0	73.9	29192

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22919 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JANUARY (MONTH) _____ (HOURS - L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.1	1.7	10.2	23.7	20.3	15.3	10.2		13.6	59	2.4
77 TO 81	9.9	9.6	23.2	10.5	10.5	17.1	12.0	2.1	5.1	573	23.1
72 TO 76	6.8	12.2	36.9	4.8	13.3	8.7	6.0	4.1	10.6	1299	52.4
67 TO 71	6.2	13.1	20.8	2.1	10.7	14.3	9.8	3.2	19.9	533	21.5
62 TO 66		7.1	28.6			50.0	7.1		7.1	14	.6
57 TO 61								100.0		1	.0
52 TO 56											
47 TO 51											
42 TO 46											
37 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											
-[illegible] TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.3	11.5	29.4	5.9	10.6	12.2	8.3	3.3	11.6	2679	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22517 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) FEBRUARY (MONTH) (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	4.1	6.1	18.4	26.5	4.1	20.4	5.2	6.1	6.1	49	2.2
77 TO 81	7.5	11.8	36.2	12.5	7.3	9.9	9.2	3.3	2.4	425	18.8
72 TO 76	7.9	15.9	40.6	6.9	5.3	7.5	5.5	3.9	6.5	1219	53.6
67 TO 71	6.0	17.2	31.4	5.4	6.2	11.6	7.8	3.6	10.6	500	22.2
62 TO 66	6.9	30.6	13.9	2.8	8.3	16.7	5.6	8.3	6.9	72	3.2
57 TO 61							100.0			1	.0
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	7.3	15.6	36.4	7.9	5.9	9.4	6.8	3.9	6.6	2256	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

2119 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) MARCH (MONTH) (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			100.0							1	.0
82 TO 86	8.1	5.4	54.1	18.9	8.1				5.4	37	1.5
77 TO 81	4.8	11.2	62.2	9.1	2.0	4.5	3.1	.8	1.4	484	19.5
72 TO 76	3.8	10.0	65.7	5.4	2.5	3.7	2.5	1.5	4.9	1303	52.5
67 TO 71	4.0	14.6	60.4	2.2	2.7	3.8	2.7	3.7	5.9	628	25.3
62 TO 66	3.7	11.1	22.2	3.7	14.8	7.4	11.1	7.4	18.5	27	1.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	11.3	63.0	5.5	2.9	3.9	2.7	2.0	4.6	2480	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22512 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (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	1.5	3.1	61.5	24.6	6.2		1.5	1.5		65	2.7
77 TO 81	4.7	18.5	62.6	6.7	1.9	1.9	.8	.6	2.2	623	26.0
72 TO 76	2.8	15.7	65.4	4.5	1.5	2.6	2.0	1.8	3.9	1367	57.0
67 TO 71	6.7	22.2	58.8	2.4	2.4	3.3	2.4	2.1	7.6	329	13.7
62 TO 66	12.5	6.3	6.3		12.5	12.5	12.5	25.0	12.5	16	.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											
-59 & LWR											
TOTALS	3.8	18.9	62.2	5.3	1.9	2.5	1.8	1.7	3.9	2400	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22[illegible] KANEOHE BAY, HI JANUARY 1973-DECEMBER 1982 MAY

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	3.5	9.2	67.6	13.3	1.7	2.3		.6	1.7	173	7.0
77 TO 81	2.2	12.[illegible]	71.5	6.8	.9	.5	.3	1.1	3.9	883	35.6
72 TO 76	1.4	10.1	71.9	2.9	2.0	1.6	1.9	1.1	7.1	1226	49.4
67 TO 71	2.0	15.2	58.[illegible]	4.6	3.0	3.6	2.5		10.7	197	7.9
62 TO 66			100.0							1	.0
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.9	11.5	70.4	5.1	1.7	1.8	1.3	1.0	5.8	2480	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

2 15 (STATION) KANEOHE BAY, HT (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JUNE (MONTH) (HOUR)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		3.3	66.7							3	.1
82 TO 86	.9	16.6	71.9	9.7	.3			.3	.3	32	13.3
77 TO 81	1.4	15.4	75.1	4.3	.4	.2	.1	.4	2.2	111	46.6
72 TO 76	1.7	11.4	74.3	2.2	.5	1.1	2.0	1.2	5.2	899	37.5
67 TO 71	1.7	8.5	74.6		5.1	5.1	1.7		3.4	59	2.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.5	14.3	74.2	4.1	.7	.6	.8	.7	3.1	2399	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

2 1 (STATION) KAILUA-KE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JULY (MONTH) (HOURS OBSVD)

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		7.7	76.9	15.4						1[illegible]	.5
82 TO 86	1.8	20.1	71.9	5.3	.2				.7	438	17.7
77 TO 81	.6	13.7	81.1	2.5	.2	.2	.3		1.3	1269	51.2
72 TO 76	.3	10.5	83.1	1.	.3	.4	.4	.1	4.[illegible]	733	29.6
67 TO 71		3.7	85.2	7.4	3.7					[illegible]	1.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.7	13.8	80.1	2.7	.3	.2	.3	.0	2.0	2490	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

12519 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) AUGUST (MONTH) (HOURS)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		6.3	79.3	13.6						25	1.2
82 TO 86	1.9	20.1	73.4	3.6	.5		.2		.3	506	23.6
77 TO 81	.4	15.2	77.1	2.5	.2	.5	1.0	.2	2.9	1265	58.9
72 TO 76	1.0	11.2	79.7	2.7	.2	2.0	1.5	.7	6.0	403	16.3
67 TO 71			100.0							2	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
59 & LWR											
TOTALS	.5	15.6	75.8	2.9	.3	.6	.8	.2	2.8	2248	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22-16 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) SEPTEMBER (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	1.8	12.3	56.1	28.1	1.8					57	2.4
82 TO 86	3.9	20.4	69.1	5.4				.?	1.0	60?	25.4
77 TO 81	1.5	11.8	75.7	4.2	.4	.7	.8	.4	4.5	1344	56.2
72 TO 76	.5	9.7	58.0	1.3	3.4	7.3	5.0	2.4	12.3	381	15.9
67 TO 71		50.0				50.0				2	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.0	13.7	70.7	4.6	.8	1.6	1.3	.7	4.8	2392	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

22115 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) OCTOBER (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			5.2	20.7	10.3	10.3	3.4			[illegible]	1.2
82 TO 86	4.2	18.5	62.1	8.5	2.[illegible]	1.8	1.1	.7	1.1	440	18.1
77 TO 81	2.6	13.1	69.6	4.8	1.2	1.8	2.0	1.3	4.7	1363	55.[illegible]
72 TO 76	1.8	7.4	62.2	2.9	4.3	3.9	5.4	2.5	9.2	611	24.6
67 TO 71		21.4	14.3		14.3	10.7	10.7	7.1	21.4	28	1.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.7	12.7	55.1	[illegible].1	2.3	2.5	2.8	1.5	5.3	2480	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22513 (STATION) KANEOHE BAY, HI (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) NOVEMBER (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		50.0		50.0						2	.1
82 TO 86	7.3	10.4	50.3	21.2	2.1	3.1			5.7	193	8.0
77 TO 81	5.0	12.9	63.8	8.8	2.2	2.1	1.3	.7	3.5	985	41.1
72 TO 76	4.1	13.1	48.6	3.0	5.3	6.6	6.5	2.1	10.2	1114	46.5
67 TO 71	11.7	16.5	7.8	3.9	10.7	10.7	12.6	1.9	24.3	103	4.3
62 TO 66		100.0								1	.0
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	13.0	53.1	7.2	4.0	4.6	4.0	1.3	7.7	2398	100.0

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3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] STATION | KALEOHE BAY, HI STATION NAME | JANUARY 1973-DECEMBER 1982 YEARS | DECEMBER MONTH | HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						100.0				1	.0
82 TO 86	5.3	8.4	24.2	25.3	6.3	9.5	6.3	4.2	10.5	95	3.8
77 TO 81	6.1	12.9	45.5	8.8	5.6	9.5	4.7	1.5	5.4	661	26.8
72 TO 76	5.8	20.7	40.9	3.4	4.0	7.0	4.9	2.2	11.1	1392	56.4
67 TO 71	5.6	18.6	16.[illegible]	2.9	12.1	13.[illegible]	11.1	4.9	18.0	306	12.4
62 TO 66	7.1	14.3	14.3		14.3	14.3	14.3	21.4		14	.6
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	17.8	38.3	5.6	5.6	8.3	5.7	2.5	10.3	2466	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] KANEOHE BAY, HI JANUARY 1973-DECEMBER 1982 ALL

STATION STATION NAME YEARS MONTH NO. OF YEARS

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	.7	8.9	62.2	21.5	3.0	3.0	.7			13[illegible]	.5
82 TO 86	3.2	16.[illegible]	64.6	9.2	1.6	1.5	.7	.5	1.0	3072	10.5
77 TO 81	3.0	13.5	66.9	5.7	1.9	2.[illegible]	2.0	.8	3.3	11188	38.3
72 TO 76	3.8	13.1	57.7	3.[illegible]	3.7	4.6	3.7	2.1	7.5	11937	40.9
67 TO 71	5.3	16.1	39.0	3.1	6.4	8.4	6.3	3.1	12.2	2714	9.3
62 TO 66	6.2	20.7	16.6	2.1	9.7	17.2	8.3	10.3	9.[illegible]	145	.5
57 TO 61							[illegible]0.0	50.0		[illegible]	.0
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.5	14.0	60.0	5.1	3.1	4.0	3.0	1.6	5.7	29193	100.0

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Asheville, N. C.

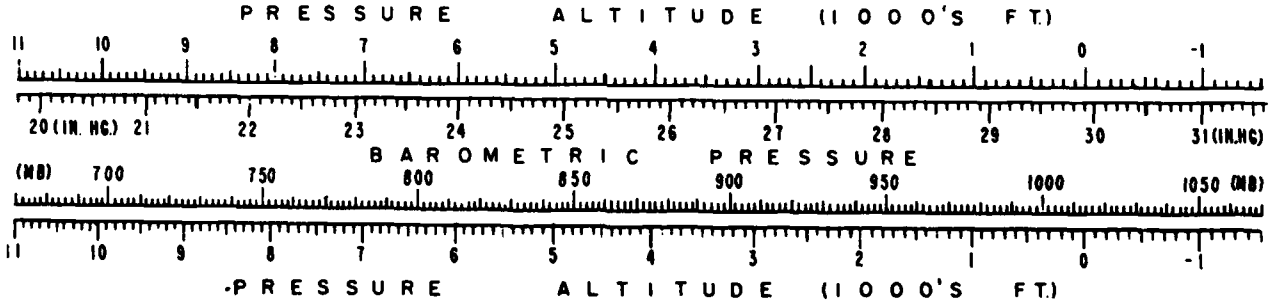
PART F PRESSURE SUMMARY

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

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

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



F

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22719 (STATION) KANEOHE BAY, HI (STATION NAME) 73-82 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	1015.3	1016.5	1018.1	1018.0	1017.8	1017.4	1017.1	1016.5	1015.8	1015.9	1016.1	1016.4	1016.7
	S. D.	3.558	3.980	2.902	2.372	1.891	1.651	1.755	1.651	1.939	1.920	2.547	3.151	2.669
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	299	309	3649
	MEAN	1014.8	1015.8	1017.3	1017.4	1017.3	1017.0	1016.7	1015.9	1015.3	1015.4	1015.4	1015.9	1016.2
	S. D.	3.563	3.987	2.924	2.361	1.886	1.681	1.779	1.683	1.544	1.965	2.514	3.207	2.683
	TOTAL OBS	310	282	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	1016.0	1017.1	1018.7	1018.7	1018.5	1018.2	1017.8	1017.1	1016.4	1016.6	1016.7	1017.1	1017.4
	S. D.	3.565	3.946	2.943	2.377	1.881	1.680	1.753	1.675	1.551	1.991	2.466	3.238	2.692
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
1	MEAN	1016.6	1017.7	1019.3	1019.2	1018.8	1018.4	1018.1	1017.5	1016.9	1017.1	1017.0	1017.5	1017.8
	S. D.	3.565	3.996	2.969	2.398	1.894	1.694	1.702	1.690	1.558	2.006	2.477	3.241	2.694
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
1	MEAN	1014.1	1015.5	1017.5	1017.7	1017.6	1017.4	1017.1	1016.3	1015.2	1015.0	1014.8	1015.2	1016.1
	S. D.	3.556	4.067	2.917	2.362	1.881	1.697	1.705	1.697	1.574	1.987	2.511	3.195	2.829
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	1014.2	1015.2	1016.8	1016.9	1016.9	1016.6	1016.3	1015.5	1014.7	1014.9	1014.9	1015.2	1015.7
	S. D.	3.513	3.970	2.888	2.347	1.844	1.655	1.719	1.678	1.5[illegible]	1.947	2.491	3.141	2.676
	TOTAL OBS	310	282	310	300	310	300	310	310	[illegible]	310	300	308	3649
	MEAN	1015.7	1016.6	1018.3	1018.3	1018.1	1017.7	1017.3	1016.6	1016.[illegible]	016.5	1016.4	1016.7	1017.0
	S. D.	3.487	3.891	2.870	2.337	1.796	1.613	1.727	1.659	1.547	1.918	2.537	3.150	2.627
	TOTAL OBS	310	282	310	300	310	300	[illegible]10	310	299	310	300	308	3649
2	MEAN	1016.2	1017.4	1019.2	1019.2	1019.1	1018.7	1018.3	1017.6	1016.9	1017.0	1017.0	1017.3	1017.8
	S. D.	3.499	3.917	2.881	2.320	1.793	1.640	1.700	1.619	1.537	1.914	2.546	3.150	2.680
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
ALL HOURS	MEAN	1015.4	1016.5	1018.1	1018.2	1018.0	1017.7	1017.3	1016.6	1015.9	1016.1	1016.0	1016.4	1016.9
	S. D.	3.641	4.058	3.029	2.487	1.987	1.787	1.841	1.798	1.721	2.117	2.647	3.292	2.799
	TOTAL OBS	2480	2256	2480	2400	2480	2399	2480	2480	2392	2480	2399	2469	29195

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22[illegible] KANEOHE BAY, HI — 73-82

STATION — STATION NAME — YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	29.959	29.993	30.040	30.037	30.031	30.019	30.011	29.992	29.974	29.977	29.980	29.991	30.000
	S. D.	.105	.116	.085	.071	.055	.048	.051	.048	.045	.056	.075	.093	.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	29.942	29.972	30.018	30.018	30.017	30.008	29.999	29.977	29.957	29.962	29.962	29.974	29.984
	S. D.	.105	.117	.086	.069	.055	.049	.052	.049	.045	.057	.074	.094	.079
	TOTAL OBS	310	282	310	300	310	299	310	310	299	310	300	309	3649
	MEAN	29.978	30.010	30.058	30.059	30.054	30.043	30.033	30.011	29.991	29.998	29.999	30.010	30.020
	S. D.	.105	.116	.087	.070	.055	.049	.051	.049	.046	.058	.073	.095	.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	29.996	30.030	30.076	30.072	30.062	30.050	30.041	30.022	30.004	30.010	30.009	30.023	30.033
1	S. D.	.105	.117	.088	.070	.055	.049	.049	.049	.045	.058	.073	.095	.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	29.971	29.965	30.021	30.028	30.028	30.021	30.012	29.987	29.956	29.950	29.943	29.954	29.982
1	S. D.	.105	.119	.086	.070	.055	.049	.049	.050	.046	.058	.075	.094	.083
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	29.928	29.955	30.003	30.005	30.004	29.998	29.988	29.963	29.941	29.946	29.945	29.955	29.969
	S. D.	.103	.116	.085	.069	.054	.048	.049	.048	.045	.057	.074	.093	.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	29.969	29.997	30.045	30.046	30.041	30.028	30.017	29.997	29.981	29.992	29.991	29.999	30.009
	S. D.	.103	.114	.085	.069	.052	.047	.050	.048	.045	.056	.075	.093	.077
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	308	3649
	MEAN	29.984	30.021	30.073	30.074	30.069	30.057	30.045	30.025	30.005	30.009	30.006	30.016	30.032
2	S. D.	.103	.114	.085	.069	.052	.048	.049	.047	.045	.056	.076	.093	.079
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	309	3650
	MEAN	29.959	29.993	30.042	30.042	30.038	30.028	30.018	29.997	29.976	29.980	29.980	29.990	30.004
ALL HOURS	S. D.	.107	.119	.089	.073	.058	.052	.053	.052	.050	.062	.078	.097	.082
	TOTAL OBS	2480	2256	2480	2400	2480	2399	2480	2480	2392	2480	2400	2469	29196

END

DATE
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