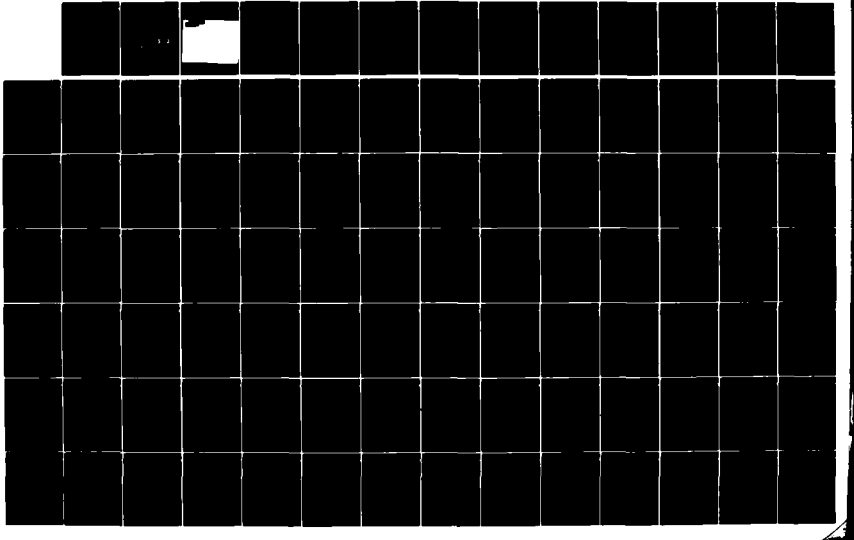
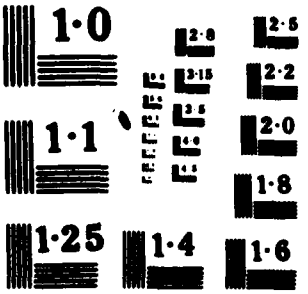
AD-A151 677 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
FOR ATSUGI JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

UNCLASSIFIED F/G 4/2 NL




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AD-A151 677

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AD-A151 677

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This summary is based primarily on data derived from telecommunications sources. Most tables in this update are based on the period of record (POR) 1973 through 1982. However, a few tables are based on earlier POR's, because Summary of the Day data is not available from telecommunications sources. All available data through 1982 was used for extreme values. In producing these tables, it was assumed that all cloud cover was opaque.

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

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. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals.

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 OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
43319	Atsugi, Japan	35°27'N	139°27'E	203	RJTA	47679

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF SUCC LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather Service Office Ops Bldg	Navy		1958	35°27'N	139°27'E	203	Mercurial	24
2.	Weather Service Office Ops Bldg	"	1958	1971	"	"	214	"	24
1a.	Weather Service Office Ops Bldg	"	1959	1971	"	"	217	Aneroid	24
2a.	Weather Service Office Ops Bldg	"	1971	1978	"	"	217	"	*
3a.	Weather Service Office Ops Bldg	"	1979		"	"	210	"	*

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.	8/51	Installed on roof of Ops Bldg	UMQ-5		249'	1. Transmissometer (AN/GMQ-10)
2.	8/58	890' west of center of runway at mid field	UMQ-5C	RD-108B	219'	
3.		Surface observation program discontinued and all equipment was turned over to JMSDF 1 July 1971.				

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Asheville, NC

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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:

[illegible] annual, all hours and years combined.

[illegible] annual, all hours and years combined, by wind direction.

[illegible], 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 in which 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

[illegible] ATSUGI, JAPAN 51-63, 66-71 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.9	28.4	.9	9.9		29.4	24.7	76.9		.2	81.4	558
FEB		.4	31.7	.4	15.4	.4	38.2	37.4	81.5	.4	1.4	86.8	509
MAR		.9	49.4	.4	9.3	.2	51.3	48.3	79.5	.2	.5	85.3	557
APR		.9	55.1		.7		55.1	60.5	79.4	.2	.7	88.5	539
MAY		2.3	49.8		.2	.4	49.8	74.2	81.9		.7	93.9	558
JUN		2.6	64.1			.2	64.1	83.5	84.8			96.3	540
JUL		4.2	61.3				61.3	83.7	87.5			94.5	527
AUG		3.1	52.8				52.6	77.2	84.3			91.8	527
SEP		2.7	61.8				61.8	75.3	82.9			92.9	510
OCT		1.1	52.4				52.4	67.0	78.4		.2	90.7	527
NOV		1.0	41.6		.6		41.8	51.4	85.7			91.8	510
DEC		.6	27.3		1.7		27.9	35.7	89.2			91.7	527
TOTALS		2.2	47.7	.1	3.1	.1	48.9	59.9	82.7	.1	.3	90.4	6388

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WEATHER CONDITIONS

STATION [illegible] STATION NAME [illegible] YEARS JAN 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]		5.2		1.7		7.3	4.2	3.4			9.6	178
	[illegible]		6.1		1.7		6.7	7.4	2.9			6.1	179
	[illegible]		5.8		1.7		7.5	2.7	1.7			4.4	295
	[illegible]		5.[illegible]		2.1		7.6	3.1	9.[illegible]			12.1	281
	1[illegible]		5.1		1.4		6.4	.7	4.7			5.4	296
	1[illegible]		5.4		1.7		6.8	.3	3.4			3.7	296
	1[illegible]		5.7		.3		5.7	1.3	5.1			6.4	297
	[illegible]1	.3	5.2		1.4		6.6	2.4	4.[illegible]		.3	7.0	286
TOTALS		.0	5.7		1.[illegible]		6.8	2.5	4.3		.[illegible]	6.8	2116

WEATHER CONDITIONS

ATSUGI, JAPAN | 57-62 | FEB

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
[illegible]	[illegible]		7.4		1.2		8.6	5.2	6.6			13.0	162
	2[illegible]		[illegible]			.6	6.9	6.9	3.1			10.0	160
	[illegible]		8.8		1.[illegible]		10.3	2.6	2.9			[illegible].5	272
	[illegible]		[illegible].0		3.0	.4	11.7	2.3	17.3			19.[illegible]	266
	1[illegible]		7.8		4.1		10.4	1.9	8.2			1[illegible].1	26[illegible]
	1[illegible]		9.3		1.[illegible]		9.7	2.2	7.8			10.1	26[illegible]
	[illegible]		[illegible].1		2.2		9.8	4.4	12.7		.4	17.5	275
	.1	.4	10.6		1.[illegible]		11.7	5.3	4.5			[illegible].4	265
TOTALS		.1	[illegible].5		2.[illegible]	.1	9.9	[illegible].0	7.9		.1	11.[illegible]	1936

WEATHER CONDITIONS

STATION [illegible], JAPAN STATION NAME [illegible] YEARS MAY 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]		17.7		.6		18.3	5.1	4.[illegible]			9.1	17[illegible]
	[illegible]		17.[illegible]		1.[illegible]	.6	18.7	9.1	2.[illegible]		.6	12.5	176
	[illegible]		15.6		1.[illegible]		17.3	1.[illegible]6	5.6			14.[illegible]	301
	[illegible]		14.2		1.4		14.9	3.4	16.6			[illegible].0	2[illegible]
	1[illegible]		12.[illegible]		1.0		13.5	1.[illegible]	10.1		.7	11.8	296
	1		13.[illegible]		1.4		14.2	1.4	8.[illegible]		.3	[illegible].7	28[illegible]
	[illegible]		14.3	.[illegible]	1.0		15.3	3.[illegible]	11.[illegible]			14.0	3[illegible]
	[illegible]1		17.3			.3	17.3	[illegible].3	4.3			7.3	3[illegible]
TOTALS			1[illegible].3	.[illegible]	1.1	.1	16.2	4.6	7.8		.2	12.6	213[illegible]

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
[illegible]	[illegible]		15.3				15.3	8.0	1.7			9.7	176
			15.4				15.4	4.6	.6			5.1	175
			19.4				19.4	14.1	3.5			17.6	284
			18.9				18.9	7.6	13.7			14.3	295
	1		17.7				17.7	1.8	9.2			11.[illegible]	2[illegible]2
	[illegible]	1.1	21.2				21.2	1.5	4.6			[illegible].4	259
	[illegible]	.4	18.3				18.3	4.9	2.1			7.[illegible]	2[illegible]5
	21	.4	17.9			.4	18.2	[illegible].0	1.1			7.0	2[illegible]5
TOTALS		.2	18.1			.1	18.2	5.6	4.2			9.8	2050

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]SUGI, JAPAN	73-82	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	[illegible]		11.[illegible]				11.[illegible]	16.5	2.2			18.7	182
	[illegible]	.5	14.2				14.2	1[illegible].6	1.6			[illegible]0.2	18[illegible]
	[illegible]	.3	13.5				13.5	[illegible]4.[illegible]	3.7			29.6	297
	[illegible]		13.[illegible]				13.5	4.[illegible]	16.3			[illegible]1.2	268
	1		13.8				13.8	1.7	9.7			11.4	28[illegible]
	1		13.2				13.2	2.8	7.3			10.1	2[illegible]7
	1[illegible]	.3	14.1				14.1	6.0	6.7			12.8	296
	[illegible]1		14.6				14.6	8.[illegible]	1.7			[illegible].6	[illegible]31
TOTALS		.1	13.6				13.6	10.4	6.2			16.6	212[illegible]

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WEATHER CONDITIONS

STATION [illegible], JAPAN STATION NAME [illegible] YEARS JUN 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]		18.8				18.8	23.2	1.7			24.9	181
	07		19.1				19.1	29.5	.5			30.1	183
	13		24.7				24.7	29.3	1.9			31.1	270
	19		22.3			.4	22.3	8.9	14.5			23.4	269
	1[illegible]	.4	19.1				19.1	4.2	14.5			18.7	283
	1[illegible]	.3	19.4				19.4	4.9	9.0			13.9	288
	1[illegible]	.7	19.2				19.2	5.7	5.2			13.9	287
	[illegible]1	1.0	17.1				17.1	11.6	1.4			13.0	292
TOTALS		.3	20.0			.1	20.0	15.0	6.1			21.1	2753

WEATHER CONDITIONS

STATION [illegible], JAPAN — STATION NAME — 73-[illegible] — YEARS — JUL — 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
JUL	0[illegible]	.6	19.9				19.9	35.4	.6			36.0	161
	0[illegible]	1.1	15.4				15.4	33.9				33.9	177
	0[illegible]		13.9				13.8	33.9				33.9	298
	0[illegible]	.3	15.3			.3	15.6	12.8	9.0			21.9	256
	1[illegible]		13.9				13.9	3.1	17.0			20.1	294
	1[illegible]	1.0	14.3			.3	14.7	3.4	10.6			14.[illegible]	293
	1[illegible]	2.0	13.6			.3	14.1	10.7	5.0		.3	16.1	298
	21	1.7	18.5				19.5	15.2	.3			15.5	297
TOTALS		.8	15.7			.1	15.9	17.3	5.3		.0	22.7	2124

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WEATHER CONDITIONS

[illegible] ATSUGI, JAPAN [illegible]-82 AUG
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
[illegible]	[illegible]		11.7				11.7	32.8	.6			33.3	180
	[illegible]	1.7	17.3				17.3	33.5	1.7			35.2	179
	[illegible]	.3	12.5				12.5	30.2	.7			30.8	295
	[illegible]		10.2				10.2	17.5	11.2		.3	22.0	286
	17	.7	11.9				11.9	3.3	15.9			19.2	302
	17	1.7	15.2				15.2	2.4	11.4			13.8	297
	17	.7	13.5				13.5	7.7	7.4			15.2	297
	[illegible]	1.7	15.0				15.0	17.0	1.7		.3	16.0	300
TOTALS		.7	13.7				13.7	16.7	6.3		.1	23.1	2136

WEATHER CONDITIONS

STATION [illegible], JAPAN — 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
[illegible]	00	.6	18.5				19.[illegible]	[illegible].2	2.[illegible]			[illegible].0	179
	[illegible]	1.1	15.2				[illegible].2	[illegible].2	.[illegible]			[illegible].7	176
	[illegible]	.3	21.2				[illegible].2	21.2	.[illegible]			21.[illegible]	2[illegible]4
	[illegible]		20.[illegible]				20.5	[illegible].7	[illegible].[illegible]			1[illegible].7	[illegible]4
	1	.3	19.[illegible]				19.0	[illegible].1	13.[illegible]			17.1	2[illegible]
	1		16.2				16.2	3.8	[illegible].6			11.4	23
	1[illegible]		19.1				19.1	10.2	6.6			17.1	293
	21	.7	17.4				17.4	12.5	2.4			15.0	287
TOTALS		.4	19.3				19.8	12.9	4.9			17.8	2790

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WEATHER CONDITIONS

ATSUGI, JAPAN — — — OCT
STATION — STATION NAME — YEARS — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
[illegible]	[illegible]		14.[illegible]				14.[illegible]	14.2	2.6			[illegible]2.3	214
	07	.9	15.2				15.2	14.9	.5			20.4	211
	[illegible]		17.8				17.8	17.8	1.7			19.5	296
	[illegible]		13.4				13.4	9.3	12.1			21.5	289
	1		16.3				16.3	2.7	11.6			14.3	301
	13		13.3				13.3	3.4	8.5			11.6	294
	17	.7	15.5				15.5	7.3	10.6			17.8	303
	21		13.2				13.2	12.3	3.6			15.9	302
TOTALS		.2	14.9				14.9	11.5	6.4			17.9	2212

WEATHER CONDITIONS

STATION [illegible] ATSUGI, JAPAN YEARS [illegible] MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
[illegible]	[illegible]		12.[illegible]				12.9	16.7	6.2			23.0	209
	[illegible]		14.1				14.1	1[illegible].4	2.9			21.4	206
	[illegible]		12.3				12.3	13.[illegible]	3.4			19.2	292
	[illegible]		15.[illegible]			.4	15.[illegible]	7.[illegible]	17.2			24.2	285
	1[illegible]		10.[illegible]				10.3	[illegible].0	15.2			16.2	296
	1[illegible]		9.4				9.4	2.9	15.6			18.4	288
	1[illegible]		11.[illegible]				11.9	5.1	19.[illegible]			24.1	295
	[illegible]1	.3	13.6				13.[illegible]	7.1	10.[illegible]		.7	18.3	295
TOTALS		.0	12.[illegible]			.1	12.6	9.5	11.3		.1	20.9	2166

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WEATHER CONDITIONS

STATION [illegible], JAPAN STATION NAME 73-82 YEARS DEC 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]		5.2		.5		5.2	11.3	8.[illegible]			19.2	217
	07		4.3				4.3	[illegible].5	5.7			16.2	210
	[illegible]		4.3				4.3	6.4	5.7			12.[illegible]	299
	[illegible]		4.1				4.1	4.1	23.4			27.5	295
	1[illegible]		5.4		.3		5.7		10.7			14.7	299
	1[illegible]		5.4		.7		5.7	1.7	15.[illegible]			17.4	298
	1		5.[illegible]		.7		5.9	2.0	23.7			25.7	304
	21		7.3		.3		7.3	4.5	16.8			21.3	296
TOTALS			5.2		.3		5.3	5.1	14.9			19.9	2204

WEATHER CONDITIONS

ATSUGI, JAPAN — STATION NAME
73-82 — YEARS
ALL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS S.T.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.2	5.7		1.5		6.8	2.5	4.3		.0	6.8	2116
FEB		.1	5.5		2.7	.1	9.9	4.5	7.9		.1	11.9	1936
MAR			15.3	.0	1.1	.1	16.2	4.6	7.8		.2	12.6	2133
APR		.2	18.1			.1	18.2	5.6	4.2			9.8	2050
MAY		.1	13.4				13.6	1.4	6.2			16.6	2125
JUN		.2	20.0			.1	20.0	15.0	6.1			31.1	2053
JUL		.8	15.7			.1	15.8	17.3	5.3		.0	22.7	2126
AUG		.2	13.7				13.7	16.7	6.3		.1	23.1	2136
SEP		.4	16.8				16.8	12.2	4.9			17.8	2090
OCT		.2	14.7				14.9	11.5	6.4			17.9	2212
NOV		.0	12.4			.1	12.6	9.5	11.3		.1	20.9	2166
DEC			5.2		.3		5.3	5.1	14.9			19.9	2204
TOTALS		.2	13.5	.0	.4	.0	13.8	9.6	7.1		.0	16.8	25347

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] OF A — JANUARY 1973-DECEMBER 1982 — JANUARY

WIND DIRECTION	RAIN	RAIN OR DRIZZLE	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW PELLETS OR PELLETS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	[illegible]	.9			2.6		.2	2.4		5.3			83.6
NNE	[illegible]	.3	.3			1.4			1.7		2.6			89.9
NE	[illegible]	1.7	.8			3.4			.8		2.5			89.1
ENE	[illegible]					1.5			1.5		4.5			89.4
E											4.4			95.6
ESE		.2									6.5			90.3
SE	.4										6.9			89.7
SSE											10.3			89.7
S	[illegible]								2.7		1.8			93.8
SSW	[illegible]	[illegible]				1.7					3.3			90.0
SW	[illegible]	1.5									3.0			93.9
WSW									2.3		2.3			95.5
W									3.1					96.9
WNW														100.0
NW	.4	1.7							3.4		3.4			88.1
NNW	[illegible]	.6				2.4			1.2		6.5			79.8
VARIABLE														
CALM						.6			4.7		5.6			82.7
TOTAL	6	15	8			23		1	45		90			1792
PERCENTAGE	.4	.7	.4			1.6		.0	2.2		4.3			86.5

TOTAL NUMBER OF OBSERVATIONS 2,072

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] A SUCT, JA AN — JANUARY 1973-DECEMBER 1982 — FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SANDS HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	.8	1.1			4.1			4.1		6.3			72.2
NNE	.	.3	1.0			2.9			5.4		5.1		.3	78.0
NE	.								2.1		12.8			81.9
ENE	5.								1.9		20.8			71.7
E	.								2.3		11.6			79.1
ESE	.					4.3			4.3		21.7			69.5
SE	.		3.7						3.7		14.8			77.8
SSE											5.6			94.4
S	.	1.4									8.5			88.4
SSW	1.	3.	1.3					1.3	1.3		5.3			86.3
SW	1.	1.6									1.6			95.2
WSW						3.9			7.7		7.7			80.8
W									12.5		4.2			93.3
WNW			.3			5.3					5.3			94.2
NW	.		1.8			1.8					5.5			87.3
NNW	1.					3.0			1.5		6.8			76.7
VARIABLE														
CALM	[illegible]								10.5		10.5			56.7
TOTAL	1.4	12	14			43		1	69		150		1	1457
TOTAL	.	.6	.7			2.3		.1	3.7		8.0		.1	77.7

TOTAL NUMBER OF OBSERVATIONS 1,874

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-DECEMBER 1982 [illegible]

WIND DIRECTION	RAIN	RAIN (OR DRIZZLE) AND SNOW	FREEZING RAIN (FREEZING DRIZZLE)	SNOW (OR RAIN) AND HAIL	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SNOW HAZE	BLOWING SNOW	BLOWING SAND AND DUST	N WEATHER
N	2.	1.2	1.1	.2	2.6			5.7		6.5		.2	61.5
NNE	1 .2	1.0	1.0		.7			3.1	.3	5.4		.3	75.9
NE	•				1.6			3.3		8.5			76.9
ENE	.1	.1	1.4					4.1		17.6			64.3
E	1.	4.1	1.4							21.6			71.3
ESE	•	3.7	1.9					3.7		5.6			81.5
SE	.3	.3						3.3		11.6			76.4
SSE	.2	2.2			2.2			2.2		15.2			76.1
S	5.	5.9						3.9		8.8			78.5
SSW	•	3.9						3.8		5.3			84.1
SW	•	4.5						3.0		6.1		1.5	81.8
WSW	•	2.6								12.8			82.1
W	.6									11.1			83.3
WNW	.7	7.7						7.7		7.7			68.7
NW	•	3.1						2.4					78.1
NNW	2.		.7		2.2			5.8		6.5			61.6
VARIABLE													
CALM	3.7	2.2						11.0	1.1	11.0			67.0
TOTAL	26.	47	16	1	23			90	2	169		3	1487
PERCENTAGE	17.5	2.2	.8	.0	1.2			4.3	.1	8.1		.1	70.9

TOTAL NUMBER OF OBSERVATIONS 2,098

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[redacted] SUGI, JAPAN — JANUARY 1973-DECEMBER 1982 — APRIL

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	2.5	3.1					.2	7.8		3.1			55.3
NNE	.0	4.2	.9						6.6		6.1			66.5
NE	.	3.	5.9						3.0		5.9			73.3
ENE	.								7.7		16.9			69.2
E	11.	1.3	1.3						1.3		8.8			76.3
ESE	.		3.0						6.1		3.0			84.8
SE	.	3.6	7.1								10.7			71.4
SSE	.	3.	1.5						3.0		6.1			77.3
S	.2	5.2	.2						3.2		2.7			81.6
SSW	.	5.1						1.2	2.0		2.0			92.4
SW	.	2.5						1.2	1.2		2.5			87.7
WSW	.	4.0									12.0			68.0
W	2.2										11.1			66.7
WNW	2.2	5.6												72.2
NW	14.								2.2		3.7			59.3
NNW	2.	2.4	1.2						3.5		3.5			56.5
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]						[illegible]		[illegible]			[illegible]
TOTAL	30.	69	30					5	109		87			1445
% TOTAL	.2	3.4	1.5					.2	5.4		4.3			71.3

TOTAL NUMBER OF OBSERVATIONS 2,035

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible], JAPAN — JANUARY 1973-DECEMBER 1982 — MAY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW PELLETS 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.	2.4	4.8					.3	14.1		5.3			58.4
NNE	.1	1.	3.6						16.6		5.9			63.3
NE	.8	.1	2.4						11.0		4.9			68.3
ENE	.6	2.6						2.6	5.3		18.4			57.9
E	.2	3.1							1.6					93.9
ESE	.2	4.7							2.3		11.6			74.4
SE	7.	2.6	2.6						2.6		13.2			71.1
SSE	.4	5.6	1.4						6.9		1.4			77.8
S	.6	2.3	.3						5.4		8.0			77.3
SSW	.2	2.5	.4						3.8		5.0			79.1
SW	15.3	2.	2.0						2.0					82.4
WSW	.3	6.3	8.3						16.7		8.3			58.2
W	.2	5.0						5.0	20.0		5.0			65.0
WNW	.2		5.0						15.3		5.0			60.0
NW	15.2	5.4	2.7						13.5		5.4			56.8
NNW	15.4	3.4	1.1						13.8		2.3			62.1
VARIABLE														
CALM	3.2	.7	2.0						20.3		5.2			68.7
TOTAL	22.	62	37					3	200		126			1456
% TOTAL	1.5	3.0	1.8					.1	9.6		6.0			69.8

TOTAL NUMBER OF OBSERVATIONS 2,088

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] JA AF | 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]	2.5	[illegible].2						12.6		3.3			41.6
NNE	[illegible]	3.6	6.7						13.4		4.1			53.6
NE	[illegible]	1.1	7.4					2.1	14.9		8.5			53.2
ENE	[illegible]	3.6	3.6					2.4	15.5		7.1			60.7
E	[illegible]	1.3	5.3						[illegible].7		2.7			76.[illegible]
ESE	2.[illegible]								11.9		4.8			81.[illegible]
SE	11.4	[illegible].6							11.4		5.7			62.9
SSE	[illegible]	1.6						1.6	10.6		12.1			68.[illegible]
S	[illegible]	5.1							9.5		9.8			69.2
SSW	[illegible]	[illegible].3							[illegible].1		3.6			80.0
SW	.7	4.2						1.4	[illegible].3		8.3			62.5
WSW	.3	15.8						5.3	15.8		15.8			52.6
W	[illegible].0		10.0						[illegible].0		10.0			30.0
WNW	.3	[illegible].3	8.3						[illegible].3		8.3			33.3
NW	.[illegible]	4.2	4.2					4.2	25.0					41.7
NNW	41.[illegible]	3.[illegible]	4.5					1.5	14.9					35.8
VARIABLE														
CALM	[illegible].7	[illegible].7							[illegible].7		[illegible].2			[illegible].[illegible]
TOTAL	[illegible]01	76	63					9	276		124			1212
% TOTAL	[illegible].[illegible]	3.7	3.1					.4	13.6		6.1			59.6

TOTAL NUMBER OF OBSERVATIONS 2,033

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-DECEMBER 1982 JULY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW PELLETS 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	23.	5.3	9.5						22.8		2.5			41.8
NNE	.5	4.8	4.8					.6	23.5		7.8			45.8
NE	1.	.7	1.1					1.1	15.2		9.8			52.2
ENE	1.	6.9	1.4					2.3	15.3		6.9			54.2
E	.3	2.7	1.1					2.2	14.3		8.8			63.7
ESE	.2	6.5							9.7		16.1			64.5
SE	2.	1.8							28.5		5.9			55.9
SSE	1.	3.3	1.7						15.3		13.3			60.0
S	.1	2.8	.5					.4	9.9		6.7			76.3
SSW	.1	2.9	.3					.6	5.8		4.2		.3	82.6
SW	1.	5.5							17.3		5.8			69.2
WSW	1.3	4.8							19.0		4.8			57.1
W	.0	13.3						13.3	33.3					13.3
WNW	.2	9.1						9.1	36.4					36.4
NW	.4		5.9					5.9	17.6					47.1
NNW	1.	4.5	6.8					4.5	29.5					31.8
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]		[illegible]			[illegible]
TOTAL	207	88	48					17	333		115		1	1306
PCT	10.0	4.2	2.3					.8	16.0		5.5		.0	62.9

TOTAL NUMBER OF OBSERVATIONS 2,076

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-DECEMBER 1982 AUGUST

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SNOW SHOWERS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	CEILING FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND DUST	NO WEATHER
N	1.4	7.0	4.2					.3	27.0		2.2			44.6
NNE	1.1	8.0	2.9					1.5	19.7		7.3			50.4
NE	.6	7.9	1.0					1.0	22.8		11.9			53.5
ENE	.3	.8							8.2		16.4			62.3
E	.4	.6						1.7	10.3		10.3			67.2
ESE	.2	.6									20.0			68.6
SE	.2	.3							16.7		16.7			54.2
SSE		.1							5.6		4.2			72.2
S	2.	6.						.6	7.6		7.4			76.0
SSW	2.	5.	.3					.6	3.6		6.4			81.5
SW	.6	1.4						1.4	5.6		4.2			84.5
WSW	4.	14.3							19.0		9.5			52.4
W								9.1	27.3		9.1			54.5
WNW	.7	6.7	6.7						13.3		6.7			46.7
NW	.3	3.7	4.3						30.4		8.7			43.5
NNW	1.1	6.3	3.1					1.6	39.1		3.1			35.9
VARIABLE														
CALM	.1	.5	.6						20.7		3.2			54.6
TOTAL	12	147	26					13	312		137			1339
% TOTAL	.2	7.1	1.2					.6	15.0		6.6			64.3

TOTAL NUMBER OF OBSERVATIONS 2,081

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SNOW SHOWERS SNOW PELLETS	SNOW RAIN SLEET PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.	4.	4.6					.5	15.4		4.4			50.6
NNE	.2	3.7	3.7						15.1		6.8			59.4
NE	.	3.	1.8						13.1		7.1			75.7
ENE	.	.1							7.8		4.7			76.7
E	.	.3						1.3	3.5		10.1			77.2
ESE	.7	4.3							7.2		13.0			78.3
SE	.	4.8							4.5		14.3			66.7
SSE	.2	15.2							4.3		2.2			76.1
S	1.	6.9						.4	6.1		1.1			80.8
SSW	1.	3.3							2.4		3.8			89.3
SW	.	12.3						2.1	12.6		6.4			61.7
WSW	4.5	7.1						4.5	5.1					72.7
W	1.										14.3			71.4
WNW	.7	25.8							5.3					57.8
NW	.	4.6							13.0		5.5			67.6
NNW	7.2	11.0	2.6						14.3		3.9			42.2
CALM	[illegible]	[illegible]	[illegible]						[illegible]		[illegible]			[illegible]
TOTAL	25.	114	44					7	247		104			1322
PCT	12.	5.5	2.1					.3	11.9		5.0			63.8

TOTAL NUMBER OF OBSERVATIONS 2,072

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-DECEMBER 1982 OCTOBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE PELLETS	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]	3.1	1.2						14.8		6.6			57.9
NNE	1.	1.4	1.1					.3	11.2		6.6			68.8
NE	[illegible]	.7							7.4		8.9			77.0
ENE	3.								5.3		7.0			84.2
E	[illegible].4	2.9							5.9		8.8			75.0
ESE	5.								2.9		8.6			82.9
SE											11.1			88.9
SSE	[illegible]	.2							6.5		6.5			77.4
S	3.	1.8						.9	4.5		7.1			83.0
SSW	[illegible]	.2							3.4		6.9			82.8
SW	[illegible]								2.0		5.9			56.3
WSW	.2	6.5							3.2		6.5			80.6
W									12.5		25.0			62.5
WNW									18.2					81.8
NW	2.							2.0	8.2		2.0			67.3
NNW	5.	2.7	1.1					.5	10.9		2.2			57.4
VAR AIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CALM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	27	91	16					4	237		141			1467
[illegible]	1.	2.3	.7					.2	10.9		6.5			67.3

TOTAL NUMBER OF OBSERVATIONS [illegible]1980

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1982 NUMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	SNOW	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW PELLETS ICE PELLETS	SN. & GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.2	1.1						1.7		10.7			59.4
NNE	.7	1.2							3.8		13.9			69.4
NE	.5	1.5							3.3		18.7			75.7
ENE	.2								6.7		20.0			70.0
E	.4								2.5		25.0			70.0
ESE	.4										13.0			73.9
SE									3.4		24.1			72.4
SSE									3.4		24.1			72.4
S	.2	2.0						1.0	6.3		14.0			73.0
SSW	.2	4.7							2.8		1.9			89.6
SW	.2	3.9							1.9		5.6			88.9
WSW	.5										10.0			80.0
W	.2								7.1					85.7
WNW	.4								21.4		7.1			71.4
NW	.4								12.5		12.5			64.6
NNW	1.1	2.9	1.0						5.8		6.9			61.8
VARIABLE														
CALM	5.6	1.8							20.8		12.8			60.0
TOTAL	276	32	11					1	191		253			1412
PCT.	11.1	1.5	.5					.0	9.0		11.9			66.3

TOTAL NUMBER OF OBSERVATIONS 2,129

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

[illegible] JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SNOW PELLET SHOWERS & CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.7	.7	.3			.4			5.1		16.3			75.1
NNE	2.0	1.2	.3						3.3		10.4			80.9
NE	1.	.8				.5			.8		15.8			81.2
ENE	2.	1.3							1.3		22.8			72.2
E		1.7							1.7		20.3			76.3
ESE						3.7			3.7		14.8			77.8
SE											9.5			90.5
SSE									2.9		8.8			88.2
S	.4								5.1		16.3			79.6
SSW	.1	2.1									7.4			89.5
SW		1.									11.9			86.6
WSW											2.5			95.0
W									10.0		3.3			86.7
WNW											12.1			84.8
NW	.4								5.3		15.9			74.6
NNW		1.6				1.6			6.9		14.4			68.6
VARIABLE														
CALM	.3	1.1							12.6		28.1			53.8
TOTAL	12	20	3			8			96		331			1609
% TOTAL	.3	.9	.1			.4			4.5		15.4			74.7

TOTAL NUMBER OF OBSERVATIONS 2,154

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1982 ALL

N	[illegible]	2.4	2.5	.0		.2		.1	11.0		6.6	.0	60.1
NNE	0.2	2.1	1.7			.5		.1	[illegible]	.1	[illegible]	.1	[illegible]
NE	.1	2.[illegible]	1.5			.5		.3	7.4		9.8		71.7
ENE	.6	2.7	.6			.1		.6	7.0		13.3		69.6
E	.[illegible]	3.2	.9					.5	4.6		10.6		[illegible]
ESE	[illegible]	2.8	.5			.5			4.0		10.9		77.8
SE	[illegible]	4.3	1.2						6.3		11.8		72.0
SSE	.5	5.2	.5			.4		.2	5.5		8.4		76.0
S	.[illegible]	4.3	.2					.2	[illegible]		7.1		77.6
SSW	[illegible]	4.2	.2			.3		.4	3.2		4.5	.0	83.5
SW	.[illegible]	3.2	.1					.3	4.2		5.1	.1	82.2
WSW	.1	4.5	.6			.7		.6	6.3		7.2		[illegible]
W	.[illegible]	1.[illegible]	.5					2.0	12.6		5.6		72.2
WNW	[illegible]	4.2	2.1			.5		.5	12.2		5.3		[illegible]
NW	11.[illegible]	1.8	1.1			.3		.7	11.0		6.4		[illegible]
NNW	[illegible]	3.0	1.3			.9		.3	[illegible]		5.[illegible]		[illegible]
VARIAB	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
CALM	[illegible]	1.5	.6			.1		.1	15.[illegible]	.1	9.2		[illegible]
TOTAL	[illegible]52	733	316	1		139		61	2205	2	1827	5	17305
PCT	15.3	2.9	1.3	.0		.4		.2	8.9	.0	7.3	.0	69.5

TOTAL NUMBER OF OBSERVATIONS 24,892

[illegible] 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)

STATION [illegible]SUGI, JAPAN STATION NAME [illegible]1-63, 66-71 YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	0	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 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		2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120							
JAN	7 .6	10.1	.5	4.1	2.2	4.1	3.4	3.8	1.1							19.3	558	1.76	3.93	.06
FEB	.6	10.6	2.4	4.3	4.1	6.3	4.9	4.3	.8							27.2	578	2.14	5.09	.40
MAR	4 .7	15.7	2.3	5.6	4.6	8.0	4.3	5.9	2.8	.2						35.3	527	3.91	6.75	1.77
APR	4 .6	11.4	4.5	7.1	4.1	8.2	8.4	6.5	4.1	.4						43.3	510	5.17	8.16	1.58
MAY	1 .2	7.9	2.1	5.7	4.1	7.9	7.3	7.5	5.0	.4						40.0	558	5.63	9.64	2.37
JUN	2 .4	14.3	2.4	4.9	5.7	9.8	8.3	6.5	6.1	.9	.2					49.3	540	7.60	15.59	2.44
JUL	3 .5	1 .2	3.1	6.7	5.1	7.3	5.7	6.6	5.5	.8						43.3	527	6.08	12.01	.99
AUG	4 .8	13.7	2.3	7.6	4.7	7.8	5.3	7.2	4.6	.4						39.1	527	5.43	12.60	2.25
SEP	1 .2	16.1	3.3	7.6	5.3	8.0	8.2	5.7	5.9	1.4	.2					45.7	510	7.28	14.17	.41
OCT	4 .8	13.1	2.9	6.5	4.9	9.3	5.5	8.9	3.8	.9						42.7	527	5.78	12.37	3.47
NOV	7 .9	9.8	4.1	5.5	3.9	7.8	4.5	4.1	2.0	.2						32.2	510	3.00	6.41	.58
DEC	12.1	9.9	.9	4.6	1.9	2.8	2.7	3.2	1.3	.6						18.0	527	2.42	8.7	.29
ANNUAL	51.2	12.6	2.6	6.4	4.2	7.2	5.8	5.8	3.6	.5	.0					36.2	6329	56.20		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] ATSUGI, JAPAN [illegible]1-63, 66-71
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 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].7	.4	.7				.7								1.[illegible]	558	1.4	10.9	.2
FEB	4.[illegible]	1 .3	.[illegible]	2.2	.4	.6	.[illegible]	.6	.2	.2						5.3	508	3.5	13.6	AC
MAR	[illegible].5	[illegible].2	.[illegible]	.6	.2	.2		.4	.2	.2						2.3	527	2.2	19.9	.1
APR	99.[illegible]	.1				.2										.2	510	.2	3.0	.1
MAY	100.0																558	.0	.0	.1
JUN	[illegible].1																540	.0	.0	.1
JUL	[illegible].0																527	.0	.0	.1
AUG	[illegible].1																527	.0	.0	.1
SEP	[illegible].1																510	.0	.0	.1
OCT	[illegible].1																496	.0	.0	.0
NOV	99.4	.6															510	TRACE	TRACE	.1
DEC	99.3	1.[illegible]															527	TRACE	TRACE	.1
ANNUAL	[illegible].9	.3	.1	.3	.[illegible]	.1	.[illegible]	.1	.[illegible]	.0						.8	6298	7.3		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION [illegible], JAPAN — STATION NAME — 62-63, 68-71 — YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02 .03	.04 .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]	1.[illegible]	.4	.6	.2	.2	.2								2.3	527			
FEB	[illegible]	.	1.[illegible]	.6	.2	.4	.4								3.3	479			
MAR	[illegible]	.2	1.2	.5			.1								2.1	434			
APR	[illegible]	.2														420			
MAY	[illegible]	.1														496			
JUN	[illegible]	.1														480			
JUL	[illegible]	.1														496			
AUG	[illegible]	.2														496			
SEP	[illegible]	.2														[illegible]			
OCT	[illegible]	.2														465			
NOV	[illegible]	.2														480			
DEC	[illegible]	.2														496			
ANNUAL	[illegible]	.2	.2	.1	.1	.1	.1								.1	5749			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(MONTHLY AND ANNUAL)

[illegible] ISUGI, JAPAN — STATION NAME — 51-63, 66-71 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]			1.[illegible]	1.49	2.0[illegible]	2.69	1.78	2.[illegible]4	2.21	1.50	.71	.71	
[illegible]	.78	.58	2.39	1.45	1.0[illegible]	3.42	2.62	.82	3.33	1.[illegible]7	1.58	.50	3.42
[illegible]	.48	.[illegible]			2.64	2.09	2.4[illegible]	.96	3.10	1.1[illegible]	.19	.67	
[illegible]	.[illegible]	.59	.32	2.67	2.03	2.06	.84	1.10	3.63	.61	1.86	1.3[illegible]	3.63
[illegible]	.62	1.13	1.[illegible]9	.48	2.37	1.11	1.17	4.21	1.5[illegible]	2.19	1.71	1.22	4.21
[illegible]	1.12	.44	2.[illegible]4	1.71	1.93	1.44	1.51	1.68	2.21	4.07	.65	.27	4.07
[illegible]	.17	1.72	1.[illegible]0	1.09	2.33	4.12	1.55	1.13	2.43	3.13	.48	1.78	4.12
[illegible]	.60	1.42	.62	.47	.42	.99	2.84	2.[illegible]6	7.25	1.7[illegible]	.95	1.40	7.25
[illegible]	1.01	.9[illegible]	1.01	2.82	1.32	.86	.7[illegible]	2.41	4.25	2.6[illegible]	1.63	3.25	4.25
[illegible]	1.[illegible]1	.1[illegible]	1.1[illegible]	1.78	1.41	1.33	2.16	1.76	.89	1.27	.81	.72	2.16
[illegible]	.39	.34	1.26	2.39	.61	4.68	.69	.87	2.81	1.4[illegible]	1.39	.7[illegible]	4.[illegible]8
[illegible]	.34	.27	.47	1.75	1.27	2.09	2.09	.80	.30	1.33	2.69	2.93	2.93
[illegible]	.03[illegible]	.56											
[illegible]6	.62	1.93	.85	1.03	1.87	6.80	1.93	1.10	1.93	1.52	.32	.25	6.80
[illegible]7	.97	.31	.6[illegible]	1.47	1.11	1.07	.78	.8[illegible]	1.29	1.34	.51	.64	1.47
[illegible]	.50	1.00	1.62	.90	1.87	2.35	3.21	3.00	.80	1.26	.67	3.00	3.21
[illegible]	1.02	.8[illegible]	2.9[illegible]	1.63	1.32	1.85	2.23	1.63	2.39	2.81	1.92	.87	2.93
[illegible]	1.[illegible]1	.6[illegible]	1.30	1.16	2.06	4.23	2.99	1.35	1.24	.77	1.56	1.12	4.23
71	.91	.64	1.2[illegible]	1.83	.96	1.54							
MEAN	.71	.80	1.32	1.5[illegible]	1.64	2.61	1.90	1.63	2.43	1.75	1.21	1.25	4.10
S.D.	.36[illegible]	.49[illegible]	.66[illegible]	.66[illegible]	.78[illegible]	1.955	.936	.915	1.637	.919	.676	.959	1.863
TOTAL OBS	55[illegible]	50[illegible]	52[illegible]	51[illegible]	55[illegible]	540	52[illegible]	527	510	52[illegible]	510	527	6329

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
FROM DAILY OBSERVATIONS

[illegible] ATSUGI, JAPAN 51-63, 66-71
STATION STATION NAME 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
[illegible]			.77 30	1.42 29									PRECIP DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SNOWFALL
FROM DAILY OBSERVATIONS

3[illegible] ITSUCI, JAPAN — STATION NAME
51-63, 66-71 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]			TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	
[illegible]	TRACE	4.8	5.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.0
[illegible]	.0	8.4			.0	.0	.0	.0	.0	.0	.0	TRACE	
68	5.8	5.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8
65	TRACE	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
64	6.0	2.0	TRACE	TRACE	.0	.0	.0	.0	.0		TRACE	.0	
67	TRACE	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
66	TRACE	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
70	5.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.3
[illegible]	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
62	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
63	TRACE	TRACE											
66	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
67	TRACE	5.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	5.1
66	TRACE	10.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5
69	TRACE	4.3	11.6	3.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6
70	TRACE	2.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
71	1.0	.9	TRACE	.0	.0	.0							
MEAN	1.12	2.56	1.52	.18	.00	.00	.00	.00	.00	.00	TRACE	TRACE	3.49
S D	2.172	3.141	3.043	.724	.000	.000	.000	.000	.000	.000	.000	.000	3.887
TOTAL OBS	558	504	527	510	558	540	527	527	510	496	510	527	6298

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SNOWFALL
FROM DAILY OBSERVATIONS

3 ATSUGI, JAPAN 51-63, 66-71
STATION STATION NAME 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
[illegible]			.9	.0									SNOFALL DAYS
[illegible]										.7			SNOFALL DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
FROM DAILY OBSERVATIONS

[illegible] MISUGI, JAPAN — 62-63, 66-71
STATION — STATION NAME — YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
[illegible]	TRACE	4											
4	9												
[illegible]			1										1
5[illegible]		1		TRACE									
[illegible]													
[illegible]	TRACE	TRACE	1										1
[illegible]		1											5
[illegible]		TRACE										TRACE	TRACE
1	TRACE		1										1
2													0
[illegible]													
5													0
67													7
68		10											10
[illegible]													5
[illegible]			1										2
71	TRACE												
MEAN	1.1	1.5	.9	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	.2
S D	2.619	2.899	2.107	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.656
TOTAL OBS	527	479	434	420	496	480	496	496	480	465	480	496	5749

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
FROM DAILY OBSERVATIONS

3' STATION | STEUBEN, JAPAN STATION NAME | '62-63, 66-71 YEARS

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
'71				0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
'[illegible]	[illegible]	0	0	0	0	0							SNO DPTH DAYS
'[illegible]			TRACE TO	0 29									SNO DPTH DAYS
'[illegible]			TRACE TO										SNO DPTH DAYS
'[illegible]										M T0			SNO DPTH DAYS
'[illegible]				T 29									SNO DPTH DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

PART C SURFACE WINDS

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

a. 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."

b. 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

c. 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)

??? ITSUGI, JAPAN 51-63, 66-71
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1										SSW 37	SSW 37	SSW 46	
52	NW 39	NNW 32	S 56	51	SSW 47	NW 58	S 37	SSE 32	SSW 39		N 42	N 32	
53					N 43	S 40	S 32	NNE 36	S 54	N 28	SSW 30	SW 36	
54	NW 31	SSW 31	N 32	S 40	NW 46	NW 30	S 26	S 47	S 56	NW 29	NW 55	SW 41	S 56
55	SW 38	NW 57	ESE 49	SSW 38	S 32	S 35	S 33	N 39	S 37	N 42	SSW 41	N 41	NW 52
56	W 36	S 36	SW 40	SW 49	SW 49	SW 30	NNE 22	S 46	N 48	S 38	NNE 29	SW 32	W 48
57	SSW 45	N 35	N 47	SW 48	SSW 49	N 36	SSW 31	SSW 35	SW 38	N 35	N 38	SW 45	SSW 49
58	S 51	N 42	NW 34	SSW 43	SSW 39	SSW 28	S 68	SSW 46	N 61	SW 33	SSW 32	SSW 41	S 68
59	NW 32	NW 31	SSW 40	SE 42	S 37	N 28	SSE 30	SSE 47	SSW 80	N 36	SSW 33	SSW 34	SSW 80
60	WSW 36	NW 30	S 41	SSW 39	SW 37	SW 50	SW 30	SSW 35	SW 28	N 32	N 26	N 38	SW 50
61	SSW 28	NNE 30	NNE 31	SE 44	SSW 43	S 38	SSW 29	SSW 26	S 59	NW 46	SSW 38	N 34	S 59
62	NW 28	SSW 37	SSW 38	S 42	29	SW 32	SSW 35	SSE 38	SSW 35	NW 26	SSW 27	SSW 31	S 42
63	SW 39	SSW 38											
66	NW 29	S	W 43	SSE 37	SSW 31	SSW 38	N 40	S 35	S 27	SSE 67	ENE 25	S 37	NNE 39	SSE 67
67	W 41	SSW 38	SSW 39	SSW 51	SSW 31	S 30	SSE 32	SSW 26	N 40	S 42	SSW 29	SW 34	SSW 51
68	SW 34	NW 41	SSW 40	SSW 38	N 30	SW 35	SSW 26	SSW 52	NW 23	NW 29	SSW 32	SSE 35	SSW 52
69	SW 32	N 32	NW 45	SSW 51	SSW 39	S 49	SSW 36	S 52	NNE 31	NE 28	N 29	SSW 36	S 52
70	SE 46	SSW 33	NW 30	SW 43	SSW 35	N 28	SSW 32	S 38	S 32	S 33	NW 42	SSW 38	SE 46
71	NW 38	36	29	21	39	21	41	29	37	21	30		
MEAN	34.4	35.8	38.8	42.8	38.4	36.3	33.4	38.6	45.5	30.4	34.9	36.1	45.1
S D	6.653	6.057	6.658	5.833	6.408	9.795	10.052	8.795	15.875	7.830	7.296	5.127	10.220
TOTAL OBS	526	479	495	479	527	510	496	496	473	495	508	527	6011

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MISAWA, JAPAN STATION NAME | 61-63, 66-71 YEARS

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

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61			0	0	0	0	0	0	SSW 1[illegible] 2				WINDS DAYS
62										N 6[illegible] 27			WINDS DAYS
63	SW 42 15	0	0	SSW 63 10									WINDS DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 7-9 MONTH _____

CLASS _____ HOURS (L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	2•	•	2•1								6•	5•7
NNE	•	7•7	4•	3•								2•4	6•-
NE	•		•	•								••	4•2
ENE	•	•										1•-	3•5
E													
ESE													
SE													
SSE													
S	•	•		•								2•1	•7
SSW		•										•7	6•
SW		1•										1•	5•
WSW			•	•								1•-	10•0
W	1•		•									•1	3•7
WNW													
NW		•										•7	4•-
NNW	7•	2•-	•									2•	••
VARBL													
CALM												1•7	
	•1•1	3•3	1•9	7•7								100•-	4•-

TOTAL NUMBER OF OBSERVATIONS 1•2

SMOS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1 .	1 .	.	.								5 . 4
NNE	.	.	.	1 .									5 .
NE		.	1 .	.								3 . 1	. 5
ENE	.	.	.									1 . 2	. 0
E	.	.										.	3 .
ESE													
SE													
SSE													
S	.											.	2 .
SSW			.	.								.	11 .
SW				1 .								1 .	12 . 3
WSW	.	.	.	.								. 3	5 . 2
W	.	.										1 . 2	4 . 3
WNW	.	.										1 .	3 .
NW	1 .	1 .	.									. 1	3 .
NNW	. 1	.	. 1	.	.							1 . 2	5 .
VARBL													
CALM												1 .	
	1 .	1 .	2 .	. 9	.							1 .	. 4

TOTAL NUMBER OF OBSERVATIONS 2

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

CLASS ALL WEATHER HOURS G.M.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	•	10.6	17.	4.6								34.2	6.9
NNE	•	4.	5.6	7.6								16.4	6.9
NE	•	•	3.4	•								5.	6.9
ENE	•	•	•	•								3.	6.6
E	•											1.1	2.3
ESE	•											•	2.0
SE	•											•	1.
SSE	•											•	2.
S	1.	•	1.1									3.	4.8
SSW	•			•								1.1	6.3
SW	•		•	2.2								3.	10.6
WSW		•	•	•								1.	10.3
W	•	•										1.1	3.3
WNW													
NW	1.	1.1	•	•								4.	3.6
NNW	1.	7.7	4.	1.1								11.2	5.7
VARBL													
CALM												12.3	
	2	24.	28.	13.8								100.	5.8

TOTAL NUMBER OF OBSERVATIONS 269

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 7?- JAN. MONTH

ALL WEATHER CLASS 12 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	3.6	3.8	.4							11.1	10.4
NNE	.8	4.0	3.7	2.3								10.2	7.8
NE	1.0	3.0	3.4	1.1								9.0	6.3
ENE	1.0	2.7	1.1	.4								5.6	5.3
E	.8	1.9	.4									3.0	4.5
ESE	1.0	1.1										2.1	3.3
SE	.8	1.9										2.8	4.3
SSE	1.0	1.0	.4									4.1	4.4
S	3.4	4.0	.8	2.3	.4	.4						11.3	6.7
SSW	.8	1.1	3.4	3.0	.4							8.6	9.8
SW		1.1	.8	2.3	.8							4.5	12.5
WSW	.8		.8	.4								1.5	7.8
W	.4		1.1									1.5	6.5
WNW				.4								.4	13.5
NW		.4		.4								.8	8.5
NNW	1.1	.4	1.5	1.1	.4							4.5	9.3
VARBL													
CALM												2.3	
	14.3	27.8	24.7	23.3	2.3	.4						100.7	7.8

TOTAL NUMBER OF OBSERVATIONS 246

2

SURFACE WINDS

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

STATION [illegible] STATION NAME [illegible] YEARS JAN 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	•	•	•	4.7	2.5	1.4						10.[illegible]	11.7
NNE	•	•	•	3.1	.4							14.[illegible]	.[illegible]
NE	•	•	4.	1.4								.[illegible]	7.3
ENE	•	1.[illegible]	•									4.[illegible]	6.5
E	•	4.										.[illegible]	3.9
ESE	•	•	1.1									3.[illegible]	6.[illegible]
SE	.1	1.1	1.1	.4								[illegible]	6.3
SSE	.[illegible]	[illegible]	[illegible]	.4								[illegible]	[illegible].1
S	1.	4.	•	.2								17.[illegible]	8.[illegible]
SSW		•	1.1	1.4	1.1	.7						[illegible]	17.6
SW	•		•	1.	3.2							[illegible]	14.7
WSW	•		1.1	•		.[illegible]						[illegible]	11.[illegible]
W			•	.4								•	9.[illegible]
WNW			•									.4	[illegible]
NW	•											.[illegible]	3.0
NNW		•	1.1	1.1								2.	[illegible].0
VARBL													
CALM												1.	
	.[illegible]	.2	3[illegible].	1[illegible].7	7.[illegible]	2.[illegible]						1[illegible].[illegible]	.6

TOTAL NUMBER OF OBSERVATIONS [illegible]7

SMOS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

CLASS | HOURS L.S.T.

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

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	7.1	11.1	1.7	4.5	.4	.4						30.6	6.8
NNE	2.	7.7	.1	.9	.4							13.	6.
NE	.	.										1.2	4.0
ENE	.	.										1.	2.8
E													
ESE	.2		.									1.	3.3
SE		.										.9	6.
SSE	.	.										1.	3.5
S	.2	.4			.4							2.	5.6
SSW	.	.4		.								1.	8.
SW		.	1.	2.								4.1	10.2
WSW		.	.6	.6								2.3	7.6
W		.										.	5.
WNW	1.2	.4										1.6	2.5
NW	.7	1.7	.4		.4							3.4	4.9
NNW	.3	5.7	1.7			.4						13.1	6.
VARBL													
CALM												4.6	
	22.	2.0	2.4	2.0	1.6	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 244

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

CLASS ALL 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	4.	1	1			.3						1.4	7.4
NNE				2.4								1	7.2
NE		2											6.2
ENE		1.											5.1
E													3.7
ESE												1.	4.
SE				.1								1.	4.4
SSE				.1									4.7
S	1.	1.	1.	1.	.1	.1							7.1
SSW				1.	.2	.1							11.1
SW				1.	.7								11.7
WSW				.6		.1							
W		.4	.4	.2								1.	5.1
WNW				.1									4.7
NW	1.	.1		.1	.1								4.3
NNW		1.	2.		.2	.1							6.6
VARBL													
CALM													
	1 .7	2	2 .6	13.8	2.1	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1882

2

SURFACE WINDS

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

STATION | STATION NAME | 77-8[illegible] YEARS | FEB MONTH

ALL WEATHER CLASS | 00 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]	12.[illegible]	15.6	2.[illegible]								[illegible].[illegible]	6.2
NNE	.	[illegible].[illegible]	12.[illegible]	4.1								[illegible].0	7.5
NE	.	.	.	.[illegible]								[illegible].[illegible]	6.5
ENE	.	.										1.[illegible]	3.0
E													
ESE													
SE		.										.[illegible]	6.0
SSE	.											.[illegible]	3.[illegible]
S													
SSW	.											.[illegible]	3.5
SW		.	.	.[illegible]								2.5	[illegible].7
WSW													
W	.0	1.[illegible]										4.1	3.5
WNW													
NW	1.0	1.[illegible]										3.3	3.3
NNW	1.[illegible]	5.[illegible]	1.[illegible]	1.[illegible]								10.[illegible]	6.2
VARBL													
CALM												[illegible].4	
	1[illegible].[illegible]	34.4	31.1	[illegible].[illegible]								100.0	5.[illegible]

TOTAL NUMBER OF OBSERVATIONS 1[illegible]2

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 17-[illegible] MONTH FEB

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	.7	17.7	1[illegible].[illegible]	1.6								44.4	5.5
NNE	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	2.4								16.[illegible]	6.9
NE	.	.	.[illegible]									[illegible].2	5.5
ENE				.								.[illegible]	13.[illegible]
E	.											.[illegible]	2.[illegible]
ESE													
SE													
SSE													
S													
SSW	.		.	.[illegible]								2.4	[illegible].[illegible]
SW			.	1.[illegible]								2.4	12.3
WSW			.									.[illegible]	10.[illegible]
W													
WNW		.										.[illegible]	6.[illegible]
NW	.	[illegible].2	.	.[illegible]								5.6	5.3
NNW	[illegible].[illegible]	4.[illegible]	[illegible].6									12.[illegible]	5.8
VARBL													
CALM												[illegible].9	
	17.7	33.[illegible]	31.[illegible]	[illegible].1								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 174

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS FEB MONTH

ALL WEATHER CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	15.2	5.6								57.8	5.1
NNE	2.-	6.	2.4	2.4	.4							14.3	6.4
NE	.2		1.4	.4								3.2	6.1
ENE													
E	.											.8	2.0
ESE													
SE	.-											.4	1.0
SSE													
S	.-	.-	.-	.4								2.-	7.0
SSW				.		.4						1.2	15.3
SW				.			.4					1.2	12.7
WSW	.-	.2										.6	4.0
W		.										.4	4.0
WNW		.										.4	4.0
NW	1.2	1.2	.4									2.8	4.4
NNW	2.2	4.	2.4	.4								10.0	5.7
VARBL													
CALM												5.6	
	17.	4.8	21.0	10.-	.4	.4	.4					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 251

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

CLASS ALL WEATHER HOURS (L S T) 03

CONDITION _____

SPEED (KNTS) DIR	1 - 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]	11.	1[illegible].[illegible]	11.[illegible]	.8							46.[illegible]	8.4
NNE	[illegible]	[illegible]	[illegible]	2.[illegible]								18.1	6.9
NE	[illegible]	7.1	[illegible]	.4								5.3	5.8
ENE	[illegible]	[illegible]										1.[illegible]	3.0
E	[illegible]											.4	2.0
ESE	[illegible]											.4	2.0
SE	[illegible]											.4	3.0
SSE		[illegible]				[illegible]						.[illegible]	15.0
S	[illegible]	[illegible]	[illegible]									2.[illegible]	5.3
SSW	[illegible]	[illegible]		.4								1.[illegible]	6.3
SW	[illegible]		[illegible]	[illegible]								2.1	9.0
WSW													
W	[illegible]			.4								.[illegible]	6.5
WNW	[illegible]	[illegible]										.[illegible]	4.0
NW	[illegible]	1.[illegible]	1.									3.[illegible]	6.2
NNW	[illegible]	[illegible]	2.	1.2								8.6	7.1
VARBL													
CALM												6.[illegible]	
	1 .[illegible]	2 .[illegible]	32.[illegible]	17.7	.8	.4						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 243

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

CLASS ALL WEATHER HOURS (L S T) 12

CONDITION _____

SPEED (KNTS) DIR.	1 - 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.	4.8	8.[illegible]	.8							21.[illegible]	9.6
NNE	.1	5.[illegible]	5.[illegible]	6.3	.4							20.2	8.4
NE	.	4.[illegible]	1.3	1.3								7.6	6.8
ENE	1.[illegible]	2.[illegible]	1.3									5.[illegible]	5.5
E	.1	1.[illegible]	.4									4.[illegible]	4.1
ESE	.	1.7										2.[illegible]	4.2
SE	1.	.4										1.7	2.[illegible]
SSE	.[illegible]	.	1.3									2.[illegible]	6.0
S	.1	3.4	7.[illegible]	.8								13.[illegible]	7.1
SSW	.	2.1	1.[illegible]	2.1	2.1	.4						8.4	11.2
SW		.		.[illegible]	.4							2.1	11.[illegible]
WSW		.		.[illegible]								1.[illegible]	10.0
W			.									.4	12.0
WNW		.		.4								.	9.0
NW		.[illegible]	.	.								1.7	13.5
NNW		.	.[illegible]	1.[illegible]	.4							2.[illegible]	12.2
VARBL													
CALM												2.[illegible]	
	11.	2[illegible].6	2[illegible].8	22.7	4.2	.4						1[illegible]0.2	[illegible].0

TOTAL NUMBER OF OBSERVATIONS 238

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

CLASS ALL WEATHER HOURS (L.S.T.) 1[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	•	1.2	[illegible]	4.1	[illegible]							14.[illegible]	10.9
NNE	•	1.[illegible]	[illegible]	2.4	.4							6.9	9.[illegible]
NE	•	[illegible]	[illegible]	1.[illegible]								[illegible]	8.3
ENE	•	1.	[illegible]									4.[illegible]	6.[illegible]
E	•	[illegible]	1.[illegible]	.4								[illegible]	6.7
ESE	.[illegible]	[illegible]	1.[illegible]									4.5	5.2
SE	•	[illegible]	[illegible]	.4								[illegible]	7.1
SSE	•	[illegible]	[illegible]									[illegible]	6.1
S	.[illegible]	[illegible].1	11.4	4.1	1.2							22.[illegible]	[illegible].7
SSW	•	.[illegible]	[illegible].7	[illegible]	.4	.[illegible]						7.7	11.[illegible]
SW		•	•	1.2	1.2							3.[illegible]	13.6
WSW		•	•		.4							1.[illegible]	10.5
W		•	.4									1.2	[illegible].[illegible]
WNW			.[illegible]									.4	1.0
NW			•	.4	.4							1.2	13.[illegible]
NNW		•	1.2	1.2	.4							3.7	10.6
VARBL													
CALM												[illegible].[illegible]	
	[illegible].3	22.[illegible]	42.7	17.9	[illegible].5	.[illegible]						1[illegible].0	8.7

TOTAL NUMBER OF OBSERVATIONS 246

SMOS

1/2

SURFACE WINDS

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

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

CLASS ALL WEATHER HOURS (L.S.T.) 1[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]								24.4	[illegible]
NNE	•	[illegible]	[illegible]	[illegible]								14.1	[illegible]
NE		•	[illegible]	1.								[illegible]	7.9
ENE	•	1.	•									3.1	4.6
E	•	[illegible]	1.									4.	5.2
ESE	•	•	•									1.	5.5
SE	•	•										[illegible]	3.2
SSE	•	•										3.1	3.1
S	•	[illegible]	1.	1.								11.	[illegible]
SSW	•	[illegible]	1.	1.1								6.	5.9
SW	•	1.	•	2.7		•						6.	8.7
WSW	•		•	1.								2.3	10.8
W		•										•	6.5
WNW	•	•		•								1.	5.8
NW		•	•									1.	5.2
NNW	•	•	•	1.1	•	•						3.4	11.1
VARBL													
CALM												5.	
	1[illegible]	[illegible]	[illegible]	23.3	•	•						1[illegible]	7.1

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

CLASS ALL WEATHER HOURS (L S T) 01

CONDITION _____

SPEED (KNTS) DIR.	1 - 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	11.7	11.2	1.3	.4							26.3	8.3
NNE	1.7	1.1	.9	2.1	.4							6.1	7.6
NE		.9	.9	.4								3.1	8.2
ENE	.7	2.7										3.4	4.9
E		.9										.4	5.0
ESE			.9									.4	3.0
SE													
SSE	1.3											1.3	1.3
S	.7			.9								1.3	3.7
SSW	.9	.4	.4	.9	.4		.4					3.1	12.7
SW	.7	.9	2.2	.4	.4							5.0	6.9
WSW		.9	.4	.9								2.2	6.8
W	.9		.9									1.3	3.3
WNW	.4	.7	.4									1.3	4.5
NW	1.3	1.3		.4								3.1	4.4
NNW	.5	4.5	1.3	.4								11.2	4.9
VARBL													
CALM												5.4	
	1.6	31.7	27.2	17.9	1.8		.4					100.2	7.0

TOTAL NUMBER OF OBSERVATIONS 224

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: FEB

CLASS: ALL CLIMATE | 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	[illegible]	11.[illegible]	12.[illegible]	[illegible]	.[illegible]							[illegible].[illegible]	7.7
NNE	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	.2							16.7	7.6
NE	.[illegible]	1.[illegible]	.[illegible]	.[illegible]								[illegible].1	7.1
ENE	.[illegible]	1.[illegible]	.[illegible]	.1								2.[illegible]	.3
E	.[illegible]	.[illegible]	.[illegible]	.1								3.3	5.1
ESE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	5.[illegible]
SE	.[illegible]	.[illegible]	.[illegible]	.1								1.[illegible]	5.[illegible]
SSE	.[illegible]	.[illegible]	.[illegible]			.1						[illegible].[illegible]	5.4
S	1.[illegible]	1.[illegible]	[illegible].[illegible]	1.1	.2							7.[illegible]	7.3
SSW	.[illegible]	.[illegible]	1.[illegible]	1.1	.4	.[illegible]	.1					4.4	[illegible].9
SW	.[illegible]	.[illegible]	.[illegible]	1.2	.3	.1	.1					3.4	9.8
WSW	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.1							1.2	9.5
W	.[illegible]	.[illegible]	.[illegible]	.1								.[illegible]	8.[illegible]
WNW	.[illegible]	.[illegible]	.1	.1								.[illegible]	5.8
NW	.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.1							2.[illegible]	6.[illegible]
NNW	1.[illegible]	[illegible].[illegible]	1.[illegible]	.[illegible]	.2	.1						[illegible].3	6.9
VARBL													
CALM												[illegible].1	
	1.[illegible]	30.[illegible]	30.[illegible]	17.0	2.0	.[illegible]	.1					1 0.[illegible]	7.0

TOTAL NUMBER OF OBSERVATIONS 1710

SURFACE WINDS

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

STATION [illegible] STATION NAME [illegible] YEARS 7-0 MONTH JA

CLASS ALL WEATHER HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.[illegible]	15.0	14.[illegible]	4.5	.[illegible]							45.1	6.3
NNE	.	[illegible].[illegible]	[illegible].[illegible]	1.[illegible]								15.[illegible]	7.[illegible]
NE		.	[illegible].	.[illegible]								[illegible].[illegible]	8.1
ENE	.	1.										.3	4.7
E		.										.	4.[illegible]
ESE	.	.										1.[illegible]	3.[illegible]
SE	.				.[illegible]							1.[illegible]	10.0
SSE													
S	.		1.									4.5	4.8
SSW		.		1.[illegible]								[illegible].[illegible]	[illegible].7
SW			1.[illegible]	.[illegible]	.	.[illegible]						3.[illegible]	14.4
WSW	.											.[illegible]	2.[illegible]
W		.		.								1.5	[illegible].5
WNW	.	1.										[illegible].3	4.[illegible]
NW		.										.[illegible]	[illegible].[illegible]
NNW	1.	[illegible].[illegible]	1.	1.[illegible]								[illegible].3	[illegible].5
VARBL													
CALM												3.[illegible]	
	1.	33.1	2[illegible].3	11.3	2.3	.[illegible]						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1[illegible]3

SMOS

2

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

10
2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL DATA

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	13.	15.	9.7	.7	.7						7.2	7.2
NNE	.5	2.1	4.1	.7								5.3	5.1
NE	.2	1.	1.									2.1	4.6
ENE	1.											2.1	4.5
E		.5										.5	4.5
ESE		.5										.5	5.
SE	.5					.7						.7	12.5
SSE	.5	.7										.7	3.0
S				.5				.7				.7	23.0
SSW		.5		1.0	.7							2.7	13.1
SW		.5	.5									1.	5.7
WSW	.5					.5						.7	17.0
W	.5		.5									.7	6.0
WNW	.5	.5		.5								1.	7.3
NW	1.	.5		.5								4.1	4.6
NNW	.5	4.1	2.7	1.7								11.2	7.2
VARBL													
CALM												.5	
	1.9	32.0	29.5	13.7	1.	1.		.7				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 291

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER

HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	.5	21.5	9.	1.4							39.6	9.1
NNE	1.	5.2	5.4	5.2								21.2	7.1
NE	1.2	4.	.2	1.4								7.	6.2
ENE	1.	.	.	.4								3.	5.3
E	.1	1.1	.4									2.	3.5
ESE	.		.									1.1	3.7
SE	.1	.4										1.4	2.3
SSE	.1	.4	.4									1.	3.6
S	.1	.4	.7		1.1							3.2	9.8
SSW	.	.	1.1	.4		.2						2.	11.9
SW				.4	.4							.7	14.5
WSW			.		.4							.7	13.0
W	.			.4								1.1	5.0
WNW					.4							.4	21.0
NW		.										.4	6.5
NNW	.2	.7	1.	2.2	.7							5.4	10.6
VARBL													
CALM												5.	
	12.	12.2	38.1	19.1	4.3	.2						100.2	7.9

TOTAL NUMBER OF OBSERVATIONS 276

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	ATSUGI, JAPAN	[illegible]	MAR

CLASS: ALL WEATHER — HOURS (L.S.T.): 1[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	1.1	3.7	5.3	5.6	1.5	.7						21.0	10.3
NNE	.4	5.6	7.1	6.0	.7							19.9	9.2
NE	.	1.4	2.	.7								7.1	6.9
ENE	.	3.4	1.									6.0	5.6
E	1.1	3.	1.1									6.0	5.3
ESE	.	.7	1.									2.6	6.3
SE	.	1.	.									2.	5.6
SSE	.	2.4		.4								4.1	5.5
S	1.1	3.	3.7	3.	.7	1.1						13.5	9.6
SSW	.	1.1	1.	3.0	.7	.4						7.1	11.9
SW	.	.4		.4	.4	.4		.4				2.2	16.2
WSW			.			.4						1.1	12.0
W			.									.4	6.0
WNW	.											.4	3.0
NW	.				.4							.7	10.5
NNW	.		.		.	.4						3.3	13.2
VARBL													
CALM												7.3	
	.2	30.7	30.2	17.1	5.2	3.4		.4				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 267

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH MAR

CLASS ALL WEATHER HOURS (LST) 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	.7	1.[illegible]	5.[illegible]	4.3	.7							13.3	9.6
NNE	.[illegible]	2.2	2.[illegible]	2.5	.7	.4						8.[illegible]	10.6
NE	.7	2.[illegible]	1.4	1.4								6.1	6.8
ENE	.7	1.1	1.									3.[illegible]	6.5
E	.[illegible]	1.1	3.[illegible]									[illegible]	6.5
ESE	.[illegible]	2.[illegible]	2.[illegible]	.4								5.[illegible]	6.6
SE	1.[illegible]	1.1	2.[illegible]									[illegible]	5.8
SSE	.[illegible]	2.[illegible]	2.[illegible]	1.1								6.5	7.9
S	.[illegible]	3.2	7.[illegible]	9.4	1.[illegible]	.4						23.[illegible]	10.8
SSW	.[illegible]	1.1	4.[illegible]	4.[illegible]	.7	.7						11.2	11.5
SW		1.1	.[illegible]	.7	.7	1.1						4.3	14.2
WSW	.[illegible]	.7	1.1	.7								2.9	7.0
W			.									.[illegible]	10.0
WNW	.[illegible]											.4	3.0
NW	.[illegible]			.7	.4							1.[illegible]	12.3
NNW	.[illegible]	.7	.4	.7	.4							2.[illegible]	9.4
VARBL													
CALM												.	
	[illegible]	21.[illegible]	37.1	25.9	[illegible].4	2.[illegible]						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 27[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

SURFACE WINDS

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

STATION: [illegible], GA — STATION NAME — YEARS: 73-84 — MONTH: MAR

CLASS: ALL WEATHER — HOURS (LST): 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	.[illegible]	[illegible]	[illegible]	[illegible]	.7							15.[illegible]	9.1
NNE	.	1.[illegible]	[illegible]	[illegible]	.[illegible]							9.8	9.9
NE	.	[illegible]	1.[illegible]	1.7	.3							5.3	8.3
ENE	.	1.[illegible]	1.[illegible]	.[illegible]								4.2	6.9
E	.	[illegible]	.7	.[illegible]								4.[illegible]	6.[illegible]
ESE	1.[illegible]	[illegible]	.[illegible]									[illegible]	4.9
SE	.	.[illegible]										1.4	4.3
SSE	.[illegible]	.[illegible]	.[illegible]									1.[illegible]	4.6
S	[illegible].1	[illegible]	[illegible]	1.[illegible]	1.[illegible]	.[illegible]						19.[illegible]	7.7
SSW	.	4.[illegible]	4.[illegible]	1.[illegible]	.[illegible]							11.[illegible]	7.9
SW	.1	[illegible].1	[illegible].	1.4								[illegible].4	7.[illegible]
WSW	1.[illegible]	.[illegible]	1.	.[illegible]								3.[illegible]	6.7
W		.		.[illegible]								.[illegible]	[illegible].5
WNW		.[illegible]		.[illegible]								.[illegible]	8.[illegible]
NW		.										.[illegible]	4.[illegible]
NNW	.[illegible]	1.	1.[illegible]	.7								4.[illegible]	7.5
VARBL													
CALM												[illegible].1	
	.1[illegible]	34.[illegible]	31.4	17.1	[illegible].8	.3						1[illegible].[illegible]	7.6

TOTAL NUMBER OF OBSERVATIONS [illegible]97

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION [illegible] STATION NAME 7?-?? YEARS MAR 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 -	≥56	%	MEAN WIND SPEED
N	2.2	7.4	13.[illegible]	3.7	1.1							28.3	[illegible].1
NNE	1.[illegible]	7.[illegible]	4.[illegible]	5.2								14.5	8.5
NE		1.1	3.[illegible]	.7	.4							[illegible].2	8.6
ENE	1.1	1.[illegible]	1.[illegible]									4.[illegible]	5.9
E	1.1	2.[illegible]	2.2									5.[illegible]	[illegible].4
ESE	1.[illegible]	1.[illegible]										3.0	3.5
SE	.[illegible]	2.2	.4									[illegible].0	4.[illegible]
SSE	.7	.7										1.[illegible]	3.3
S	.4	1.[illegible]	2.[illegible]	.4	.4							5.2	7.7
SSW	1.[illegible]	1.1	1.[illegible]	.7	.4							5.6	7.4
SW	.4	1.5	1.1	.4		.4						3.7	8.7
WSW	.7	1.1	.[illegible]	.4								3.0	5.9
W	.4	.7	.[illegible]									1.[illegible]	4.5
WNW	.4		.4									.7	5.0
NW		.4	.4	.4								1.1	6.0
NNW	1.[illegible]	3.[illegible]	1.1	.7	.4							7.4	6.7
VARBL													
CALM												5.6	
	1[illegible].[illegible]	30.9	34.2	12.6	2.6	.4						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 269

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

[illegible], JAPAN — 73-81 — MAY

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	[illegible]	[illegible]	12.3	[illegible].1	.9	.2						31.1	[illegible].1
NNE	1.	3.[illegible]	[illegible].6	3.6	.3	.1						14.4	[illegible].4
NE	.	2.3	2.	1.[illegible]	.1							[illegible].2	7.0
ENE	.[illegible]	1.[illegible]	1.2	.[illegible]								3.7	5.7
E	.	1.[illegible]	1.1	.1								3.[illegible]	5.4
ESE	.[illegible]	1.2	.[illegible]	.1								2.7	5.3
SE	.[illegible]	.[illegible]	.		.1	.1						2.2	5.[illegible]
SSE	.	1.1	.[illegible]	.[illegible]								2.3	5.8
S	.[illegible]	2.4	3.[illegible]	2.1	.6	.3		.1				9.[illegible]	9.3
SSW	.	1.	1.	1.7	.4	.[illegible]						6.2	10.2
SW	.[illegible]	.	.	.[illegible]	.3	.3		.1				3.2	10.4
WSW	.[illegible]	.[illegible]	.[illegible]	.3	.1	.1						1.[illegible]	7.6
W	.[illegible]	.2	.[illegible]	.2								.[illegible]	6.5
WNW	.	.2	.1	.1	.1							.7	6.7
NW	.[illegible]	.[illegible]	.1	.2	.1							1.3	6.8
NNW	.2	2.	1.[illegible]	1.1	.3	.1						6.2	7.4
VARBL													
CALM												[illegible].[illegible]	
	1[illegible].	.[illegible].[illegible]	32.2	17.2	3.3	1.3		.1				1[illegible]0.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1942

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ 47-? YEARS _____ APR MONTH

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	13.7	1?.1	4.3								2?.?	?.1
NNE	.7	?.?	?.?	?.6								1?.?	?.?
NE	1.4	?.?	?.?									?.?	?.4
ENE	.?	1.?										?.?	?.?
E		1.?	.?									?.?	?.?
ESE													
SE	.?											.?	1.?
SSE	.?	.?		.?								?.?	?.?
S	?.?	3.8	2.?	2.?	.?							11.?	?.4
SSW	1.4	?.?	2.?	?.6	.?	.?	.?					12.?	11.?
SW	.?	1.4	1.4	.?								4.?	?.?
WSW		.?										.?	6.?
W													
WNW		.?										.?	?.?
NW				.?								.?	12.?
NNW		.?		.?		.?						?.?	10.?
VARBL													
CALM												?.?	
	1?.1	?.1	22.?	17.?	1.4	1.4	.?					1??.?	6.?

TOTAL NUMBER OF OBSERVATIONS 13?

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 57-9 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	•	17.	[illegible]	3.3								35.[illegible]	5.8
NNE	•	•	4.	2.[illegible]								14.[illegible]	7.[illegible]
NE		1.	2.	•								4.[illegible]	7.9
ENE		•										•	4.[illegible]
E	•											•	2.[illegible]
ESE	•	•										1.[illegible]	3.5
SE	•											•	2.[illegible]
SSE	•	•		•								2.	6.[illegible]
S	1.	4.	•	•	2.[illegible]							3.3	8.4
SSW	•	•	2.	2.	•	2.6						7.[illegible]	14.6
SW	•	•	1.									2.[illegible]	5.[illegible]
WSW		•										•	6.[illegible]
W	•											•	2.[illegible]
WNW													
NW		1.										1.[illegible]	4.5
NNW	•	7.3	2.6	•								3.[illegible]	5.8
VARBL													
CALM												7.[illegible]	
	1[illegible].	34.4	23.[illegible]	10.6	2.6	2.6						100.[illegible]	6.6

TOTAL NUMBER OF OBSERVATIONS 151

SMOS

2

NAVAL WEATHER SERVICE ENVIRONMENT ASHEVILLE, NC

SURFACE WINDS

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

STATION [illegible] STATION NAME [illegible] YEARS 72-76 MONTH APR

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	.4	16.5	14.5	2.2		.4						39.5	6.5
NNE	.5	3.4	4.7	1.8	.4							12.5	7.5
NE	.7	1.1	.7	.7								3.2	6.6
ENE	1.1		.7	.4								2.2	5.7
E	1.1											1.1	2.3
ESE	1.1											1.1	3.5
SE													
SSE	.7				.7							1.4	10.3
S	.4	1.1	2.2	1.1	.7							5.4	9.5
SSW	.4	.4	1.1	1.1	.7	.4	.4	.4				4.7	15.7
SW	.4		.7	.4	.4	.4						2.2	12.7
WSW													
W			.4									.4	8.0
WNW	.2	.4	.4									1.1	5.7
NW	.2	1.4										1.6	5.0
NNW	.2	4.7	1.4	.7	.7							10.2	5.7
VARBL													
CALM												9.4	
	20.1	29.5	26.7	9.4	3.6	1.1	.4	.4				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 278

SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DEVELOPMENT
ASHEVILLE, NC

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

STATION _____ STATION NAME _____ YEARS _____ MONTH APR

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	1.0	7.1	9.8	8.7	1.1	.4						28.4	9.6
NNE	.4	2.7	4.3	4.0	1.1							12.3	8.5
NE	.3	3.0	3.3	1.0								10.2	7.2
ENE	.1	3.4	.8									4.3	5.1
E	.8	1.3	.4	.4								2.3	4.4
ESE	.0	.0										1.0	3.8
SE	.3	.0	.3									1.0	5.0
SSE	1.1	.0	.4	.4								2.7	6.1
S	.0	1.1	1.3	1.0	1.1	1.1						5.6	12.2
SSW	.0	1.3	1.3	3.3	1.5	.4						11.0	10.9
SW	.0	.4		1.1		.4	.4					3.3	12.4
WSW													
W	.3	.4	.4									1.1	4.7
WNW			.0									.3	7.0
NW	.0					.4						1.1	9.3
NNW	.3	.4	1.1	.4								2.3	7.3
VARBL													
CALM												3.3	
	1.0	20.4	25.4	23.5	4.9	2.7	.4					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 254

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

CLASS ALL WEATHER HOURS (L S T) 12

CONDITION

SPEED (KNTS) DIR.	1 - 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	6.7	.7	.4						11.6	12.3
NNE	.7	2.	2.7	3.7	.4							9.7	9.1
NE	1.7	1.7	1.4									6.4	6.1
ENE	.	.7	2.2	1.7								5.2	8.7
E	1.1	1.5	2.7									4.9	5.8
ESE		1.1	1.									3.0	6.6
SE	1.1	.7		.4								2.2	5.3
SSE	.4	2.2	2.4	1.1	.7							7.1	9.2
S	.7	4.7	1 .1	2.7	3.7	1.9						20.3	11.4
SSW	.4	1.7	2.2	3.4	1.1	3.7	.7					12.7	14.9
SW			.4	1.1	.7	1.1						3.4	19.4
WSW		.4	.4									.7	7.0
W	.7											.4	3.0
WNW	.4											.4	3.5
NW		.7		.4								.7	7.5
NNW				.4								.4	12.0
VARBL													
CALM												.7	
	7.1	1 .4	31.1	29.9	5.7	7.4	.7					100.7	10.6

TOTAL NUMBER OF OBSERVATIONS 267

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH APR

CLASS ALL WEATHER HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 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	3.7	6.2	.4							12.7	11.0
NNE	.4	.7	2.5	2.9	.4							7.3	9.9
NE		.4	1.1	1.1								2.5	9.6
ENE		.4	1.1	.7								2.2	8.8
E		.4	.7	1.1								5.5	9.3
ESE		.4	1.4	.4								2.5	7.4
SE		1.1	.4									1.5	6.8
SSE	.7	1.4	1.5			.4						4.0	3.1
S		.4	.7	18.5	5.1	1.5						34.2	13.4
SSW	.7	1.5	2.5	9.1	2.9	1.5	1.8					19.5	14.6
SW		1.1	.4	.4	1.1	.7	.4					4.4	15.6
WSW	.7	.7		.4								1.5	7.3
W													
WNW	.4			.4								.7	8.5
NW													
NNW				1.1								1.1	14.0
VARBL													
CALM												.7	
	2.6	12.4	27.3	42.8	9.8	4.0	2.2					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH APR

ALL WEATHER
CLASS

HOURS L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.[illegible]	[illegible]	5.6	1.4	.						[illegible]	11.2
NNE		[illegible]	[illegible]	2.4								[illegible]	[illegible]
NE	.	.	.	1.								2.[illegible]	[illegible]
ENE	.	1.	.	1.								[illegible]	[illegible]
E	.	1.4	2.1	.								4.[illegible]	[illegible]
ESE	.	.	1.4	.								2.4	[illegible]
SE	.		1.	.								1.[illegible]	[illegible]
SSE	.	.	.	.			.					[illegible]	[illegible]
S	.	.	13.[illegible]	11.1	2.[illegible]	.	.					[illegible]	10.6
SSW	1.	2.1	3.[illegible]	[illegible]	2.1	1.4	.3					14.3	12.[illegible]
SW	.	1.[illegible]	1.	2.4	1.4							[illegible]	11.[illegible]
WSW		.	.	1.								2.4	[illegible]
W	.		.									.	[illegible]
WNW	.	.	.	.								1.	[illegible]
NW													
NNW		.		1.	.							[illegible]	12.6
VARBL													
CALM												1.	
	.	[illegible]	31.	31.4	[illegible]	2.1	1.[illegible]					[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]7

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

CONDITION _____

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

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH APR

CLASS ALL WEATHER HOURS (L S T) ALL

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•	• 1	[illegible]	[illegible]	• 7	• 7						22.8	3.6
NNE	1.	[illegible]	[illegible]	[illegible]	• 3							10.[illegible]	8.3
NE	•	1.	1.	1.	• 1							5.1	7.4
ENE	•	1. 1	•	• [illegible]								3.3	6.6
E	• 1	1. [illegible]	1. [illegible]	• [illegible]								4.	6.[illegible]
ESE	•	•	• [illegible]	• 1								1.	6.3
SE	•	• [illegible]	• [illegible]	• [illegible]								1.[illegible]	5.6
SSE	•	• [illegible]	•	• [illegible]	• 3	• 1	• 1					3.[illegible]	[illegible].4
S	•	[illegible]	[illegible].1	[illegible]	[illegible]	•	• 1					[illegible].3	11.3
SSW	1. [illegible]	1. [illegible]	[illegible].4	3.	1. [illegible]	1.4	.5	• 1				12.4	13.2
SW	• [illegible]	•	• [illegible]	• [illegible]	• 6	• [illegible]	• 1					4.1	11.9
WSW	•	•	• [illegible]	• [illegible]	• 1							1. [illegible]	[illegible].1
W	•	• [illegible]	•									•	4.7
WNW	•	• [illegible]	•	• 1								• [illegible]	5.6
NW	• [illegible]	•		• 1		• 1						1.3	4.[illegible]
NNW	•	1. [illegible]	•	• [illegible]	• 2	• 1						4.2	7.7
VARBL													
CALM												4.4	
	1.	[illegible].[illegible]	[illegible].[illegible]	[illegible].2	5.7	2.[illegible]	.[illegible]	.1				1 0.[illegible]	[illegible].9

TOTAL NUMBER OF OBSERVATIONS 1[illegible]24

10
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible] STATION NAME: [illegible] YEARS: 77-81 MONTH: MAY

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

CONDITION:

SPEED (KNTS) DIR.	1 - 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.[illegible]	3.[illegible]	[illegible].9	2.6								23.0	6.5
NNE	.[illegible]	1.[illegible]	[illegible].[illegible]									8.6	5.7
NE	.	1.[illegible]	.[illegible]									2.6	5.5
ENE													
E	.[illegible]	1.[illegible]	.[illegible]									4.[illegible]	3.7
ESE	.[illegible]											.[illegible]	1.0
SE	.[illegible]											.[illegible]	2.0
SSE		1.[illegible]		1.[illegible]								2.[illegible]	8.5
S	.	[illegible].3	[illegible].	[illegible].[illegible]								15.[illegible]	8.5
SSW	1.[illegible]	2.	2.[illegible]	.[illegible]	.7							6.6	7.4
SW	[illegible].	2.[illegible]										4.[illegible]	3.9
WSW													
W	.[illegible]											.[illegible]	1.0
WNW	.[illegible]	2.										2.[illegible]	4.5
NW	.[illegible]			.[illegible]								1.3	7.5
NNW	1.	2.[illegible]		.[illegible]	1.3							[illegible].	8.3
VARBL													
CALM												19.[illegible]	
	[illegible]7.[illegible]	23.0	21.1	11.[illegible]	2.0							[illegible]0.0	5.3

TOTAL NUMBER OF OBSERVATIONS 152

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

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

STATION [illegible] STATION NAME [illegible] YEARS 47-[illegible] MONTH MAY

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	.5	14.1	[illegible]	[illegible]	.6							33.7	6.1
NNE	4.	2.[illegible]	[illegible].1	.6								11.0	5.5
NE	.	1.[illegible]	.[illegible]									3.1	5.2
ENE	.[illegible]	.[illegible]										1.2	3.5
E													
ESE													
SE	.	.[illegible]										1.2	3.0
SSE	.	.[illegible]	1.2									2.[illegible]	6.3
S			1.	3.7								5.5	11.1
SSW	.	2.[illegible]	1.[illegible]	.[illegible]	1.2	.[illegible]						7.4	10.3
SW		1.										1.[illegible]	5.5
WSW	.											.[illegible]	2.0
W			.[illegible]									.[illegible]	7.0
WNW	1.											1.[illegible]	1.7
NW	.2	4.3		.[illegible]								6.1	5.3
NNW	1.	1.[illegible]	2.5									6.1	5.3
VARBL													
CALM												17.2	
	22.1	30.7	19.4	9.2	1.8	.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 163

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN — STATION NAME — 72-76 — YEARS — MAY — 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	11.0	16.5	7.4	3.5	1.1							40.4	5.8
NNE	4.0	7.3	3.2	.4	.4							12.6	5.6
NE	.1	2.1	.7									3.9	4.4
ENE													
E													
ESE	.7											.4	1.0
SE		.4										.4	5.0
SSE		.4	.4	.4								1.1	8.0
S	1.1	2.0	1.1	1.4	1.1							7.4	8.6
SSW		.7	.7	2.1	.4	.4						4.7	12.8
SW		.4	.7			.4						1.4	11.3
WSW	.7	.7	.4									1.8	3.6
W	.7			.4								1.1	5.3
WNW	.7	.4										2.1	2.5
NW	.1	.4	.7	.4								2.5	6.1
NNW	.2	4.0	1.1	.4								9.1	4.5
VARBL													
CALM												11.5	
	21.3	33.3	16.1	8.8	2.8	.7						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 285

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL WEATHER
CLASS

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.[illegible]	6.7	5.1	4.3	.4							18.8	7.6
NNE	2.[illegible]	7.7	5.1	3.[illegible]								13.7	8.C
NE	1.2	3.[illegible]	2.7	.4								7.8	6.2
ENE		2.[illegible]	.4	.4								3.1	6.4
E		1.2										1.2	5.0
ESE	.[illegible]	.	.4									1.[illegible]	4.8
SE	1.2	.4	.4									2.0	3.9
SSE	1.[illegible]	.[illegible]	.4									2.7	3.7
S	4.3	4.7	8.2	4.3	2.							23.5	6.5
SSW	.[illegible]	1.6	2.7	3.[illegible]	.4							8.6	10.1
SW	.4		.[illegible]									1.2	6.3
WSW			.									.4	9.0
W	.[illegible]	.										1.2	3.7
WNW	.[illegible]											.4	2.0
NW	1.2		.4	.4		.4						2.4	8.0
NNW		.[illegible]	.[illegible]	1.2								2.7	9.9
VARBL													
CALM												8.6	
	1.1	26.3	27.8	18.0	2.7	.4						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2[illegible]5

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN | 72-32 | MAY

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 13

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	2.5	1.8	4.5		.7						9.7	10.1
NNE	.	2.7	3.2	.7	.7							7.5	7.7
NE		1.1	2.2	1.8	.4							5.4	9.5
ENE	.	1.4	1.4	.4								3.6	7.0
E	.4	1.4	1.1	.7								3.6	7.0
ESE	1.1	2.5	1.1	.4								5.4	5.3
SE		1.4	1.4									2.9	6.5
SSE	.4	1.1	3.2	.7	.7							6.1	9.4
S	.4	4.7	11.0	14.4	4.3	.4						36.2	11.6
SSW		1.4	4.7	4.7	2.2	.4						13.3	12.2
SW	.4	1.1	.4	.4								2.2	7.0
WSW		.7	.4									1.1	6.0
W	.4											.4	2.5
WNW													
NW													
NNW		.4	.4	.4								1.1	8.7
VARBL													
CALM												1.4	
	4.7	22.7	33.1	29.4	8.3	1.4						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: MAY

CLASS: ALL WEATHER | HOURS (L S T): 19

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.4	1.	1.1							5.3	11.4
NNE		2.1	1.	.4	.7							5.	8.6
NE	.	1.1	.4	.7	.4							2.	8.6
ENE	.	.	.4	1.1								2.5	7.4
E		1.1	2.	.7	.4							5.	9.1
ESE			.	1.1								1.	11.4
SE		1.	2.5									3.9	6.6
SSE	.	1.1	1.1	.4								2.	6.5
S		3.	11.	24.1	8.5							47.5	12.9
SSW		.	6.	6.0	1.9	.7	.7					16.0	12.6
SW		.4	.7	1.		.4						3.2	12.6
WSW	.	1.1		.4								2.1	5.5
W		.										.7	4.5
WNW													
NW			.									.4	8.0
NNW				1.1								1.1	12.7
VARBL													
CALM												.	
	.1	14.	29.1	39.4	12.8	1.1	.7					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN | 73-82 | MAY

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER

CLASS

1F

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	4.4	1.7	2.[illegible]	.7							9.[illegible]	3.5
NNE	.6	.[illegible]	1.[illegible]									2.[illegible]	3.2
NE		.[illegible]	1.0	1.0								2.7	8.6
ENE		.6	1.4									1.7	7.8
E	.[illegible]	3.[illegible]	1.[illegible]	1.[illegible]								6.1	8.1
ESE		1.[illegible]	.[illegible]	.3								2.4	7.0
SE	.[illegible]	.[illegible]	1.[illegible]									2.[illegible]	6.3
SSE	.[illegible]	.[illegible]	2.[illegible]	.7								4.1	7.3
S		.[illegible]	14.7	15.4	2.7	.[illegible]						41.6	10.2
SSW	.6	2.4	6.[illegible]	6.5	1.[illegible]	.3						18.1	10.2
SW		.[illegible]	1.4	1.[illegible]								2.[illegible]	9.4
WSW	.[illegible]			.[illegible]		.[illegible]						1.7	9.6
W	.7	1.0										1.[illegible]	4.4
WNW													
NW		.[illegible]			.[illegible]							.7	11.0
NNW	.[illegible]	.[illegible]	.[illegible]	.7								2.[illegible]	5.8
VARBL													
CALM												1.0	
	.[illegible]	24.2	33.[illegible]	29.7	4.8	1.0						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 293

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

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

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

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	[illegible]	[illegible]	4.[illegible]	[illegible].3								14.2	7.0
NNE	.4	2.2	2.[illegible]	1.[illegible]	.4							7.3	8.7
NE	.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	5.5
ENE	.[illegible]	.[illegible]	.4									1.[illegible]	4.4
E	[illegible].2	1.[illegible]		.4								4.3	4.1
ESE	.[illegible]	1.[illegible]	.[illegible]	.4								3.[illegible]	5.[illegible]
SE	.4	.4										.[illegible]	3.0
SSE	.4	.[illegible]	.4	1.1								[illegible].1	6.6
S	2.[illegible]	[illegible].[illegible]	11.3	5.1	1.1							28.0	8.0
SSW	1.1	4.[illegible]	2.[illegible]	4.[illegible]	.7							12.7	9.0
SW	1.1	.[illegible]	.7	1.1								3.6	7.1
WSW	.[illegible]	.4										.[illegible]	4.0
W	[illegible].1											1.1	1.3
WNW	.[illegible]											.[illegible]	2.0
NW	.[illegible]	.[illegible]		.4								1.[illegible]	5.0
NNW	.[illegible]	1.[illegible]	.[illegible]	1.8								5.1	8.1
VARBL													
CALM												6.[illegible]	
	17.[illegible]	[illegible].6	24.7	18.9	2.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN — STATION — STATION NAME — 73-82 — 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	1.0	6.5	4.7	7.1	.5	.1						19.2	7.0
NNE	1.0	2.3	2.[illegible]	.9	.3							6.3	7.0
NE	.[illegible]	1.7	1.2	.6	.1							4.0	6.9
ENE	.7	.	.[illegible]	.3								1.3	6.5
E	.[illegible]	1.1	.[illegible]	.5	.1							3.2	6.8
ESE	.[illegible]	1.0	.[illegible]	.3								2.1	6.2
SE	.[illegible]	.[illegible]	.[illegible]									1.0	5.6
SSE	.	1.2	1.[illegible]	.4	.1							3.[illegible]	7.3
S	1.7	4.[illegible]	[illegible].6	9.9	2.[illegible]	.1						27.6	10.5
SSW	.	1.0	[illegible].[illegible]	3.[illegible]	1.1	.7	.1					11.4	10.8
SW	.	.[illegible]	.7	.[illegible]		.1						2.5	8.1
WSW	.	.[illegible]	.[illegible]	.1		.1						1.2	6.0
W	.[illegible]	.[illegible]	.1	.1								1.0	3.5
WNW	.	.[illegible]										.[illegible]	2.8
NW	.[illegible]	.[illegible]	.[illegible]	.3	.1	.1						1.7	6.5
NNW	.[illegible]	1.0	.[illegible]	.[illegible]	.1							3.[illegible]	7.[illegible]
VARBL													
CALM												7.1	
	1[illegible].0	25.[illegible]	26.2	21.8	5.0	.7	.1					1[illegible].0	7.8

TOTAL NUMBER OF OBSERVATIONS 1993

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

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

STATION [illegible], JAPAN STATION NAME 76-8[illegible] YEARS JUN 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	3.[illegible]	.[illegible]	.[illegible]	.[illegible]								20.[illegible]	6.1
NNE	1.[illegible]	3.[illegible]	.[illegible]									5.[illegible]	4.[illegible]
NE	2.4	2.[illegible]	.[illegible]									5.[illegible]	3.7
ENE		1.[illegible]										1.[illegible]	5.[illegible]
E		.2	.[illegible]									1.[illegible]	5.7
ESE	.[illegible]	1.7										1.[illegible]	3.3
SE	.2		.[illegible]									1.[illegible]	4.[illegible]
SSE			.[illegible]									.6	9.[illegible]
S	3.[illegible]	7.[illegible]	1.[illegible]	2.4	.6							24.1	7.1
SSW	1.2	1.[illegible]	1.[illegible]	4.1	.6							9.4	10.3
SW		.[illegible]	1.7									1.[illegible]	7.[illegible]
WSW	.[illegible]											.[illegible]	2.[illegible]
W	1.2											1.2	2.[illegible]
WNW	.[illegible]											.[illegible]	1.[illegible]
NW	.[illegible]	1.[illegible]	.[illegible]									2.[illegible]	4.8
NNW		1.7	.[illegible]	.6								2.4	7.5
VARBL													
CALM												17.1	
	1[illegible].[illegible]	32.4	25.3	7.6	1.2							1[illegible]0.0	5.3

TOTAL NUMBER OF OBSERVATIONS 17[illegible]

SMOS

2

SURFACE WINDS

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

STATION [illegible], JAPAN — STATION NAME — YEARS — JUN — MONTH

ALL WEATHER — 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	[illegible]	[illegible]	[illegible]		[illegible]							[illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
NE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]
E	[illegible]	[illegible]										[illegible]	[illegible]
ESE	[illegible]											[illegible]	[illegible]
SE	[illegible]	[illegible]										[illegible]	[illegible]
SSE	[illegible]	[illegible]										[illegible]	[illegible]
S	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
SSW	[illegible]	[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]	[illegible]
NNW	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]
VARBL													
CALM												[illegible]	
	[illegible]	31.0	20.2	6.0	.6	.6						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 166

SMO5

2

SURFACE WINDS

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

STATION [illegible] JAPAN STATION NAME [illegible] YEARS JUN 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	17.[illegible]	[illegible].[illegible]	3.2								29.2	5.4
NNE	.2	.1	.7	.4								12.[illegible]	5.[illegible]
NE	1.	1.4	.4	.4								4.[illegible]	4.6
ENE	1.1	.	.									.2	3.7
E		.7										.7	3.5
ESE	.4	.7										1.1	4.[illegible]
SE	.7	.7	.4									1.[illegible]	4.5
SSE	.2											.4	3.[illegible]
S	.2	1.1	1.[illegible]	2.2	.7	.4						7.[illegible]	9.5
SSW	1.1	1.	.7	1.1	.4							[illegible].[illegible]	7.5
SW	.	.[illegible]	.7	.4								2.2	6.[illegible]
WSW		.[illegible]										.4	4.[illegible]
W	1.1											1.1	2.3
WNW	.	.[illegible]										1.1	3.3
NW	1.1											1.1	1.7
NNW	.[illegible]	1.4	.[illegible]	1.1								[illegible].6	6.5
VARBL													
CALM												10.[illegible]	
	2 .2	33.[illegible]	20.1	[illegible].6	1.1	.4						1 0.[illegible]	5.2

TOTAL NUMBER OF OBSERVATIONS 27[illegible]

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

CONDITION _____

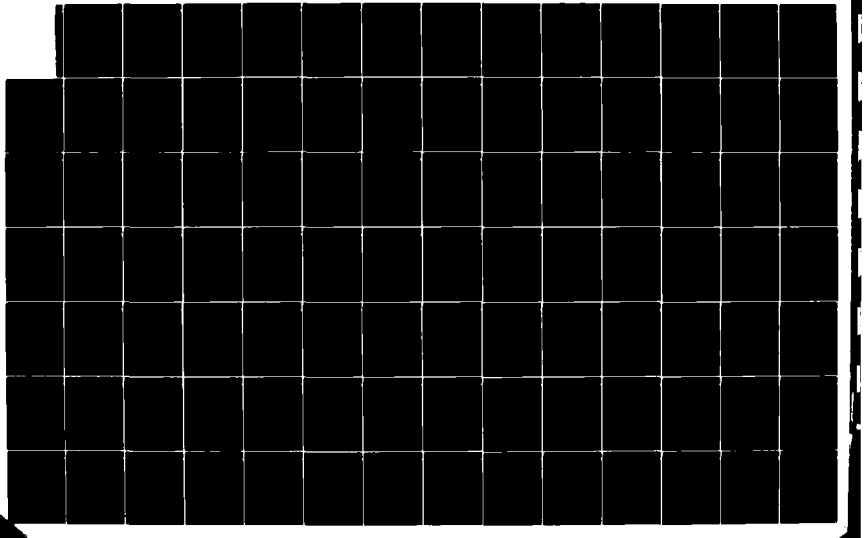
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥55	%	MEAN WIND SPEED
N	•	•	•	•	•								
NNE	•	•	•	•									
NE	•	•	•										
ENE	•	•	•	•									
E	•	•											
ESE	•		•										
SE	•	•											
SSE	•												
S	•	•	•	•	•	•	•						
SSW		•	•	•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

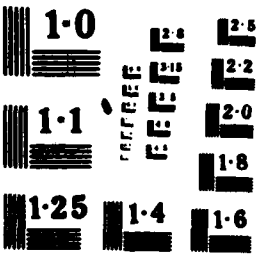
TOTAL NUMBER OF OBSERVATIONS

SMOS

AD-A151 677 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 2/4
FOR ATSUGI JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

UNCLASSIFIED F/G 4/2 NL




1·0
1·1
1·25
1·4
2·5
2·2
2·0
1·8
1·6

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
	SASEBO, JAPAN	73-82	JUN

CLASS: ALL WEATHER

CONDITION:

HOUR (L S T): 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.9	4.[illegible]	4.0	.4							12.1	8.9
NNE	.[illegible]	5.1	2.7									8.1	5.6
NE	1.1	2.2	2.[illegible]	.4								6.6	6.5
ENE	.7	1.[illegible]	2.[illegible]									5.1	6.4
E	.4	2.6	1.1									4.0	6.[illegible]
ESE	1.1	.4	1.[illegible]									2.9	5.9
SE		1.1	1.1									2.2	5.8
SSE	1.[illegible]	3.3	1.[illegible]	.4								7.0	5.6
S	2.[illegible]	5.1	11.7	9.5	2.2	.4	.4					31.9	10.0
SSW	.7	1.1	4.[illegible]	2.9	5.5							14.3	12.7
SW	1.1	.7	.4	.7		.4						3.3	9.0
WSW													
W													
WNW	.4											.4	2.0
NW													
NNW		.4	.7	.4	.4							1.8	10.2
VARBL													
CALM												.4	
	11.0	2[illegible].4	34.4	18.3	8.4	.7	.4					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 273

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION [illegible], JAPAN — STATION NAME — YEARS 47-62 — MONTH JUN

CLASS ALL WEATHER — HOURS (LST) 15

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.	4.7	1.8								9.8	7.6
NNE		1.	1.1	1.4								4.2	9.2
NE	.7	.7	.7	.7								2.8	6.9
ENE	.7	1.4	2.	.4								5.3	7.2
E	.7	1.4	2.1	1.4								5.3	8.3
ESE	.4	.4	2.5									3.2	7.2
SE		.7	1.1	.4								1.5	8.2
SSE		2.1	1.	1.4								5.9	8.1
S	1.1	2.	13.7	16.5	2.8	1.4						38.5	11.4
SSW	.7	1.1	4.2	7.7	.7	.7						15.1	11.4
SW		.7	2.5	1.1	1.4							5.6	11.1
WSW			.7	.4								1.1	11.0
W													
WNW													
NW													
NNW			1.1	.4	.4							1.8	12.2
VARBL													
CALM												.7	
	4.2	17.4	38.2	33.3	5.3	2.1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 295

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] ATSUGI, JAPAN 73-82 JUN
STATION STATION NAME YEARS MONTH

ALL WEATHER 16
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	3.7	3.7	1.4	.4							8.5	7.8
NNE	.4	2.5	1.8	.7								5.3	7.4
NE	.5		1.1	.4								1.8	7.8
ENE	.4	.7	1.8	.4								3.2	7.3
E	1.4	2.1	2.7									6.4	5.8
ESE	1.1	.7	1.1									2.8	5.0
SE		1.1	1.1									2.1	6.2
SSE	.4	.4	.7									1.4	5.8
S	1.1	3.5	16.	13.5	1.8	.4						41.3	9.8
SSW	1.4	2.7	7.8	3.6	.4	1.4						17.4	9.5
SW	.7	1.4	.4	1.1	.7							4.3	9.2
WSW		.4	.4									.7	6.0
W		.7										.7	4.0
WNW		.4										.4	5.0
NW	.4											.4	3.0
NNW			.4	.7								1.1	11.3
VARBL													
CALM												2.1	
	7.8	24.7	38.4	21.7	3.2	1.8						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 281

ERROR

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] SICI, JAPAN	73-82	JUN

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	.1	4.2	2.4	1.7								10.[illegible]	6.6
NNE	[illegible]	2.1	3.[illegible]	1.7								10.[illegible]	6.4
NE	1.[illegible]	1.[illegible]	1.9	.7								4.[illegible]	6.3
ENE	1.[illegible]	2.4	.7									4.9	4.5
E	.1	2.1	1.4									5.6	4.9
ESE	.[illegible]	1.4										1.7	4.6
SE	.7	1.[illegible]										1.7	3.4
SSE	1.[illegible]	1.7		.7								4.2	4.8
S	4.[illegible]	[illegible].4	1[illegible].1	3.[illegible]	1.[illegible]							27.6	7.5
SSW	[illegible].[illegible]	2.1	3.[illegible]	2.4	.7							11.[illegible]	8.0
SW	1.4	1.[illegible]	.7	1.[illegible]								4.2	7.4
WSW	1.[illegible]	.7		.3								2.1	5.2
W		.[illegible]										.[illegible]	4.0
WNW													
NW	1.[illegible]		.7									2.1	4.0
NNW	.7		1.[illegible]	.3								2.1	6.7
VARBL													
CALM												5.[illegible]	
	24.1	2[illegible].4	25.[illegible]	12.9	1.7							1[illegible]0.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2[illegible]6

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] (STATION) ATSUGI, JAPAN (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) ALL (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	3.3	6.2	5.6	2.2	.2							18.1	6.5
NNE	1.9	3.7	3.4	.7								9.7	6.1
NE	1.2	1.7	1.6	.4								4.7	5.9
ENE	1.1	1.5	1.5	.7								4.2	5.6
E	.7	1.4	1.1	.2								3.5	5.7
ESE	.7	.6	.3									2.0	5.3
SE	.4	.5	.4	.1								1.5	5.3
SSE	1.0	1.2	.7	.4								3.2	5.6
S	2.7	5.1	9.3	7.2	1.5	.4	.1					26.3	9.4
SSW	1.2	1.7	3.4	3.4	1.2	.3						11.2	10.2
SW	.9	.8	.5	.7	.4	.1						3.6	8.7
WSW	.4	.3	.2	.1								1.0	5.7
W	.4	.2										.5	2.7
WNW	.2	.2										.5	2.5
NW	.7	.3	.2									1.1	3.6
NNW	.2	.1	1.3	.6	.2							3.2	7.7
VARBL													
CALM												5.7	
	17.5	28.6	30.1	15.9	3.4	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2000

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	A[illegible]SI, JAPAN	77-82	JUL

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	4.2	[illegible].8	3.4	.6								17.8	5.3
NNE	[illegible].4	2.3	1.7									5.2	5.2
NE	[illegible].1	3.4	.6									5.2	4.9
ENE		.[illegible]										.6	4.0
E	.3	1.7	.6									4.6	4.1
ESE	1.[illegible]	.6										2.3	2.5
SE	[illegible].1	1.1										2.3	3.0
SSE	1.[illegible]	2.3										4.[illegible]	3.9
S	6.[illegible]	5.7	7.[illegible]	1.7	.6							22.4	6.1
SSW	[illegible].1	2.3	1.[illegible]	2.9								8.0	7.9
SW	[illegible].3		.6									2.9	3.4
WSW													
W													
WNW	.[illegible]											.6	2.0
NW	.[illegible]		.6									1.1	4.5
NNW	1.[illegible]	1.1	.6									3.4	3.7
VARBL													
CALM												19.5	
	2[illegible].4	31.0	17.2	5.2	.6							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 174

SMOS

2

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]SUGI, JAPAN	77-82	JUL

ALL WEATHER
CLASS

03
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	11.2	4.7									20.6	5.1
NNE	2.4	5.3	.6									8.3	4.6
NE	2.4	2.8										5.3	3.7
ENE	1.	.5										2.4	2.8
E	1.											1.[illegible]	1.7
ESE	1.2											1.2	2.5
SE	1.2	.4										1.6	2.7
SSE	.	.5										1.2	4.5
S	5.	4.7	2.4	1.8								14.7	5.1
SSW	1.	1.8	2.8	1.8								8.2	7.6
SW	.4											.6	3.0
WSW	.8	.4										1.2	3.5
W	1.2											1.2	1.5
WNW	.											.6	2.0
NW	1.2	.4										1.[illegible]	2.7
NNW	1.	2.4		.6								5.3	4.7
VARBL													
CALM												24.1	
	23.4	31.	10.	4.1								1[illegible]0.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN (STATION / STATION NAME) 73-82 (YEARS) JUL (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	.5	11.6	4.1	1.[illegible]								26.4	4.6
NNE	6.	[illegible].5	2.1	.[illegible]								14.[illegible]	4.3
NE	1.[illegible]	2.1										3.[illegible]	3.7
ENE	1.[illegible]	.[illegible]		.[illegible]								2.[illegible]	4.4
E	.[illegible]	.3										1.0	2.7
ESE													
SE	.[illegible]											.[illegible]	2.0
SSE	.[illegible]		.[illegible]									1.[illegible]	3.7
S	3.[illegible]	1.4	2.1	2.1								8.2	6.7
SSW	[illegible].1	2.4	1.[illegible]	2.1	.3							7.[illegible]	6.9
SW	.[illegible]	.3	.[illegible]	.3	.[illegible]							2.1	11.2
WSW													
W	1.[illegible]		.[illegible]									2.1	3.7
WNW	1.[illegible]	.3										1.4	3.3
NW	1.[illegible]	.[illegible]										1.[illegible]	2.8
NNW	1.[illegible]	1.4	1.[illegible]	.3								4.5	5.3
VARBL													
CALM												21.9	
	32.5	26.7	11.3	6.5	1.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 292

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

SURFACE WINDS

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

ATSUGI, JAPAN — STATION — STATION NAME

73-82 — YEARS

JUL — 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	.1	.6	4.1	2.2	.4							10.4	6.4
NNE	1.1	7.5	3.4	.7								13.1	5.5
NE	.7	3.7	1.1	.4								6.0	5.9
ENE	1.1	3.4		.4								5.0	4.2
E	2.2	2.2	.7									5.6	4.0
ESE	.7											.7	2.0
SE	.1	.4										1.0	2.5
SSE	1.1	1.5	.7									3.4	4.3
S	.1	3.7	6.7	1.5	.7							17.2	6.9
SSW	2.2	2.6	3.7	3.7	1.1							13.9	8.8
SW		.7	.4		.4							1.1	10.7
WSW	.7	.4		.4								1.5	6.0
W													
WNW	.7			.4								.7	7.0
NW		.7										.4	4.0
NNW	.4	1.1	.7	.4								2.6	7.0
VARBL													
CALM												7.5	
	12.1	35.6	21.7	10.5	2.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 267

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

A[illegible], JAPA[illegible] (STATION / STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1[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	1.0	1.0	[illegible].1	.4	.4							[illegible].1	6.9
NNE	1.1	4.[illegible]	[illegible].[illegible]	.7								10.1	[illegible].1
NE	1.[illegible]	1.1	1.0	1.4								5.[illegible]	7.[illegible]
ENE	1.1	1.0	1.4									4.[illegible]	5.1
E	.1	2.[illegible]	2.[illegible]	.4								6.5	5.9
ESE		.[illegible]	.[illegible]									.7	6.0
SE	.[illegible]	1.4										1.[illegible]	4.6
SSE	.[illegible]	[illegible].[illegible]	1.1	.4								[illegible].1	6.2
S	1.4	[illegible].1	12.3	1[illegible].1	2.2	.7						[illegible]1.[illegible]	10.1
SSW	1.1	[illegible].[illegible]	6.2	[illegible].[illegible]	1.8							18.5	10.1
SW	1.1	.7	.4	.4								2.[illegible]	5.3
WSW	.7		.4									1.1	4.7
W													
WNW	.[illegible]											.[illegible]	1.0
NW	.[illegible]											.[illegible]	1.0
NNW		.[illegible]										.4	4.0
VARBL													
CALM												1.4	
	17.0	26.	35.1	19.6	4.3	.7						1[illegible]0.0	5.0

TOTAL NUMBER OF OBSERVATIONS 276

2

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH: J L

CLASS | HOURS: L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.	2.1	2.	1.								6.	6.
NNE	.	.	2.1	.								3.1	7.3
NE	.	1.	1.	1.								4.	7.4
ENE	1.	1.	1.	.								3.	5.
E	.	2.1	2.1	.								5.	6.
ESE	.	2.1	.	.								3.1	6.
SE	.	1.										2.1	5.0
SSE	.	1.	2.1									3.	6.
S	.	7.	14.4	16.1	5.1	.						40.1	11.2
SSW	.	2.1	7.	9.2	1.7							21.	10.9
SW		.	.	.	.							1.	10.6
WSW		.		.								1.	7.
W	.	.	.									1.0	4.
WNW													
NW													
NNW		.	.									.	6.5
VARBL													
CALM												1.	
	.	19.	34.6	27.8	7.2	.						100.	9.3

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH JUL

CLASS ALL WEATHER HOURS L.S.T.

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		•	2.7	1.4								6.1	7.6
NNE		1.7	1.7	.7								4.1	7.9
NE		1.4	•	.7								2.4	7.6
ENE	•	.7	.7	1.	.3							3.1	7.1
E	•	1.4	3.7	.7								5.1	7.7
ESE	•	1.	1.4									2.7	6.1
SE	•	1.	.7									1.7	5.4
SSE		.4	.7	.7								1.8	7.2
S	2.	6.	19.7	12.6	.7	.7						41.5	6.3
SSW	1.	3.7	4.0	2.5	.7							11.1	6.2
SW	.7	1.7	1.	1.4								4.8	7.4
WSW	•		•	.3								1.3	6.3
W		•	.7									.7	5.5
WNW													
NW	•											.3	2.0
NNW	•											.7	1.0
VARBL													
CALM												3.1	
	.1	22.4	3 .5	25.9	1.7	.7						100.7	6.4

TOTAL NUMBER OF OBSERVATIONS 294

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

[redacted] JAPAN [redacted] JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 21
CLASS HOURS (L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	2.1	2.1								8.3	7.3
NNE	1.4	2.4	1.4	.3								5.6	5.6
NE	1.	1.	1.	.7								3.7	6.4
ENE	.7	2.1	2.1									4.5	5.9
E	1.7	2.1	.3									4.2	4.0
ESE	.7	.7	.7									1.4	4.5
SE	.3	1.4										1.7	3.6
SSE	.	1.7		.7								2.4	5.1
S	5.	9.7	13.2	5.2	.7							34.7	7.2
SSW	1	4.5	2.8	3.8	1.0							15.3	8.0
SW	1.4	.7	1.	.3								3.5	6.3
WSW	1.4	.3		.7								2.1	4.5
W	.3											.3	2.0
WNW	.7											.7	2.0
NW	1.	.7										1.4	2.5
NNW	1.	.7	.3									1.7	3.6
VARBL													
CALM												6.3	
	22.6	2 .5	24.7	13.2	1.7							1 0.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2 8

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	AMOUCHI, JAPAN	73-82	JUL

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	5.7	3.[illegible]	1.2	.1							13.7	5.9
NNE	1.	3.7	2.1	.4								8.1	5.6
NE	1.1	1.[illegible]	.[illegible]	.6								4.4	6.0
ENE	1.1	1.4	.7	.3	.[illegible]							3.[illegible]	5.6
E	1.[illegible]	1.[illegible]	1.[illegible]	.2								4.4	5.4
ESE	.	.[illegible]	.[illegible]	.[illegible]								1.5	4.9
SE	.	1.[illegible]	.[illegible]									1.7	3.9
SSE	.	1.[illegible]	.[illegible]	.2								2.9	5.6
S	3.[illegible]	5.1	1[illegible].[illegible]	7.[illegible]	1.4	.2						27.3	8.7
SSW	1.[illegible]	3.[illegible]	4.[illegible]	4.7	.9							15.[illegible]	9.2
SW	.[illegible]	.[illegible]	.[illegible]	.4	.2							2.5	7.4
WSW	.	.2	.1	.2								1.0	5.9
W	.[illegible]	.1	.1									.7	3.7
WNW	.[illegible]	.		.[illegible]								.5	3.3
NW	.	.[illegible]	.[illegible]									.[illegible]	2.8
NNW	.	.[illegible]	.4	.1								2.1	5.0
VARBL													
CALM												5.8	
	1 .9	27.4	25.[illegible]	15.5	2.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2553

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

A SCOTT, JEFFA | 77-92 | AUG
STATION | STATION NAME | YEARS | 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	3.0	1.[illegible]	5.3	1.[illegible]								21.2	6.0
NNE	1.[illegible]	1.2	1.[illegible]									4.[illegible]	5.1
NE	3.0	2.[illegible]	.[illegible]	.6								7.6	4.5
ENE	.[illegible]		.[illegible]	.6								1.[illegible]	7.3
E	1.0	1.2										2.9	2.[illegible]
ESE	.[illegible]	.[illegible]		.6		.6						2.4	11.5
SE	.[illegible]											.6	1.0
SSE	1.2	.[illegible]										1.[illegible]	2.7
S	4.1	5.[illegible]	7.6	3.[illegible]	1.8							22.[illegible]	7.6
SSW	1.[illegible]	1.[illegible]	5.3	3.5								12.4	8.2
SW	1.2	.[illegible]			.6							2.4	6.3
WSW	.[illegible]											.6	2.0
W	.[illegible]											.6	2.0
WNW	1.2											1.2	2.5
NW	1.2	.[illegible]										1.[illegible]	2.7
NNW	.[illegible]	.[illegible]	.6									1.8	4.3
VARBL													
CALM												13.[illegible]	
	24.7	26.5	21.8	10.6	2.4	.6						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 170

ERROS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] ATSUGI, JAPAN — 77-82 — AUG
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 03
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	[illegible]	8.4	3.[illegible]								28.7	5.7
NNE	1.2	1.2	3.									5.4	6.4
NE	.	2.4	1.2		.6							7.2	5.3
ENE	.											.6	2.0
E	.	[illegible]										1.2	4.0
ESE													
SE	.	[illegible]										1.2	3.0
SSE	1.2	[illegible]	[illegible]		.6			[illegible]				3.6	11.8
S	2.[illegible]	1.[illegible]	4.[illegible]	2.4	.6							12.0	7.7
SSW	1.2	1.[illegible]	3.	1.[illegible]	.6							8.4	8.7
SW			.		.6							1.2	13.0
WSW	[illegible]											2.4	1.3
W	.											.[illegible]	1.0
WNW	1.2											1.2	2.0
NW	1.[illegible]	[illegible]										2.4	2.8
NNW	[illegible]	[illegible]	[illegible]									7.2	4.2
VARBL													
CALM												16.[illegible]	
	[illegible].1	22.2	22.2	7.2	3.0			.6				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 167

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	ATSUGI, JAPAN	73-82		AUG
	STATION NAME	YEARS		MONTH
		ALL WEATHER		06
		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	14.6	15.3	7.5	2.8	.4							40.6	5.2
NNE	2.5	5.7	.7									8.5	4.6
NE	.4	.7										1.1	3.7
ENE	.7											.7	2.5
E													
ESE	.4											.4	2.5
SE	.4											.4	1.5
SSE	.4	1.4	.7									2.5	5.7
S	1.4	1.4	.7	2.8		.7						7.1	10.1
SSW	1.1	1.4	2.5	1.1	.7							7.8	7.7
SW	.4	1.4	.4	1.1								3.2	7.7
WSW	.4											.4	2.0
W	.7	.4										1.1	3.0
WNW	.1											2.1	2.2
NW	1.8	1.4	.4									3.6	3.9
NNW	3.5	1.4	1.4									6.4	4.1
VARBL													
CALM												14.2	
	31.3	30.2	14.6	7.8	1.1	.7						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 281

EMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN (STATION / STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

09 (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	6.1	1[illegible].3	4.2	.4							24.[illegible]	7.4
NNE	.3	4.6	2.1	.4								10.3	5.6
NE	1.	3.4	1.[illegible]	.8								7.6	6.1
ENE	1.	1.										3.4	3.7
E	.[illegible]	.										1.1	4.0
ESE	.[illegible]											.4	1.0
SE	.4	.4										.	4.[illegible]
SSE	.4	.		.8				.4				2.3	13.5
S	.4	4.2	2.7	4.2	.8	.4						15.6	8.2
SSW	1.[illegible]	3.1	3.4	6.1	.4	.4						14.9	9.9
SW	1.1	.	.4	2.3	.4							5.[illegible]	9.3
WSW		.[illegible]										.8	6.0
W	.[illegible]											.4	2.[illegible]
WNW	.											.[illegible]	2.5
NW		.[illegible]										.4	4.0
NNW	.4	2.7	1.9									[illegible].	6.1
VARBL													
CALM												7.3	
	1[illegible]	30.2	23.3	18.7	1.9	.[illegible]		.4				1[illegible]0.0	7.0

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	SUSI, JAPAN	73-82	AUG

ALL WEATHER
CLASS

12
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	2.[illegible]	4.[illegible]	1.8	.4							10.4	8.0
NNE	1.1	1.[illegible]	4.3	1.4								8.6	7.7
NE		[illegible].2	.7	.7	.4							5.0	7.2
ENE	1.1	2.[illegible]	1.1	.4								5.0	5.6
E	.[illegible]	1.1	1.[illegible]									3.6	6.0
ESE	.4	1.1	.[illegible]									2.2	5.2
SE		.[illegible]	.[illegible]									1.4	6.5
SSE	.7	1.4	1.4	.4	1.4							5.4	9.5
S	1.4	5.[illegible]	12.4	12.4	1.8	.7	.4	.4				31.3	10.7
SSW	1.1	3.2	5.[illegible]	6.8	3.6							19.8	11.3
SW		1.1		.7	.7							2.5	12.0
WSW		.4	.4	.4								1.1	9.7
W													
WNW													
NW	.7											.7	2.0
NNW		.[illegible]	.[illegible]									1.1	5.3
VARBL													
CALM												1.8	
	.[illegible]	25.9	30.9	23.0	8.3	.7	.4	.4				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 278

ERIOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] A. SUGI, JAPAN (STATION NAME) 73-82 (YEARS) AUG (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	•	1.[illegible]	[illegible].7	1.7								6.1	9.2
NNE	•	1.4	1.7	1.[illegible]								5.1	7.1
NE	•[illegible]	1.7	1.7		.3							4.4	7.5
ENE	•[illegible]	1.	.3	1.[illegible]								3.0	8.3
E	•[illegible]	1.	2.[illegible]	•[illegible]								4.1	7.6
ESE		•[illegible]	•7	•7								2.0	8.7
SE		1.[illegible]	1.[illegible]									2.7	6.8
SSE	•[illegible]	•3	1.4	•7		•[illegible]						3.4	8.8
S		4.[illegible]	13.2	18.6	2.7	1.[illegible]						40.2	11.3
SSW	•[illegible]	1.4	6.4	7.8	3.7	.3		.3				20.3	12.4
SW	•[illegible]	•[illegible]	1.[illegible]	•7	•[illegible]							3.7	10.8
WSW	•[illegible]	•3	•3	•3								1.4	7.5
W		•[illegible]	•3	•3								1.4	5.8
WNW													
NW			•[illegible]									.3	8.0
NNW		•[illegible]	•[illegible]									1.0	7.7
VARBL													
CALM												1.0	
	4.[illegible]	17.2	34.1	33.4	7.4	1.7		.3				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 296

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] JAPAN | 73-82 | AUG
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 19
CLASS | HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	3.1	1.4								6.1	8.3
NNE	.7	1.4	.7	.3								2.7	6.5
NE		1.4	2.4									3.7	7.2
ENE		1.4	2.4	1.4								4.7	8.1
E	1.4		3.4									4.7	6.6
ESE		1.4	.7	.3								2.4	7.0
SE		.7	.3									.7	6.5
SSE		1.4	.7	1.4								3.1	8.0
S	1.4	7.5	17.3	8.5	4.4	.3						39.3	9.6
SSW	1.4	4.4	12.2	5.8	1.7							23.4	9.3
SW	1.4	2.4		1.4	.3							5.1	7.5
WSW	.7		.7									.7	4.5
W	.7											.7	3.0
WNW													
NW													
NNW	.7	.3										.7	3.5
VARBL													
CALM												2.4	
	7.1	23.7	41.0	20.0	5.4	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 295

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	ATSUGI, JAPAN	[illegible]-71	AUG

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	.7	4.2	2.1	.7	.3							8.7	6.3
NNE	1.0	2.8	2.4	.7								6.9	4.5
NE	.7	1.7	2.1									4.5	6.0
ENE	1.0	1.4	.3	.3								2.8	6.0
E	.7	2.1	.7	.7								4.2	6.7
ESE	.7	1.7	.7									3.1	4.9
SE	.7	1.4										1.4	3.5
SSE	1.7	2.1	1.4	.3								5.5	5.4
S	4.2	12.8	9.0	5.2	.3		.3					31.8	7.0
SSW	2.4	5.2	3.1	4.2	1.0							15.9	8.3
SW	.7		.3	1.4	.7							2.4	11.7
WSW	.7	.3		.3								1.0	6.7
W													
WNW	.7	.3										.7	4.5
NW		.3										.3	4.0
NNW	1.7		1.7									2.1	5.2
VARBL													
CALM												8.7	
	1.6	36.3	23.2	13.8	2.1		.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 289

SMOS

2

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 AUG

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	[illegible]	5.0	[illegible]	2.1	.2							17.2	6.4
NNE	1.[illegible]	2.[illegible]	2.2	.5								6.6	6.2
NE	[illegible]	2.2	1.[illegible]	.2	.1							4.[illegible]	6.2
ENE	.[illegible]	1.1	.[illegible]	.[illegible]								2.[illegible]	6.3
E	.[illegible]	.[illegible]	1.1	.2								2.[illegible]	6.2
ESE	.[illegible]	.[illegible]	.4	.2		.[illegible]						1.7	6.6
SE	.[illegible]	.[illegible]	.[illegible]									1.2	5.1
SSE	.[illegible]	1.1	.[illegible]	.4	.2	.[illegible]		.1				3.5	8.2
S	[illegible].1	5.[illegible]	5.6	7.5	1.5	.4	.1	.[illegible]				26.2	9.4
SSW	1.4	2.[illegible]	5.1	4.[illegible]	1.6	.1		.[illegible]				16.[illegible]	9.9
SW	.[illegible]	.[illegible]	.4	1.[illegible]	.4							3.3	9.4
WSW	.[illegible]	.2	.1	.1								1.0	[illegible].3
W	.[illegible]	.1	.[illegible]	.[illegible]								.[illegible]	4.7
WNW	.[illegible]	.[illegible]										.[illegible]	2.6
NW	.[illegible]	.4	.1									1.1	3.5
NNW	.[illegible]	1.1	.[illegible]									2.[illegible]	[illegible].9
VARBL													
CALM												[illegible].4	
	1[illegible].0	26.7	27.[illegible]	17.8	4.1	.6	.1	.2				1[illegible]0.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2038

BMOS

NAVAL METEOROLOGY
OCEANOGRAPHY
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 47-8. MONTH _____

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	17.2	11.2	5.3	.6							40.2	6.6
NNE	2.4	2.4	1.2	.6								7.7	5.2
NE	1.	1.										3.	3.2
ENE	.		.									1.2	4.0
E	1.	.										2.4	3.5
ESE													
SE	.											.	1.0
SSE	.2	.										1.	3.
S	1.2	2.4	2.4	1.	.6							7.	8.1
SSW	.	1.2	3.	.6	.6							6.5	8.8
SW	.	1.2										1.	4.5
WSW	.											.	3.0
W													
WNW	1.2	.										1.	3.0
NW	.2											1.2	2.0
NNW	.1	1.	5.	.6								13.	5.
VARBL													
CALM												8.5	
	2 .1	32.0	24.	8.9	1.8							100.	5.5

TOTAL NUMBER OF OBSERVATIONS 167

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

ATSUGI, JAPAN — STATION / STATION NAME
77-81 — YEARS
SEP — 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	4.0	22.4	11.5	3.0	.6							42.4	6.3
NNE	1.2	.5	1.3	1.2								9.7	6.1
NE	3.1	.7	.7									4.5	3.0
ENE	.9	.3										1.2	4.0
E		.3										.4	4.0
ESE		.7										.6	4.0
SE													
SSE	1.1	.1	.6									3.0	4.2
S	1.0	2.4	.8	1.8		.4						7.3	8.6
SSW	2.4	1.2	.5	.6								4.8	4.8
SW	.7											.5	3.0
WSW	.7	1.2										1.9	3.3
W													
WNW	.2											.2	3.0
NW	.2	1.2										1.4	3.3
NNW	2.4	3.0	4.5	2.4								12.3	7.4
VARBL													
CALM												7.3	
	16.2	40.2	22.6	9.1	.6	.4						100.1	5.6

TOTAL NUMBER OF OBSERVATIONS 1-5

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 77-82 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												10.2	6.4
NNE												10.	6.0
NE												1.2	7.8
ENE												.7	7.0
E												.7	4.0
ESE												.4	2.2
SE													
SSE												1.4	6.3
S												.5	6.6
SSW												3.5	7.6
SW												1.1	5.0
WSW												.4	6.0
W												.6	1.5
WNW												.7	2.6
NW												2.1	4.7
NNW												11.	5.4
VARBL													
CALM												6.3	
	1 .1	3 .1	2 .1	7.7	1.P	.4						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 295

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

STATION | STATION NAME | YEARS | SEP 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	3.0	11.5	16.5	6.1	1.1							38.6	7.9
NNE	1.-	5.5	9.4	3.2								20.[illegible]	7.9
NE	.[illegible]	.7	2.2	1.1								4.7	[illegible].5
ENE	.4	1.[illegible]	.4	.7								[illegible].2	6.7
E	1.1	.[illegible]										1.[illegible]	2.4
ESE	.4	.4	.4									1.1	4.3
SE	.4	.4										.7	3.0
SSE	.7	.4	.7									1.[illegible]	5.8
S	1.[illegible]	1.[illegible]	1.	1.[illegible]	1.1	.4						7.4	9.8
SSW	.[illegible]		1.[illegible]	2.[illegible]	1.[illegible]							6.[illegible]	12.7
SW	.[illegible]	.4	.7	.4								2.2	5.[illegible]
WSW													
W													
WNW													
NW	.[illegible]	.4	.4									1.1	[illegible].3
NNW	1.1	1.1	1.	1.[illegible]	.4							6.1	9.0
VARBL													
CALM												3.[illegible]	
	1.[illegible]	25.2	36.0	17.6	4.3	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH SEP

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	1.0	7.5	5.0	4.9	2.2							24.1	9.9
NNE	.7	4.0	4.7	2.9								12.2	9.4
NE	.7	4.0	2.0	1.1								9.7	6.1
ENE		3.0	1.2	.4								5.4	7.0
E	.7	2.0	.7									4.3	5.3
ESE		1.0										1.0	5.6
SE	.4	.4										.7	4.3
SSE		.7	1.0		.4							2.2	9.5
S	.7	1.4	2.7	5.8	1.4							16.2	9.7
SSW		1.1	3.7	2.8	3.2	.7						11.5	13.1
SW		.4	1.1	.7	.7							2.8	11.5
WSW		1.1										1.1	5.3
W													
WNW	.4		.4									.7	5.0
NW	.4		.4									.7	4.0
NNW		1.1	1.1	3.2								5.4	10.9
VARBL													
CALM												1.1	
	3.3	31.7	29.9	21.6	7.9	.7						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 276

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ATSUGI, JAPAN

SURFACE WINDS

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

ATSUGI JAPAN — STATION / STATION NAME

73-82 — YEARS

SEP — MONTH

ALL WEATHER — CLASS

1[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		4.[illegible]	[illegible]	4.[illegible]	.[illegible]							18.[illegible]	8.8
NNE	1.[illegible]	1.[illegible]	2.[illegible]	1.[illegible]	.3	.[illegible]						6.[illegible]	9.4
NE	.[illegible]	1.[illegible]	2.[illegible]	1.[illegible]								5.6	7.8
ENE	.	1.4	2.	.[illegible]								4.[illegible]	7.4
E	1.[illegible]	.1	3.[illegible]	1.[illegible]								7.6	7.0
ESE	.[illegible]	.[illegible]	3.[illegible]									4.[illegible]	7.1
SE	.[illegible]	1.[illegible]	.[illegible]									3.1	5.2
SSE	.[illegible]	.[illegible]	.[illegible]	.[illegible]								2.1	[illegible].3
S	1.	3.	5.6	9.4	1.[illegible]	.3						22.2	10.[illegible]
SSW	.[illegible]	2.[illegible]	[illegible].6	4.[illegible]	7.1	.[illegible]	.3					16.[illegible]	10.6
SW	.			.[illegible]	.3							1.0	11.0
WSW	.		.[illegible]									1.0	7.3
W													
WNW		.[illegible]										.[illegible]	4.0
NW	.											.[illegible]	2.0
NNW		1.	2.[illegible]	1.0								4.5	[illegible].2
VARBL													
CALM												.[illegible]	
	.[illegible]	22.6	3[illegible].2	22.[illegible]	5.2	1.0	.3					1[illegible].0	8.9

TOTAL NUMBER OF OBSERVATIONS 2[illegible]8

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ADAK, ALEUTIAN IS.

SURFACE WINDS

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

STATION: [illegible], JAPAN STATION NAME YEARS: 19[illegible] MONTH: SEP

ALL WEATHER
CLASS

HOURS (L.S.T.): 1[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	1.[illegible]	[illegible].5	[illegible].[illegible]	2.4								14.5	7.3
NNE	1.[illegible]	[illegible].4	2.4	.[illegible]7								[illegible].[illegible]	6.3
NE	.[illegible]	.[illegible]7	1.[illegible]7	1.[illegible]								4.1	[illegible].0
ENE	[illegible].	2.1	2.1									5.2	5.7
E		[illegible].	2.[illegible]	.3								[illegible].[illegible]	6.6
ESE	[illegible].1	1.[illegible]7	.[illegible]7									4.1	3.6
SE	.[illegible]7	1.[illegible]										1.[illegible]7	3.4
SSE		1.[illegible]4	.[illegible]7									2.1	6.[illegible]7
S	1.[illegible]7	[illegible].3	5.[illegible]	3.8								21.4	7.3
SSW	1.[illegible]7	[illegible].5	[illegible].[illegible]	4.5	1.4							17.6	8.5
SW	.[illegible]7	2.[illegible]4	.[illegible]3	.[illegible]7								4.1	6.0
WSW	1.4	.3	.3									2.1	4.0
W	.[illegible]1	.[illegible]7										.[illegible]7	2.[illegible]
WNW	.[illegible]7		.[illegible]7									1.0	4.3
NW			.[illegible]3									.3	[illegible].0
NNW	.[illegible]7	1.4	1.4	1.4								4.5	[illegible].1
VARBL													
CALM												1.[illegible]7	
	1.[illegible]1	[illegible]0.0	27.[illegible]3	[illegible]4.[illegible]5	1.4							[illegible]0.[illegible]3	6.8

TOTAL NUMBER OF OBSERVATIONS: 2[illegible]0

SMOS

2

SURFACE WINDS

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

STATION | STATION NAME | YEARS | 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]	[illegible]	[illegible]	2.8	.4							26.1	6.9
NNE	.4	[illegible]	[illegible]	.7								[illegible]	6.4
NE	1.[illegible]	1.	1.1									4.2	4.7
ENE	.[illegible]	1.4										1.[illegible]	3.8
E	[illegible]	.7	.[illegible]									4.[illegible]	3.3
ESE	1.[illegible]	1.	.4									3.[illegible]	4.4
SE	.[illegible]											.7	3.[illegible]
SSE	1.1	2.1			.4				.4			3.[illegible]	8.6
S	1.	[illegible]	1.	7.[illegible]	.4							12.7	6.8
SSW	.[illegible]	1.[illegible]	4.[illegible]	2.2	.4							10.6	9.6
SW	.[illegible]	1.1	.[illegible]	.4								2.[illegible]	6.4
WSW	.[illegible]	1.1	.4									1.[illegible]	4.2
W	1.1											1.1	1.[illegible]
WNW													
NW	.[illegible]	.[illegible]										1.1	2.7
NNW	1.1	2.[illegible]	2.[illegible]	.4								6.3	6.1
VARBL													
CALM												10.[illegible]	
	1[illegible].0	34.[illegible]	23.6	10.2	1.4				.4			100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2[illegible]4

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

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

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

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	.4	11.7	11.2	4.[illegible]	.8							30.7	7.3
NNE	.2	4.5	3.[illegible]	1.8	.[illegible]	.2						10.[illegible]	7.1
NE	1.[illegible]	1.5	1.9	.6								4.[illegible]	6.2
ENE	.[illegible]	1.3	1.1	.2								2.1	6.4
E	.[illegible]	1.[illegible]	1.	.2								3.8	5.4
ESE	.2	.2	.[illegible]									2.3	5.1
SE	.[illegible]	.[illegible]	.1									1.0	4.0
SSE	.[illegible]	.9	.[illegible]	.1	.1				.[illegible]			2.3	6.8
S	1.2	4.4	3.2	3.6	.7	.1						13.3	6.8
SSW	.[illegible]	1.[illegible]	1.3	2.6	1.3	.2	.[illegible]					10.1	10.2
SW	.[illegible]	.2	.4	.3	.1							2.2	7.1
WSW	.[illegible]	.[illegible]	.[illegible]									1.1	4.6
W	.[illegible]	.[illegible]										.[illegible]	1.5
WNW	.4	.1	.1									.6	3.6
NW	.4	.4	.1									1.0	4.0
NNW	1.4	1.[illegible]	2.2	1.5	.1							7.[illegible]	7.5
VARBL													
CALM												5.1	
	14.4	32.4	29.6	14.7	3.2	.4	.0		.[illegible]			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2037

ENDS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN (STATION / STATION NAME) 76-80 (YEARS) OCT (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	7.5	31.6	1 .7	2.2		.5						53.5	5.7
NNE	.5	4.3	4.3	.5			.5					10.2	7.5
NE	.5	.5	1.1	.5								2.7	6.6
ENE													
E	.5											.5	2.0
ESE													
SE													
SSE	.5	.5										1.1	3.5
S	.		.5	1.1								2.1	9.5
SSW	1.1	2.1			1.1							4.3	8.0
SW			.5	.5	.5							1.6	13.0
WSW	.											.5	2.0
W													
WNW	1.1											1.1	1.5
NW	.5	1.5	.5									2.7	5.0
NNW	1.1	5.3	6.4	1.1								14.4	6.7
VARBL													
CALM												5.3	
	14.4	46.5	24.1	7.0	1.6	.5	.5					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 187

ERROS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

ATSUGI, JAPAN (STATION / STATION NAME) 76-8 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

(HOURS (L.S.T.))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	27.5	19.2	2.7	1.1	.5						50.4	6.2
NNE	7.2	5.5	3.3	1.1								12.1	6.5
NE	.5	2.7										2.7	4.6
ENE													
E													
ESE													
SE													
SSE													
S				.5		.5	.5					1.5	21.3
SSW		1.1	1.1			.5						2.7	10.4
SW		.5	1.1									1.6	7.0
WSW													
W													
WNW	1.1											1.1	2.0
NW	.5		1.6	1.1								3.3	8.8
NNW	3.3	2.7	2.7	1.1								9.3	6.5
VARBL													
CALM												4.9	
	17.5	39.6	29.1	6.6	1.1	1.1	.5					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 182

BIROS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ OCT 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	.6	2.5	2.5	2.8	.3	.3						12.4	6.7
NNE	3.5	3.4	3.5	1.7	.3							15.7	6.1
NE	1.5	1.7	1.4	.3								4.5	6.0
ENE													
E	.7											.7	2.0
ESE													
SE													
SSE													
S	.7	.3			.3							1.0	7.3
SSW			.7	1.0								1.7	10.6
SW		.3	.7									1.0	7.0
WSW	.3			.7								.7	7.0
W	.3			.3								.7	7.5
WNW	1.0											1.0	1.3
NW	.7	1.7	.7									2.5	4.6
NNW	1.0	3.5	5.6	1.7	.3							12.2	7.5
VARBL													
CALM												2.5	
	14.2	37.3	35.1	8.3	1.4	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 298

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

A[illegible], GA. | 57-62 | OCT
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 06
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	11.7	26.[illegible]	8.1	1.1							[illegible]	8.3
NNE	.[illegible]	4.5	7.8	5.3	.4							20.[illegible]	8.[illegible]
NE	1.[illegible]	1.1	1.[illegible]	2.1								6.4	8.2
ENE	.[illegible]	.[illegible]	.7									1.4	5.3
E	.[illegible]	1.1										1.[illegible]	3.4
ESE	.[illegible]											.7	1.5
SE													
SSE	.[illegible]											.4	2.5
S	.[illegible]	.[illegible]		.7		.4						2.1	9.7
SSW			.[illegible]	1.1	1.1							2.[illegible]	13.5
SW	.[illegible]	.[illegible]		.4								1.4	5.0
WSW	.[illegible]	.[illegible]		.[illegible]								1.[illegible]	7.4
W													
WNW		.[illegible]										.4	4.0
NW	.[illegible]	.[illegible]		.4								1.4	7.3
NNW	.[illegible]	1.[illegible]	1.[illegible]	2.1								[illegible]	9.5
VARBL													
CALM												1.[illegible]	
	12.[illegible]	22.[illegible]	3[illegible].[illegible]	20.[illegible]	2.[illegible]	.4						1[illegible].[illegible]	8.[illegible]

TOTAL NUMBER OF OBSERVATIONS 243

SURFACE WINDS

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

STATION [illegible] JAPAN STATION NUMBER [illegible] YEARS OCT MONTH

ALL [illegible] 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	4.4	1[illegible].[illegible]	11.4	.7							30.4	9.4
NNE	1.[illegible]	6.4	1 .4	3.6	1.8	.4						23.[illegible]	8.8
NE	1.1	3.	4.[illegible]	1.1								10.[illegible]	7.0
ENE	.7	2.1	2.1		.4							5.4	6.9
E	.[illegible]	1.	.4									2.[illegible]	5.1
ESE	1.1	1.1	.4									2.[illegible]	3.7
SE	.[illegible]											.4	3.0
SSE	1.1	2.	.4	.4			.4					5.	6.9
S	.7	.7	1.[illegible]	1.1	.7							5.[illegible]	9.7
SSW	.[illegible]	1.4	1.4	3.6		.4						7.1	11.1
SW	.[illegible]	.[illegible]				.4						.7	15.0
WSW	.[illegible]	.4				.4						1.1	10.0
W													
WNW													
NW													
NNW	.[illegible]	.7	1.[illegible]	.7	.4							3.[illegible]	[illegible].1
VARBL													
CALM												1.4	
	.[illegible]	28.2	33.2	21.8	3.9	1.4	.4					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS [illegible]280

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS 73-83 MONTH OCT

CLASS ALL WEATHER HOURS (L S T) 1[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]	4.[illegible]	[illegible].[illegible]	6.3	1.1							17.[illegible]	9.3
NNE		[illegible]	4.[illegible]	[illegible].2	1.1							14.[illegible]	[illegible].3
NE	[illegible]	[illegible]	[illegible].[illegible]	[illegible].1								11.[illegible]	[illegible].5
ENE	[illegible]	1.[illegible]	1.[illegible]	.4								[illegible].[illegible]	7.1
E	.1	1.4	4.[illegible]	.4								[illegible].8	6.4
ESE	[illegible]	[illegible].[illegible]	[illegible].[illegible]									.6	6.6
SE	[illegible]	[illegible].1	1.[illegible]									[illegible].[illegible]	5.9
SSE		[illegible].1	[illegible]	.4								2.1	[illegible].5
S	[illegible]	[illegible]	[illegible].[illegible]	1.4	.7							13.[illegible]	[illegible].[illegible]
SSW		[illegible]	[illegible]	4.[illegible]	.7	.4						[illegible].[illegible]	10.4
SW			[illegible]	.4	1.1							1.[illegible]	13.2
WSW			[illegible]		.[illegible]							.[illegible]	14.[illegible]
W													
WNW				.[illegible]								.4	15.[illegible]
NW	.[illegible]											.[illegible]	1.[illegible]
NNW	.[illegible]	1.1	1.[illegible]	1.1								[illegible].[illegible]	[illegible].[illegible]
VARBL													
CALM												1.[illegible]	
	.4	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	4.[illegible]	.4						1[illegible].[illegible]	[illegible].4

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

SURFACE WINDS

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

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

CLASS ALL WEATHER HOURS 1 & 7

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	[illegible]	[illegible]	[illegible]	.7							12.2	9.2
NNE	.1	[illegible]	2.0	1.4	1.1							11.[illegible]	7.3
NE	1.[illegible]	2.4	1.[illegible]	.7								5.[illegible]	6.2
ENE	.7	[illegible]	1.[illegible]	.7								[illegible].3	5.9
E	2.[illegible]	[illegible].1	1.7	.7								7.7	5.2
ESE	1.[illegible]	.7	1.[illegible]									2.[illegible]	5.7
SE	.[illegible]	.3										1.[illegible]	2.3
SSE	.[illegible]	.7		.7								1.7	4.4
S	2.[illegible]	4.7	1.7	.7	.7							9.4	5.4
SSW	2.[illegible]	7.[illegible]		1.4	.3							[illegible].4	6.[illegible]
SW	2.[illegible]	3.1	1.[illegible]	.7								5.[illegible]	4.6
WSW	1.[illegible]	1.4	.[illegible]	.7								3.[illegible]	4.9
W	1.[illegible]											1.[illegible]	2.3
WNW													
NW	.[illegible]		.[illegible]									1.[illegible]	[illegible].3
NNW	.7	1.7	1.7	2.1								[illegible].3	3.2
VARBL													
CALM												7.[illegible]	
	27.[illegible]	34.5	20.[illegible]	11.[illegible]	2.1							1[illegible].2	5.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2[illegible]7

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER HOURS (LST) 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	[illegible]	1 [illegible]	1 [illegible]	1 [illegible]	[illegible]	[illegible]	.4					3 [illegible]	[illegible]
NNE	[illegible]	[illegible]	[illegible]	2 [illegible]	[illegible]							14 [illegible]	[illegible]
NE	1 [illegible]	[illegible]	[illegible]									[illegible]	[illegible]
ENE	1.1	[illegible]	[illegible]									[illegible]	3.6
E	[illegible]		[illegible]									1 [illegible]	4.5
ESE	[illegible]	[illegible]										[illegible]	3.5
SE	[illegible]	[illegible]		[illegible]								1.1	[illegible]
SSE	[illegible]			[illegible]								1 [illegible]	[illegible]
S	[illegible]	1.1	1.1	[illegible]	[illegible]							[illegible]	5.5
SSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	3.7
SW	[illegible]	1 [illegible]	[illegible]	[illegible]								[illegible]	5.5
WSW	[illegible]	1.1										1 [illegible]	4.5
W													
WNW		[illegible]										[illegible]	5.5
NW	[illegible]	[illegible]	[illegible]									6 [illegible]	3.5
NNW	[illegible]	4 [illegible]	5 [illegible]	1.1								17 [illegible]	5.4
VARBL													
CALM												8 [illegible]	
	2 [illegible]	3 [illegible]	22 [illegible]	7.1	1 [illegible]	.4	.4					1 [illegible]	5.6

TOTAL NUMBER OF OBSERVATIONS [illegible]

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

SURFACE WINDS

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

[illegible], JAPAN — [illegible] — YEARS — OCT

STATION — STATION NAME — 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	[illegible].4	14.6	13.[illegible]	5.2	.7	.2	.[illegible]					38.5	7.3
NNE	.2	5.6	[illegible].1	2.6	.7	.[illegible]	.[illegible]					16.2	7.6
NE	1.1	2.1	2.[illegible]	.9								6.2	6.9
ENE	.	1.1	.[illegible]	.1	.[illegible]							2.6	6.1
E	1.[illegible]	1.[illegible]	1.1	.1								3.1	5.4
ESE	.	.[illegible]	.[illegible]									1.7	5.3
SE	.[illegible]	.4	.[illegible]	.[illegible]								.[illegible]	5.2
SSE	.[illegible]	.[illegible]	.1	.[illegible]			.[illegible]					1.[illegible]	6.1
S	1.1	1.[illegible]	1.[illegible]	.[illegible]	.3	.1	.[illegible]					[illegible].1	7.9
SSW	.[illegible]	1.[illegible]	.[illegible]	1.6	.[illegible]	.1						5.[illegible]	9.6
SW	.[illegible]	.7	.[illegible]	.[illegible]	.[illegible]	.[illegible]						2.[illegible]	7.4
WSW	.	.4	.1	.[illegible]	.[illegible]	.[illegible]						1.4	6.5
W	.[illegible]			.[illegible]								.[illegible]	4.4
WNW	.[illegible]	.1		.[illegible]								.[illegible]	3.7
NW	.[illegible]	.[illegible]	.4	.1								2.2	5.0
NNW	1.[illegible]	2.[illegible]	3.[illegible]	1.4	.1							[illegible].[illegible]	7.4
VARBL													
CALM												4.1	
	1 .4	33.3	30.4	13.[illegible]	2.5	.6	.2					1 [illegible].[illegible]	6.9

TOTAL NUMBER OF OBSERVATIONS 2372

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible], JAPAN — STATION — STATION NAME — 76-[illegible] — YEARS — NOV — 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	1.[illegible]	21.1	17.7	2.9	.6							54.[illegible]	5.9
NNE	1.[illegible]	[illegible]	[illegible].4	.6								3.6	6.2
NE		1.1	.[illegible]									1.7	6.0
ENE		.1		.6								1.7	6.7
E			.[illegible]									.6	10.0
ESE													
SE													
SSE			.[illegible]									.6	8.0
S	.1	.[illegible]	.6	.4								2.[illegible]	6.2
SSW		.1	1.1	.6	.6							3.4	15.8
SW		.[illegible]	1.[illegible]									1.7	7.0
WSW													
W	.1											1.1	1.5
WNW		.[illegible]										.[illegible]	4.[illegible]
NW	1.1											1.1	3.0
NNW	.4	[illegible].4	[illegible].[illegible]	.6								14.[illegible]	5.3
VARBL													
CALM												6.[illegible]	
	1.1	36.6	28.6	5.7	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 175

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

SURFACE WINDS

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

A[illegible], JAPA — STATION — STATION NAME

76-[illegible] — YEARS

NOV — MONTH

ALL WEATHER — CLASS

03 — 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	27.1	1[illegible].6	5.9								53.[illegible]	6.1
NNE	.4	4.[illegible]	4.3	1.1								15.6	5.6
NE	.	.[illegible]	1.1									2.2	5.5
ENE		.										.[illegible]	4.0
E													
ESE													
SE													
SSE													
S				1.1								1.1	12.5
SSW	.	.[illegible]	1.[illegible]									2.7	5.8
SW		.		.5								1.1	10.5
WSW													
W		.										.[illegible]	4.0
WNW	.											.[illegible]	1.0
NW	.[illegible]	1.1										1.[illegible]	3.3
NNW	[illegible].[illegible]	4.[illegible]	[illegible].2									10.[illegible]	5.5
VARBL													
CALM												9.7	
	1[illegible].4	36.6	25.[illegible]	8.6								1[illegible]0.0	5.4

TOTAL NUMBER OF OBSERVATIONS 196

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] JAPAN — STATION / STATION NAME

[illegible]-62 — 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	1.3	21.1	15.5	3.1	.7							51.7	5.4
NNE	3.	4.7	3.5	.7	.4							13.7	5.9
NE	1.4	1.	.7	.4								4.2	5.0
ENE	.7											.7	2.0
E													
ESE	.4											.4	1.0
SE	.4		.4									.7	5.0
SSE													
S	.4	.4	.4	.4			.4					1.5	11.8
SSW		.7	.4	1.1								2.1	9.3
SW			.	.4								.7	11.5
WSW			.									.4	9.0
W													
WNW	.7	.4										1.1	3.0
NW	1.4	1.4										2.	3.3
NNW	1.	4.	3.5	1.1	.4							12.7	6.8
VARBL													
CALM												7.3	
	22.2	3 .0	25.0	6.0	1.4		.4					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 294

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

JAPAN — STATION — STATION CODE — 72-73 YEARS — NOV 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	2.7	14.3	13.5	6.2	1.1							48.1	7.6
NNE	2.4	11.3	5.1	2.9	.7							21.7	7.1
NE	.7	2.2	2.2									5.1	6.3
ENE	1.1	.7	.7									2.6	4.0
E	.7	.7										1.1	4.3
ESE	.4											.4	2.0
SE	.4											.4	3.0
SSE	.4	.4										.7	3.5
S	.7			.4								1.1	6.3
SSW		.4		1.1	.4	.4						2.2	14.8
SW	.4	.7	.7	.4		.7						2.9	11.3
WSW													
W		.4										.4	5.5
WNW			.4									.4	9.0
NW	1.0	.4		.4								2.2	4.7
NNW	1.1	2.2	1.1	2.2	.4							9.0	8.5
VARBL													
CALM												5.5	
	19.0	32.7	32.0	13.6	2.6	1.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 272

SMOS

SURFACE WINDS

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

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION: A[illegible], JAPAN STATION NUMBER: YEARS: 7?-8? MONTH: NOV

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		[illegible]6	1[illegible].4	[illegible].4	1.5	.4						25.2	10.3
NNE	.1	.2	[illegible].9	3.7	.4							19.3	6.4
NE	.[illegible]	5.2	4.[illegible]	1.1								11.5	7.4
ENE	1.[illegible]	1.[illegible]	1.1	.4								4.8	5.1
E	1.1	1.1	.[illegible]									[illegible].[illegible]	4.8
ESE	.[illegible]	1.[illegible]										1.9	4.6
SE	1.1	1.1	.4									2.[illegible]	4.3
SSE	1.1	2.2										3.3	4.[illegible]
S	1.1	2.[illegible]	2.[illegible]	3.[illegible]								9.[illegible]	8.4
SSW	.[illegible]	.[illegible]	2.7	3.3	1.5	.4	.4					[illegible].5	13.3
SW			.[illegible]	1.1	1.1							3.3	14.8
WSW													
W				.4								.4	15.0
WNW													
NW													
NNW		.[illegible]	2.2	1.5	.7							4.[illegible]	10.8
VARBL													
CALM												2.[illegible]	
	.5	2[illegible].7	34.1	21.9	5.2	.[illegible]	.4					1[illegible].[illegible]	8.7

TOTAL NUMBER OF OBSERVATIONS 270

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

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

ATSUGI, JAPAN (STATION / STATION NAME) 73-82 (YEARS) NOV (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	4.7	8.[illegible]	5.1	1.1	.7						20.4	9.7
NNE	1.1	3.[illegible]	5.[illegible]	4.[illegible]	.4							14.5	[illegible].8
NE	1.1	3.[illegible]	4.4	1.1								10.2	7.0
ENE	.7	1.[illegible]	2.[illegible]									5.1	6.3
E	1.[illegible]	1.[illegible]	1.1									4.7	4.8
ESE		1.[illegible]	2.[illegible]									3.[illegible]	6.7
SE	.7	1.[illegible]	1.[illegible]									4.[illegible]	5.6
SSE	.[illegible]	1.[illegible]	.4									2.[illegible]	4.8
S	1.1	4.[illegible]	[illegible].1	3.3								13.5	8.0
SSW	.4	2.[illegible]	3.[illegible]	2.[illegible]	.7							9.5	9.3
SW		.[illegible]	.7	1.[illegible]	1.8	.4						4.7	15.4
WSW				.4	.4							.7	16.5
W				.[illegible]								.7	12.[illegible]
WNW		.4										.4	4.0
NW			.4	.4								.7	12.0
NNW		.4		1.1	.4							1.[illegible]	12.8
VARBL													
CALM												2.[illegible]	
	.4	27.6	35.6	20.0	4.7	1.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

SURFACE WINDS

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

STATION	STATION CLASS	YEARS	MONTH
[illegible]GI, JAPAN	[illegible]-[illegible]		NOV

ALL WEATHER — CLASS

1[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	.1	12.4	[illegible]	2.9	1.1							[illegible]	7.0
NNE	1.[illegible]	[illegible]	3.[illegible]	1.[illegible]								13.1	6.8
NE	1.[illegible]	1.[illegible]	1.1	1.1								[illegible]	6.1
ENE	1.[illegible]	2.2	.[illegible]									4.4	4.5
E	1.1	2.2	.[illegible]									4.[illegible]	4.7
ESE	.[illegible]	1.[illegible]										1.[illegible]	4.6
SE	.[illegible]	1.1										1.[illegible]	3.[illegible]
SSE	1.1	.[illegible]										1.[illegible]	3.4
S	.[illegible]	1.1	1.[illegible]		.[illegible]							4.[illegible]	3.4
SSW	1.[illegible]	2.[illegible]	1.1	2.[illegible]								7.3	7.1
SW	1.1	1.1	.4	.[illegible]	.4							[illegible]	8.1
WSW	.[illegible]	.[illegible]	.[illegible]	1.[illegible]								[illegible]	7.9
W	.[illegible]											.[illegible]	2.0
WNW	.[illegible]											.4	3.0
NW	.[illegible]	.[illegible]		.4								1.8	5.2
NNW	.[illegible]	2.[illegible]	2.2	1.[illegible]								6.[illegible]	8.0
VARBL													
CALM												8.4	
	[illegible].0	36.0	21.[illegible]	12.0	2.2							[illegible].0	6.1

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible], JAPAN STATION NAME YEARS: 73-[illegible] MONTH: NOV

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	.0	13.[illegible]	14.7	4.9								39.1	6.7
NNE	2.[illegible]	4.1	5.6	1.[illegible]	.4							14.[illegible]	7.1
NE	.[illegible]	2.3	.4	.4								3.[illegible]	5.1
ENE	.[illegible]	.[illegible]	.4									1.1	4.3
E	.4	.4										.[illegible]	3.[illegible]
ESE													
SE	.[illegible]											.4	3.[illegible]
SSE		.[illegible]										.[illegible]	4.[illegible]
S	.[illegible]	.[illegible]	.4									1.[illegible]	3.8
SSW	.[illegible]	1.1	1.1	1.[illegible]								4.1	[illegible].9
SW	.[illegible]	.[illegible]	.4	.4								1.[illegible]	7.[illegible]
WSW	.[illegible]	.4	.[illegible]	.4								1.[illegible]	7.4
W	.[illegible]			.4								1.1	6.7
WNW	.1		.[illegible]									1.[illegible]	4.4
NW	.[illegible]	[illegible].[illegible]		.4								7.1	4.1
NNW	1.[illegible]	6.[illegible]	5.3	1.0								15.[illegible]	6.5
VARBL													
CALM												[illegible].3	
	1[illegible].2	33.[illegible]	29.7	11.7	.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ATSUGI, JAPAN

SURFACE WINDS

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

ATSUGI, JAPAN — STATION — STATION NAME — 72-[illegible] — YEARS — NOV — 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]	17.[illegible]	13.[illegible]	4.7	.9	.1						[illegible]8.7	7.1
NNE	.[illegible]	5.6	[illegible].1	2.1	.3							15.4	7.2
NE	.	2.[illegible]	2.	.[illegible]								[illegible].[illegible]	6.5
ENE	.	1.	.	.1								2.7	[illegible].[illegible]
E	.[illegible]	.	.[illegible]									1.9	4.8
ESE	.	.	.[illegible]									1.1	5.3
SE	.	.[illegible]	.[illegible]									1.[illegible]	4.6
SSE	.[illegible]	.[illegible]	.1									1.[illegible]	4.2
S	.[illegible]	1.[illegible]	1.4	1.1	.1		.[illegible]					4.6	8.1
SSW	.[illegible]	1.1	1.[illegible]	1.6	.4	.1	.[illegible]					[illegible].[illegible]	10.0
SW	.	.4	.[illegible]	.6	.4	.1						2.[illegible]	11.6
WSW	.[illegible]	.1	.[illegible]	.3	.[illegible]							.9	8.8
W	.	.1		.[illegible]								.[illegible]	6.3
WNW	.[illegible]	.1	.1									.[illegible]	4.0
NW	1.	.[illegible]	.	.2								[illegible].[illegible]	4.4
NNW	[illegible].2	3.[illegible]	2.[illegible]	1.[illegible]	.2							9.2	7.2
VARBL													
CALM												5.[illegible]	
	1 .1	33.3	[illegible].2	12.9	2.3	.4	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2003

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION _____ STATION NAME _____ 76-5 YEARS DEC MONTH

ALL WEATHER CLASS _____ GC 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	15.9	11.7	7.3								43.7	5.7
NNE	1.0	7.7	7.7	1.7								9.3	7.4
NE	.			.7								2.1	4.8
ENE	.7											.7	2.0
E	.7											.7	1.5
ESE													
SE													
SSE													
S													
SSW		1.7			.7							2.1	9.3
SW		.7	.7	.7								2.0	8.7
WSW	.7	.7										1.7	3.5
W		1.0	.7									2.0	5.7
WNW	.7	.7		.7								2.0	7.3
NW	1.7	3.3	.7									5.7	4.3
NNW	3.3	7.0	.7	.7								19.9	5.7
VARBL													
CALM												8.8	
	14.9	41.1	22.7	7.3	.7							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 151

SMOS

SURFACE WINDS

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

STATION | STATION NAME | YEARS | MONTH

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.7	1.	2.	4.								42.7	5.5
NNE	.7	3.	2.	2.3								18.0	6.0
NE	1.		.7									2.0	4.3
ENE	1.											1.7	2.5
E	.	.										1.7	2.5
ESE													
SE													
SSE													
S													
SSW			1.		.7							2.3	11.7
SW				.7	.7							1.7	15.5
WSW	.		.7	.7								2.0	7.7
W		1.	.	.7								2.7	8.0
WNW		.		.7								1.7	9.0
NW	.	2.										5.3	3.9
NNW	.	4.7	4.7	.7								13.7	5.7
VARBL													
CALM												6.7	
	.	34.	19.3	10.7	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS DEC MONTH

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	.3	1.2	1.1	.	.4							3.1	5.2
NNE	.6	.	.4	.2	.4							1.	5.5
NE	1.2	1.2										2.	3.7
ENE	.											.	3.
E	.											.	2.
ESE		.										.	4.
SE													
SSE													
S				.6								.	12.3
SSW		.	1.		.							2.	12.7
SW			.	.4								.	10.
WSW		.	1.2									1.	9.3
W	.	.		.4								1.	6.
WNW	1.2	1.2										2.	4.2
NW	.4	2.	.4									3.	4.9
NNW	.	1.	2.4									1.3	5.4
VARBL													
CALM												.	
	22.	40.5	27.0	4.0	1.6							100.	5.2

TOTAL NUMBER OF OBSERVATIONS 25

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS ALL WEATHER

HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	18.6	12.4	3.6	1.7							42.4	6.6
NNE	.1	.4	.4	1.6								1.1	6.2
NE	.3	.1	1.4									6.2	4.8
ENE	.2	1.2		.4								2.1	4.5
E	.2	.2										.2	3.6
ESE													
SE	.2											.2	2.6
SSE	.2			.4								.2	7.0
S	.2	.2	.2		.4							.3	7.2
SSW	.2	.4	.2	.4								1.2	6.3
SW			.2	.4	.4							2.7	14.2
WSW				.4								.4	11.2
W		.2										.2	4.2
WNW		.2			.4							1.2	9.3
NW	.2	.2	.2	.4								2.3	6.2
NNW	.2	.3	.2	.4								1.1	6.1
VARBL													
CALM												.7	
	.4	35.1	25.4	8.5	2.7							100.7	5.8

TOTAL NUMBER OF OBSERVATIONS 2954

SMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH D C

CLASS ALL [illegible] 1

HOURS (L S T)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	5.1	4.1	5.								19.2	7.8
NNE		.	5.4	2.7	1.1							17.2	9.2
NE	.2	5.	3.4	1.9								14.3	6.9
ENE	.2	2.4	1.									7.1	4.9
E	1.	2.2										4.2	3.6
ESE	.	.	.									1.2	4.6
SE	.	.	.									1.5	5.3
SSE	1.	1.		.4								3.	4.6
S	.	2.3	2.4	.	.4							7.1	7.6
SSW	.	1.	1.1	.	.4	.4						4.6	9.8
SW	.		1.1	2.3	1.1	.						5.7	15.1
WSW		.	1.1	.	.4							2.1	10.0
W	.	.										1.1	2.3
WNW			.									.4	1.0
NW		.										.4	4.2
NNW	.	.	1.	.								3.1	3.4
VARBL													
CALM												4.2	
	1.4	31.2	31.4	15.3	3.4	1.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 241

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ DEC 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	.1	1.1	.2	2.6	.4	.4						10.2	9.5
NNE	.	4.5	4.5	3.4	.7							13.	8.6
NE	.	4.5	3.7	1.1								10.1	7.0
ENE	.	2.	3.	.4								6.2	5.6
E	.2	.	1.1									3.4	4.7
ESE	1.	2.2	.									4.5	4.3
SE	1.1	1.1	1.									4.1	5.6
SSE	.	2.	1.1	.4								4.	5.8
S	.	2.2	.4	1.9	.7							13.7	8.9
SSW	.	4.1	.	3.	1.5							10.1	10.7
SW	.			2.	.7	.						4.5	15.1
WSW													
W	.	.7	.									1.5	5.5
WNW				.7	.4							1.1	14.7
NW			.									.4	5.0
NNW	.	.	.	.4								1.5	8.5
VARBL													
CALM												1.1	
	1	17.7	31.	16.5	4.0	1.1						1 0.0	7.9

TOTAL NUMBER OF OBSERVATIONS 267

SMOS

12
2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

SURFACE WINDS

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

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

CLASS ALL WEATHER HOURS (L S T) 18

CONDITION

SPEED (KNTS) DIR.	1 - 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	.4	7.8	1.5	1.1							22.4	7.1
NNE	.4	5.6	4.5	1.5	.4							13.3	7.3
NE	.4	2.4	1.1	1.5								5.3	7.4
ENE	1.4	2.2	.7	.4								4.8	4.5
E	1.4	2.4	.8									4.6	3.7
ESE	.4	1.1										1.5	3.5
SE	.7											.7	3.2
SSE	.4	1.5		.4								2.2	4.8
S	1.7	1.8	.4	.7	.4							5.2	6.1
SSW	1.1	1.5	1.4	2.7								6.7	9.1
SW	.7	.7	.7		.7							5.2	8.2
WSW			1.4	1.1								3.0	9.6
W	.4	.4		.4								1.1	7.3
WNW	.1	.4										1.5	3.0
NW	.7	1.5	.4	.4								3.0	5.3
NNW	.1	2.4	.4	1.1								5.2	6.4
VARBL													
CALM												13.3	
	1.4	34.1	22.2	11.9	2.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 270

SMOS

SURFACE WINDS

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

STATION _____ STATION NAME _____ 73-77 YEARS DEC 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	.7	14.	7.1	1.7								10.2	5.6
NNE	.1	.7	5.4	1.7	.4							16.2	6.9
NE	.2	2.1	2.1									5.7	6.5
ENE		.2	.4									2.1	5.0
E													
ESE	.2											.4	2.5
SE													
SSE	.2											.2	1.5
S	1.2	.4										1.7	3.5
SSW	.2	.2	.2	1.7	.2							4.2	9.8
SW			.2	1.3								3.1	11.2
WSW		1.2	.2									2.1	5.6
W	.2		1.2									2.5	5.1
WNW	.1	1.2										3.3	3.1
NW	1.2	2.5										3.7	3.9
NNW	.4	9.3	1.2	1.2	.4							16.7	5.0
VARBL													
CALM												8.3	
	22.	42.0	20.4	7.1	1.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 240

BMOS

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ 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	.6	12.6	8.7	2.6	.4	.1						30.1	6.3
NNE	.3	.6	5.2	2.2	.4							16.2	7.1
NE	1.4	2.6	2.0	.7								6.7	6.4
ENE	1.4	1.6	.9	.2								4.2	4.9
E	1.1	1.0	.2									3.3	4.8
ESE	.4	.6	.2									1.2	4.1
SE	.4	.7	.3									1.5	5.1
SSE	.2	.2	.2	.2								1.0	5.1
S	.7	1.2	1.2	.5	.3							4.4	7.8
SSW	.6	1.3	.7	1.1	.6	.1						4.4	9.9
SW	.3	.7	1.2	1.1	.5	.2						3.2	12.6
WSW	.3	.4	.2	.4	.1							1.7	8.4
W	.2	.3	.4	.2								1.2	5.7
WNW	.2	.6	.1	.2	.1							1.2	5.9
NW	.2	1.0	.3	.1								2.7	4.7
NNW	.1	.7	.2	.1	.1							8.9	5.8
VARBL													
CALM												7.5	
	1.4	35.7	25.1	10.4	2.5	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1950

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: [illegible], JAPAN — STATION NAME — YEARS: [illegible] — MONTH: ALL

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	[illegible]	.4	[illegible]	4.1	.[illegible]	.1	.					[illegible].[illegible]	[illegible].2
NNE	[illegible]	4.[illegible]	4.[illegible]	1.[illegible]	.[illegible]	.[illegible]	.[illegible]					12.4	[illegible].3
NE	.[illegible]	[illegible]	1.[illegible]	.[illegible]	.[illegible]							5.3	6.5
ENE	.	1.[illegible]	.	.[illegible]	.[illegible]							[illegible].[illegible]	5.7
E	.	1.[illegible]	.	.[illegible]	.							[illegible].[illegible]	5.4
ESE	.	.[illegible]	.[illegible]	.1		.[illegible]						1.[illegible]	5.3
SE	.	.[illegible]	.[illegible]	.	.[illegible]	.[illegible]						1.[illegible]	5.0
SSE	.	1.	.[illegible]	.[illegible]	.1	.[illegible]	.[illegible]	.[illegible]	.[illegible]			[illegible].[illegible]	6.4
S	1.	[illegible].[illegible]	[illegible].	4.1	1.[illegible]	.[illegible]	.[illegible]	.[illegible]				15.[illegible]	[illegible].3
SSW	.	1.[illegible]	[illegible].[illegible]	[illegible].[illegible]	.9	.[illegible]	.1	.[illegible]				8.[illegible]	10.3
SW	.	.	.[illegible]	.[illegible]	.3	.1	.	.[illegible]				[illegible].[illegible]	[illegible].9
WSW	.	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.						1.[illegible]	7.3
W	.	.[illegible]	.[illegible]	.1								.[illegible]	4.8
WNW	.[illegible]	.[illegible]	.1	.1	.[illegible]							.[illegible]	4.5
NW	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]						1.[illegible]	4.8
NNW	[illegible].[illegible]	[illegible].	[illegible].[illegible]	.[illegible]	.1	.[illegible]						5.[illegible]	6.9
VARBL													
CALM												6.[illegible]	
	1[illegible].[illegible]	22.4	2[illegible].4	16.[illegible]	[illegible].3	.[illegible]	.1	.[illegible]	.[illegible]			1[illegible].[illegible]	7.1

TOTAL NUMBER OF OBSERVATIONS 23[illegible]4

SMOS

2

NAVAL SEA METEOROLOGY
UTTA UNIT
ADAK, ALASKA

SURFACE WINDS

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

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

INSTRUMENT CLASS ALL HOURS (L S T

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,
CONDITION
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	.6	12.4	12.2	6.9	.9	[illegible]	.0					36.4	7.4
NNE	[illegible]	5.4	3.0	1.2	.1		.0					13.3	6.1
NE	1.0	1.0	1.1	.2	.0							4.5	5.2
ENE	.[illegible]	.[illegible]	.4	.1								2.[illegible]	4.8
E	.7	.7	.[illegible]	.1								1.9	4.9
ESE	.4	.[illegible]	.[illegible]	.0		.[illegible]						.9	5.0
SE	.4	.4	.1	.[illegible]	.[illegible]	.[illegible]						1.[illegible]	4.9
SSE	.[illegible]	.[illegible]	.[illegible]	.2	.1	.[illegible]	.0	.0	.0			2.[illegible]	8.2
S	1.[illegible]	1.[illegible]	1.0	1.6	.8	.4	.2	.0				[illegible].4	9.5
SSW	.[illegible]	1.4	.[illegible]	.5	.3	.1	.[illegible]	.0				4.1	7.8
SW	.[illegible]	.[illegible]	.1	.1		.[illegible]		.0				1.2	5.3
WSW	.[illegible]	.[illegible]	.[illegible]	.0								.[illegible]	3.7
W	.[illegible]	.1	.1	.0								.[illegible]	3.1
WNW	.[illegible]	.1	.1	.0								.0	2.9
NW	.[illegible]	.[illegible]	.1	.2	.0							1.[illegible]	5.[illegible]
NNW	1.[illegible]	2.3	2.2	1.8	.5	.[illegible]						8.3	8.2
VARBL													
CALM												9.[illegible]	
	[illegible].0	30.0	23.7	13.1	2.9	.7	.3	.1	.0			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 4113

SMOS

NOAA, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

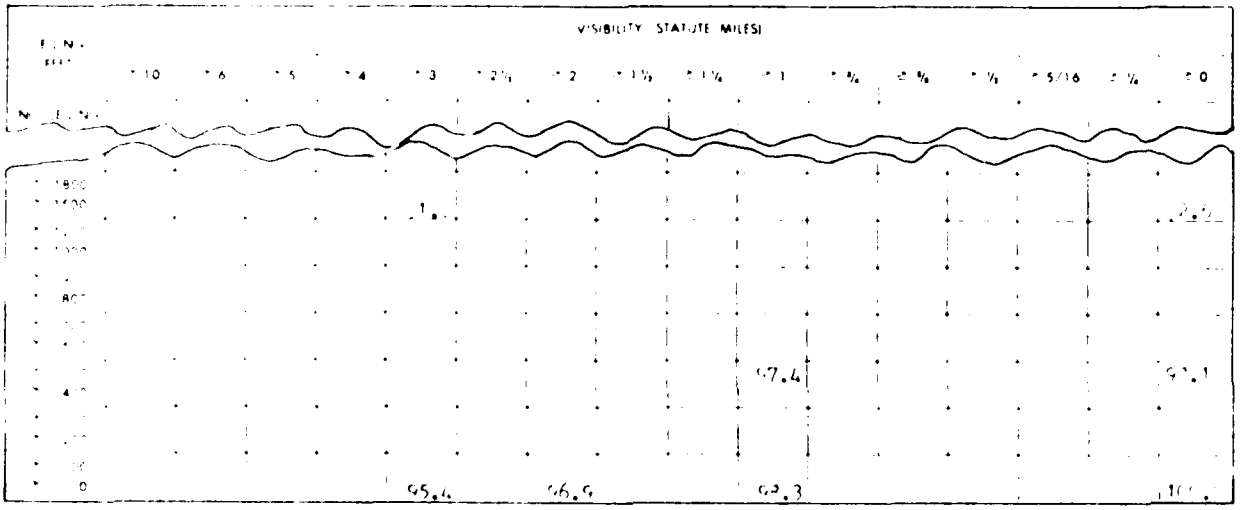
This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION



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 months and annual - all hours and all years combined.

2. By months - 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

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	≥0
NO CEILING	1.[illegible]	[illegible]	[illegible]	53.5	54.[illegible]	[illegible]	54.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	[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]
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	57.1	[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]
≥ 9000	[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]
≥ 7000	[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]
≥ 5000	[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]
≥ 4000	[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]
≥ 3000	[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]
≥ 2000	[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]
≥ 1500	[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]
≥ 1000	[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]
≥ 800	[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]
≥ 600	[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]
≥ 400	[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]
≥ 200	[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]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 142

DIRNAVOCEANMET SMOS

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	≥ 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 5MOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
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 234

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING					58.3	59.5	60.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000					65.3	66.4	67.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000					65.3	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000					65.3	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000					66.1	67.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000					67.1	69.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000					70.3	71.9	73.0	73.0	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000					70.9	72.3	73.4	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000					74.1	75.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000					75.2	76.6	77.7	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000					76.6	77.1	79.2	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000					79.9	81.4	82.5	82.5	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500					79.9	81.6	83.6	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0
≥ 4000					85.8	87.6	89.4	90.5	90.5	90.5	90.5	90.9	90.9	90.9	90.9	90.9
≥ 3500					89.4	91.6	93.4	94.5	94.5	94.5	94.5	94.9	94.9	94.9	94.9	94.9
≥ 3000					89.4	92.0	93.8	94.9	94.9	94.9	94.9	95.3	95.3	95.3	95.3	95.3
≥ 2500					91.2	93.4	95.3	96.4	96.7	96.7	96.7	97.1	97.1	97.1	97.1	97.1
≥ 2000					91.6	93.8	95.6	96.7	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5
≥ 1800					91.6	93.8	95.6	96.7	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5
≥ 1500					91.6	94.2	96.0	97.1	97.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8
≥ 1200					92.0	94.5	96.4	97.5	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2
≥ 1000					92.0	94.5	96.4	97.8	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5
≥ 900					92.0	94.5	96.4	97.8	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5
≥ 800					92.3	94.9	96.7	98.2	98.5	98.5	98.5	98.9	99.3	99.3	99.3	99.3
≥ 700					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.3	99.6	99.6	99.6	99.6
≥ 600					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 500					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 400					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 300					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 200					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 100					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0
≥ 0					92.3	95.3	97.1	98.5	98.9	98.9	98.9	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2[illegible]

DIFS/AVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L.S.T. 1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	1.4	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000	5.4	63.6	69.1	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	.4	65.6	69.1	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 16000	5.4	65.6	69.1	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	5.4	66.0	69.4	69.5	70.9	70.9	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 12000	6.2	67.7	72.5	73.0	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	7.0	69.1	73.9	74.3	74.4	74.4	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	7.4	69.1	73.9	74.3	75.4	75.4	75.4	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	7.7	73.0	78.5	79.0	81.4	81.4	81.4	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	8.2	73.3	78.9	79.3	81.8	81.8	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000	8.5	74.0	79.6	80.0	82.5	82.5	82.5	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	9.1	75.4	81.0	81.4	84.2	84.2	84.2	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	9.5	77.5	83.4	83.8	86.7	87.0	87.0	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4000	9.5	78.7	84.6	85.0	88.2	90.9	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	9.9	81.1	87.4	87.8	92.3	93.3	93.3	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	10.3	82.4	88.8	89.5	93.2	94.3	94.4	95.4	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	10.9	82.8	89.2	89.9	93.7	94.7	95.4	95.8	96.8	96.8	97.2	97.5	97.5	97.5	97.5	97.5
≥ 2000	11.3	83.2	89.7	90.3	94.1	95.4	96.1	96.5	97.5	97.5	97.9	98.3	98.3	98.3	98.3	98.3
≥ 1800	11.3	83.2	89.7	90.3	94.5	95.4	96.1	96.5	97.5	97.5	97.9	98.3	98.3	98.3	98.3	98.3
≥ 1500	11.3	83.2	89.7	90.3	94.5	95.4	96.1	96.5	97.5	97.5	97.9	98.3	98.3	98.3	98.3	98.3
≥ 1200	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.3	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.3	99.2	99.0	99.3	99.7	99.7	99.7
≥ 700	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 600	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 500	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 400	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 300	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 200	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 100	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0
≥ 0	11.3	83.2	89.7	90.5	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 295

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING					61.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000					68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000					68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000					68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000					68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000					71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000					73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000					73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000					75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000					76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000					77.6	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000					79.3	80.0	80.3	80.7	80.7	81.7	80.7	81.7	80.7	80.7	80.7	80.7
≥ 4500					81.4	84.5	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000					84.1	88.3	89.0	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500					85.5	89.7	90.3	91.0	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000					86.9	91.4	92.8	93.5	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2500					93.1	94.5	95.2	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000					93.8	95.2	95.9	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800					93.8	95.2	95.9	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500					94.1	95.9	97.2	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 900					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 800					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 700					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 600					94.1	95.9	97.6	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 500					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 400					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 300					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 200					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 100					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0
≥ 0					94.1	95.9	97.6	98.3	98.6	99.3	99.3	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2 96

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16 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]	5 .7	5 .3	54.1	59.1	59.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	[illegible]	63.9	58.7	57.8	63.1	64.1	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	[illegible]	64.0	5 .1	63.1	63.3	64.4	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	[illegible]	64.1	59.1	63.1	63.3	64.4	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000	[illegible]	64.1	59.1	63.1	63.3	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	2.4	56.3	59.4	60.2	66.1	67.9	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	5.7	60.3	62.3	64.7	71.3	73.0	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000	[illegible]	.2	62.1	62.4	72.1	73.7	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	[illegible]	63.7	65.7	66.2	75.1	77.2	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000	[illegible]	64.1	66.1	66.5	75.4	77.5	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	[illegible]	64.1	66.1	66.5	75.4	77.5	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	[illegible]	66.1	68.2	78.2	80.1	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	3.7	69.2	71.4	74.4	82.4	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	[illegible]	73.4	75.8	78.2	88.2	91.3	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500	[illegible]	74.1	76.5	79.6	88.9	92.0	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000	[illegible]	75.1	77.5	80.6	90.2	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	[illegible]	75.5	78.2	81.3	91.4	94.9	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	[illegible]	75.8	78.2	81.3	91.7	95.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	[illegible]	75.9	78.2	81.3	91.7	95.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	[illegible]	76.1	78.6	81.7	92.0	95.9	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	[illegible]	76.1	78.6	81.7	92.4	95.9	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.0	99.0	99.0	99.0	99.1	99.3	99.0	99.0	99.0
≥ 900	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	76.1	78.6	81.7	92.4	96.2	97.9	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 289

DIFAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	2•	5•3	6•2	61.8	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000	•	74.2	57.7	59.4	64.6	64.6	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	•	74.2	57.7	59.4	64.6	64.6	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	•	74.2	57.7	59.4	64.6	64.6	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	•	74.2	58.1	59.5	65.0	65.0	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	1.2	59.1	55.2	66.6	66.3	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	5.7	61.0	63.8	63.5	72.4	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	.1	61.8	64.6	66.3	72.8	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	.2	66.7	66.8	71.1	78.1	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	.2	66.7	67.5	71.5	78.5	78.9	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	1.4	67.3	71.7	72.8	79.7	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 5000	5.2	71.1	74.0	76.0	82.9	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500	6.7	74.4	77.2	79.3	86.2	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4000	8.1	75.8	78.6	80.8	88.0	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	8.7	76.4	79.2	81.3	89.2	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	9.7	77.2	80.0	82.2	90.2	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	9.1	77.6	81.7	83.7	92.1	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	9.1	77.6	81.7	83.7	93.5	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	9.1	77.6	81.7	83.7	93.5	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	9.5	78.0	82.1	84.1	93.9	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 300	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 200	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 100	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0	•	78.5	82.6	84.6	94.3	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 246

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL DETACHMENT

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-76 YEARS JAN MONTH

ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≤ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	[illegible]	59.3	56.9	59.5	59.9	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	[illegible]	56.[illegible]	59.3	61.0	64.2	64.6	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	[illegible]	56.[illegible]	59.3	61.1	64.3	64.7	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	[illegible]	56.3	59.3	61.1	64.3	64.7	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	[illegible]	57.2	59.7	61.5	64.8	65.3	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	[illegible]	59.3	62.1	63.6	67.3	67.9	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	[illegible]	62.3	65.3	67.2	71.1	71.8	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 9000	[illegible]	62.6	65.7	67.6	71.7	72.3	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000	[illegible]	65.9	69.2	71.4	75.8	76.5	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	[illegible]	66.3	70.2	72.4	76.8	77.5	77.9	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5
≥ 6000	[illegible]	67.9	71.8	73.8	78.0	78.7	79.1	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7
≥ 5000	[illegible]	70.4	73.9	76.2	81.0	81.7	82.1	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7
≥ 4500	[illegible]	73.1	76.6	79.1	84.1	85.0	85.5	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	[illegible]	76.1	79.8	82.7	88.9	89.9	90.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3500	[illegible]	77.0	81.[illegible]	84.1	9[illegible].6	91.7	92.5	93.1	93.2	93.3	93.3	93.4	93.4	93.4	93.4
≥ 3000	[illegible]	78.0	82.0	85.2	92.1	93.3	94.2	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3
≥ 2500	[illegible]	79.5	83.7	86.9	93.0	94.4	95.4	96.1	96.3	96.4	96.5	96.5	96.5	96.5	96.5
≥ 2000	[illegible]	79.7	83.9	87.0	93.4	94.8	95.9	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1800	[illegible]	79.7	83.9	87.0	93.4	94.8	95.9	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1500	[illegible]	79.7	83.9	87.2	93.8	95.5	96.6	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1200	[illegible]	79.7	83.9	87.2	94.1	95.8	97.1	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.5
≥ 1000	[illegible]	79.7	83.9	87.2	94.1	95.9	97.2	98.2	98.5	98.6	98.7	98.8	98.8	98.9	98.9
≥ 900	[illegible]	79.7	83.9	87.2	94.1	95.9	97.2	98.3	98.6	98.8	98.9	98.9	99.0	99.0	99.0
≥ 800	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.5	98.8	99.0	99.1	99.1	99.3	99.4	99.4
≥ 700	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.6	98.9	99.1	99.2	99.3	99.4	99.5	99.5
≥ 600	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.6	98.9	99.2	99.3	99.4	99.6	99.7	99.7
≥ 500	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.6	98.9	99.2	99.3	99.5	99.7	99.8	99.8
≥ 400	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.6	98.9	99.2	99.3	99.5	99.7	99.8	99.8
≥ 300	[illegible]	79.8	83.9	87.2	94.1	96.0	97.3	98.6	99.0	99.3	99.4	99.6	99.8	99.9	99.9
≥ 200	[illegible]	79.8	83.9	87.2	94.1	96.0	97.4	98.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0
≥ 100	[illegible]	79.8	83.9	87.2	94.1	96.0	97.4	98.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0
≥ 0	[illegible]	79.8	83.9	87.2	94.1	96.0	97.4	98.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1937

CHNAVOCEANMET SMOS

NAVAL WEATHER SERVICE TECHNIQUES HANDBOOK NO.

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] 47-57 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00 HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	42.[illegible]	43.6	43.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	[illegible]	46.[illegible]	48.4	48.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	[illegible]	46.[illegible]	48.4	48.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	[illegible]	46.[illegible]	48.4	48.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 14000	[illegible]	46.[illegible]	48.4	48.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	[illegible]	49.2	50.8	50.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	[illegible]	[illegible]	62.9	62.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	[illegible]	[illegible]	63.7	63.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	4.5	66.1	7[illegible].2	71.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	4.5	66.1	7[illegible].2	71.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	4.5	66.1	7[illegible].2	71.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	6.1	67.7	71.8	72.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	[illegible]	70.2	75.0	75.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	11.0	72.6	79.0	80.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	1.6	74.2	81.5	82.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	1.6	75.0	83.1	83.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	1.6	75.8	83.9	84.7	91.9	92.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	1.6	75.8	83.9	84.7	91.9	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	1.6	75.8	83.9	84.7	91.9	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	1.6	75.8	83.9	85.5	93.6	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	1.6	75.8	83.9	85.5	93.6	95.2	96.8	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	1.6	75.8	83.9	85.5	94.4	96.0	97.6	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	1.6	75.8	83.9	85.5	94.4	96.0	97.6	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.6	75.8	83.9	85.5	94.4	96.0	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 124

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] 77-81 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1½	≥ 1	¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	44.5	47.1	48.4	50.9	50.9	50.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	47.[illegible]	45.3	46.9	49.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	47.[illegible]	45.3	46.9	49.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	47.[illegible]	45.3	46.9	49.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	48.5	46.1	47.7	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	49.[illegible]	45.4	50.0	52.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	59.[illegible]	62.[illegible]	64.1	66.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	1.[illegible]	63.3	6[illegible]	67.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	[illegible]	70.3	71.9	74.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000	[illegible]	71.1	72.7	75.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	72.7	74.2	75.8	79.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	74.2	75.8	78.9	82.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	77.[illegible]	78.9	82.0	85.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	79.[illegible]	81.3	85.2	89.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500	7[illegible]	81.3	85.2	89.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	7[illegible]	81.3	85.2	89.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2500	[illegible]	82.1	85.9	90.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	[illegible]	82.[illegible]	85.9	90.6	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	[illegible]	82.[illegible]	85.9	90.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	[illegible]	82.1	85.9	90.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	90.5	92.[illegible]	85.9	91.6	97.7	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	92.[illegible]	85.9	90.6	97.7	97.7	97.7	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 126

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

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	≥ ¼	≥ 3/16	≥ 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 _____ 256

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 00

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	13.1	37.1	41.4	47.4	48.2	48.6	48.6	48.6	49.0	49.0	49.1	49.0	49.0	49.1	49.1
≥ 20000	9.1	15.1	39.2	45.2	51.4	52.2	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.1	53.1
≥ 18000	9.1	15.1	39.2	45.2	51.4	52.2	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	9.1	15.1	39.2	45.2	51.4	52.2	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	9.1	15.5	39.6	45.6	52.2	53.0	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	9.2	16.7	42.6	47.6	54.4	55.2	56.2	56.2	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	9.2	17.0	44.2	49.4	57.4	58.2	59.0	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	10.2	18.7	46.2	50.2	59.2	59.8	60.2	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	10.2	41.4	47.2	53.8	62.6	63.4	64.1	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 7000	13.1	41.2	48.6	54.2	63.4	64.1	64.9	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	13.2	42.6	48.4	55.8	66.1	66.9	67.7	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	13.3	48.2	55.2	62.6	74.1	74.9	75.7	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	13.3	51.4	61.2	66.9	79.3	80.1	80.9	81.3	81.3	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	14.1	53.6	67.2	69.7	82.9	84.1	85.7	86.5	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	20.2	64.2	69.8	77.1	89.9	90.5	88.1	88.8	93.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	20.2	65.0	69.4	71.7	86.5	88.1	90.4	91.2	91.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	20.2	65.4	69.5	72.1	86.9	88.5	91.2	92.0	92.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	20.2	65.4	69.5	72.1	87.3	88.8	91.6	92.4	92.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	20.2	65.4	69.5	72.1	87.3	88.8	91.6	92.4	92.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	20.4	65.4	69.9	72.5	87.7	89.2	92.0	93.2	93.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	20.4	65.4	69.9	72.5	87.7	89.2	92.0	93.2	93.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	20.4	65.4	69.9	72.5	87.7	89.2	92.0	93.2	94.0	96.8	96.8	97.6	98.0	98.0	98.0	98.0
≥ 900	20.4	65.4	69.9	72.5	87.7	89.2	92.0	93.2	94.0	96.8	96.8	97.6	98.0	98.0	98.0	98.0
≥ 800	20.4	65.4	69.9	72.5	87.7	89.2	92.4	94.0	94.8	98.4	98.8	98.8	99.2	99.2	99.2	99.2
≥ 700	20.4	65.4	69.9	72.5	87.7	89.2	92.4	94.0	94.8	98.4	98.8	98.8	99.2	99.2	99.2	99.2
≥ 600	20.4	65.4	69.9	72.5	87.7	89.2	92.4	94.0	94.8	98.4	98.8	98.8	99.2	99.2	99.2	99.2
≥ 500	20.4	65.4	69.9	72.9	88.1	89.6	92.8	94.4	95.2	98.4	98.8	99.2	99.6	99.6	99.6	99.6
≥ 400	20.4	65.8	69.9	72.9	88.1	89.6	92.8	94.8	95.2	98.4	98.8	99.2	99.6	99.6	99.6	99.6
≥ 300	20.4	65.8	69.9	72.9	88.1	89.6	92.8	94.8	95.2	98.4	98.8	99.2	99.6	100.0	100.0	100.0
≥ 200	20.4	65.8	69.9	72.9	88.1	89.6	92.8	94.8	95.2	98.4	98.8	99.2	99.6	100.0	100.0	100.0
≥ 100	20.4	65.8	69.9	72.9	88.1	89.6	92.8	94.8	95.2	98.4	98.8	99.2	99.6	100.0	100.0	100.0
≥ 0	20.4	65.8	69.9	72.9	88.1	89.6	92.8	94.8	95.2	98.4	98.8	99.2	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 251

DIPNAVOCEANMET SM-35

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	≥1	≥¾	≥½	≥¼	≥5/16	≥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 264

DMNAVOCEANMET SMOS

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	[illegible]	[illegible]	[illegible]	[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
≥ 20000	[illegible]	[illegible]	[illegible]	[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
≥ 18000	[illegible]	[illegible]	[illegible]	[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
≥ 16000	[illegible]	[illegible]	[illegible]	[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
≥ 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	[illegible]	[illegible]	[illegible]	[illegible]	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	[illegible]	[illegible]	[illegible]	[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	[illegible]	[illegible]	[illegible]	[illegible]	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	69.7	69.7	69.7	69.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	73.3	73.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	79.4	79.4	79.4	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	84.4	84.4	84.4	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	87.6	88.6	88.9	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	90.1	91.8	91.2	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.0	92.4	93.1	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.0	92.4	93.1	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.0	92.4	93.1	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.8	93.1	93.8	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.8	94.3	95.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	[illegible]	[illegible]	[illegible]	[illegible]	90.8	92.8	94.3	95.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	[illegible]	[illegible]	[illegible]	[illegible]	90.8	93.1	94.7	96.6	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	91.2	93.1	94.7	96.6	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	[illegible]	[illegible]	[illegible]	[illegible]	91.2	93.1	94.7	97.0	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	[illegible]	[illegible]	[illegible]	[illegible]	91.2	93.1	94.7	97.0	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	91.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	91.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	91.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	91.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	91.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 252

DIR, AVIEANMET _____ (MAR)

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																
≥ 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

DMA/AOCEANPRED DMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-76 YEARS _____ FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	.7	4.5	5.7	37.4	46.0	47.2	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.9
≥ 20000	.7	43.4	44.7	51.4	52.0	52.3	52.7	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.1
≥ 18000	.7	43.6	44.6	51.3	52.0	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.1	53.1
≥ 16000	.7	43.6	44.6	51.3	52.0	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1
≥ 14000	.7	44.2	47.2	54.2	55.2	55.6	55.7	55.8	55.9	53.9	53.9	53.9	53.9	53.9	54.0
≥ 12000	.7	45.7	49.1	57.2	58.1	58.4	58.7	58.9	58.9	56.2	56.2	56.2	56.2	56.2	56.2
≥ 10000	3.7	48.9	53.7	58.1	61.1	61.4	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 9000	4.0	50.3	54.2	58.6	61.6	62.0	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.9
≥ 8000	4.7	4.5	5.7	61.4	66.9	67.3	67.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.2
≥ 7000	4.7	54.9	59.1	64.0	67.4	67.6	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.8
≥ 6000	4.7	55.4	60.2	65.1	68.9	69.4	69.9	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.4
≥ 5000	10.7	59.7	67.4	72.7	73.1	73.7	74.2	74.4	74.5	74.6	74.8	74.8	74.8	74.8	74.9
≥ 4500	14.1	62.4	69.7	74.7	77.7	78.4	79.1	79.3	79.5	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	14.7	65.1	72.3	74.1	82.1	83.2	83.9	84.3	84.5	84.8	84.8	84.8	84.8	84.8	84.9
≥ 3500	17.6	66.4	71.9	79.9	84.6	85.7	86.7	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.8
≥ 3000	19.7	67.4	73.1	77.2	86.6	87.9	89.1	89.5	89.9	90.3	90.4	90.4	90.4	90.4	90.4
≥ 2500	19.7	68.0	73.7	77.9	87.6	89.0	90.5	91.1	91.4	91.9	92.0	92.0	92.0	92.0	92.1
≥ 2000	19.7	68.6	74.2	78.5	88.6	90.1	91.7	92.4	92.8	93.3	93.4	93.4	93.4	93.4	93.5
≥ 1800	19.7	68.6	74.2	78.6	88.7	90.2	91.8	92.5	93.0	93.4	93.5	93.5	93.5	93.5	93.6
≥ 1500	19.7	68.6	74.5	78.8	89.4	90.9	92.7	93.5	93.9	94.5	94.7	94.7	94.7	94.7	94.8
≥ 1200	19.7	68.8	74.5	78.8	89.6	91.3	93.2	94.3	94.7	95.6	95.9	96.0	96.0	96.0	96.0
≥ 1000	19.7	68.8	74.5	78.8	89.9	91.6	93.6	95.1	95.6	97.0	97.3	97.5	97.5	97.5	97.6
≥ 900	19.7	68.8	74.5	78.8	89.9	91.6	93.7	95.1	95.9	97.5	97.3	97.5	97.5	97.5	97.6
≥ 800	19.7	68.8	74.5	78.8	90.0	91.7	93.8	95.5	96.6	98.0	98.5	98.7	98.8	98.8	98.9
≥ 700	19.7	68.9	74.5	78.8	90.0	91.7	93.9	95.5	96.8	98.2	98.7	98.8	98.9	99.0	99.1
≥ 600	19.7	68.9	74.6	78.9	90.1	91.8	94.0	95.6	97.0	98.4	98.9	99.1	99.2	99.3	99.3
≥ 500	19.7	68.9	74.6	79.0	90.2	1.9	94.1	95.8	97.1	98.5	99.1	99.3	99.4	99.5	99.6
≥ 400	19.7	68.9	74.6	79.1	90.3	2.1	94.2	96.0	97.3	98.8	99.3	99.6	99.7	99.8	99.8
≥ 300	19.7	68.9	74.6	79.1	90.3	92.1	94.3	96.0	97.4	98.9	99.4	99.7	99.8	99.9	99.9	100.0
≥ 200	19.7	68.9	74.6	79.1	90.3	92.1	94.3	96.0	97.4	98.9	99.4	99.7	99.8	99.9	99.9	100.0
≥ 100	19.7	68.9	74.6	79.1	90.3	92.1	94.3	96.0	97.5	98.9	99.4	99.7	99.8	99.9	99.9	100.0
0	19.7	68.9	74.6	79.1	90.3	92.1	94.3	96.0	97.5	98.9	99.4	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ... 1716

[illegible] CLEARNET [illegible]

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 7- _____ MONTH MA

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	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	[illegible]	[illegible]	27.2	27.9	30.1	30.4	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.6
≥ 20000	[illegible]	[illegible]	29.7	30.4	31.6	31.6	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.1
≥ 18000	[illegible]	[illegible]	29.7	30.4	31.6	31.6	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.1
≥ 16000	[illegible]	[illegible]	29.7	30.4	31.6	31.6	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.1
≥ 14000	[illegible]	[illegible]	29.7	30.2	32.4	32.4	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.8
≥ 12000	[illegible]	33.1	33.8	34.2	37.5	37.5	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	39.0
≥ 10000	[illegible]	41.[illegible]	44.1	44.6	47.[illegible]	48.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.0
≥ 9000	[illegible]	43.4	43.6	47.1	50.0	50.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	52.2
≥ 8000	[illegible]	47.1	50.7	51.2	55.2	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.4
≥ 7000	[illegible]	48.5	51.5	52.7	56.6	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.9
≥ 6000	[illegible]	[illegible]	52.9	53.2	58.1	58.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	60.3
≥ 5000	[illegible]	54.4	57.4	59.5	64.[illegible]	64.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	66.2
≥ 4500	[illegible]	57.4	61.[illegible]	[illegible]	69.1	69.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	72.1
≥ 4000	[illegible]	60.3	64.7	67.7	74.3	75.[illegible]	76.5	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.9
≥ 3500	[illegible]	60.3	64.7	68.4	75.7	76.5	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.[illegible]
≥ 3000	[illegible]	61.[illegible]	66.2	69.9	80.2	80.9	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.6
≥ 2500	[illegible]	[illegible]	67.4	72.1	83.1	84.0	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	88.2
≥ 2000	1.[illegible]	64.7	69.9	73.5	84.[illegible]	86.[illegible]	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 1800	1.[illegible]	64.7	69.9	73.5	84.6	86.[illegible]	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 1500	1.[illegible]	64.7	69.9	73.5	86.8	89.7	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.4
≥ 1200	1.[illegible]	64.7	69.9	73.5	89.[illegible]	91.9	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.1
≥ 1000	1.[illegible]	64.7	69.9	73.5	89.7	92.7	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.8
≥ 900	1.[illegible]	64.7	69.9	73.5	89.7	92.7	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.8
≥ 800	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.5
≥ 700	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.5
≥ 600	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.5
≥ 500	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	98.5	99.3
≥ 400	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	99.3	100.0
≥ 300	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	99.3	100.0
≥ 200	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	99.3	100.0
≥ 100	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	99.3	100.0
≥ 0	1.[illegible]	64.7	69.9	73.5	90.4	93.4	95.6	97.8	97.8	97.8	97.8	98.5	98.5	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 136

SURFACE SUMMARY (9515)

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 77-81 YEARS | MAR MONTH | 03 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING	.	26.1	26.3	27.5	29.9	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	.	1.	31.7	33.1	35.2	35.2	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 18000	.	31.	31.7	33.1	35.2	35.2	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 16000	.	31.	31.7	33.1	35.2	35.2	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 14000	.	31.3	31.7	33.1	35.2	35.2	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	1.3	35.2	35.9	38.0	40.1	40.1	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000	.	43.0	43.7	47.2	49.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	.	44.4	45.1	48.6	50.7	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	4.	50.7	52.	56.3	59.2	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	4.	51.4	53.5	57.0	59.9	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	4.7	53.5	55.6	59.2	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000	.	56.3	58.5	62.0	65.5	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	3.	61.3	63.4	66.9	71.1	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	3.	66.2	69.	72.5	79.6	79.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	3.	69.3	71.8	76.1	83.1	83.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	3.	69.0	73.9	78.2	85.2	85.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	3.	69.0	73.9	78.2	85.9	85.9	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	3.	69.0	73.9	78.2	86.6	87.3	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	3.	69.	73.9	78.2	86.6	87.3	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	3.	69.	73.9	78.2	88.7	89.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	3.	69.	73.9	78.2	89.4	90.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	3.	69.	74.7	78.9	91.6	92.3	96.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	3.	69.0	74.7	78.9	91.6	92.3	96.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	3.	69.0	74.7	78.9	92.3	93.0	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	3.	69.0	74.7	78.9	92.3	93.0	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	3.	69.0	74.7	78.9	92.3	93.0	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	3.	69.0	74.7	78.9	92.3	93.0	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	3.	69.	74.7	78.9	92.3	93.0	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.	69.	74.7	78.9	92.3	93.	97.2	98.6	98.	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.	69.	74.7	.9	92.3	93.	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.	69.	74.7	78.9	92.3	93.	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.	69.0	74.7	78.9	92.3	3.	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 142

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

30 HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	26.3	3[illegible].7	33.[illegible]	36.9	37.[illegible]	3[illegible].9	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	2[illegible].[illegible]	2[illegible].4	33.8	37.9	42.7	43.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	3[illegible].[illegible]	[illegible].4	3[illegible].[illegible]	37.9	42.7	43.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 16000	3[illegible].[illegible]	[illegible].4	3[illegible].3	37.9	42.7	43.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	[illegible].[illegible]	71.1	34.5	[illegible].6	43.3	44.[illegible]	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	[illegible].[illegible]	33.3	37.2	41.3	46.4	47.4	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 10000	[illegible].3	76.9	40.3	46.1	51.[illegible]	53.6	55.3	55.6	56.[illegible]	56.3	56.[illegible]	56.3	56.[illegible]	56.[illegible]	56.[illegible]	56.3
≥ 9000	[illegible].3	[illegible].5	41.0	45.7	52.6	54.3	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	52.[illegible]	42.7	4[illegible].1	50.9	58.3	59.7	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	3.1	43.[illegible]	45.4	51.2	59.4	60.1	61.8	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	[illegible].1	44.[illegible]	47.4	52.2	59.4	61.1	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	3[illegible].[illegible]	46.1	49.9	54.6	62.1	63.[illegible]	65.5	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	[illegible].3	49.3	54.6	59.4	67.2	68.9	71.[illegible]	71.3	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.[illegible]	72.3
≥ 4000	3[illegible].[illegible]	[illegible]5.3	6[illegible].[illegible]	65.9	74.4	76.5	78.8	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	[illegible]4.4	57.0	62.5	67.6	77.1	79.2	81.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	45.[illegible]	59.0	64.5	70.0	81.9	84.3	86.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	4[illegible].1	[illegible].4	65.2	70.7	82.6	85.0	87.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	4[illegible].1	[illegible].4	65.2	70.7	83.3	85.7	88.1	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1600	4[illegible].1	[illegible].4	65.2	70.7	83.3	85.7	88.1	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	4[illegible].1	59.4	65.2	70.7	83.3	86.[illegible]	88.4	89.8	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	4[illegible].1	59.4	65.2	7[illegible].7	84.[illegible]	86.7	90.4	92.5	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	4[illegible].1	59.4	65.2	71.[illegible]	84.6	[illegible]7.7	91.5	94.2	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	4[illegible].1	59.4	65.2	71.[illegible]	84.6	[illegible]7.7	91.5	94.2	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	4[illegible].4	59.7	65.5	71.3	85.7	89.1	92.8	96.3	7.3	98.[illegible]	98.[illegible]	98.3	98.3	98.3	98.3	98.3
≥ 700	4[illegible].4	59.7	65.5	71.3	85.7	89.1	92.8	96.3	97.3	98.[illegible]	98.[illegible]	98.3	98.3	98.3	98.3	98.3
≥ 600	4[illegible].[illegible]	59.7	65.5	71.3	85.7	89.4	93.2	96.6	97.6	96.6	98.6	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]
≥ 500	4[illegible].4	59.7	65.5	71.3	85.7	89.4	93.2	96.6	98.[illegible]	99.[illegible]	99.[illegible]	99.3	99.3	99.3	99.3	99.3
≥ 400	4[illegible].4	59.7	65.5	71.3	86.[illegible]	89.8	93.5	96.9	98.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
≥ 300	46.4	59.7	65.[illegible]	71.3	86.[illegible]	89.8	93.5	96.9	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 200	4[illegible].4	59.7	65.5	71.3	86.[illegible]	89.8	93.5	96.9	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 100	4[illegible].4	59.7	65.[illegible]	71.3	8[illegible].[illegible]	89.8	93.5	96.9	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 0	4[illegible].4	59.7	65.5	71.3	86.0	89.8	93.5	96.9	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ____ 293

DIRNAVOCEANMET 5605

NAVAIR WEATHERSERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

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

09 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	[illegible]	[illegible]	[illegible]	33.[illegible]	37.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	[illegible].1	51.[illegible]	3[illegible].[illegible]	[illegible].[illegible]	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	[illegible].1	51.2	3[illegible].[illegible]	[illegible].[illegible]	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	1.1	51.2	3[illegible].[illegible]	[illegible].[illegible]	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	1.[illegible]	51.[illegible]	37.[illegible]	41.1	47.[illegible]	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 12000	1.[illegible]	37.[illegible]	[illegible].[illegible]	43.2	49.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]	50.[illegible]
≥ 10000	[illegible].[illegible]	37.[illegible]	4[illegible].[illegible]	47.[illegible]	55.1	56.[illegible]	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	[illegible].[illegible]	[illegible].6	44.2	4[illegible].1	56.1	57.[illegible]	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	[illegible].4	41.1	47.[illegible]	51.9	60.4	61.[illegible]	62.1	62.5	62.[illegible]	62.5	62.5	62.5	62.[illegible]	62.5	62.5	62.5
≥ 7000	[illegible].[illegible]	41.4	48.1	[illegible].3	60.7	62.1	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	[illegible].4	42.1	48.[illegible]	[illegible].	61.4	62.8	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	[illegible].[illegible]	45.6	52.6	57.5	66.7	68.1	68.4	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	[illegible].0	51.6	59.3	64.6	74.[illegible]	75.4	75.8	76.5	76.5	76.8	76.8	76.8	76.[illegible]	76.8	76.8	76.[illegible]
≥ 4000	[illegible].1	55.1	62.8	69.1	80.4	82.6	83.2	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	[illegible].[illegible]	[illegible].1	64.2	70.5	82.5	84.9	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	[illegible].[illegible]	59.0	67.0	73.3	86.0	88.8	89.5	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	[illegible].6	59.[illegible]	67.0	73.3	86.0	88.8	89.5	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000	[illegible].[illegible]	59.3	67.4	73.7	86.7	89.5	90.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	[illegible].[illegible]	[illegible].3	67.4	73.7	86.7	89.5	90.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	[illegible].[illegible]	59.3	67.4	73.7	86.7	89.5	90.5	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	[illegible].[illegible]	59.3	67.4	73.7	86.7	89.8	90.9	93.7	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	[illegible].[illegible]	59.3	67.4	73.7	86.7	90.2	91.2	94.7	95.4	95.8	96.1	96.1	96.5	96.5	96.5	96.5
≥ 900	[illegible].[illegible]	59.3	67.7	74.0	87.0	90.5	91.6	95.1	95.8	96.1	96.5	96.5	96.8	96.8	96.8	96.8
≥ 800	[illegible].[illegible]	59.3	67.7	74.0	87.0	90.9	91.9	95.4	96.5	97.5	97.9	97.9	98.3	98.6	98.6	98.6
≥ 700	[illegible].[illegible]	59.3	67.7	74.0	87.[illegible]	[illegible].2	92.3	95.8	96.8	97.9	98.3	98.3	98.6	99.0	99.0	99.3
≥ 600	[illegible].[illegible]	59.3	67.7	74.[illegible]	87.0	91.2	92.3	95.8	96.8	97.9	98.3	98.3	98.6	99.0	99.0	99.0
≥ 500	[illegible].0	59.3	67.7	74.0	87.0	91.2	92.3	96.1	97.2	98.6	99.0	99.0	99.3	99.7	99.7	99.7
≥ 400	[illegible].0	59.3	67.7	74.0	87.0	91.2	92.3	96.1	97.2	98.6	99.0	99.0	99.3	99.7	99.7	99.7
≥ 300	[illegible].0	59.3	67.7	74.0	87.4	91.6	92.6	96.5	97.5	99.0	99.3	99.3	99.7	100.0	100.0	100.0
≥ 200	[illegible].0	59.3	67.7	74.0	87.4	91.6	92.6	96.5	97.5	99.0	99.3	99.3	99.7	100.0	100.0	100.0
≥ 100	[illegible].[illegible]	[illegible].3	67.7	74.0	87.4	91.6	92.6	96.5	97.5	99.0	99.3	99.3	99.7	100.0	100.0	100.0
≥ 0	[illegible].[illegible]	59.3	67.7	74.0	87.4	91.6	92.6	96.5	97.5	99.0	99.3	99.3	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 285

CIRNAVOCEANMET SMOL

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] 73-77 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	34.4	35.7	36.4	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.8	37.8	37.8	37.8	37.8
≥ 20000	[illegible]	42.9	45.9	47.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	49.0	49.0	49.0	49.0	49.0
≥ 18000	[illegible]	42.9	45.9	47.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	49.0	49.0	49.0	49.0	49.0
≥ 16000	[illegible]	42.9	45.9	47.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	49.0	49.0	49.0	49.0	49.0
≥ 14000	[illegible]	48.6	49.0	49.3	51.0	51.0	51.0	51.0	51.1	51.0	51.0	51.4	51.4	51.4	51.4	51.4
≥ 12000	[illegible]	48.6	49.7	51.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.1	54.1	54.1	54.1	54.1
≥ 10000	[illegible]	[illegible]	54.4	56.5	59.5	59.5	60.2	60.5	60.5	60.5	60.5	60.9	60.9	60.9	60.9	60.9
≥ 9000	[illegible]	55.3	54.8	56.8	59.9	59.9	60.5	60.9	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2
≥ 8000	1.2	52.7	57.8	61.2	63.6	63.6	64.6	65.1	65.1	65.0	65.0	65.3	65.3	65.3	65.3	65.3
≥ 7000	[illegible]	58.4	59.5	61.9	65.3	65.7	66.7	67.1	67.1	67.0	67.0	67.4	67.4	67.4	67.4	67.4
≥ 6000	[illegible]	58.4	59.8	61.2	65.7	66.1	67.0	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7
≥ 5000	[illegible]	56.1	60.9	63.3	66.0	68.7	69.7	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4
≥ 4500	48.2	56.1	61.9	64.6	70.1	70.8	71.8	72.1	72.1	72.1	72.1	72.5	72.5	72.5	72.5	72.5
≥ 4000	[illegible]	60.2	67.1	70.1	77.6	78.2	79.3	79.6	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9
≥ 3500	[illegible]	62.2	69.4	72.8	81.6	82.3	83.7	84.0	84.3	84.3	84.0	84.4	84.4	84.4	84.4	84.4
≥ 3000	1.7	66.7	73.5	76.9	87.8	88.4	89.8	90.1	90.5	90.5	90.5	90.8	90.8	90.8	90.8	90.8
≥ 2500	1.4	66.7	73.8	77.2	88.4	89.1	90.5	90.8	91.2	91.2	91.2	91.5	91.5	91.5	91.5	91.5
≥ 2000	1.7	67.1	74.2	77.6	88.8	89.5	90.8	91.5	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2
≥ 1800	1.7	67.1	74.2	77.6	88.8	89.5	90.8	91.5	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2
≥ 1500	1.7	67.0	74.2	77.9	89.5	90.1	91.8	92.5	93.2	93.5	93.5	93.9	93.9	93.9	93.9	93.9
≥ 1200	1.7	67.0	74.2	78.2	90.1	90.8	92.9	93.9	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6
≥ 1000	2.0	67.4	74.5	78.6	90.5	91.2	93.2	94.6	95.2	95.9	95.9	96.3	96.6	96.6	96.6	96.6
≥ 900	2.0	67.4	74.5	78.6	90.5	91.2	93.2	94.9	95.6	96.3	96.3	96.6	96.9	96.9	96.9	96.9
≥ 800	2.0	67.4	74.5	78.6	90.5	91.2	93.5	95.2	95.9	96.9	96.9	97.3	98.0	98.0	98.0	98.0
≥ 700	2.0	67.4	74.5	78.6	90.5	91.2	93.5	95.2	95.9	96.9	96.9	97.3	98.0	98.0	98.0	98.0
≥ 600	2.0	67.4	74.5	78.6	90.8	91.5	93.9	95.6	96.3	97.3	97.3	97.6	98.3	98.3	98.3	98.3
≥ 500	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	96.0	98.0	98.3	99.3	99.3	99.3	99.3
≥ 400	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	98.3	98.3	99.0	100.0	100.0	100.0	100.0
≥ 300	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	98.3	98.3	99.0	100.0	100.0	100.0	100.0
≥ 200	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	98.3	98.3	99.0	100.0	100.0	100.0	100.0
≥ 100	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	98.3	98.3	99.3	100.0	100.0	100.0	100.0
≥ 0	2.0	67.4	74.8	78.9	91.2	91.8	94.2	95.9	96.6	98.3	98.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 294

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME JAX AA YEARS 72-82 MONTH MAR

HOURS (L.S.T.) 15

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	31.2	[illegible]	[illegible]	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 20000	[illegible]	[illegible]	41.8	43.5	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	[illegible]	[illegible]	41.8	43.5	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	[illegible]	[illegible]	41.8	43.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	[illegible]	40.4	42.2	45.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	[illegible]	43.5	46.3	[illegible]	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	[illegible]	47.0	49.8	52.6	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	[illegible]	47.0	49.8	52.6	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	[illegible]	48.8	51.9	54.7	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	[illegible]	49.1	52.2	55.1	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 6000	[illegible]	50.2	53.4	56.5	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	[illegible]	53.3	57.2	60.7	64.9	65.6	65.6	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4500	[illegible]	55.1	59.0	63.2	67.4	69.1	69.1	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	[illegible]	57.5	62.1	66.3	73.0	73.7	73.7	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	[illegible]	61.4	66.7	71.6	79.3	80.3	80.7	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	[illegible]	66.0	71.6	77.2	84.9	86.0	87.0	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	[illegible]	68.1	73.7	79.3	87.4	88.4	89.5	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	[illegible]	68.1	73.7	79.3	87.7	88.8	90.2	92.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	[illegible]	68.1	73.7	79.3	88.1	89.1	90.5	92.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	[illegible]	68.1	73.7	79.7	88.8	89.8	91.6	93.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	[illegible]	68.1	73.7	79.7	89.1	90.2	91.9	94.4	95.4	95.4	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	[illegible]	68.1	73.7	79.7	89.1	90.5	92.3	94.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	[illegible]	68.1	73.7	79.7	89.1	90.5	92.3	94.7	96.1	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	[illegible]	68.1	73.7	79.7	89.5	90.9	92.6	95.1	96.5	97.2	97.9	97.9	97.9	98.3	98.3	98.3
≥ 700	[illegible]	68.1	73.7	79.7	89.5	90.9	92.6	95.1	96.5	97.5	98.3	98.3	98.3	98.6	98.6	98.6
≥ 600	[illegible]	68.1	73.7	79.7	89.5	90.9	92.6	95.1	96.5	97.5	98.3	98.3	98.3	98.6	98.6	98.6
≥ 500	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	98.6	99.3	99.3	99.3	99.7	99.7	99.7
≥ 400	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0
≥ 300	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	[illegible]	68.1	73.7	79.7	89.8	91.2	93.0	95.4	96.8	99.0	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 345

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS _____

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	[illegible]	27.2	[illegible]	[illegible]	32.0	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	[illegible]	33.3	35.7	36.1	39.1	40.1	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 18000	[illegible]	33.7	36.1	37.4	39.5	40.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 16000	[illegible]	33.7	36.1	37.4	39.5	40.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 14000	[illegible]	35.1	37.8	39.1	41.2	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	[illegible]	37.1	41.5	41.5	46.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	[illegible]	39.1	42.9	44.6	50.7	51.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	[illegible]	39.1	43.2	44.9	51.3	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	[illegible]	40.5	44.2	45.9	51.7	53.7	54.8	54.9	54.8	54.8	54.8	54.8	54.8	54.9	54.8
≥ 7000	[illegible]	40.8	44.9	46.6	52.4	54.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 6000	[illegible]	42.9	46.9	49.3	55.1	57.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000	[illegible]	46.1	52.1	54.5	61.6	64.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	[illegible]	50.0	56.1	58.5	66.7	68.7	70.4	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	[illegible]	52.4	58.2	62.6	71.1	74.2	76.2	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3500	[illegible]	54.9	60.9	65.3	74.2	77.2	79.9	80.6	81.0	81.0	81.0	81.0	81.3	81.3	81.3
≥ 3000	[illegible]	55.6	61.9	66.3	76.5	79.9	83.0	84.7	85.4	85.4	85.7	85.7	86.1	86.1	86.1
≥ 2500	[illegible]	57.8	64.3	68.4	77.9	82.3	85.4	87.4	88.4	88.8	89.1	89.1	89.5	89.5	89.5
≥ 2000	[illegible]	57.8	64.3	68.4	79.6	83.3	86.7	89.1	90.1	90.5	90.8	90.8	91.2	91.2	91.2
≥ 1800	[illegible]	57.8	64.3	68.4	79.9	83.7	87.1	89.5	90.5	90.8	91.2	91.2	91.5	91.5	91.5
≥ 1500	[illegible]	58.2	64.3	68.7	80.6	84.7	88.8	91.2	92.5	93.2	93.9	93.9	94.2	94.2	94.2
≥ 1200	[illegible]	58.2	64.3	68.7	81.0	85.0	89.8	92.9	94.2	95.2	95.9	96.6	96.9	96.9	96.9
≥ 1000	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.2	94.6	95.6	96.3	96.9	97.3	97.3	97.3
≥ 900	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.2	94.5	95.9	96.6	97.3	97.6	97.6	97.6
≥ 800	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.5	94.9	96.3	96.9	97.6	98.0	98.0	98.0
≥ 700	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.9	95.2	96.6	97.6	98.3	98.6	98.6	98.6
≥ 600	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.9	95.2	96.9	98.0	98.6	99.0	99.0	99.0
≥ 500	[illegible]	58.2	64.3	68.7	81.3	85.4	90.1	93.9	95.2	96.9	98.0	98.6	99.0	99.3	99.0
≥ 400	[illegible]	58.5	64.6	69.1	81.6	85.7	90.5	94.2	95.6	97.3	98.6	99.3	99.7	99.7	99.7
≥ 300	[illegible]	58.5	64.6	69.1	81.6	85.7	90.5	94.6	95.9	97.6	99.0	99.7	100.0	100.0	100.0
≥ 200	[illegible]	58.5	64.6	69.1	81.6	85.7	90.5	94.6	95.9	97.6	99.0	99.7	100.0	100.0	100.0
≥ 100	[illegible]	58.5	64.6	69.1	81.6	85.7	90.5	94.6	95.9	97.6	99.0	99.7	100.0	100.0	100.0
0	[illegible]	58.5	64.6	69.1	81.6	85.7	90.5	94.6	95.9	97.6	99.0	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 294

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE TECHNICAL ADDENDUM NO.

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 70-82 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 HOUR (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	.4	31.0	33.4	33.1	35.4	35.4	35.7	36.4	36.9	36.9	36.8	36.8	36.8	36.8	36.8	37.2
≥ 20000	.	36.4	37.4	38.3	41.3	41.3	41.3	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.9
≥ 18000	.	36.4	37.4	38.3	41.3	41.3	41.3	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.9
≥ 16000	.	36.4	37.4	38.3	41.3	41.3	41.3	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.9
≥ 14000	1.4	38.4	39.3	39.7	41.6	41.6	41.6	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.2
≥ 12000	3.	39.8	41.3	41.6	45.1	45.1	45.1	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.5
≥ 10000	.4	43.5	48.7	49.1	52.3	52.8	53.2	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7
≥ 9000	.	47.0	50.2	50.6	54.3	54.3	54.7	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.1
≥ 8000	3.	51.8	53.9	56.1	59.1	59.5	59.9	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
≥ 7000	4.3	52.8	55.0	56.5	61.0	61.3	62.1	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.6
≥ 6000	4.4	53.2	55.4	56.9	61.3	61.7	62.5	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
≥ 5000	4.7	57.6	59.9	61.7	66.2	66.5	67.3	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.8
≥ 4500	.	60.3	61.7	63.9	68.9	69.1	69.9	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.1
≥ 4000	3.5	63.9	66.9	69.5	75.1	75.5	76.2	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.4
≥ 3500	5.8	66.2	69.5	72.1	78.8	79.2	79.9	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2
≥ 3000	7.6	68.8	72.5	75.8	83.6	84.0	84.8	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4
≥ 2500	7.6	68.8	72.5	75.8	84.4	85.1	86.3	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.9
≥ 2000	7.6	68.8	72.9	76.2	85.1	86.3	87.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
≥ 1800	7.6	68.8	72.9	76.2	85.1	86.3	87.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
≥ 1500	.	69.5	73.6	77.0	87.7	89.2	90.3	93.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.2
≥ 1200	.	69.5	73.6	77.0	88.1	90.0	91.1	94.1	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.7
≥ 1000	.	69.5	73.6	77.0	88.5	90.3	91.5	94.8	95.9	96.7	97.0	97.0	97.0	97.0	97.0	97.4
≥ 900	.	69.5	73.6	77.0	88.5	90.3	91.8	94.8	95.9	96.7	97.0	97.0	97.0	97.0	97.0	97.4
≥ 800	.	69.5	73.6	77.0	88.9	91.1	92.6	95.5	96.7	97.4	97.8	98.1	98.1	98.1	98.1	98.5
≥ 700	.	69.5	73.6	77.0	88.9	91.1	92.6	95.9	97.0	97.8	98.1	98.5	98.5	98.5	98.5	98.9
≥ 600	.	69.5	73.6	77.0	88.9	91.1	92.6	96.3	97.4	98.1	98.5	98.9	98.9	98.9	98.9	99.3
≥ 500	.	69.5	73.6	77.0	88.9	91.1	92.6	96.3	97.4	98.1	98.5	98.9	98.9	98.9	98.9	99.3
≥ 400	.0	69.5	74.0	77.3	89.2	91.5	92.9	96.7	97.8	98.9	99.3	99.6	99.6	99.6	99.6	100.0
≥ 300	.	69.5	74.0	77.3	89.2	91.5	92.9	96.7	97.8	98.9	99.3	99.6	99.6	99.6	99.6	100.0
≥ 200	.	69.5	74.0	77.3	89.2	91.5	92.9	96.7	97.8	98.9	99.3	99.6	99.6	99.6	99.6	100.0
≥ 100	.	69.5	74.0	77.3	89.2	91.5	92.9	96.7	97.8	98.9	99.3	99.6	99.6	99.6	99.6	100.0
≥ 0	.	69.5	74.0	77.3	89.2	91.5	92.9	96.7	97.8	98.9	99.3	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 259

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT (OBSERVER) WORKSHEET No.

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	30.9	32.2	34.5	34.9	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6
≥ 20000	[illegible]	34.7	37.5	39.2	42.4	42.8	43.2	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.6
≥ 18000	[illegible]	34.9	37.5	39.3	42.5	42.9	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
≥ 16000	[illegible]	34.9	37.5	39.3	42.5	42.9	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
≥ 14000	[illegible]	35.6	38.5	40.5	43.7	44.1	44.5	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.9
≥ 12000	50.6	38.1	41.3	43.5	47.4	47.9	48.3	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.7
≥ 10000	54.1	42.7	46.3	48.9	53.4	54.2	54.9	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.4
≥ 9000	54.2	43.3	46.9	49.5	54.2	55.1	55.7	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2
≥ 8000	57.5	46.5	50.4	53.3	58.3	59.2	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥ 7000	[illegible]	47.3	51.1	54.0	59.2	60.2	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 6000	59.7	48.2	52.2	55.1	60.4	61.4	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 5000	61.9	51.2	55.7	58.9	64.9	66.0	66.8	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6
≥ 4500	63.6	54.4	59.1	62.7	69.2	70.4	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 4000	64.6	58.2	63.5	67.6	75.5	76.9	78.0	78.8	79.2	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 3500	64.1	60.2	65.9	70.3	79.9	80.4	81.8	82.7	83.2	83.0	83.0	83.1	83.1	83.1	83.1	83.2
≥ 3000	70.0	62.8	69.7	73.3	83.3	84.9	86.5	87.8	88.2	88.2	88.2	88.3	88.4	88.4	88.4	88.5
≥ 2500	70.0	63.6	69.6	74.2	84.6	86.3	87.9	89.3	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.1
≥ 2000	70.0	63.8	69.8	74.5	85.2	87.1	88.9	90.4	90.9	91.0	91.1	91.1	91.2	[illegible]	91.2	91.3
≥ 1800	70.0	63.8	69.8	74.5	85.3	87.2	89.0	90.5	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.4
≥ 1500	70.1	64.0	70.0	74.7	86.3	88.4	90.4	92.1	92.8	93.1	93.3	93.4	93.4	93.4	93.4	93.5
≥ 1200	70.1	64.0	70.0	74.8	86.8	89.0	91.5	93.8	94.5	95.1	95.4	95.5	95.6	95.6	95.6	95.7
≥ 1000	70.1	64.0	70.1	74.9	87.3	89.6	92.2	94.8	95.7	96.3	96.6	96.8	96.9	96.9	96.9	97.0
≥ 900	70.1	64.0	70.1	75.0	87.3	89.7	92.3	94.9	95.8	96.5	96.8	96.9	97.1	97.1	97.1	97.2
≥ 800	70.2	64.1	70.2	75.0	87.7	90.2	92.8	95.6	96.6	97.4	97.7	98.0	98.2	98.3	98.3	98.4
≥ 700	70.2	64.1	70.2	75.0	87.7	90.2	92.9	95.8	96.7	97.6	98.0	98.2	98.4	98.5	98.5	98.6
≥ 600	70.2	64.1	70.2	75.0	87.7	90.3	93.0	95.9	96.9	97.9	98.2	98.5	98.7	98.8	98.8	98.9
≥ 500	70.2	64.1	70.2	75.1	87.8	90.4	93.1	96.1	97.1	98.3	98.7	99.0	99.2	99.3	99.3	99.4
≥ 400	70.2	64.1	70.3	75.2	88.0	90.6	93.2	96.2	97.2	98.6	99.0	99.4	99.6	99.7	99.8	99.9
≥ 300	70.2	64.1	70.3	75.2	88.0	90.6	93.3	96.3	97.3	98.7	99.1	99.5	99.8	99.9	99.9	100.0
≥ 200	70.2	64.1	70.3	75.2	88.0	90.6	93.3	96.3	97.3	98.7	99.1	99.5	99.8	99.9	99.9	100.0
≥ 100	70.2	64.1	70.3	75.2	88.0	90.6	93.3	96.3	97.3	98.7	99.1	99.5	99.8	99.9	99.9	100.0
≥ 0	70.2	64.1	70.3	75.2	88.0	90.6	93.3	96.3	97.3	98.7	99.1	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1998

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 77-82 YEARS | APR MONTH | 00 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING			31.	71.	33.1	33.9	33.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000			36.6	36.6	38.7	39.4	39.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000			36.6	36.6	38.7	39.4	39.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000		36.6	36.6	36.6	38.7	39.4	39.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000		36.6	36.6	36.6	38.7	39.4	39.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000		36.6	36.7	36.7	40.9	41.6	41.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 10000		43.	47.	47.8	47.9	48.6	48.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000		44.4	47.2	47.2	49.3	50.0	50.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000		47.	52.1	52.1	54.2	54.9	54.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000			54.2	54.2	56.3	57.	57.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 6000		56.9	56.9	56.2	58.3	57.	57.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000		54.2	54.9	59.5	61.3	62.	62.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500		57.	62.	62.0	64.8	65.5	66.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000		63.4	69.3	69.	73.2	73.9	74.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500		66.2	71.1	71.8	76.8	77.5	78.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000		69.0	73.9	74.7	81.0	81.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500		69.7	74.7	76.1	82.4	83.1	83.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		69.7	74.7	76.1	82.4	83.1	83.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800		69.7	74.7	76.1	82.4	83.1	83.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500		7 .4	75.4	77.5	86.6	87.3	88.7	90.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200		7 .4	75.4	77.5	86.6	87.3	90.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		71.1	76.9	79.6	9 .9	91.6	95.8	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		71.1	76.9	79.6	90.9	91.6	95.8	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		71.1	76.9	79.6	91.6	92.3	96.5	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		71.1	76.9	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		71.1	76.8	79.6	91.6	92.3	96.5	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 142

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

77-81 | SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): 03

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING	.5	27.9	27.9	28.5	29.9	29.9	29.9	30.5	30.5	30.5	31.1	31.1	31.1	31.1	31.1	31.1
≥ 20000	3.	37.1	37.1	37.8	39.1	39.1	39.7	40.4	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1
≥ 18000	3.	37.1	37.1	37.8	39.1	39.1	39.7	40.4	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1
≥ 16000	3.	37.1	37.1	37.8	39.1	39.1	39.7	40.4	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1
≥ 14000	.1	38.4	39.4	39.1	40.4	40.4	41.1	41.7	41.7	41.7	42.4	42.4	42.4	42.4	42.4	42.4
≥ 12000	.1	42.4	42.4	43.1	44.4	44.4	45.0	45.7	45.7	45.7	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	3.1	47.7	48.3	49.0	50.3	50.3	51.7	53.0	53.0	53.0	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	4.5	49.7	51.0	51.7	53.0	53.0	54.3	55.6	55.6	55.6	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	.7	53.0	54.3	55.0	56.3	56.3	57.6	58.9	58.9	58.9	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	.7	56.1	56.3	57.0	59.3	58.3	59.6	60.9	60.9	60.9	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000	1.	56.6	57.3	57.6	58.9	58.9	60.3	61.6	61.6	61.6	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000	3.	57.6	59.6	60.3	61.6	61.6	62.9	64.2	64.2	64.2	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4500	.7	62.9	64.9	65.6	66.9	66.9	68.2	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	6.	74.2	74.2	74.8	77.5	77.5	78.8	80.1	80.1	80.1	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	8.	72.9	74.9	75.5	79.5	79.5	81.8	82.1	82.1	82.1	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	.9	77.5	77.5	79.5	84.8	85.4	86.8	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	.2	76.8	78.8	80.8	86.8	87.4	88.7	90.7	90.7	90.7	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	.9	77.5	79.5	81.5	87.4	88.1	89.4	91.4	91.4	91.4	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	.7	77.5	79.5	81.5	87.4	88.1	89.4	91.4	91.4	91.4	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	.7	77.5	79.5	82.1	88.1	89.4	91.4	93.4	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	.7	77.5	79.5	82.1	88.1	90.1	92.1	94.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	1.	77.2	80.1	82.8	90.7	92.7	94.7	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	1.	78.2	80.8	83.4	91.4	93.4	95.4	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.5	78.2	80.8	83.4	91.4	93.4	95.4	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 151

DIPNAVOCEANMET SMOS

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	≥ ⅝	≥ 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 5MOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

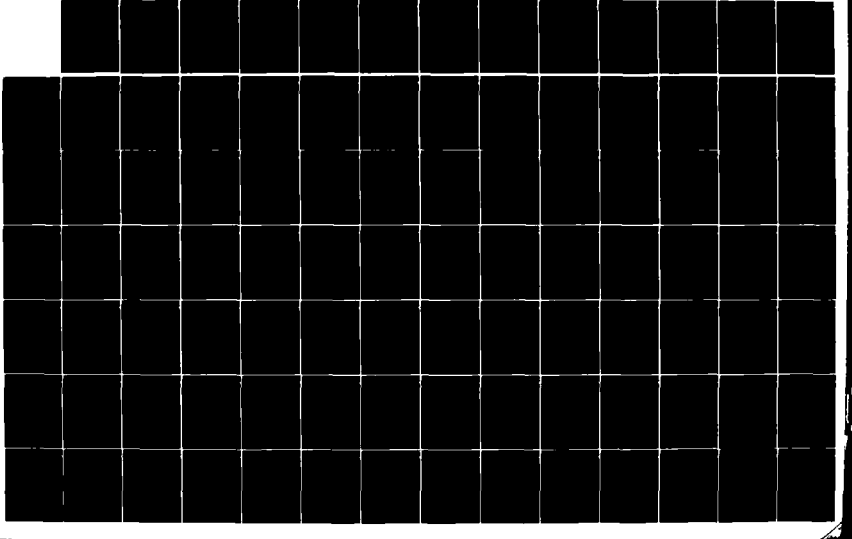
CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
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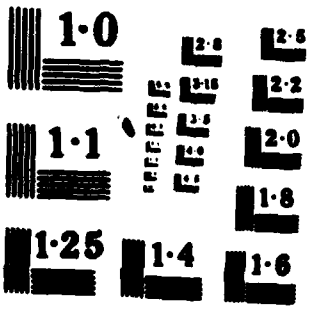
TOTAL NUMBER OF OBSERVATIONS 274

SUPERVISOR IN CHARGE

AD A151 677 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
FOR ATSUGI JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

UNCLASSIFIED F/G 4/2 NL




1·0
1·1
1·25
1·4
2·5
2·2
2·0
1·8
1·6

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME JAPAN 73-82 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	26.7	27.4	27.4	27.8	[illegible]	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 20000	3.1	[illegible]	39.5	41.6	41.6	41.6	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	41.6	41.6	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 16000	3.1	[illegible]	39.5	[illegible]	41.6	41.6	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 14000	[illegible]	[illegible]	41.3	42.4	43.4	43.4	43.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 12000	[illegible]	42.4	45.6	46.6	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	[illegible]	45.7	49.8	50.9	52.3	52.3	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 9000	[illegible]	46.3	50.2	51.6	53.0	53.0	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 8000	1.6	48.4	52.3	54.1	56.6	56.9	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	1.6	48.4	52.3	54.1	56.6	56.9	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	[illegible]	49.1	53.7	54.8	57.7	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	[illegible]	50.5	54.5	56.2	59.4	59.8	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	[illegible]	52.0	56.2	58.7	62.3	62.6	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4000	[illegible]	54.1	58.7	62.3	66.6	66.9	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	[illegible]	58.4	63.7	67.6	73.0	73.3	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	[illegible]	62.3	67.6	72.2	78.3	78.7	80.8	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	[illegible]	64.4	69.8	74.4	80.4	80.8	83.3	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	[illegible]	66.6	71.9	76.5	82.9	83.3	85.8	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	[illegible]	66.6	72.2	76.9	83.3	83.6	86.1	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	[illegible]	67.3	73.3	77.9	84.7	85.1	89.0	90.8	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	[illegible]	67.3	73.3	79.3	85.1	86.1	90.0	91.8	92.5	92.9	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	[illegible]	67.3	73.3	79.7	86.1	87.2	91.5	94.0	95.0	95.4	95.7	96.1	96.1	96.1	96.1	96.1
≥ 900	[illegible]	67.3	73.3	79.0	86.5	87.5	91.8	94.3	95.4	95.7	96.1	96.4	96.4	96.4	96.4	96.4
≥ 800	[illegible]	67.3	73.3	79.0	86.8	87.9	92.5	95.4	96.4	96.8	97.5	97.9	97.9	97.9	97.9	97.9
≥ 700	[illegible]	67.3	73.3	79.0	86.8	87.9	92.5	95.4	96.4	96.8	97.5	97.9	97.9	97.9	97.9	97.9
≥ 600	[illegible]	67.3	73.3	79.0	86.8	87.9	92.5	95.4	96.4	97.2	97.9	98.2	98.2	98.2	98.2	98.2
≥ 500	56.6	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	99.3	99.3	99.3	99.3
≥ 400	56.6	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	99.6	99.6	99.6	99.6
≥ 300	[illegible]	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	100.0	100.0	100.0	100.0
≥ 200	56.6	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	100.0	100.0	100.0	100.0
≥ 100	56.6	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	100.0	100.0	100.0	100.0
≥ 0	56.6	67.3	73.3	79.0	86.8	88.3	93.2	96.4	97.5	98.2	98.9	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 281

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME 73-02 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 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	22.[illegible]	24.7	24.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 20000	34.1	38.4	39.8	41.2	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	34.1	38.4	39.8	41.2	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 16000	34.1	38.4	39.8	41.2	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 14000	34.4	39.1	40.5	42.3	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	37.6	42.7	44.1	46.2	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	39.7	45.5	47.3	49.8	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	39.8	45.5	47.3	49.8	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	41.6	47.7	49.5	52.0	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 7000	41.4	47.7	49.5	52.0	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 6000	41.9	48.0	49.8	52.3	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000	44.1	51.3	53.4	55.9	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 4500	46.2	52.7	54.8	57.7	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	46.5	56.3	58.9	62.0	66.3	66.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	52.7	59.9	62.4	66.0	72.0	72.4	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	55.2	63.8	66.7	71.0	78.5	79.2	79.9	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	59.8	67.0	70.3	74.6	82.8	84.2	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	59.9	68.5	71.7	76.0	84.6	86.0	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800	60.2	68.8	72.0	76.3	85.0	86.4	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	60.6	69.2	72.8	77.8	86.7	88.5	90.0	91.0	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	61.3	69.5	73.1	78.1	87.1	88.9	90.3	91.4	91.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	61.3	69.9	73.5	78.5	87.5	89.6	91.0	92.8	92.8	94.6	94.6	95.0	95.0	95.0	95.0	95.0
≥ 900	61.3	69.9	73.5	78.5	87.5	90.0	91.4	93.2	93.2	95.3	95.3	95.7	95.7	95.7	95.7	95.7
≥ 800	61.3	69.9	73.5	78.9	87.8	90.3	92.1	93.9	94.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8
≥ 700	61.3	69.9	73.5	78.9	87.8	90.3	92.1	93.9	94.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8
≥ 600	61.3	69.9	73.5	78.9	87.8	90.7	92.5	94.3	94.6	97.1	97.1	97.9	97.9	97.9	97.9	97.9
≥ 500	61.3	69.9	73.5	78.9	88.5	91.4	93.2	95.3	95.3	97.9	97.9	98.6	98.6	98.6	98.6	98.6
≥ 400	61.3	69.9	73.5	78.9	88.9	91.8	93.9	96.1	96.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6
≥ 300	61.3	69.9	73.5	78.9	88.9	91.8	93.9	96.4	96.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	61.3	69.9	73.5	78.9	88.9	91.8	93.9	96.4	96.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	61.3	69.9	73.5	78.9	88.9	91.8	93.9	96.4	96.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 0	61.3	69.9	73.5	78.9	88.9	91.8	93.9	96.4	96.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] JAPAN — STATION NAME — 73-82 — YEARS — APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18 — 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].1	26.9	27.[illegible]	28.6	[illegible].7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000	23.[illegible]	39.1	40.3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	33.[illegible]	39.1	40.3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000	33.[illegible]	39.1	40.3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 14000	34.5	40.0	41.7	43.5	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	37.4	43.5	45.5	47.6	49.3	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	41.3	47.6	49.7	51.7	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	41.7	48.3	50.3	52.4	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000	41.7	49.7	51.7	54.1	56.6	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	42.1	50.7	52.8	55.2	57.6	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 6000	43.1	51.4	53.5	55.9	58.3	58.6	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 5000	44.5	53.1	55.5	57.9	60.3	60.7	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4500	46.2	55.9	59.0	62.1	65.5	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4000	47.3	58.3	61.4	64.8	70.3	71.0	72.1	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 3500	48.3	59.3	62.4	65.9	71.7	72.4	73.8	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	52.1	62.8	66.6	70.0	77.2	78.6	80.7	81.4	81.4	81.7	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	53.[illegible]	65.2	69.3	72.8	80.3	82.1	84.5	85.2	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000	54.5	65.9	70.0	73.5	81.2	83.1	85.5	86.2	86.6	86.9	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	54.[illegible]	66.2	70.3	73.8	81.4	83.5	86.2	86.9	87.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	55.5	66.9	71.0	74.8	83.1	85.2	88.3	89.3	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	55.5	66.9	71.0	74.8	83.1	85.5	89.0	90.7	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	55.5	66.9	71.0	74.8	83.8	86.2	89.7	92.4	93.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	55.5	66.9	71.0	74.8	84.1	86.6	90.0	92.8	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	55.5	67.2	71.4	75.2	85.2	87.6	91.0	93.8	95.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	55.6	67.2	71.4	75.2	85.2	87.6	91.0	94.1	95.5	96.6	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	55.5	67.2	71.4	75.2	85.2	87.6	91.0	94.1	95.5	96.6	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	55.5	67.2	71.4	75.2	85.2	87.9	91.4	94.8	96.2	97.6	98.3	98.3	98.3	98.6	98.6	98.6
≥ 400	55.5	67.2	71.4	75.2	85.2	87.9	91.4	94.8	96.2	97.6	98.6	98.6	98.6	99.0	99.0	99.0
≥ 300	55.5	67.2	71.4	75.2	85.2	88.3	91.7	95.2	96.6	97.9	99.0	99.0	99.0	99.3	99.3	99.3
≥ 200	55.5	67.2	71.4	75.2	85.2	88.3	92.1	95.5	96.9	98.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 100	55.5	67.2	71.4	75.2	85.2	88.3	92.1	95.5	96.9	98.3	99.3	99.3	99.3	99.7	99.7	100.0
0	55.5	67.2	71.4	75.2	85.2	88.3	92.1	95.5	96.9	98.3	99.3	99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 290

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME 47-62 YEARS APR MONTH

21 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]	23.5	29.6	29.6	30.7	30.7	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 20000	[illegible]	37.1	38.2	38.5	39.6	39.6	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000	[illegible]	37.1	38.2	38.5	39.6	39.6	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	[illegible]	37.1	38.2	38.5	39.6	39.6	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000	[illegible]	37.8	38.9	39.3	40.4	40.4	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000	[illegible]	40.7	41.9	42.2	43.3	43.3	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 10000	[illegible]	45.9	47.0	48.2	49.3	49.3	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	[illegible]	46.3	47.4	48.5	49.6	49.6	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	[illegible]	51.3	52.7	54.8	56.7	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 7000	[illegible]	52.2	54.8	55.9	57.8	58.2	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	[illegible]	53.3	55.7	57.4	59.3	59.6	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	[illegible]	56.3	59.3	61.7	62.6	63.3	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4500	[illegible]	59.3	62.6	64.1	67.0	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	[illegible]	65.6	69.3	71.5	76.3	77.0	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	[illegible]	67.4	71.1	73.3	79.3	80.0	80.4	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	[illegible]	70.7	74.8	77.0	83.7	84.4	84.8	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	[illegible]	71.1	75.2	77.8	85.2	85.9	86.3	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	[illegible]	71.5	75.6	78.9	86.3	87.0	87.4	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	[illegible]	71.9	75.9	79.3	86.7	87.4	87.8	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	[illegible]	72.2	76.3	80.0	89.3	90.4	90.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	[illegible]	72.6	76.7	80.4	90.4	91.5	92.2	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	[illegible]	72.6	76.7	80.4	91.1	92.6	93.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	[illegible]	72.6	76.7	80.7	91.5	93.0	94.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	[illegible]	72.6	76.7	80.7	91.5	93.0	94.1	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	[illegible]	72.6	76.7	80.7	91.9	93.3	94.4	96.7	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8
≥ 600	[illegible]	72.6	76.7	80.7	91.9	93.3	94.4	96.7	97.4	97.8	97.8	97.8	98.2	98.5	98.5	98.5
≥ 500	[illegible]	72.6	76.7	80.7	92.6	94.1	95.2	97.4	98.2	98.5	98.5	98.9	99.3	99.3	99.3	99.3
≥ 400	[illegible]	73.0	77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6	99.6	99.6	99.6
≥ 300	[illegible]	73.0	77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6	99.6	99.6	99.6
≥ 200	[illegible]	73.0	77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6	99.6	99.6	99.6
≥ 100	[illegible]	73.0	77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6	99.6	99.6	100.0
≥ 0	[illegible]	73.0	77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL 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	28.4	25.0	26.3	27.0	28.2	28.2	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.8
≥ 20000	30.1	34.2	36.0	37.2	39.3	39.5	39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5
≥ 18000	30.2	34.2	36.1	37.3	39.4	39.5	39.8	40.2	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6
≥ 16000	30.2	34.2	36.1	37.3	39.4	39.5	39.8	40.2	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6
≥ 14000	30.2	35.2	37.1	38.5	40.6	40.7	41.1	41.5	41.7	41.7	41.8	41.8	41.8	41.9	41.9	41.9
≥ 12000	33.1	38.1	40.2	41.7	44.1	44.4	44.7	45.1	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6
≥ 10000	35.1	41.3	44.7	46.3	48.8	49.1	49.5	50.0	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5
≥ 9000	35.3	42.3	44.8	46.6	49.5	49.8	50.2	50.7	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2
≥ 8000	37.5	44.8	47.7	49.7	53.2	53.7	54.2	54.6	55.0	55.1	55.2	55.2	55.2	55.3	55.3	55.3
≥ 7000	38.0	45.4	48.4	50.4	54.0	54.5	55.0	55.5	55.8	56.0	56.0	56.0	56.0	56.1	56.1	56.1
≥ 6000	39.8	46.3	49.3	51.4	55.1	55.6	56.1	56.5	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2
≥ 5000	42.2	49.1	52.3	54.4	58.5	59.1	59.7	60.2	60.5	60.7	60.7	60.7	60.7	60.8	60.8	60.8
≥ 4500	44.3	51.5	55.6	58.0	62.7	63.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3
≥ 4000	47.6	56.0	60.1	62.9	69.3	70.2	71.2	72.1	72.5	72.7	72.8	72.8	72.8	72.9	72.9	72.9
≥ 3500	49.3	58.5	62.7	65.7	72.9	73.9	75.3	76.3	76.8	77.0	77.0	77.0	77.0	77.1	77.1	77.1
≥ 3000	52.4	61.9	66.4	69.8	78.0	79.4	81.1	82.5	83.0	83.3	83.4	83.4	83.4	83.5	83.5	83.5
≥ 2500	53.5	63.4	68.1	71.6	80.3	81.8	83.7	85.1	85.6	86.0	86.1	86.1	86.1	86.2	86.2	86.2
≥ 2000	54.2	64.2	69.0	72.6	81.5	83.1	84.9	86.4	87.0	87.3	87.4	87.4	87.4	87.5	87.5	87.5
≥ 1800	54.4	64.3	69.2	72.8	81.8	83.3	85.2	86.7	87.3	87.6	87.7	87.7	87.7	87.8	87.8	87.8
≥ 1500	54.9	64.9	69.9	73.8	83.8	85.5	88.0	89.8	90.4	91.2	91.3	91.3	91.4	91.5	91.5	91.5
≥ 1200	55.1	65.0	70.0	74.0	84.1	86.0	88.8	90.9	91.7	92.6	92.7	92.7	92.9	93.0	93.0	93.0
≥ 1000	55.1	65.2	70.3	74.4	85.3	87.5	90.6	93.1	94.1	95.1	95.3	95.4	95.5	95.6	95.6	95.6
≥ 900	55.2	65.3	70.3	74.6	85.5	87.7	90.9	93.4	94.4	95.5	95.7	95.8	95.9	96.0	96.0	96.0
≥ 800	55.2	65.3	70.4	74.7	86.0	88.3	91.6	94.3	95.6	96.7	97.0	97.1	97.2	97.3	97.3	97.3
≥ 700	55.2	65.3	70.4	74.7	86.3	88.6	91.9	94.7	95.9	97.2	97.5	97.7	97.8	97.9	97.9	97.9
≥ 600	55.2	65.3	70.4	74.7	86.3	88.8	92.1	94.9	96.1	97.5	97.8	98.1	98.3	98.4	98.4	98.4
≥ 500	55.2	65.3	70.4	74.7	86.6	89.2	92.6	95.5	96.8	98.2	98.6	98.9	99.1	99.2	99.2	99.2
≥ 400	55.2	65.4	70.5	74.8	86.7	89.4	92.9	95.8	97.1	98.5	98.9	99.2	99.5	99.6	99.6	99.6
≥ 300	55.2	65.4	70.5	74.8	86.7	89.4	92.9	95.9	97.2	98.6	99.0	99.3	99.6	99.8	99.8	99.9
≥ 200	55.2	65.4	70.5	74.8	86.7	89.4	93.0	95.9	97.2	98.6	99.0	99.3	99.7	99.9	99.9	99.9
≥ 100	55.2	65.4	70.5	74.8	86.7	89.4	93.0	95.9	97.2	98.6	99.0	99.3	99.7	99.9	99.9	100.0
≥ 0	55.2	65.4	70.5	74.8	86.7	89.4	93.0	95.9	97.2	98.6	99.0	99.3	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1971

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible], J[illegible] AA — STATION NAME — 77-82 — YEARS — MAY — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00 — 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	[illegible]7	29.9	29.9	31.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	33.1
≥ 20000	[illegible]7	41.6	41.6	42.9	46.1	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.7
≥ 18000	[illegible]7	41.6	41.6	42.9	46.1	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.7
≥ 16000	[illegible]7	41.6	41.6	42.9	46.1	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.7
≥ 14000	[illegible]7	41.6	41.6	42.9	46.1	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.7
≥ 12000	[illegible]5	45.5	45.5	46.8	50.7	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	53.3
≥ 10000	[illegible]7	50.7	50.7	53.9	57.8	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.4
≥ 9000	[illegible]7	50.7	50.7	53.9	58.4	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	61.0
≥ 8000	[illegible]3	55.2	55.2	58.4	63.0	64.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.9
≥ 7000	[illegible]3	55.2	55.2	58.4	63.6	65.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.5
≥ 6000	[illegible]3	55.2	55.2	58.4	63.6	65.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.5
≥ 5000	[illegible]5	58.4	58.4	61.7	67.5	69.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.4
≥ 4500	[illegible]1	63.0	63.0	66.2	72.1	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0
≥ 4000	[illegible]6	67.5	67.5	70.8	77.9	79.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.5
≥ 3500	67.5	69.5	69.5	72.4	80.5	82.5	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.1
≥ 3000	[illegible]3	70.8	70.8	76.0	83.8	86.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.6
≥ 2500	[illegible]3	70.8	70.8	76.0	83.8	86.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.6
≥ 2000	[illegible]5	71.4	71.4	76.6	84.4	87.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.3
≥ 1800	[illegible]5	71.4	71.4	76.6	84.4	87.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.3
≥ 1500	[illegible]5	71.4	71.4	76.6	84.4	87.7	91.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.2
≥ 1200	[illegible]1	72.1	72.1	77.3	85.7	89.6	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.2
≥ 1000	[illegible]1	72.1	72.1	77.3	86.4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 900	[illegible]1	72.1	72.1	77.3	86.4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 800	[illegible]1	72.1	72.1	77.3	86.4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 700	[illegible]1	72.1	72.1	77.3	86.4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 600	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.7
≥ 500	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.7
≥ 400	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	99.4
≥ 300	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	99.4
≥ 200	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	99.4
≥ 100	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	100.0
≥ 0	[illegible]1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible], JAPAN — STATION NAME — 77-82 — YEARS — MAY — MONTH

03 — 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]	39.5	3[illegible].3	32.9	37.2	37.2	37.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 20000	[illegible].6	39.1	42.1	43.3	49.4	49.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	[illegible].6	39.1	42.1	43.3	49.4	49.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	[illegible].6	39.1	42.1	43.3	49.4	49.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	[illegible].6	39.1	42.1	43.3	50.0	50.0	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	[illegible].7	43.3	46.3	47.6	54.9	54.9	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	[illegible].3	48.4	51.6	53.7	61.0	61.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	[illegible].3	48.4	51.6	53.7	61.0	61.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	[illegible].7	49.4	52.1	55.5	63.4	64.0	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	[illegible].7	49.4	52.1	55.5	63.4	64.0	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	[illegible].6	50.1	53.7	56.1	64.0	64.6	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	[illegible].3	51.2	54.9	57.3	65.2	65.9	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	[illegible].4	54.9	58.5	61.6	69.5	70.1	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	[illegible].5	57.9	61.6	65.2	73.2	74.4	75.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	[illegible].7	61.0	65.2	68.9	76.8	78.1	79.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	3.4	65.9	70.7	75.6	84.2	86.0	87.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	3.4	65.9	70.7	75.6	84.8	86.6	87.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	3.4	65.9	70.7	75.6	85.4	87.2	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	3.4	65.9	70.7	75.6	85.4	87.2	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	3.4	65.9	70.7	75.6	86.6	88.4	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	4.0	66.5	71.3	76.8	88.4	90.9	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	98.2	98.2	98.2
≥ 400	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	98.2	98.2	98.2	98.8	98.8	98.8
≥ 300	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	98.8	98.8	98.8	99.4	99.4	99.4
≥ 200	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	98.8	98.8	98.8	99.4	99.4	99.4
≥ 100	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	98.8	98.8	98.8	99.4	99.4	100.0
≥ 0	4.0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	98.8	98.8	98.8	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 164

DIRNAVOCEANMET SMOS

NAVAL WEATHERSERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] 72-92 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

36 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]	11.6	15.[illegible]	17.5	2[illegible].6	23.6	25.3	25.7	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 20000	14.[illegible]	18.8	23.6	26.7	34.3	36.6	40.1	41.1	41.8	42.1	42.5	42.5	42.8	42.8	42.8	42.8
≥ 18000	14.[illegible]	18.8	23.6	26.7	34.3	36.6	40.1	41.1	41.8	42.1	42.5	42.5	42.8	42.8	42.8	42.8
≥ 16000	14.[illegible]	18.8	23.6	26.7	34.3	36.6	40.1	41.1	41.8	42.1	42.5	42.5	42.8	42.8	42.8	42.8
≥ 14000	16.[illegible]	19.9	27.3	28.4	36.3	38.7	42.1	43.2	43.8	44.2	44.5	44.5	44.9	44.9	44.9	44.9
≥ 12000	17.1	21.4	27.7	31.2	39.4	41.8	45.6	46.6	47.3	47.6	48.3	48.3	48.6	48.6	48.6	48.6
≥ 10000	17.8	22.6	27.6	32.5	41.4	43.8	48.0	49.7	50.3	50.7	51.4	51.4	51.7	52.1	52.1	52.1
≥ 9000	17.8	22.6	27.1	32.9	41.8	44.2	49.6	50.3	51.0	51.4	52.1	52.1	52.4	52.7	52.7	52.7
≥ 8000	21.[illegible]	25.7	33.2	37.3	47.3	51.0	55.8	57.9	58.6	59.3	59.9	59.9	60.3	60.6	60.6	60.6
≥ 7000	21.[illegible]	25.7	33.2	37.3	47.3	51.0	55.8	57.9	58.6	59.6	60.3	60.3	60.6	61.0	61.0	61.0
≥ 6000	21.[illegible]	26.1	33.6	37.7	48.0	51.7	56.5	58.6	59.3	60.3	61.0	61.0	61.3	61.6	61.6	61.6
≥ 5000	23.[illegible]	29.5	37.[illegible]	41.1	52.1	55.8	60.6	63.0	63.7	64.7	65.4	65.4	65.8	66.1	66.1	66.1
≥ 4500	25.[illegible]	32.2	40.4	45.2	57.2	61.6	66.8	69.2	69.9	70.9	71.6	71.6	71.9	72.3	72.3	72.3
≥ 4000	26.[illegible]	33.9	42.[illegible]	48.[illegible]	60.6	65.4	70.6	73.3	74.3	75.7	76.4	76.4	76.7	77.1	77.1	77.1
≥ 3500	27.[illegible]	36.0	44.9	50.3	64.0	69.2	74.3	77.7	78.8	80.1	80.8	80.8	81.2	81.5	81.5	81.5
≥ 3000	28.[illegible]	37.0	46.[illegible]	51.8	66.1	71.6	76.7	80.[illegible]	82.5	84.3	84.9	84.9	85.3	85.6	85.6	85.6
≥ 2500	28.[illegible]	37.0	46.[illegible]	51.4	66.4	71.9	77.1	81.2	83.2	85.3	86.0	86.0	86.3	86.6	86.6	86.6
≥ 2000	28.[illegible]	37.[illegible]	46.[illegible]	51.4	66.4	72.3	77.4	81.5	83.6	86.[illegible]	86.6	86.6	87.0	87.3	87.3	87.3
≥ 1800	28.[illegible]	37.[illegible]	46.9	51.4	66.4	72.3	77.4	81.5	83.6	86.0	86.6	86.6	87.0	87.3	87.3	87.3
≥ 1500	28.[illegible]	37.[illegible]	46.[illegible]	51.4	67.5	73.3	78.4	82.5	85.6	88.7	89.7	89.7	90.1	90.4	90.4	90.4
≥ 1200	28.[illegible]	37.[illegible]	46.2	51.7	67.8	74.[illegible]	79.1	83.2	86.3	89.4	90.8	90.8	91.1	91.4	91.4	91.4
≥ 1000	28.[illegible]	37.0	46.2	52.1	69.5	74.7	80.1	84.6	87.7	91.1	92.5	92.5	92.8	93.2	93.2	93.2
≥ 900	28.[illegible]	37.0	46.2	52.1	68.8	75.0	80.5	84.9	88.0	91.4	92.8	92.8	93.2	93.5	93.5	93.5
≥ 800	28.[illegible]	37.[illegible]	46.2	52.1	69.5	75.7	81.5	86.3	89.7	93.5	94.9	94.9	95.2	95.6	95.6	95.6
≥ 700	28.[illegible]	37.3	46.2	52.1	69.5	75.7	81.5	86.3	89.7	93.5	94.9	94.9	95.2	95.6	95.6	95.6
≥ 600	29.[illegible]	37.0	46.2	52.1	70.2	76.4	82.9	87.7	91.1	94.9	96.2	96.6	96.9	97.3	97.3	97.3
≥ 500	28.[illegible]	37.3	46.2	52.1	70.2	76.4	82.9	87.7	91.1	95.2	96.6	96.9	97.3	97.6	97.6	98.[illegible]
≥ 400	28.[illegible]	37.0	46.2	52.1	70.2	76.4	82.9	87.7	91.1	95.2	96.6	96.9	97.6	98.3	98.6	99.0
≥ 300	28.[illegible]	37.1	46.2	52.1	70.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	98.0	99.0	99.3	99.7
≥ 200	28.[illegible]	37.[illegible]	46.2	52.1	70.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	98.0	99.3	99.7	100.0
≥ 100	28.[illegible]	37.1	46.2	52.1	70.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	98.0	99.3	99.7	100.0
0	28.[illegible]	37.[illegible]	46.2	52.1	70.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	98.0	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-77 YEARS MAY MONTH

09 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	[illegible]	34.1	2[illegible].1	[illegible]	28.0	[illegible]8.3	2[illegible].3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	[illegible]	37.3	4[illegible].1	42.7	49.1	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	[illegible]	37.3	4[illegible].5	43.1	49.5	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	[illegible]	37.3	4[illegible].5	43.1	49.5	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	[illegible]	[illegible]	43.1	45.9	53.1	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	[illegible]	40.6	46.2	46.0	55.0	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	[illegible]	42.3	47.0	50.2	59.8	61.3	62.0	62.0	62.0	62.0	62.1	62.0	62.0	62.1	62.1	62.1
≥ 9000	[illegible]	42.3	47.0	50.2	59.8	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	[illegible]	44.4	48.5	52.7	62.0	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	[illegible]	44.4	48.5	52.7	62.0	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	[illegible]	44.4	48.5	52.7	62.4	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	[illegible]	46.2	51.4	54.8	65.6	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	[illegible]	48.4	54.1	57.7	68.8	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	[illegible]	50.2	5[illegible].3	61.9	73.1	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	[illegible]	51.3	5[illegible].4	60.8	74.2	76.7	77.8	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	[illegible]	54.1	60.2	63.8	79.2	82.1	83.2	84.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	[illegible]	55.2	61.3	64.9	81.0	83.9	85.3	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	[illegible]	55.9	62.0	65.6	82.1	85.3	86.7	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	[illegible]	56.3	62.4	66.0	82.4	85.7	87.1	88.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	[illegible]	56.3	62.7	66.3	82.8	86.0	87.8	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	[illegible]	56.6	63.1	66.7	83.9	87.1	89.3	90.7	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	[illegible]	56.6	63.1	66.7	85.3	88.9	91.4	93.2	94.6	96.1	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	[illegible]	56.6	63.1	66.7	85.3	88.9	91.4	93.6	95.0	96.2	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	94.6	96.1	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	96.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	96.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	96.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	56.6	63.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.4	37.1	38.4	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	37.7	45.3	48.1	49.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	37.7	45.3	48.4	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	37.7	45.4	48.4	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	38.1	46.4	49.8	51.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	43.1	51.9	55.4	57.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 10000	44.7	52.6	56.1	58.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	44.3	52.6	56.1	58.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	45.4	54.7	58.5	61.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	45.4	54.7	58.5	61.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	47.1	56.1	59.9	62.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	47.8	57.1	60.9	63.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	48.9	58.1	62.3	65.1	69.2	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4000	50.7	60.2	65.1	67.8	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	51.0	61.9	67.1	69.9	75.8	75.8	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	54.3	65.1	71.9	73.7	80.3	80.3	80.6	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.0	82.0
≥ 2500	56.0	67.5	74.1	76.8	84.1	84.1	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	57.1	69.2	75.8	78.6	86.5	86.5	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	57.1	69.2	75.8	78.6	86.5	86.5	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	57.5	69.9	76.5	79.2	87.5	87.5	87.9	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	57.5	69.9	76.5	79.2	88.2	88.2	89.6	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	57.5	69.9	76.5	79.2	88.9	88.9	90.7	92.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	57.5	69.9	76.5	79.2	88.9	88.9	90.7	92.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	57.5	69.9	76.5	79.6	90.3	90.3	92.0	94.5	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	57.5	69.9	76.5	79.6	91.3	90.7	92.4	95.5	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	57.5	69.9	76.5	79.6	92.7	91.0	92.7	96.2	97.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	57.5	69.9	76.5	79.6	92.7	91.0	92.7	96.5	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	57.5	69.9	76.5	79.6	92.7	91.0	92.7	96.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	57.5	69.9	76.5	79.6	90.7	91.0	92.7	96.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	57.5	69.9	76.5	79.6	90.7	91.0	92.7	96.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	57.5	69.9	76.5	79.6	90.7	91.0	92.7	96.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	57.5	69.9	76.5	79.6	90.7	91.0	92.7	96.9	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 289

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH MAY

HOURS (LST) 1[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	[illegible]	52.4	53.1	53.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	[illegible]	57.6	58.3	59.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 10000	[illegible]	61.4	62.2	63.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	[illegible]	61.6	62.9	63.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	[illegible]	63.2	64.2	64.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	[illegible]	63.2	64.2	64.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	[illegible]	63.9	64.9	65.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	[illegible]	64.4	65.4	66.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	[illegible]	67.7	69.1	69.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000	[illegible]	70.5	72.6	73.6	76.4	76.4	76.4	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	[illegible]	72.9	75.4	77.1	80.2	80.5	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	[illegible]	75.4	78.8	80.9	84.4	84.7	84.7	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	[illegible]	76.4	79.9	81.9	86.4	86.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	[illegible]	78.5	82.3	84.7	88.2	89.2	89.2	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	[illegible]	79.6	82.6	85.1	88.5	89.6	89.6	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	[illegible]	79.8	83.1	85.4	89.2	90.3	90.6	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	[illegible]	79.8	83.3	85.8	90.3	91.3	92.0	92.4	93.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	[illegible]	79.8	83.7	86.1	90.6	91.7	92.4	92.7	93.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	[illegible]	79.8	83.7	86.1	90.6	91.7	92.4	92.7	93.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	[illegible]	79.9	84.0	86.8	91.3	92.4	93.4	94.1	94.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	[illegible]	79.9	84.0	87.2	91.7	92.7	94.1	95.1	96.2	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	[illegible]	79.9	84.0	87.2	91.7	93.1	94.4	95.5	96.9	97.9	98.3	98.3	98.3	98.3	98.3
≥ 500	[illegible]	79.9	84.0	87.2	92.0	93.4	94.8	96.2	97.2	98.6	99.3	99.3	99.3	99.3	99.3
≥ 400	[illegible]	79.9	84.0	87.2	92.0	93.4	94.8	96.5	97.9	99.3	99.7	99.7	99.7	99.7	99.7
≥ 300	[illegible]	79.9	84.1	87.2	92.4	93.8	95.1	96.9	98.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	79.9	84.1	87.2	92.4	93.8	95.1	96.9	98.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	79.9	84.1	87.2	92.4	93.8	95.1	96.9	98.3	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	79.9	84.1	87.2	92.4	93.8	95.1	96.9	98.3	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2 8

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL DATA SERVICE NO.

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	≥ 0
NO CEILING			24.7							25.7	25.7	25.7			
≥ 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 256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-77 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 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]	37.1	2[illegible].5	2[illegible].8	[illegible]9.9	[illegible]1.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.[illegible]
≥ 20000	1.[illegible]	36.7	3[illegible].5	4 .2	42.4	43.9	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 18000	1.[illegible]	36.7	3[illegible].5	4 .2	42.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 16000	1.[illegible]	36.7	3[illegible].5	4 .2	42.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 14000	2.[illegible]	37.4	4 .2	41.3	47.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	[illegible].[illegible]	4[illegible].7	4[illegible].6	4[illegible].6	49.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	[illegible].[illegible]	4[illegible].1	52.0	53.4	56.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	4[illegible].7	4[illegible].[illegible]	52.7	54.1	56.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000	[illegible].[illegible]	5[illegible].[illegible]	57.7	59.1	62.3	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000	[illegible].4	56.2	59.1	61.5	64.1	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	[illegible].4	56.2	59.4	[illegible].9	64.4	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	4[illegible].[illegible]	58.[illegible]	61.6	63.4	66.[illegible]	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	[illegible].[illegible]	61.[illegible]	[illegible]5.5	67.6	71.2	73.7	74.[illegible]	74.[illegible]	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.[illegible]
≥ 4000	[illegible].[illegible]	64.[illegible]	6[illegible].7	7C.8	75.1	77.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	[illegible].[illegible]	66.0	71.[illegible]	74.0	78.3	[illegible]0.8	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	.7	7C.8	74.7	76.9	81.5	[illegible]4.0	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	[illegible].8	72.2	76.2	79.[illegible]	84.[illegible]	[illegible]6.5	88.3	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.0	89.[illegible]	89.0	89.0
≥ 2000	[illegible].1	73.0	77.2	80.1	85.1	[illegible]7.5	89.3	9[illegible].0	90.[illegible]	90.[illegible]	90.[illegible]	90.0	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]
≥ 1800	[illegible].1	73.0	77.2	80.1	85.1	[illegible]7.5	89.3	90.0	90.0	90.0	90.0	90.0	90.[illegible]	90.0	90.[illegible]	90.[illegible]
≥ 1500	[illegible].1	73.3	77.6	80.4	[illegible]7.5	90.4	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	[illegible].1	73.7	77.9	81.1	88.3	91.5	94.0	94.7	95.0	95.0	95.0	95.[illegible]	95.[illegible]	95.0	95.0	95.[illegible]
≥ 1000	[illegible].5	74.[illegible]	78.3	81.5	88.6	[illegible]1.8	94.3	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	[illegible].5	74.[illegible]	78.3	81.5	88.6	91.8	94.3	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	[illegible].5	74.0	78.3	81.5	88.6	[illegible]2.2	94.7	96.4	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	[illegible].5	74.[illegible]	78.3	81.9	89.3	[illegible]2.9	95.7	97.5	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	[illegible].5	74.0	78.3	81.9	89.7	93.2	96.1	97.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	[illegible].5	74.0	78.3	81.9	89.7	93.2	96.1	97.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	[illegible].5	74.0	78.3	81.9	89.7	93.2	96.1	97.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	[illegible].[illegible]	74.0	78.3	81.9	89.7	93.2	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible].[illegible]	74.[illegible]	78.3	81.9	89.7	93.2	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible].[illegible]	74.[illegible]	78.3	81.9	89.7	93.2	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible].5	74.0	78.3	81.9	89.7	93.2	96.4	98.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 281

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] 57-62 YEARS MAY MONTH

ALL 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	24.7	28.3	30.9	38.8	39.1	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.7
≥ 20000	2.3	39.1	45.6	42.2	45.9	46.6	47.5	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.1
≥ 18000	2.5	39.1	40.7	42.3	46.0	46.9	47.6	47.8	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1
≥ 16000	2.5	39.1	40.7	42.3	46.0	46.9	47.6	47.8	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1
≥ 14000	3.3	39.4	42.3	44.1	48.3	49.0	49.6	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.2
≥ 12000	3.4	43.8	46.8	49.7	53.0	54.0	54.8	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.4
≥ 10000	3.8	46.2	50.1	52.4	57.1	58.2	59.0	59.4	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.8
≥ 9000	3.9	47.1	51.4	52.6	57.4	58.5	59.4	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.2
≥ 8000	42.3	49.9	53.8	56.1	61.2	62.9	63.8	64.2	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.7
≥ 7000	42.6	50.2	53.9	55.4	61.7	63.2	64.3	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.2
≥ 6000	43.1	50.8	54.7	57.2	62.7	64.2	65.3	65.6	65.7	65.9	66.0	66.0	66.0	66.1	66.1	66.1
≥ 5000	44.7	52.8	56.8	59.3	65.2	66.8	67.8	68.2	68.3	68.5	68.6	68.6	68.6	68.7	68.7	68.7
≥ 4500	47.9	55.9	59.7	62.5	68.7	70.3	71.4	72.0	72.1	72.2	72.3	72.3	72.3	72.4	72.4	72.4
≥ 4000	49.1	58.1	62.7	65.6	72.8	74.6	76.0	76.6	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.2
≥ 3500	50.6	60.0	64.9	68.1	75.7	77.6	79.0	80.0	80.2	80.5	80.6	80.6	80.6	80.7	80.7	80.7
≥ 3000	52.1	62.7	67.8	71.4	79.7	81.9	83.5	84.7	85.0	85.3	85.4	85.4	85.5	85.5	85.5	85.6
≥ 2500	53.2	63.6	68.8	72.5	81.3	83.6	85.2	86.4	86.8	87.2	87.3	87.3	87.4	87.4	87.4	87.5
≥ 2000	54.0	64.5	69.9	73.6	82.6	85.1	86.7	88.0	88.4	88.8	88.9	88.9	89.0	89.0	89.0	89.1
≥ 1800	54.0	64.6	70.0	73.7	82.7	85.1	86.8	88.1	88.6	89.3	89.1	89.1	89.1	89.2	89.2	89.2
≥ 1500	54.1	64.7	70.2	73.9	83.7	86.2	88.2	89.6	90.2	90.9	91.0	91.0	91.0	91.1	91.1	91.1
≥ 1200	54.2	64.9	70.5	74.3	84.6	87.3	89.6	91.0	91.9	92.6	92.8	92.8	92.8	92.9	92.9	92.9
≥ 1000	54.4	65.1	70.6	74.6	85.3	88.2	90.7	92.5	93.5	94.6	94.8	94.8	94.9	94.9	94.9	95.0
≥ 900	54.4	65.1	70.6	74.6	85.4	88.2	90.8	92.7	93.7	94.8	95.0	95.0	95.1	95.1	95.1	95.2
≥ 800	54.5	65.2	70.7	74.8	85.9	88.8	91.5	93.6	94.9	96.2	96.5	96.5	96.5	96.6	96.6	96.6
≥ 700	54.5	65.2	70.7	74.9	86.1	89.1	91.9	94.3	95.7	97.1	97.5	97.5	97.5	97.6	97.6	97.6
≥ 600	54.5	65.2	70.7	74.9	86.4	89.4	92.3	94.8	96.4	97.9	98.3	98.3	98.4	98.5	98.5	98.6
≥ 500	54.5	65.2	70.7	74.9	86.4	89.5	92.4	95.0	96.6	98.0	98.5	98.5	98.6	98.8	98.8	98.9
≥ 400	54.5	65.2	70.7	74.9	86.4	89.5	92.4	95.2	96.9	98.5	99.0	99.1	99.2	99.4	99.5	99.6
≥ 300	54.5	65.2	70.7	74.9	86.5	89.6	92.5	95.3	97.1	98.6	99.2	99.3	99.4	99.7	99.7	99.8
≥ 200	54.5	65.2	70.7	74.9	86.5	89.6	92.6	95.4	97.1	98.7	99.3	99.3	99.4	99.8	99.8	99.9
≥ 100	54.5	65.2	70.7	74.9	86.5	89.6	92.6	95.4	97.1	98.7	99.3	99.3	99.4	99.8	99.8	100.0
≥ 0	54.5	65.2	70.7	74.9	86.5	89.6	92.6	95.4	97.1	98.7	99.3	99.3	99.4	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2043

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible], JAPAN, STATION NAME — 76-80, YEARS — JUN, MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00, HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	21.4	23.1	24.[illegible]	24.9	25.4	25.4	25.4	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 20000	[illegible]	23.1	24.3	27.2	32.4	32.4	33.5	33.5	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	[illegible]	23.1	24.3	27.2	32.4	32.4	33.5	33.5	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000	[illegible]	23.1	24.3	27.2	32.4	32.4	33.5	33.5	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	[illegible]	23.1	24.3	27.2	33.[illegible]	33.0	34.1	34.1	34.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	[illegible]	30.1	31.8	34.7	41.6	42.2	43.4	43.4	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	34.[illegible]	36.4	39.3	42.2	50.[illegible]	50.9	52.0	52.6	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	37.6	39.3	42.2	45.1	53.2	53.8	54.9	55.5	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	43.4	45.1	48.6	52.0	60.1	60.7	61.9	62.4	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	43.4	45.1	48.6	52.0	60.1	60.7	61.9	62.4	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	43.[illegible]	45.7	49.1	52.6	60.7	61.3	62.4	63.0	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	44.1	46.8	50.3	54.3	64.2	64.7	65.9	66.5	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	45.[illegible]	47.4	50.9	54.9	65.3	65.9	67.6	68.2	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4000	46.1	50.7	56.1	60.1	71.1	72.3	74.0	75.7	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	50.[illegible]	52.6	57.8	61.9	77.4	75.1	76.9	79.2	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	52.6	54.9	60.1	64.2	76.3	78.0	80.4	83.2	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	53.7	55.5	61.7	64.7	76.9	78.6	81.5	84.4	85.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	53.[illegible]	56.1	61.3	65.3	77.5	79.2	82.1	85.0	85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	53.[illegible]	56.1	61.3	65.3	77.5	79.2	82.1	85.0	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	53.[illegible]	56.7	61.9	65.9	78.0	80.9	84.4	87.3	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	53.[illegible]	56.7	62.4	66.5	80.4	83.8	87.3	90.2	91.3	92.5	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	53.[illegible]	56.7	62.4	66.5	80.9	84.4	88.4	91.9	93.1	94.8	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	53.[illegible]	56.7	62.4	66.5	80.9	84.4	88.4	91.9	93.1	94.8	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	53.[illegible]	56.7	62.4	66.5	80.9	85.0	89.0	92.5	93.6	95.4	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	53.[illegible]	56.7	62.4	66.5	80.9	85.0	89.6	93.1	94.2	96.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	53.[illegible]	56.7	62.4	66.5	80.9	85.0	89.6	93.1	94.8	96.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	53.[illegible]	56.7	62.4	66.5	80.9	85.0	89.6	93.1	94.8	97.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	54.3	57.2	63.0	67.1	82.1	86.1	90.8	94.2	96.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	54.3	57.2	63.0	67.1	82.1	86.1	90.8	94.2	96.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	54.3	57.2	63.0	67.1	82.1	86.1	90.8	94.2	96.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.3	57.2	63.0	67.1	82.1	86.1	90.8	94.2	96.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	54.3	57.2	63.0	67.1	82.1	86.1	90.8	94.2	96.5	98.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 173

DIRNAVOCEANMET SMOS

NAVAL WEATHER [illegible] DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 76-82 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

03 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	[illegible]	17.4	18.0	17.3	19.7	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
≥ 20000	[illegible]	18.4	21.2	24.4	28.9	29.5	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 18000	[illegible]	18.4	21.2	24.4	28.9	29.5	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 16000	[illegible]	18.4	21.2	24.4	28.9	29.5	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 14000	1.5	19.1	20.8	24.6	29.5	30.1	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 12000	1.4	22.0	23.7	27.5	33.5	34.1	35.8	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 10000	1.4	26.0	29.5	35.3	39.9	41.0	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 9000	1.3	28.9	32.4	38.2	43.4	44.5	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
≥ 8000	3.3	33.5	37.6	43.4	49.1	50.3	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	3.3	33.5	37.6	43.9	49.7	50.9	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 6000	14.1	34.7	38.7	45.1	51.9	52.0	54.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000		37.6	41.6	47.0	53.8	54.9	57.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4500		38.7	42.8	49.1	55.5	57.2	60.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	41.0	41.6	46.2	54.9	63.6	65.3	69.4	69.9	69.9	69.9	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	45.7	46.2	50.9	59.5	70.5	72.3	76.3	77.5	77.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	45.7	46.2	50.9	59.5	71.7	73.4	77.5	80.4	80.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	46.2	46.7	51.5	60.1	72.3	74.0	78.0	80.9	80.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	46.2	47.4	52.0	61.3	73.4	75.1	79.2	82.1	82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	46.2	47.4	52.0	61.3	73.4	75.1	79.2	82.1	82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	46.2	47.4	52.0	61.3	74.6	76.9	81.5	85.0	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	46.2	47.4	53.2	62.4	76.3	78.6	83.2	87.3	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	46.2	47.4	53.2	62.4	76.9	81.5	86.1	90.2	90.8	93.1	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	46.2	47.4	53.2	62.4	76.9	81.5	86.1	90.2	90.8	93.1	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	46.2	47.4	53.2	62.4	76.9	82.1	86.7	90.8	91.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	46.2	47.4	53.2	62.4	76.9	82.1	86.7	90.8	91.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	46.2	47.4	53.2	62.4	77.5	82.7	87.3	91.9	93.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	46.2	48.0	53.8	63.0	78.0	83.2	87.9	92.5	94.2	97.7	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	46.2	48.6	54.3	63.6	78.6	83.8	88.4	93.1	94.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	46.2	48.6	54.3	63.6	78.6	83.8	88.4	93.1	94.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	46.2	48.6	54.3	63.6	78.6	83.8	88.4	93.1	94.8	98.3	98.8	98.8	98.8	98.8	98.8	99.4
≥ 100	46.2	48.6	54.3	63.6	78.6	83.8	88.4	93.1	94.8	98.3	98.8	98.8	98.8	98.8	98.8	100.0
≥ 0	46.2	48.6	54.3	63.6	78.6	83.8	88.4	93.1	94.8	98.3	98.8	98.8	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 173

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH JUN

HOURS (L S T) 06

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	3.0	4.0	5.7	7.1	8.5	10.3	10.6	10.6	11.0	11.0	11.0	11.0	11.0	11.3
≥ 20000	4.4	6.4	7.1	9.2	13.4	15.5	18.3	19.4	19.4	19.8	19.8	19.8	19.8	19.8	20.1
≥ 18000	4.4	6.4	7.1	9.2	13.4	15.5	18.3	19.4	19.4	19.8	19.8	19.8	19.8	19.8	20.1
≥ 16000	4.4	6.4	7.1	9.2	13.4	15.5	18.3	19.4	19.4	19.8	19.8	19.8	19.8	19.8	20.1
≥ 14000	4.4	7.0	8.8	11.0	15.6	18.4	20.5	21.9	21.9	22.3	22.3	22.3	22.3	22.3	22.6
≥ 12000	4.8	9.2	11.3	13.4	19.4	22.6	24.7	26.2	26.2	27.2	27.6	27.6	27.6	27.6	28.3
≥ 10000	5.3	10.6	13.8	15.9	23.0	26.9	29.7	32.2	32.5	33.9	34.6	34.6	34.6	34.6	35.3
≥ 9000	5.3	10.6	13.8	15.9	23.0	26.9	29.7	32.2	32.5	33.9	34.6	34.6	34.6	34.6	35.3
≥ 8000	12.0	12.7	16.6	19.7	26.5	30.4	33.2	36.0	36.4	38.2	38.9	38.9	38.9	38.9	39.6
≥ 7000	12.0	13.1	17.0	19.1	26.9	30.7	33.6	36.4	36.8	38.5	39.2	39.2	39.2	39.2	39.9
≥ 6000	13.0	14.9	19.7	21.9	28.6	32.5	35.3	38.2	38.5	40.3	41.0	41.0	41.0	41.0	41.7
≥ 5000	14.5	15.9	19.8	22.3	30.7	35.0	38.2	41.3	41.7	43.5	44.2	44.2	44.2	44.2	44.9
≥ 4500	15.6	17.0	21.2	23.7	32.5	37.1	42.1	45.6	45.9	47.7	48.8	48.8	48.8	48.8	49.5
≥ 4000	15.6	18.0	22.3	26.2	36.0	41.7	47.4	51.9	53.0	55.5	56.5	56.5	56.5	56.5	57.2
≥ 3500	17.4	20.9	25.1	30.0	41.7	47.0	53.4	59.4	60.4	63.6	64.7	64.7	64.7	64.7	65.4
≥ 3000	18.5	21.2	25.4	31.5	44.5	49.8	56.5	63.6	65.7	68.9	70.0	70.3	70.3	70.3	71.0
≥ 2500	18.9	21.2	25.4	31.8	45.6	50.9	58.0	65.7	67.8	71.0	72.4	72.8	72.8	72.8	73.5
≥ 2000	20.0	22.3	26.9	33.9	46.6	52.3	59.7	67.5	69.6	72.6	74.2	74.6	74.6	74.6	75.3
≥ 1800	20.4	22.6	27.2	33.2	47.7	53.4	60.8	68.9	71.0	74.2	75.6	76.0	76.0	76.0	76.7
≥ 1500	1.2	23.0	27.6	33.6	48.8	54.3	62.5	71.0	73.5	76.7	78.1	78.8	78.8	79.2	79.9
≥ 1200	1.2	23.0	27.6	33.6	49.1	56.2	64.7	73.9	77.0	80.6	82.7	83.4	83.4	83.8	84.5
≥ 1000	1.2	23.0	27.6	33.6	49.5	56.5	65.4	76.7	79.9	84.5	86.6	87.3	87.6	87.6	88.7
≥ 900	1.2	23.0	27.6	33.6	49.8	56.9	65.7	77.0	80.2	84.8	86.9	87.6	88.0	88.0	89.1
≥ 800	1.2	23.0	27.6	33.6	50.2	57.2	66.6	78.1	82.7	87.6	90.5	91.5	91.9	91.9	92.2	93.3
≥ 700	1.2	23.0	27.6	33.6	50.9	58.3	68.2	79.9	84.8	89.4	92.2	93.6	94.0	94.0	94.4	95.4
≥ 600	1.2	23.0	27.6	33.6	51.6	59.0	69.3	81.3	85.9	90.8	93.6	95.1	95.4	95.4	95.8	96.8
≥ 500	1.2	23.3	27.9	33.9	51.9	59.4	69.6	81.6	86.6	91.9	95.1	96.5	96.8	96.8	97.2	98.2
≥ 400	1.2	23.7	28.3	34.3	52.3	59.7	70.0	82.0	86.9	92.2	95.8	97.2	97.5	97.5	98.2	99.3
≥ 300	1.2	23.7	28.3	34.3	52.7	60.1	70.3	82.7	87.6	92.9	96.5	97.9	98.2	98.2	98.9	100.0
≥ 200	1.2	23.7	28.3	34.3	52.7	60.1	70.3	82.7	87.6	92.9	96.5	97.9	98.2	98.2	98.9	100.0
≥ 100	1.2	23.7	28.3	34.3	52.7	60.1	70.3	82.7	87.6	92.9	96.5	97.9	98.2	98.2	98.9	100.0
≥ 0	1.2	23.7	28.3	34.3	52.7	60.1	70.3	82.7	87.6	92.9	96.5	97.9	98.2	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 283

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME 72-82 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

09 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	9.6	9.7	1[illegible].1	1[illegible].2	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
≥ 20000	11[illegible]	13.5	15.1	16.2	21.2	22.7	22.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 18000	11[illegible]	13.5	15.1	16.2	21.2	22.7	22.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 16000	11[illegible]	13.5	15.1	16.2	21.2	22.7	22.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 14000	13.0	14.[illegible]	17.3	18.7	23.7	25.2	25.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 12000	1[illegible].6	17.3	20.1	22.3	28.8	31.3	31.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 10000	17.6	19.8	23.4	25.5	33.5	36.7	37.1	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 9000	17.6	19.[illegible]	23.4	25.9	34.2	37.4	37.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 8000	1[illegible].7	21.9	24.8	27.3	36.3	39.6	40.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 7000	1[illegible].1	21.2	25.2	27.7	36.7	39.9	41.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	[illegible].8	22.3	26.3	28.8	37.8	41.[illegible]	42.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 5000	[illegible].[illegible]	23.[illegible]	27.3	29.9	39.6	42.8	43.9	46.[illegible]	46.[illegible]	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 4500	1[illegible].[illegible]	24.5	29.3	31.7	41.4	45.[illegible]	46.0	48.6	48.6	48.6	48.9	48.9	48.9	48.9	48.9	48.9
≥ 4000	23.2	25.[illegible]	30.9	33.8	44.2	48.2	49.3	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2
≥ 3500	2[illegible].2	28.8	33.8	37.4	49.3	53.6	55.4	58.6	58.6	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	[illegible].3	30.2	35.3	38.9	52.9	57.6	60.1	64.0	64.4	65.1	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2500	[illegible].4	32.7	37.8	41.4	57.6	62.6	65.5	69.4	69.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2
≥ 2000	[illegible].[illegible]	34.2	39.2	42.[illegible]	59.7	64.8	68.4	72.3	73.0	74.1	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1800	[illegible].2	34.5	39.6	43.2	60.1	65.1	68.7	72.7	73.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	31.[illegible]	36.3	41.7	45.7	64.4	69.4	73.4	77.3	78.1	79.9	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1200	2.4	37.1	42.5	46.4	66.2	71.6	76.3	81.3	82.0	84.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	2.4	37.1	42.5	46.8	67.6	73.4	79.5	84.5	85.3	88.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 900	2.4	37.1	42.5	46.8	67.6	73.4	79.5	84.5	85.3	88.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800	3.1	37.8	43.2	47.5	70.1	76.6	83.1	88.1	89.6	93.2	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700	3.1	37.8	43.2	47.5	70.1	76.6	83.1	88.1	89.9	93.5	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	3.1	37.8	43.2	47.5	70.5	77.3	84.2	89.2	91.4	95.0	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.5	97.8	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.9	98.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.9	98.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.9	98.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.9	98.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.1	37.8	43.2	47.5	70.9	77.7	84.5	90.7	93.9	98.2	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 278

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	11.1	11.[illegible]	11.8	1[illegible].1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
≥ 20000	[illegible]	19.4	2[illegible].8	22.5	24.[illegible]	24.9	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 18000	[illegible]	19.7	21.[illegible]	23.2	25.6	25.6	26.1	26.[illegible]	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 16000	[illegible]	19.7	21.[illegible]	23.2	25.6	25.6	26.[illegible]	26.[illegible]	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 14000	[illegible]	21.6	23.2	24.[illegible]	28.[illegible]	28.4	28.[illegible]	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 12000	[illegible]	25.6	28.[illegible]	30.5	33.9	33.9	34.3	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000	[illegible]	27.[illegible]	30.[illegible]	33.9	37.7	37.7	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 9000	[illegible]	27.7	31.5	34.6	38.1	38.1	39.5	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 8000	[illegible]	29.[illegible]	33.[illegible]	37.7	43.3	43.3	43.6	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	[illegible]	30.1	34.3	38.1	43.9	44.3	44.6	44.6	45.[illegible]	45.[illegible]	45.[illegible]	45.[illegible]	45.[illegible]	45.[illegible]	45.[illegible]	45.[illegible]
≥ 6000	[illegible]	30.[illegible]	35.[illegible]	38.8	44.6	45.0	45.3	45.3	46.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]	46.[illegible]
≥ 5000	[illegible]	32.[illegible]	37.[illegible]	40.8	47.4	47.8	48.1	48.1	48.[illegible]	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 4500	[illegible]	33.2	37.4	41.2	49.1	49.5	49.8	49.8	50.[illegible]	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 4000	[illegible]	35.6	4[illegible].1	44.6	54.3	55.[illegible]	55.4	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	[illegible]	37.[illegible]	41.9	47.4	59.1	59.2	60.[illegible]	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3000	[illegible]	38.1	43.6	5[illegible].2	63.[illegible]	64.4	66.4	66.4	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2500	[illegible]	42.6	48.1	55.4	69.6	71.6	73.7	73.7	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	[illegible]	45.[illegible]	50.9	58.1	73.[illegible]	75.1	77.5	77.5	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1800	[illegible]	45.[illegible]	50.[illegible]	58.1	73.[illegible]	75.1	77.[illegible]	77.[illegible]	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1500	[illegible]	45.7	51.6	59.5	76.5	78.9	82.4	82.4	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	[illegible]	47.4	53.3	61.3	78.2	81.3	85.1	[illegible]5.8	87.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	[illegible]2.6	[illegible]8.1	54.0	61.9	79.6	[illegible]3.4	87.9	89.3	90.7	91.7	92.0	92.0	92.0	92.0	92.0	92.[illegible]
≥ 900	[illegible]2.6	[illegible]8.1	54.[illegible]	61.[illegible]	79.6	[illegible]3.7	88.2	89.6	91.0	92.0	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.3	[illegible]4.4	89.6	91.4	92.7	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	[illegible]5.5	[illegible]0.7	92.4	94.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	[illegible]5.8	91.0	93.1	95.2	97.6	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	80.6	[illegible]6.2	91.7	[illegible]4.1	96.2	99.0	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	86.2	91.7	94.5	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	86.2	91.7	94.5	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	86.2	91.7	94.5	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	[illegible]6.2	91.7	94.5	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	[illegible]2.6	[illegible]8.1	54.[illegible]	61.9	[illegible]0.6	[illegible]6.2	91.7	94.5	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ [illegible]89

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT JACKSONVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-[illegible] MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 15

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1 .4	13.4	15.1	15.1	15.8	15.8	15.9	15.8	15.9	15.8	15.8	15.8	15.8	15.8	15.8	15.8
≥ 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 291

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT [illegible]

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18 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]	11.[illegible]	[illegible]	12.[illegible]	13.9	13.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 20000	1.[illegible]	23.3	25.1	25.4	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 18000	1.[illegible]	23.3	25.1	25.4	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 16000	1.[illegible]	23.3	25.1	25.4	27.9	27.9	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 14000	[illegible]	[illegible].1	2[illegible].9	29.3	32.1	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 12000	7.[illegible]	[illegible].4	3[illegible]	33.1	35.9	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 10000	[illegible].1	34.[illegible]	37.6	39.3	41.[illegible]	41.9	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	[illegible].4	34.5	38.[illegible]	39.7	42.2	42.2	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	[illegible].5	35.[illegible]	41.5	42.9	48.1	48.1	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 7000	[illegible].6	39.[illegible]	42.5	43.9	49.1	49.1	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 6000	[illegible].9	40.4	43.3	45.3	[illegible].5	50.5	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 5000	[illegible].[illegible]	43.3	47.7	49.5	55.1	[illegible]5.1	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	[illegible].5	46.3	49.8	52.6	58.5	59.6	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000	[illegible].[illegible]	[illegible].[illegible]	54.7	58.2	65.5	66.9	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3500	[illegible].7	[illegible]1.2	56.[illegible]	[illegible]9.6	67.3	69.0	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	4.[illegible]	[illegible]3.3	57.8	62.0	71.4	[illegible]4.[illegible]	76.0	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	1.[illegible]	[illegible]5.4	6[illegible].[illegible]	64.5	73.9	77.[illegible]	78.4	79.1	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	2.[illegible]	56.5	61.3	66.6	76.[illegible]	79.4	81.2	82.2	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1800	2.[illegible]	56.5	61.3	66.6	76.[illegible]	79.4	81.2	82.2	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	4.[illegible]	57.5	62.4	67.9	78.1	81.9	84.[illegible]	85.[illegible]	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	4.4	57.8	62.7	68.3	79.1	82.9	85.0	86.4	86.8	87.1	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	5.1	58.5	63.8	69.3	81.5	86.1	88.9	90.6	91.3	92.[illegible]	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	5.1	58.[illegible]	63.8	69.3	81.5	86.4	89.2	90.9	91.6	92.3	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	5.1	58.5	63.8	69.3	81.5	86.4	89.2	92.0	93.4	94.4	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	5.1	58.9	64.1	69.7	81.9	87.1	90.2	93.0	94.4	95.8	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	5.1	58.5	64.1	69.7	81.9	87.1	90.2	93.0	94.4	96.2	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	5.1	58.9	64.1	69.7	81.9	87.1	90.6	93.7	95.1	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	5.1	58.5	64.1	69.7	82.2	87.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	5.1	58.5	64.1	69.7	82.2	87.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.1	58.5	64.1	69.7	82.2	87.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.1	58.9	64.1	69.7	82.2	87.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.1	58.9	64.1	69.7	82.2	87.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTHS | HOURS (G.M.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	≥ 0	≥ 0
NO CEILING	1 . 7	1 2 . 1	1 3 . 7	1 4 . 5	1 5 . 2	1 5 . 9	1 6 . 3	1 7 . 2	1 7 . 6	1 8 . 1	1 8 . 6	1 9 . 6	1 9 . 8	1 9 . 6	1 9 . 6	1 9 . 6
≥ 20000	.	. 7	2 .	2 . 2	2 4 . 2	2 4 . 2	2 4 . 2	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6
≥ 18000	.	1 . 7	2 .	2 . 2	2 4 . 2	2 4 . 2	2 4 . 2	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6
≥ 16000	.	1 . 7	2 . 5	2 . 5	2 4 . 2	2 4 . 2	2 4 . 2	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6	2 4 . 6
≥ 14000	.	1 . 7	2 1 .	2 2 . 2	2 2 . 2	2 2 . 2	2 2 . 2	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6	2 2 . 6
≥ 12000	.	1 2 . 5	1 3 . 4	1 4 . 2	1 4 . 9	1 5 . 7	1 6 . 1	1 7 . 0	1 7 . 3	1 7 . 8	1 8 . 3	1 8 . 7	1 8 . 9	1 8 . 7	1 8 . 7	1 8 . 7
≥ 10000	.	1 2 . 5	1 3 . 4	1 4 . 2	1 4 . 9	1 5 . 7	1 6 . 1	1 7 . 0	1 7 . 3	1 7 . 8	1 8 . 3	1 8 . 7	1 8 . 9	1 8 . 7	1 8 . 7	1 8 . 7
≥ 9000	.	1 2 . 5	1 3 . 4	1 4 . 2	1 4 . 9	1 5 . 7	1 6 . 1	1 7 . 0	1 7 . 3	1 7 . 8	1 8 . 3	1 8 . 7	1 8 . 9	1 8 . 7	1 8 . 7	1 8 . 7
≥ 8000	.	1 2 . 5	1 3 . 4	1 4 . 2	1 4 . 9	1 5 . 7	1 6 . 1	1 7 . 0	1 7 . 3	1 7 . 8	1 8 . 3	1 8 . 7	1 8 . 9	1 8 . 7	1 8 . 7	1 8 . 7
≥ 7000	. 4	1 2 . 9	1 3 . 8	1 4 . 7	1 5 . 2	1 5 . 9	1 6 . 3	1 7 . 2	1 7 . 6	1 8 . 1	1 8 . 6	1 9 . 0	1 9 . 2	1 9 . 0	1 9 . 0	1 9 . 0
≥ 6000	.	1 2 . 9	1 3 . 8	1 4 . 7	1 5 . 2	1 5 . 9	1 6 . 3	1 7 . 2	1 7 . 6	1 8 . 1	1 8 . 6	1 9 . 0	1 9 . 2	1 9 . 0	1 9 . 0	1 9 . 0
≥ 5000	.	2 . 1	1 4 . 0	1 5 . 0	1 5 . 6	1 6 . 4	1 7 . 1	1 7 . 8	1 8 . 1	1 8 . 5	1 9 . 0	1 9 . 4	1 9 . 6	1 9 . 4	1 9 . 4	1 9 . 4
≥ 4500	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 4000	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 3500	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 3000	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 2500	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 2000	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 1800	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 1500	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 1200	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 1000	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 900	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 800	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 700	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 600	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 500	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 400	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 300	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 200	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
≥ 100	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4
0	.	4 . 1	1 6 . 0	1 7 . 0	1 7 . 6	1 8 . 4	1 9 . 1	1 9 . 8	2 0 . 1	2 0 . 5	2 1 . 0	2 1 . 4	2 1 . 6	2 1 . 4	2 1 . 4	2 1 . 4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-77 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL 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]	11.4	12.4	13.1	14.4	14.7	15.1	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.3	15.4
≥ 20000	[illegible]	18.7	20.4	22.3	25.5	26.1	26.7	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.3
≥ 18000	[illegible]	18.9	20.6	22.4	25.6	26.3	26.9	27.1	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 16000	[illegible]	18.9	20.6	22.4	25.6	26.3	26.9	27.1	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 14000	[illegible]	20.3	22.4	24.3	27.8	28.6	29.2	29.6	29.7	29.8	29.8	29.9	29.8	29.8	29.8	29.9
≥ 12000	[illegible]	24.5	27.1	29.3	33.6	34.7	35.5	36.1	36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.5
≥ 10000	[illegible]	28.5	31.2	34.6	39.6	41.1	42.1	42.8	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.4
≥ 9000	[illegible]	29.2	32.2	35.4	40.6	42.0	43.0	43.8	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.4
≥ 8000	[illegible]	32.0	35.4	38.9	44.9	46.3	47.4	48.3	48.5	48.8	48.9	48.9	48.9	48.9	48.9	49.0
≥ 7000	[illegible]	32.5	36.3	39.4	45.5	47.0	48.1	49.0	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.7
≥ 6000	1.4	33.4	37.2	40.3	46.4	47.9	49.1	50.0	50.2	50.5	50.6	50.6	50.6	50.6	50.6	50.7
≥ 5000	3.3	35.5	39.5	42.9	49.6	51.2	52.4	53.4	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.1
≥ 4500	3.4	36.8	41.1	44.5	52.3	53.9	55.4	56.5	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.3
≥ 4000	3.7	39.3	44.2	48.5	57.3	59.4	61.2	62.7	63.0	63.5	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3500	4.1	41.7	46.3	51.2	61.0	63.6	65.8	67.7	68.1	68.7	68.9	68.9	68.9	68.9	68.9	69.0
≥ 3000	4.3	43.3	48.0	53.3	64.7	67.7	70.2	72.7	73.3	74.1	74.4	74.5	74.5	74.5	74.5	74.6
≥ 2500	4.6	45.1	50.1	55.6	67.7	70.8	73.6	76.2	76.9	77.8	78.1	78.1	78.1	78.1	78.1	78.2
≥ 2000	4.7	46.3	51.4	57.1	69.8	73.1	76.2	78.8	79.6	80.5	80.8	80.9	80.9	80.9	80.9	81.0
≥ 1800	4.8	46.4	51.5	57.2	70.0	73.4	76.5	79.2	80.1	80.9	81.2	81.3	81.3	81.3	81.3	81.4
≥ 1500	4.9	47.4	52.6	58.6	72.4	76.0	79.5	82.5	83.4	84.4	84.8	84.9	84.9	84.9	84.9	85.0
≥ 1200	4.9	47.8	53.2	59.2	73.0	77.8	81.6	85.0	86.1	87.4	88.1	88.2	88.2	88.2	88.2	88.3
≥ 1000	4.9	48.1	53.6	59.6	74.9	79.6	84.1	88.2	89.5	91.2	91.9	92.0	92.1	92.1	92.1	92.2
≥ 900	4.9	48.1	53.6	59.5	74.9	79.8	84.3	88.4	89.8	91.5	92.2	92.3	92.4	92.4	92.4	92.5
≥ 800	4.9	48.3	53.8	59.8	75.6	80.7	85.5	90.0	91.8	94.0	95.1	95.3	95.3	95.3	95.4	95.5
≥ 700	4.9	48.3	53.9	59.9	75.9	81.2	86.2	90.7	92.7	95.0	96.1	96.3	96.4	96.4	96.4	96.6
≥ 600	4.9	48.3	53.9	59.9	76.1	81.6	86.7	91.4	93.7	96.1	97.4	97.6	97.6	97.6	97.7	97.8
≥ 500	4.9	48.4	54.0	60.0	76.3	81.8	87.1	92.1	94.5	97.3	98.7	98.9	99.0	99.0	99.0	99.2
≥ 400	4.9	48.6	54.1	60.2	76.5	82.1	87.4	92.4	95.0	97.8	99.2	99.5	99.5	99.5	99.6	99.8
≥ 300	4.9	48.6	54.1	60.2	76.6	82.2	87.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	99.9
≥ 200	4.9	48.6	54.1	60.2	76.6	82.2	87.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	100.0
≥ 100	4.9	48.6	54.1	60.2	76.6	82.2	87.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	100.0
≥ 0	4.9	48.6	54.1	60.2	76.6	82.2	87.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2263

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 47-71 MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS 00 GMT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	.	.	21.4	23.2	23.7	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000	.	27.3	29.4	31.1	32.4	33.5	33.5	34.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	.	27.3	29.4	31.1	32.4	33.5	33.5	34.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 16000	.	27.3	29.4	31.1	32.4	33.5	33.5	34.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 14000	.	28.4	30.7	32.4	34.7	35.8	36.4	36.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	70.4	73.5	77.9	79.5	82.8	84.9	85.5	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 10000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 9000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 8000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 7000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 6000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 5000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4500	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3500	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 500	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 400	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 300	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 200	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 100	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 0	71.5	74.6	78.5	80.6	84.6	86.7	87.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS _____ 176

DIPSAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME 77-80 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

03 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.[illegible]	14.6	15.[illegible]	16.4	17.5	17.5	1[illegible].7	19.7	19.[illegible]	19.3	19.9	19.9	19.9	19.[illegible]	19.9	19.[illegible]
≥ 20000	[illegible].[illegible]	21.1	23.4	24.[illegible]	26.[illegible]	26.7	28.1	28.7	29.2	29.2	29.8	29.8	29.8	29.8	29.8	29.[illegible]
≥ 18000	[illegible].[illegible]	21.1	23.4	24.[illegible]	26.[illegible]	26.[illegible]	28.1	28.7	29.2	29.2	29.8	29.8	29.8	29.8	29.8	29.[illegible]
≥ 16000	[illegible].[illegible]	21.1	23.4	24.1	26.[illegible]	26.[illegible]	28.1	28.7	29.2	29.2	29.8	29.8	29.8	29.8	29.8	29.8
≥ 14000	[illegible].[illegible]	22.2	24.6	25.2	28.1	28.1	29.2	29.8	30.4	30.4	31.1	31.1	31.1	31.1	31.1	31.1
≥ 12000	[illegible].2	27.5	29.8	30.4	33.[illegible]	34.5	35.7	36.3	36.[illegible]	36.8	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	[illegible].4	32.[illegible]	35.7	36.[illegible]	41.5	42.1	43.3	43.[illegible]	45.[illegible]	45.[illegible]	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	[illegible].4	32.[illegible]	36.3	36.[illegible]	43.3	43.9	45.0	45.6	46.[illegible]	46.[illegible]	47.4	47.4	47.4	47.4	47.4	47.4
≥ 8000	[illegible].[illegible]	35.1	37.2	40.[illegible]	47.4	48.0	49.1	50.3	51.5	51.5	52.1	52.1	52.1	52.1	52.1	52.1
≥ 7000	[illegible].[illegible]	35.1	37.2	40.[illegible]	47.4	48.0	49.1	50.3	51.5	51.5	52.1	52.1	52.1	52.1	52.1	52.1
≥ 6000	[illegible].[illegible]	35.7	37.8	41.5	48.[illegible]	48.5	49.7	51.[illegible]	52.1	52.1	52.6	52.6	52.6	52.6	52.6	52.6
≥ 5000	[illegible].[illegible]	38.0	40.1	43.[illegible]	50.9	52.1	53.2	55.0	56.1	56.1	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4500	[illegible].4	39.[illegible]	41.[illegible]	46.5	56.7	58.5	59.7	62.0	63.2	63.7	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	[illegible].[illegible]	42.1	44.[illegible]	52.6	62.0	63.7	65.5	67.8	69.0	69.6	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	[illegible].[illegible]	43.[illegible]	46.1	54.4	63.7	65.5	67.3	69.6	70.8	71.4	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	42.[illegible]	45.[illegible]	51.[illegible]	56.7	67.3	69.[illegible]	71.4	73.7	74.9	75.4	76.0	76.0	76.0	76.0	76.0	76.[illegible]
≥ 2500	42.[illegible]	45.[illegible]	51.5	57.3	68.4	70.[illegible]	73.1	75.4	76.6	77.2	77.[illegible]	77.8	77.8	77.8	77.8	77.8
≥ 2000	42.[illegible]	45.[illegible]	51.5	57.3	70.2	72.5	75.4	77.8	78.[illegible]	80.[illegible]	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	42.[illegible]	45.[illegible]	51.5	57.3	70.2	72.5	75.4	77.8	78.[illegible]	80.[illegible]	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	[illegible].3	46.2	52.6	58.[illegible]	73.7	76.6	79.5	83.0	85.4	86.[illegible]	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	43.[illegible]	46.[illegible]	53.2	60.2	74.3	77.2	80.7	84.2	86.6	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	44.4	47.4	53.8	61.4	76.6	80.1	84.8	89.5	91.8	92.4	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	44.4	47.4	53.8	61.4	76.6	80.1	84.8	89.5	91.8	92.4	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	44.4	47.4	54.4	62.[illegible]	77.2	80.7	85.4	9[illegible].6	93.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	44.4	47.4	54.4	62.0	77.2	80.7	86.0	91.2	94.2	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	44.4	47.4	54.4	62.0	77.2	81.3	86.6	91.8	94.7	95.3	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500	44.4	47.4	54.4	62.0	77.2	81.3	87.1	92.4	95.3	95.9	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	44.4	47.4	54.4	62.0	77.2	81.3	87.1	92.4	95.3	96.5	97.1	97.1	97.7	97.7	97.7	97.7
≥ 300	44.4	47.4	54.4	62.0	77.2	81.3	87.1	92.4	95.3	96.5	97.1	97.7	98.8	100.0	100.0	100.0
≥ 200	44.4	47.4	54.4	62.0	77.2	81.3	87.1	92.4	95.3	96.5	97.1	97.7	98.8	100.0	100.0	100.0
≥ 100	44.4	47.4	54.4	62.[illegible]	77.2	81.3	87.1	92.4	95.3	96.5	97.1	97.7	98.8	100.0	100.0	100.0
≥ 0	44.4	47.4	54.4	62.[illegible]	77.2	81.3	87.1	92.4	95.3	96.5	97.1	97.7	98.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 171

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

USNAVOCEANMET — 5-60.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 70-72 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09 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	[illegible]	11.4	12.5	13.5	17.7	18.0	19.4	20.1	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 20000	[illegible]	18.1	20.3	21.8	27.3	28.0	30.1	30.8	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 18000	[illegible]	18.1	20.8	21.8	27.3	28.0	30.1	30.8	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 16000	[illegible]	18.1	20.8	21.8	27.3	28.0	30.1	30.8	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 14000	[illegible]	18.7	21.5	22.8	28.7	29.8	32.5	33.2	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 12000	[illegible]	20.4	23.5	24.9	32.5	33.6	36.7	37.4	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 10000	[illegible]	22.6	26.3	28.0	37.7	38.8	41.9	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	[illegible]	22.6	26.3	28.0	37.7	38.8	41.9	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	[illegible]	24.6	28.0	29.8	40.5	41.5	45.0	45.7	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 7000	[illegible]	24.6	28.0	29.8	40.5	41.5	45.0	45.7	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	[illegible]	24.6	28.0	29.8	41.5	42.6	46.0	46.7	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 5000	[illegible]	26.3	29.8	31.5	43.9	45.0	48.4	49.1	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 4500	[illegible]	27.0	30.5	32.2	45.1	46.3	50.2	50.9	50.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4000	[illegible]	27.7	31.1	33.6	47.1	48.1	52.0	53.6	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3500	[illegible]	28.7	32.2	35.0	49.1	50.9	55.7	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	[illegible]	29.5	33.6	36.7	52.3	54.7	60.6	62.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 2500	[illegible]	30.2	35.0	38.1	55.0	58.1	64.4	66.1	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2000	[illegible]	33.6	37.4	42.6	60.6	64.0	70.6	72.7	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1800	[illegible]	33.6	37.4	42.9	60.9	64.4	70.9	73.0	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1500	[illegible]	35.1	40.1	45.0	64.9	67.5	75.1	77.2	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	[illegible]	36.7	41.9	46.7	66.8	70.2	77.9	80.6	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	[illegible]	37.7	42.9	47.8	68.2	71.6	79.9	83.4	86.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	[illegible]	37.7	42.9	47.8	68.2	71.6	79.9	84.4	87.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 800	[illegible]	38.4	43.6	48.4	69.2	73.4	82.0	87.2	91.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	[illegible]	38.6	43.9	48.8	69.6	73.7	82.7	88.2	92.4	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	[illegible]	38.6	43.9	48.8	69.6	73.7	82.7	88.2	92.7	95.9	96.2	96.5	96.5	96.5	96.5	96.5
≥ 500	[illegible]	39.5	44.6	49.5	70.2	74.7	83.7	89.3	93.8	96.9	97.2	97.9	98.3	98.3	98.3	98.3
≥ 400	[illegible]	39.8	45.0	49.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	100.0	100.0	100.0	100.0
≥ 300	[illegible]	39.8	45.0	49.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	100.0	100.0	100.0	100.0
≥ 200	[illegible]	39.8	45.0	49.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	100.0	100.0	100.0	100.0
≥ 100	[illegible]	39.8	45.0	49.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	100.0	100.0	100.0	100.0
≥ 0	[illegible]	39.8	45.0	49.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 289

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	14.6	16.2	16.6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
≥ 20000	[illegible]	23.1	25.2	25.6	30.1	30.1	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 18000	[illegible]	23.1	25.2	25.6	30.1	30.1	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000	1.1	23.5	25.7	26.4	30.4	30.4	30.4	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 14000	1.3	24.7	27.0	28.0	32.4	32.4	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 12000	1.1	25.3	27.4	29.4	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 10000	1.7	29.4	32.4	33.8	40.5	40.5	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 9000	1.4	30.1	33.1	34.5	41.5	41.6	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	1.1	31.4	34.5	36.2	43.2	43.6	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 7000	1.1	31.7	34.8	36.5	43.6	43.9	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 6000	1.4	32.1	35.1	36.8	43.9	44.3	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 5000	1.1	33.1	36.2	37.8	45.3	45.6	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4500	1.1	34.1	37.2	39.2	47.6	48.0	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4000	1.7	35.8	38.9	41.2	50.3	51.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3500	1.1	37.5	40.5	43.2	54.1	54.7	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 3000	1.7	39.4	43.1	46.6	60.1	61.2	62.5	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 2500	1.7	42.6	47.3	51.0	65.9	67.2	69.3	69.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2000	2.3	46.6	52.4	57.1	74.7	76.4	78.7	79.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	2.2	46.6	52.4	57.1	74.7	76.4	78.7	79.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	2.6	48.3	54.4	59.1	78.0	79.7	82.8	83.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	44.7	49.7	55.7	60.5	80.7	82.4	85.8	87.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	45.6	50.3	56.4	61.2	82.4	84.5	88.5	90.5	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	46.0	50.7	56.9	61.5	83.2	84.8	88.9	90.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	46.0	50.7	56.8	61.5	83.1	85.1	89.5	92.6	95.3	96.3	97.0	97.0	97.3	97.3	97.3	97.3
≥ 700	46.3	51.3	57.1	61.3	83.5	85.8	90.5	93.6	96.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3
≥ 600	46.3	51.3	57.1	61.8	83.5	85.8	90.5	93.6	96.3	97.6	98.7	98.7	99.0	99.0	99.0	99.0
≥ 500	46.3	51.4	57.1	61.8	83.5	86.2	90.9	94.3	97.0	98.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400	46.3	51.3	57.1	61.8	83.5	86.2	90.9	94.3	97.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300	46.3	51.3	57.1	61.8	83.5	86.2	90.9	94.3	97.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	46.3	51.3	57.1	61.8	83.5	86.2	90.9	94.3	97.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	46.3	51.3	57.1	61.8	83.5	86.2	90.9	94.3	97.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0
0	46.3	51.3	57.1	61.8	83.5	86.2	90.9	94.3	97.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 296

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

[illegible], JAPAN — STATION / STATION NAME

73-42 — YEARS

JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	[illegible]	[illegible]	27.3	23.2	25.6	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 20000	[illegible]	[illegible]	35.5	37.5	41.[illegible]	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	[illegible]	[illegible]	35.5	37.5	41.[illegible]	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	[illegible]	[illegible]	35.5	37.5	41.[illegible]	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	[illegible]	[illegible]	36.9	39.3	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000	[illegible]	[illegible]	42.3	45.7	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 10000	[illegible]	[illegible]	44.0	47.4	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000	[illegible]	[illegible]	44.7	48.1	51.9	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.2	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.9	68.6	68.9	69.3	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.3	72.4	72.7	73.0	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.1	76.5	76.8	77.1	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	79.9	81.9	82.6	82.9	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.6	82.6	83.3	83.6	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.6	87.4	88.4	89.1	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.7	88.7	[illegible]	91.1	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.0	89.4	[illegible]	92.2	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.7	90.1	91.8	93.2	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.3	90.8	92.5	94.9	95.6	96.3	96.3	96.3	96.3	96.3
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.2	93.9	96.9	97.6	98.3	98.3	98.3	98.6	98.6
≥ 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.2	93.9	96.9	97.6	98.6	98.6	98.6	99.0	99.0
≥ 500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.2	97.3	98.0	99.0	99.0	99.0	99.3	99.3
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.2	97.3	98.0	99.0	99.0	99.3	99.7	99.7
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.5	97.6	98.3	99.3	99.3	99.7	100.0	100.0
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.5	97.6	98.3	99.3	99.3	99.7	100.0	100.0
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.5	97.6	98.3	99.3	99.3	99.7	100.0	100.0
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.4	92.5	94.5	97.6	98.3	99.3	99.3	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 293

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] YEARS JUL 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	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	[illegible]	21.1	22.7	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4	[illegible]	25.4	25.4	25.4
≥ 20000	[illegible]	29.1	29.8	31.8	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000	[illegible]	29.1	29.8	31.8	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	[illegible]	29.1	29.8	31.8	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	[illegible]	30.4	31.1	33.1	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	[illegible]	33.4	34.1	36.0	42.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 10000	[illegible]	36.1	37.8	40.5	47.2	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 9000	[illegible]	37.5	39.5	41.5	48.5	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 8000	[illegible]	39.5	40.5	42.8	51.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	[illegible]	39.5	41.5	43.8	51.2	52.5	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	[illegible]	40.5	42.1	45.6	53.7	54.5	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000	[illegible]	42.1	43.5	47.5	55.5	56.9	57.2	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500	[illegible]	43.8	45.2	49.2	57.5	60.2	60.9	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	[illegible]	45.2	46.5	50.8	60.2	[illegible]	62.5	63.9	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3500	[illegible]	46.5	47.8	52.2	61.9	[illegible]	65.2	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3000	[illegible]	[illegible]	[illegible]	56.5	66.6	68.9	70.6	72.2	73.2	73.9	73.9	74.3	74.3	74.3	74.3	74.3
≥ 2500	[illegible]	53.2	55.5	62.2	73.2	73.2	74.9	76.6	77.9	78.9	78.9	79.3	79.3	79.3	79.3	79.3
≥ 2000	[illegible]	56.2	58.5	63.2	74.6	77.9	79.6	81.3	82.6	83.6	84.0	84.3	84.3	84.3	84.3	84.3
≥ 1800	[illegible]	56.5	58.9	63.6	74.9	78.3	79.9	81.6	82.9	84.0	84.3	84.6	84.6	84.6	84.6	84.6
≥ 1500	[illegible]	58.9	61.5	66.6	77.9	81.3	82.9	84.6	86.0	87.0	87.3	87.6	87.6	87.6	87.6	87.6
≥ 1200	[illegible]	[illegible]	61.9	66.9	78.9	82.6	84.6	86.3	87.6	89.0	89.3	89.6	89.6	89.6	89.6	89.6
≥ 1000	[illegible]	59.5	62.2	67.2	79.9	84.3	86.3	88.6	90.3	92.0	92.6	93.0	93.0	93.0	93.0	93.0
≥ 900	[illegible]	59.5	62.2	67.2	79.9	84.3	86.3	88.6	90.3	92.0	93.0	93.3	93.3	93.3	93.3	93.3
≥ 800	[illegible]	60.2	62.9	67.9	80.6	85.0	87.0	89.3	91.3	93.3	94.7	95.7	95.7	95.7	95.7	95.7
≥ 700	[illegible]	60.2	63.6	68.6	81.3	85.6	87.6	90.0	92.0	94.0	95.3	96.3	96.3	96.3	96.7	96.7
≥ 600	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	92.3	94.3	95.7	96.7	96.7	96.7	97.0	97.3
≥ 500	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.0	95.0	97.0	98.3	98.3	98.3	98.7	98.7
≥ 400	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.0	95.7	97.7	99.0	99.0	99.0	99.3	99.3
≥ 300	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.3	96.0	98.0	99.3	99.3	99.7	100.0	100.0
≥ 200	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.3	96.0	98.0	99.3	99.3	99.7	100.0	100.0
≥ 100	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.3	96.0	98.0	99.3	99.3	99.7	100.0	100.0
≥ 0	[illegible]	60.5	63.6	68.6	81.3	85.6	87.6	90.3	93.3	96.0	98.0	99.3	99.3	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 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	2.9	23.7	27.7	34.4	37.8	38.5	29.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	.1	7.5	31.5	31.2	34.5	35.6	36.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 18000	.1	8.2	30.5	31.2	34.5	35.6	36.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 16000	.1	7.5	30.5	31.2	34.5	35.6	36.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 14000	.2	31.2	31.2	31.5	35.3	36.3	37.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 12000	12.5	35.6	35.9	36.6	41.5	42.5	43.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	25.6	39.5	39.7	43.7	45.4	47.1	49.2	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000	25.6	39.5	39.7	43.7	45.4	47.1	49.2	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	27.7	40.7	42.0	43.4	45.5	50.9	52.9	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	27.7	42.0	43.4	44.8	49.8	52.2	54.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 6000	27.9	43.4	44.8	46.1	51.2	53.9	55.9	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 5000	28.1	44.4	45.6	47.5	52.0	55.9	58.0	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500	28.4	46.1	47.8	49.8	54.3	59.7	62.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	28.4	47.9	49.2	51.2	56.3	62.4	65.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3500	44.6	48.9	50.9	53.2	61.7	66.1	69.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	45.1	51.2	53.2	55.6	64.4	68.8	72.5	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	47.8	52.6	54.9	57.3	67.5	71.9	75.9	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	48.8	54.6	57.0	60.0	70.9	75.6	80.0	82.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	50.2	54.9	57.3	60.3	71.2	75.9	80.3	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	50.5	55.3	58.3	61.4	72.5	77.3	82.0	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	50.5	55.6	58.6	61.7	73.2	78.0	82.7	85.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	1.2	55.9	59.0	62.4	74.6	80.3	85.8	89.2	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	1.2	55.9	59.0	62.4	74.9	81.7	86.1	89.8	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	1.2	55.9	59.0	62.7	75.6	81.4	87.1	90.9	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700	1.2	55.9	59.3	62.7	76.3	82.4	88.1	91.9	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	1.2	55.9	59.3	63.1	76.3	82.4	88.1	92.2	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	1.2	55.9	59.3	63.1	77.0	83.1	88.8	93.2	97.0	97.3	98.0	98.3	98.3	98.3	98.3	98.3
≥ 400	1.2	55.9	59.3	63.1	77.0	83.1	89.5	93.9	97.6	98.0	99.0	99.3	99.3	99.7	99.7	99.7
≥ 300	1.5	56.3	59.7	63.4	77.3	83.4	89.8	94.2	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 200	1.5	56.3	59.7	63.4	77.3	83.4	89.8	94.2	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 100	1.5	56.3	59.7	63.4	77.3	83.4	89.8	94.2	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 0	1.5	56.3	59.7	63.4	77.3	83.4	89.8	94.2	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 295

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JUL

HOURS (L.S.T.) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	17.4	19.3	21.5	1.0	22.5	22.1	23.3	23.4	23.7	23.7	23.7	23.7	23.7	23.8
≥ 20000	[illegible]	[illegible]	27.2	27.1	31.3	31.3	32.7	33.6	33.9	34.2	34.4	34.5	34.5	34.5	34.5	34.6
≥ 18000	[illegible]	[illegible]	27.5	27.1	31.3	31.3	32.7	33.6	33.9	34.2	34.5	34.5	34.5	34.5	34.5	34.6
≥ 16000	[illegible]	[illegible]	27.5	27.1	31.3	31.3	32.7	33.6	34.0	34.3	34.5	34.6	34.6	34.6	34.6	34.7
≥ 14000	[illegible]	25.7	27.2	27.5	32.2	32.5	34.5	35.4	35.7	36.1	36.3	36.4	36.4	36.4	36.4	36.5
≥ 12000	[illegible]	[illegible]	3 .5	32.1	37.4	38.1	39.2	40.1	40.4	40.6	41.1	41.2	41.2	41.2	41.2	41.3
≥ 10000	[illegible]	31.4	34.0	35.8	42.1	43.1	44.3	45.3	45.8	46.2	46.5	46.6	46.6	46.6	46.6	46.7
≥ 9000	[illegible]	31.[illegible]	34.5	36.4	42.9	43.7	45.1	46.1	46.5	46.9	47.3	47.4	47.4	47.4	47.4	47.5
≥ 8000	[illegible]	33.[illegible]	34.6	[illegible]	45.[illegible]	47.1	48.6	49.7	50.2	50.6	51.0	51.1	51.1	51.1	51.1	51.2
≥ 7000	[illegible]	33.[illegible]	36.[illegible]	38.8	46.1	47.3	48.9	49.9	50.5	50.9	51.3	51.4	51.4	51.4	51.4	51.5
≥ 6000	[illegible]	34.5	37.5	[illegible]	47.0	48.3	49.8	51.0	51.5	52.0	52.3	52.4	52.4	52.4	52.4	52.5
≥ 5000	[illegible]	35.[illegible]	38.9	41.4	49.1	50.5	52.0	53.3	53.9	54.3	54.7	54.8	54.8	54.8	54.8	54.9
≥ 4500	[illegible]	37.2	[illegible]	43.3	51.[illegible]	53.7	55.4	56.9	57.5	58.0	58.4	58.5	58.5	58.5	58.5	58.6
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	54.6	56.6	58.3	[illegible]	61.2	61.3	62.3	62.4	62.4	62.4	62.4	62.5
≥ 3500	[illegible]	[illegible]	[illegible]	47.1	57.3	59.7	61.9	[illegible]	64.7	65.4	65.9	66.0	66.0	66.0	66.0	66.1
≥ 3000	[illegible]	42.1	[illegible]	[illegible]	60.8	[illegible]	66.3	68.5	69.7	[illegible]	71.0	71.2	71.2	71.2	71.2	71.3
≥ 2500	[illegible]	43.7	47.9	51.[illegible]	63.7	66.8	69.9	72.1	73.5	74.3	74.9	75.1	75.1	75.1	75.1	75.2
≥ 2000	[illegible]	[illegible]	[illegible]	[illegible]	68.2	71.6	75.2	77.6	79.2	[illegible]	[illegible]	81.3	81.[illegible]	81.[illegible]	81.[illegible]	81.1
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	68.5	71.9	75.5	77.9	79.5	80.4	81.0	81.3	81.3	81.3	81.3	81.4
≥ 1500	[illegible]	47.4	[illegible]	[illegible]	71.4	74.9	78.8	81.5	[illegible]	84.4	[illegible]	85.3	85.3	85.3	85.3	85.4
≥ 1200	[illegible]	48.0	52.7	[illegible]	72.6	76.3	[illegible]	83.5	85.5	86.6	87.3	87.5	87.6	87.6	87.6	87.7
≥ 1000	[illegible]	[illegible]	53.1	[illegible]	73.7	77.8	82.6	[illegible]	88.7	[illegible]	91.2	91.4	91.4	91.4	91.4	91.5
≥ 900	[illegible]	[illegible]	53.3	[illegible]	74.0	78.1	82.8	[illegible]	89.3	90.8	91.9	92.1	92.2	92.2	92.2	92.3
≥ 800	[illegible]	[illegible]	[illegible]	[illegible]	74.7	78.9	83.9	88.1	91.3	93.0	94.4	94.8	94.9	94.9	94.9	94.9
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	75.1	79.6	[illegible]	[illegible]	[illegible]	[illegible]	95.7	96.0	96.2	96.2	96.3	96.4
≥ 600	[illegible]	[illegible]	[illegible]	[illegible]	75.1	79.7	[illegible]	89.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 500	[illegible]	[illegible]	[illegible]	[illegible]	75.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	75.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	[illegible]	[illegible]	[illegible]	[illegible]	75.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	[illegible]	[illegible]	[illegible]	[illegible]	75.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	[illegible]	[illegible]	[illegible]	[illegible]	75.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 0	[illegible]	[illegible]	[illegible]	[illegible]	75.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 2115

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 77-[illegible] MONTH AUG

HOURS (LST) 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	≥ ¼	≥ 1/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	35.1	36.3	39.5	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	[illegible]	[illegible]
≥ 20000	[illegible]	33.3	36.3	37.4	41.5	42.7	42.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000	[illegible]	33.3	36.3	37.4	41.5	42.7	42.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	[illegible]	33.3	36.3	37.4	41.5	42.7	42.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	[illegible]	33.3	36.3	37.4	42.1	43.3	43.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 12000	[illegible]	[illegible]	43.1	44.4	48.5	49.7	49.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	[illegible]	43.9	47.3	50.3	57.3	59.1	60.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	[illegible]	44.4	47.5	50.9	57.9	59.7	60.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	[illegible]	46.1	50.1	53.0	63.2	64.9	66.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	[illegible]	[illegible]	53.2	56.1	64.3	66.1	67.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	[illegible]	48.5	53.2	56.1	64.3	66.7	68.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	[illegible]	48.5	54.4	57.3	65.5	67.8	69.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	[illegible]	49.1	55.1	58.1	67.3	70.2	71.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	[illegible]	49.7	56.7	59.7	67.8	70.8	72.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	[illegible]	52.1	59.1	62.0	71.4	74.9	77.2	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	[illegible]	52.6	59.7	63.7	73.1	76.6	79.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	[illegible]	[illegible]	60.8	64.9	75.4	79.0	81.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	[illegible]	53.6	61.4	[illegible]	77.2	80.7	83.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	[illegible]	53.6	61.4	[illegible]	77.2	80.7	83.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	[illegible]	53.6	61.4	66.1	78.4	81.9	84.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1200	[illegible]	54.4	63.2	67.8	81.3	85.4	88.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	[illegible]	54.4	63.2	67.8	81.3	85.4	88.9	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	[illegible]	54.4	63.2	67.8	81.3	85.4	88.9	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	[illegible]	55.0	63.7	69.0	82.5	86.6	90.6	94.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	[illegible]	55.0	63.7	69.6	83.0	87.1	91.2	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	[illegible]	55.6	64.3	70.2	83.6	88.3	92.4	95.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	[illegible]	55.6	64.3	70.2	84.2	88.9	93.0	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	[illegible]	55.6	64.3	71.2	84.2	88.9	93.0	96.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	[illegible]	55.6	64.3	71.2	84.8	89.5	93.6	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	55.6	64.3	71.2	84.8	89.5	93.6	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	55.6	64.3	71.2	84.8	89.5	93.6	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	55.6	64.3	71.2	84.8	89.5	93.6	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 171

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 47-66 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 03

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]	24.7	27.7	31.2	31.2	31.2	31.9	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000	[illegible]	25.3	27.7	31.2	34.7	34.7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 18000	[illegible]	25.3	27.7	31.2	34.7	34.7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 16000	[illegible]	25.3	27.7	31.2	34.7	34.7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 14000	[illegible]	25.3	27.7	31.2	34.7	34.7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	[illegible]	30.0	32.4	36.5	40.1	40.1	40.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 10000	1.2	32.4	35.9	40.0	45.9	45.9	47.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	1.2	33.5	36.5	40.6	46.5	46.5	48.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 8000	[illegible]	37.1	40.0	44.3	51.2	51.8	54.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	[illegible]	37.7	40.6	44.9	51.8	52.4	54.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	[illegible]	38.2	41.3	47.1	52.9	53.5	55.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	[illegible]	39.4	42.8	47.7	54.1	54.7	57.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 4500	[illegible]	40.0	43.4	48.2	55.3	55.9	58.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000	1.2	42.4	45.9	52.9	60.0	61.2	63.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500	1.2	43.5	46.5	53.5	61.2	62.9	65.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000	4.1	46.5	51.2	58.2	67.1	69.4	71.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	4.1	47.1	52.4	60.6	70.0	72.4	74.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	4.1	47.7	53.5	61.8	71.2	74.1	77.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	4.1	47.7	53.5	61.8	71.2	74.1	77.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	4.1	48.2	54.7	63.5	73.5	77.1	81.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200	4.1	48.2	54.7	64.1	74.7	78.2	82.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	4.7	50.0	56.5	67.1	78.2	81.8	85.9	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	4.7	50.0	56.5	67.1	78.2	81.8	85.9	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	[illegible]	50.6	57.1	67.7	78.8	83.5	88.2	94.7	94.7	95.3	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	4.7	50.6	57.1	67.7	79.4	84.1	88.8	95.3	95.3	95.9	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	[illegible]	50.6	57.1	68.2	80.0	84.7	89.4	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	[illegible]	50.6	57.1	68.2	80.6	85.3	90.0	96.5	97.1	97.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	4.7	50.6	57.1	68.2	80.6	85.3	90.0	96.5	97.1	97.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	4.7	50.6	57.1	68.2	81.2	85.9	90.6	97.1	97.7	98.2	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	4.7	50.6	57.1	68.2	81.2	85.9	90.6	97.1	97.7	98.2	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	4.7	50.6	57.1	68.2	81.2	85.9	90.6	97.1	97.7	98.2	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	4.7	50.6	57.1	68.2	81.2	85.9	90.6	97.1	97.7	98.2	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 170

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-77 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

06 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING	•	1[illegible].1	1[illegible].3	14.7	[illegible].1	22.2	24.6	25.9	27.1	2[illegible].0	29.4	29.7	29.7	29.7	29.7	29.7
≥ 20000	•	1[illegible].4	1[illegible].1	[illegible].1	[illegible].1	30.1	32.4	35.5	36.9	38.2	39.6	39.9	39.9	39.9	39.9	39.9
≥ 18000	•	1[illegible].4	1[illegible].1	[illegible].1	[illegible].1	30.1	32.4	35.5	36.9	38.2	39.6	39.9	39.9	39.9	39.9	39.9
≥ 16000	1[illegible].2	1[illegible].4	1[illegible].1	[illegible].1	[illegible].1	30.1	32.4	35.5	36.9	38.2	39.6	39.9	39.9	39.9	39.9	39.9
≥ 14000	1[illegible].4	1[illegible].7	1[illegible].7	20.8	29.4	31.7	34.5	37.5	38.9	41.3	42.1	42.3	42.3	42.3	42.3	42.3
≥ 12000	[illegible].3	19.5	21.8	24.2	35.2	37.9	40.6	44.4	45.7	47.4	49.2	49.5	49.5	49.5	49.5	49.5
≥ 10000	[illegible]	21.2	24.2	27.0	37.9	41.0	43.7	47.8	49.5	51.5	53.2	53.6	53.6	53.6	53.6	53.6
≥ 9000	[illegible]	21.2	24.2	27.0	37.9	41.3	44.0	48.1	49.8	51.9	53.6	53.9	53.9	53.9	53.9	53.9
≥ 8000	21.[illegible]	23.6	27.0	30.4	42.0	45.4	49.8	54.3	56.0	58.4	60.1	60.8	60.8	60.8	60.8	60.8
≥ 7000	21.[illegible]	23.[illegible]	27.3	3[illegible].7	42.3	45.7	50.2	55.0	56.7	59.3	60.8	61.4	61.4	61.4	61.4	61.4
≥ 6000	21.[illegible]	24.2	27.7	31.1	43.[illegible]	46.4	50.9	56.0	57.7	60.1	61.8	62.5	62.5	62.5	62.5	62.5
≥ 5000	22.[illegible]	24.[illegible]	28.3	32.1	44.4	48.8	53.2	58.4	60.4	62.8	64.5	65.2	65.2	65.2	65.2	65.2
≥ 4500	22.2	27.2	31.4	34.1	48.8	52.2	56.7	62.1	64.2	66.6	68.3	68.9	68.9	68.9	68.9	68.9
≥ 4000	•	28.0	31.4	35.2	51.9	55.3	60.1	65.5	68.3	70.7	72.4	73.0	73.0	73.0	73.0	73.0
≥ 3500	22.9	29.7	33.1	36.9	54.6	58.4	63.5	69.6	72.4	74.7	76.5	77.1	77.1	77.1	77.1	77.1
≥ 3000	[illegible].7	30.4	34.1	37.6	57.0	60.8	66.6	72.7	75.4	77.8	79.5	80.2	80.2	80.2	80.2	80.2
≥ 2500	•	30.7	34.5	38.9	57.3	61.1	67.2	73.4	76.5	78.8	80.6	81.2	81.2	81.2	81.2	81.2
≥ 2000	•	31.1	35.2	39.6	58.7	62.8	69.6	75.8	78.8	81.6	83.3	84.0	84.0	84.[illegible]	84.0	84.0
≥ 1800	•	31.1	35.2	39.6	58.7	62.8	69.6	75.8	78.8	81.6	83.3	84.0	84.0	84.0	84.0	84.0
≥ 1500	.4	32.4	37.2	41.6	61.4	65.9	73.4	79.9	82.9	86.0	88.1	88.7	88.7	88.7	88.7	88.7
≥ 1200	.4	32.4	37.9	43.[illegible]	64.5	68.9	77.1	83.6	87.0	90.1	92.5	93.2	93.2	93.2	93.2	93.2
≥ 1000	.7	32.8	38.6	43.7	65.2	69.6	79.2	85.[illegible]	88.4	92.2	94.9	95.6	95.6	95.6	95.6	95.6
≥ 900	.7	32.8	38.6	43.7	65.2	69.6	79.2	85.[illegible]	88.4	92.2	94.9	95.6	95.6	95.6	95.6	95.6
≥ 800	.7	33.1	39.[illegible]	44.4	65.9	70.7	79.2	86.0	89.8	93.9	96.6	97.3	97.3	97.3	97.3	97.3
≥ 700	.7	33.1	39.9	44.4	65.9	70.7	79.2	86.4	90.1	94.2	96.9	97.6	97.6	97.6	97.6	97.6
≥ 600	.7	33.1	39.9	44.7	66.6	71.3	79.9	87.0	90.8	94.9	97.6	98.3	98.3	98.3	98.3	98.3
≥ 500	.7	33.1	39.9	44.7	66.6	71.3	79.9	87.0	90.9	94.9	98.0	98.6	98.6	98.6	98.6	98.6
≥ 400	.[illegible]	33.[illegible]	39.6	45.4	67.2	72.0	80.6	87.7	91.5	95.6	98.6	99.3	99.3	99.3	99.3	99.3
≥ 300	.[illegible]	33.[illegible]	39.6	45.4	67.6	72.4	80.9	88.1	92.2	96.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	.[illegible]	33.[illegible]	39.6	45.4	67.6	72.4	80.9	88.1	92.2	96.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	.[illegible]	33.[illegible]	39.6	45.4	67.6	72.4	80.9	88.1	92.2	96.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 0	.[illegible]	33.[illegible]	39.6	45.4	67.6	72.4	80.9	88.1	92.2	96.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2[illegible]3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ADDISLEE, VA

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH AUG

HOURS (L.S.T.) C

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	[illegible]	16.3	17.1	19.3	27.2	7.9	30.0	31.1	31.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000	[illegible]	23.5	26.7	27.6	36.0	36.8	39.2	40.6	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	[illegible]	23.7	24.1	27.9	36.8	37.5	39.9	41.3	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 16000	1.2	24.1	24.4	28.3	37.1	37.8	40.3	41.7	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 14000	1.2	25.1	26.2	30.0	39.6	40.6	43.1	44.5	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	1.2	27.2	28.6	32.5	42.9	44.2	47.1	48.4	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 10000	[illegible]	31.1	32.4	37.5	48.1	49.5	52.3	54.1	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	[illegible]	31.5	33.2	37.9	48.4	49.8	52.7	54.4	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 8000	[illegible]	33.4	35.7	40.5	51.9	53.7	56.5	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000	[illegible]	33.6	35.7	41.6	51.9	53.7	56.5	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 6000	[illegible]	33.6	35.7	41.6	52.7	54.8	57.6	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	[illegible]	35.5	39.5	43.8	55.5	57.6	60.4	62.2	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	.4	36.3	39.2	44.2	57.2	59.7	62.5	65.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	[illegible]	36.4	39.6	45.6	58.7	61.1	64.0	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	1.[illegible]	37.5	40.6	46.6	60.1	62.9	66.1	68.9	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	2.[illegible]	38.9	42.1	48.1	61.5	64.7	68.2	71.0	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	3.[illegible]	40.3	43.8	50.2	64.3	67.5	71.4	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2000	[illegible]	42.4	46.6	53.0	68.6	72.8	77.0	79.9	80.2	80.6	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	[illegible]	42.4	46.6	53.0	68.6	72.8	77.0	79.9	80.2	80.6	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500	[illegible]	46.6	51.2	57.2	75.3	78.8	82.4	86.2	86.9	87.3	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200	[illegible]	47.7	52.3	59.4	77.7	81.3	86.6	89.8	90.5	91.2	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	[illegible]	48.4	53.[illegible]	60.1	79.5	83.2	89.1	92.6	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	[illegible]	48.4	53.0	60.1	79.5	83.2	89.1	92.6	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	[illegible]	48.8	53.7	61.1	80.9	84.5	90.8	94.4	95.1	95.8	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	[illegible]	49.1	54.1	61.5	81.3	84.8	91.5	95.1	95.8	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	[illegible]	49.5	54.4	61.8	81.6	85.5	92.2	95.8	96.5	97.2	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	[illegible]	[illegible]	55.4	63.3	83.0	86.9	93.6	97.2	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	[illegible]	51.9	55.9	63.3	83.0	86.9	93.6	97.2	97.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	50.9	55.8	63.3	83.0	86.9	93.6	97.2	97.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	50.9	55.8	63.3	83.0	86.9	93.6	97.2	97.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	50.9	55.8	63.3	83.0	86.9	93.6	97.2	97.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	50.9	55.8	63.3	83.0	86.9	93.6	97.2	97.9	98.9	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ [illegible]

DIRNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT ATHENS, GA

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-77 YEARS _____ APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 20000	[illegible]	[illegible]	31.4	34.[illegible]	[illegible]	39.3	40.[illegible]	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000	[illegible]	[illegible]	31.4	34.[illegible]	39.3	39.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000	[illegible]	[illegible]	31.4	34.[illegible]	39.3	39.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	[illegible]	32.0	33.7	36.3	41.6	41.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	[illegible]	35.2	37.0	39.6	45.2	45.2	46.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000	[illegible]	37.7	39.7	41.7	49.2	49.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 9000	[illegible]	37.2	39.3	41.2	49.8	50.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	[illegible]	[illegible]	41.3	44.2	53.1	53.5	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	[illegible]	39.3	41.6	44.[illegible]	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000	[illegible]	[illegible]	42.9	45.9	54.8	55.1	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	[illegible]	41.3	43.9	46.9	56.1	56.4	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	[illegible]	41.[illegible]	44.9	47.9	58.1	58.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	[illegible]	42.6	45.9	48.8	59.1	59.7	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	[illegible]	44.6	47.9	[illegible].8	61.1	61.7	63.[illegible]	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.[illegible]
≥ 3000	[illegible]	[illegible]	52.2	55.3	68.0	68.7	70.[illegible]	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	[illegible]	53.1	56.8	61.1	73.8	74.3	75.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	[illegible]	55.6	59.4	64.4	78.9	79.5	81.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	[illegible]	55.5	59.4	64.4	78.9	79.5	81.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500	[illegible]	59.1	63.7	69.7	85.5	86.8	88.8	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	[illegible]	[illegible].1	65.4	[illegible].3	87.8	89.4	91.[illegible]	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	4.1	6[illegible].7	66.[illegible]	71.0	98.8	90.4	92.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	4.1	60.7	65.0	71.0	98.8	90.4	92.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	4.5	61.1	66.7	71.6	89.4	91.1	93.4	95.7	96.[illegible]	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	[illegible]	61.4	67.0	72.0	90.4	92.1	94.4	96.7	97.[illegible]	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	[illegible]	61.4	67.[illegible]	72.0	90.4	92.1	94.7	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	[illegible]	61.7	67.3	72.3	90.9	92.4	95.4	97.7	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	5.1	62.1	67.7	72.6	91.4	93.1	96.0	98.4	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	5.1	62.1	67.7	72.6	91.4	93.1	96.0	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.1	62.1	67.7	72.6	91.4	93.1	96.0	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.1	62.1	67.7	72.6	91.4	93.1	96.0	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.1	62.1	67.7	72.6	91.4	93.1	96.0	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 303

DIHNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS AUG MONTH 15 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	1.7	24.4	25.4	[illegible]	32.9	32.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 20000	2.4	36.1	37.5	41.5	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000	[illegible]	36.5	37.8	41.8	45.5	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	[illegible]	36.5	37.8	41.8	45.5	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	[illegible]	39.5	41.0	44.8	48.9	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	[illegible]	40.6	42.5	46.5	51.2	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	[illegible]	44.5	46.8	50.8	55.9	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	[illegible]	44.6	47.2	51.2	56.2	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 8000	1.7	46.2	48.8	52.8	58.2	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	[illegible]	46.5	49.3	53.5	59.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	[illegible]	47.2	50.2	54.5	60.2	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 5000	[illegible]	48.5	51.5	56.2	62.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500	[illegible]	48.5	52.5	57.5	64.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	[illegible]	50.5	53.5	59.9	65.6	65.9	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 3500	[illegible]	51.2	54.2	60.5	66.2	66.6	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000	[illegible]	56.2	59.2	64.9	72.2	72.6	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2500	[illegible]	58.9	61.9	67.6	76.2	76.6	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	[illegible]	63.2	67.2	74.3	83.6	84.0	86.0	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	[illegible]	63.9	67.6	74.6	84.0	84.3	86.3	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	[illegible]	66.6	70.2	77.3	87.3	88.0	90.6	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	[illegible]	67.2	71.6	79.3	90.0	91.3	93.7	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	[illegible]	67.2	71.6	79.3	90.3	91.3	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	[illegible]	67.2	71.6	79.3	90.3	91.3	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	[illegible]	67.9	71.6	79.9	91.3	92.3	96.0	96.7	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	[illegible]	67.9	71.6	79.9	91.3	92.3	96.0	96.7	97.3	97.7	98.0	98.0	99.0	98.0	98.0	98.0
≥ 600	[illegible]	67.9	71.6	79.9	91.3	92.3	96.7	97.7	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	[illegible]	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible]	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible]	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	0.2	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	0.2	67.9	71.6	79.9	91.6	92.6	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

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	≥ 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

DIHNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.5	[illegible]	[illegible]	[illegible]	[illegible]	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 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]	62.3	69.2	75.3	88.1	93.5	95.6	97.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible] 992

DIPPAVOCEANMET 0805

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.1	21.1	27.1	29.2	29.5	30.1	30.9	31.4	31.6	31.7	31.9	32.1	32.1	32.3	32.3	32.3
≥ 20000	.1	26.9	30.2	33.7	34.0	39.8	40.7	41.7	41.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	.1	29.1	31.0	33.9	34.2	39.9	40.8	41.8	42.1	42.3	42.5	42.6	42.6	42.6	42.6	42.6
≥ 16000	.1	29.1	31.1	33.9	39.3	40.0	40.9	41.9	42.2	42.4	42.6	42.7	42.7	42.7	42.7	42.7
≥ 14000	.2	29.4	31.5	35.4	41.1	41.9	42.9	44.0	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	.2	33.4	35.8	39.1	45.4	46.4	47.5	48.7	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5
≥ 10000	.4	37.4	41.4	43.9	51.2	52.6	53.3	55.2	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.1
≥ 9000	.4	37.8	40.8	44.2	51.7	53.1	54.3	55.7	55.9	56.3	56.5	56.6	56.6	56.6	56.6	56.6
≥ 8000	.4	40.6	43.9	47.7	55.9	57.4	59.2	60.6	60.9	61.3	61.5	61.6	61.6	61.6	61.6	61.6
≥ 7000	.5	40.8	44.3	48.1	56.3	57.8	59.5	61.1	61.3	61.7	62.0	62.1	62.1	62.1	62.1	62.1
≥ 6000	.7	41.3	44.7	48.7	57.1	58.6	60.4	62.0	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0
≥ 5000	.9	42.3	46.0	50.1	59.1	60.7	62.6	64.1	64.5	64.9	65.1	65.2	65.2	65.2	65.2	65.2
≥ 4500	.9	43.2	47.1	51.5	61.0	62.9	64.7	66.5	66.9	67.2	67.5	67.6	67.6	67.6	67.6	67.6
≥ 4000	.9	44.5	48.4	53.0	63.1	65.0	67.1	69.1	69.5	69.9	70.2	70.3	70.3	70.3	70.3	70.3
≥ 3500	1.0	45.7	49.7	54.4	65.0	67.2	69.4	71.6	72.1	72.4	72.6	72.7	72.7	72.7	72.7	72.7
≥ 3000	1.1	48.2	52.6	57.6	68.9	71.3	73.8	76.1	76.5	76.9	77.1	77.2	77.2	77.2	77.2	77.2
≥ 2500	1.5	50.0	54.4	59.9	71.0	74.3	77.0	79.4	79.8	80.2	80.5	80.6	80.6	80.6	80.6	80.6
≥ 2000	1.2	51.3	56.6	62.4	75.6	78.2	81.3	83.7	84.2	84.7	85.0	85.1	85.1	85.1	85.1	85.1
≥ 1800	1.2	51.5	56.7	62.4	75.7	78.4	81.5	83.9	84.4	84.9	85.2	85.3	85.3	85.3	85.3	85.3
≥ 1500	1.2	53.5	58.9	64.8	78.9	82.1	85.5	88.1	88.9	89.5	89.8	89.9	89.9	89.9	89.9	89.9
≥ 1200	1.3	54.5	59.9	66.1	81.2	84.4	88.2	91.0	91.8	92.5	92.9	93.0	93.0	93.0	93.0	93.0
≥ 1000	1.4	55.0	60.5	66.9	82.4	85.6	89.7	92.7	93.6	94.5	94.9	95.1	95.1	95.1	95.1	95.1
≥ 900	1.4	55.0	60.5	66.9	82.4	85.6	89.7	92.7	93.6	94.5	94.9	95.1	95.1	95.1	95.1	95.1
≥ 800	1.3	55.7	61.9	67.7	83.3	86.7	90.9	94.0	95.1	96.0	96.6	96.7	96.7	96.7	96.7	96.7
≥ 700	1.3	55.4	61.1	67.8	83.6	87.0	91.4	94.5	95.6	96.5	97.1	97.3	97.3	97.3	97.3	97.3
≥ 600	1.1	55.5	61.2	68.1	84.0	87.5	92.0	95.2	96.6	97.5	98.2	98.3	98.3	98.3	98.3	98.3
≥ 500	1.3	55.7	61.4	68.3	84.4	87.9	92.6	95.9	97.4	98.4	99.1	99.2	99.3	99.3	99.3	99.3
≥ 400	0.4	55.9	61.5	68.5	84.6	88.1	92.8	96.1	97.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6
≥ 300	0.4	55.9	61.5	68.5	84.7	88.2	92.9	96.4	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0
≥ 200	0.4	55.9	61.5	68.5	84.7	88.2	92.9	96.4	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0
≥ 100	0.4	55.9	61.5	68.5	84.7	88.2	92.9	96.4	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0
≥ 0	0.4	55.9	61.5	68.5	84.7	88.2	92.9	96.4	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2108

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 57-61 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.	21.5	21.9	21.9	26.0	26.0	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 20000	4.3	25.4	26.0	26.0	30.2	30.2	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 18000	4.3	25.4	26.0	26.0	30.2	30.2	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 16000	4.3	25.4	26.0	26.0	30.2	30.2	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 14000	4.3	25.4	26.0	26.0	30.2	30.2	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 12000	1.4	32.5	34.0	34.0	40.2	40.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 10000	1.4	41.4	43.8	43.8	49.1	49.1	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000	1.4	42.6	45.0	45.0	50.3	50.3	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	4.3	46.3	49.7	49.7	55.6	55.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	4.3	46.3	49.7	49.7	55.6	55.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	4.6	47.3	50.3	50.3	56.2	56.8	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	4.6	48.5	51.5	51.5	57.4	58.6	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	4.7	51.3	55.0	55.0	62.7	63.9	65.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	5.3	55.6	61.0	62.1	71.0	72.2	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	4.4	56.2	62.1	63.9	74.6	75.7	76.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 3000	5.6	57.4	63.3	65.1	76.9	78.1	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	5.6	57.4	63.9	65.7	77.5	79.3	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	5.7	58.0	65.1	66.9	79.3	81.1	82.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	5.7	58.0	65.1	66.9	79.3	81.1	82.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	5.7	58.6	66.3	68.1	82.3	84.1	85.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	5.7	58.6	66.3	68.6	84.6	87.1	89.9	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	5.7	59.2	66.9	69.8	87.0	89.4	92.9	95.9	97.0	97.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	5.7	59.2	66.9	69.8	87.0	89.4	92.9	95.9	97.0	97.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	5.6	59.6	67.5	70.4	87.6	89.9	93.5	96.5	97.6	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	5.6	59.6	67.5	70.4	87.6	89.9	93.5	96.5	97.6	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.6	59.8	67.5	70.4	88.2	90.5	94.1	97.0	98.2	98.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 169

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 77-82 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03 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	.	21.	24.2	28.1	29.1	29.1	29.1	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	21.	23.	27.5	29.5	31.5	31.5	31.5	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 18000	1.	23.	27.5	29.5	31.5	31.5	31.5	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 16000	1.	23.	27.5	29.5	31.5	31.5	31.5	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 14000	1.	23.0	27.5	29.5	32.1	32.1	32.1	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 12000	1.7	26.5	31.9	33.9	38.	38.2	38.2	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000	1.7	37.	42.4	45.5	49.7	49.7	49.7	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000	1.7	38.8	44.2	47.3	51.5	51.5	51.5	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	1.7	42.4	47.9	52.1	56.4	56.4	56.4	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	41.	43.6	49.1	53.9	58.8	58.8	58.8	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	2.4	44.2	49.7	54.6	59.4	59.4	59.4	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	43.0	44.8	50.3	55.2	61.2	61.2	61.2	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	44.	45.7	52.1	57.6	64.9	64.9	64.9	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	.3	52.7	60.0	66.5	77.0	77.6	77.6	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	.7	52.7	60.0	66.5	77.0	77.6	77.6	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	2.1	55.2	63.1	71.5	81.2	81.8	82.4	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	2.1	56.2	64.2	73.3	83.7	84.2	84.9	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	3.3	56.4	65.5	74.6	85.5	86.7	87.3	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	3.3	56.4	65.5	74.6	85.5	86.7	87.3	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	3.3	56.4	65.5	74.6	86.1	88.5	89.1	90.9	91.5	91.5	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	3.3	56.4	65.5	75.2	87.3	90.3	90.9	92.7	93.9	93.9	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	3.3	56.4	65.5	75.2	87.3	90.3	90.9	93.9	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	3.3	56.4	65.5	75.2	87.3	90.3	90.9	93.9	95.8	95.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	3.3	56.4	66.1	75.8	88.5	91.5	92.1	95.2	97.0	97.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	3.3	56.4	66.1	75.8	88.5	91.5	92.1	95.2	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	100.0
≥ 100	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	100.0
≥ 0	3.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 165

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

06 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	0
NO CEILING	1?.?	14.7	1?.4	15.4	21.?	23.5	24.7	27.7	28.4	28.?	29.8	29.1	29.5	29.5	29.5	29.8
≥ 20000	.6.	16.2	2?.2	21.?	27.4	29.5	30.8	34.6	35.3	35.6	35.6	36.0	36.3	36.3	36.3	36.6
≥ 18000	16.	18.5	2 .2	21.6	27.4	29.5	30.8	34.6	35.3	35.6	35.6	36.0	36.3	36.3	36.3	36.6
≥ 16000	.6..	18.5	2 .2	21.6	27.4	29.5	30.8	34.6	35.3	35.6	35.6	36.0	3e.3	36.3	36.3	36.6
≥ 14000	17.1	18.8	20.6	21.9	28.4	30.5	31.9	35.6	36.6	37.0	37.0	37.3	37.7	37.7	37.7	38.0
≥ 12000	.?.	21..	22.6	2?..	32.5	34.6	36.3	40.4	41.4	41.?	41.8	42.1	42.5	42.5	42.5	42.8
≥ 10000	?1.	24.0	25.7	27.4	36.?	38.4	40.4	45.6	46.6	46.9	46.9	47.3	47.6	47.6	47.6	48.0
≥ 9000	.?.?	24.7	26.4	2?.1	36.6	39..	41.1	46.2	47.3	47.6	47.6	48..	48.3	48.3	48.3	48.6
≥ 8000	23.?	26.7	28.8	31.2	41.1	43..	45.9	51.4	52.4	52.7	52.7	53.1	53.4	53.4	53.4	53.8
≥ 7000	24.3	27.1	29.1	31.5	41.4	44.2	46.2	51.7	52.7	53.1	53.1	53.4	53.8	53.8	53.8	54.1
≥ 6000	24.?	27.7	29.8	32.2	42.1	45.2	47.3	52.7	53.8	54.1	54.1	54.5	54.8	54.8	54.8	55.1
≥ 5000	?..	?8.1	30.5	33..	43.8	46.9	49.0	54.8	55.8	56.2	56.2	56.5	56.9	56.9	56.9	57.2
≥ 4500	.?.1	?.1	33.2	37.3	48.?	51.0	53.4	60.3	62.0	62.3	62.3	62.7	63.0	63.0	63.0	63.4
≥ 4000	.?.5	33.6	37.3	43.2	54.8	57.9	61..	67.8	69.9	70.2	70.2	70.6	70.9	70.9	70.9	71.2
≥ 3500	.?.?	34.3	3 .?	44.2	56.2	59.3	63.4	7 .2	72.6	73.0	73.0	73.3	73.6	73.6	73.6	74.0
≥ 3000	33..	36.6	4 .8	47.6	60.6	64..	68.2	75.3	78.1	78.4	78.4	78.8	79.1	79.1	79.1	79.5
≥ 2500	34.?	38.4	42.5	49.3	62.7	66.1	7?.6	79.4	81.2	81.5	81.5	81.9	82.2	82.2	82.2	82.5
≥ 2000	35.?	39.7	43.9	51.0	65.1	68.5	73.?	80.8	83.6	83.9	83.9	84.3	84.6	84.6	84.6	84.9
≥ 1800	36.?	39.7	43.6	51.0	65.1	68.5	73.0	80.8	83.6	83.9	83.9	84.3	84.6	84.6	84.6	84.9
≥ 1500	..?.	40..	44.9	52.4	67.1	70.6	76.4	84.9	87.7	88.0	88.0	88.4	88.7	88.7	88.7	89.0
≥ 1200	3?.?	4..8	44.9	?2.4	67.5	70.9	77.1	86.0	89.8	90.1	90.1	90.8	91.1	91.1	91.1	91.4
≥ 1000	3..6	4..6	44.9	53.1	69.2	72.6	78.8	88.7	93.2	93.8	93.8	94.5	94.9	94.9	94.9	95.2
≥ 900	3..6	40.8	44.9	53.1	69.2	72.6	78.8	88.7	93.2	93.8	93.8	94.5	94.9	94.9	94.9	95.2
≥ 800	..?.	41.8	45.6	53.8	7?.6	74.3	80.8	91.1	95.9	97.6	97.6	98.3	98.6	98.6	98.6	99.0
≥ 700	3..?	41.8	45.6	54.1	7?.9	74.7	81.2	91.4	96.2	98.0	98.0	98.6	99.0	99.0	99.0	99.3
≥ 600	3..6	40.8	45.6	54.1	7?.9	74.7	81.5	91.8	96.6	98.3	98.3	99.0	99.3	99.3	99.3	99.7
≥ 500	3..?	40.8	45.6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0
≥ 400	3..6	40.8	45.6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0
≥ 300	3..6	40.8	45.6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0
≥ 200	3..5	40.8	45.6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0
≥ 100	3..5	40.8	45.6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0
≥ 0	3..6	40.8	45.6	54.1	7?.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 72-76 MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 09

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	21.2	24.2	25.6	30.1	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 20000	27.6	25.3	28.3	30.8	36.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	27.6	25.3	28.3	30.8	36.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	27.6	25.3	28.3	30.8	36.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	34.4	26.6	29.8	32.9	39.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 12000	34.4	30.4	35.1	39.5	46.7	47.8	48.4	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	41.1	32.5	37.0	41.9	50.2	51.9	52.6	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	41.5	32.9	37.4	42.2	50.5	52.3	52.9	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 8000	42.0	33.3	37.9	43.6	53.6	55.4	56.1	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	42.0	33.3	37.9	43.6	53.6	55.4	56.1	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	43.1	34.3	39.1	44.3	54.3	56.1	56.8	57.1	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 5000	45.2	36.3	42.2	48.1	59.5	61.3	61.9	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	48.2	37.4	43.3	49.1	61.6	63.5	64.1	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4000	49.7	40.5	47.4	53.6	66.4	68.5	69.6	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	51.7	40.8	47.8	54.7	68.5	70.6	71.6	72.7	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	57.7	42.2	49.5	56.4	70.9	73.0	74.1	75.4	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	58.1	42.6	50.2	57.1	72.3	74.4	75.8	77.5	78.2	78.6	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2000	58.3	43.9	52.3	59.2	75.1	77.9	79.6	81.3	82.0	82.4	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	58.3	43.9	52.3	59.2	75.1	77.9	79.6	81.3	82.0	82.4	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	58.3	43.9	52.3	59.2	76.8	79.9	82.0	83.7	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	58.3	43.9	52.3	59.2	78.9	82.4	84.8	87.2	88.2	88.6	88.9	89.3	89.3	89.3	89.3	89.3
≥ 1000	58.5	44.6	52.9	59.9	80.3	84.4	87.5	90.0	91.0	91.7	92.4	92.7	92.7	92.7	92.7	92.7
≥ 900	59.0	44.6	52.9	59.9	81.0	85.1	88.2	90.7	91.7	92.4	93.1	93.4	93.4	93.4	93.4	93.4
≥ 800	59.4	45.0	54.0	61.9	83.0	87.2	90.7	94.1	95.9	96.5	97.2	97.9	97.9	97.9	97.9	97.9
≥ 700	59.8	45.0	54.0	60.9	83.0	87.2	90.7	94.1	95.9	96.5	97.2	97.9	97.9	97.9	97.9	97.9
≥ 600	59.8	45.0	54.0	60.9	83.0	87.2	91.4	95.5	97.2	97.9	98.6	99.3	99.3	99.3	99.3	99.3
≥ 500	59.8	45.0	54.0	60.9	83.0	87.2	91.4	95.5	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7
≥ 400	59.8	45.0	54.0	60.9	83.0	87.2	91.4	95.5	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7
≥ 300	60.1	45.3	54.3	61.3	83.4	87.5	91.7	95.9	97.9	98.6	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	60.1	45.3	54.3	61.3	83.4	87.5	91.7	95.9	97.9	98.6	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	60.1	45.3	54.3	61.3	83.4	87.5	91.7	95.9	97.9	98.6	99.3	100.0	100.0	100.0	100.0	100.0
≥ 0	60.1	45.3	54.3	61.3	83.4	87.5	91.7	95.9	97.9	98.6	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 295

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ROOSEVELT NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 12

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.	22.5	23.5	24.2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	.7	31.3	32.7	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	.7	31.3	32.7	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000	.7	31.3	32.7	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	1.3	33.7	35.0	36.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 12000	3.0	37.1	38.5	40.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 10000	3.4	39.8	41.8	43.9	46.3	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 9000	3.7	40.5	42.5	44.6	46.9	47.3	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 8000	3.4	40.2	44.2	46.4	50.0	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	3.4	42.5	44.6	47.6	50.7	51.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	3.4	43.5	45.6	48.6	52.0	52.7	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	3.5	44.6	46.9	50.0	54.1	54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4500	3.1	46.6	48.3	53.1	57.1	58.2	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 4000	3.2	47.6	52.4	57.1	62.2	63.3	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	4.0	49.7	53.4	58.5	64.6	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	4.9	51.7	55.8	60.9	68.4	70.1	71.1	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2500	4.7	56.5	60.5	66.0	74.2	75.9	76.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	5.4	64.2	69.0	76.4	79.3	81.0	82.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1800	5.4	64.2	69.5	76.8	79.6	81.3	82.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	4.4	61.2	66.7	73.5	82.3	84.0	86.1	87.1	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	5.4	61.6	67.1	73.8	83.3	85.1	97.4	98.8	89.1	89.5	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	5.4	61.6	67.4	74.2	85.0	87.1	89.5	91.8	92.5	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	5.4	61.6	67.4	74.2	85.4	87.8	90.1	92.5	93.2	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	5.4	61.6	67.4	74.5	86.4	89.1	91.5	94.2	94.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	5.4	61.6	67.7	74.8	86.7	89.5	92.2	94.9	95.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	5.4	61.6	67.7	74.8	87.4	90.1	93.2	95.9	96.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	5.4	61.9	68.0	75.2	87.8	90.5	93.5	96.3	97.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	5.4	61.9	68.4	75.2	87.8	90.5	93.5	96.3	97.6	99.0	99.3	99.3	99.3	99.3	99.3	99.7
≥ 300	5.4	61.9	68.4	75.2	87.8	90.8	93.9	96.6	98.0	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 200	5.4	61.9	68.4	75.2	87.8	90.8	93.9	96.6	98.0	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 100	5.4	61.9	68.4	75.2	87.8	90.8	93.9	96.6	98.0	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0	5.4	61.9	68.0	75.2	87.8	90.8	93.9	96.6	98.0	99.3	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 294

DIRNAVOCEANMET SMOS

NAVAL WEATHER [illegible]

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 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	1.	23.	27.	27.3	2 .6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 20000	.4	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 18000	.1	31.	31.5	31.	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 16000	.1	31.	31.5	31.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000	1.	33.6	34.3	34.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 12000	7 .6	39.4	40.8	42.1	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	.1	45.2	46.9	48.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	.1	45.2	46.9	48.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	4.2	47.6	50.0	51.4	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 7000	4.5	48.	50.3	52.1	55.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	4 .6	49.	51.4	53.1	57.	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	4 .6	5 .2	52.4	54.5	6 .3	61.	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4500	47.6	51.4	54.5	56.9	63.7	64.4	64.4	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4000	4 .6	54.1	57.2	61.3	68.8	69.9	70.2	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	1.4	56.2	60.3	63.4	71.2	72.3	72.6	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	4.	59.9	64.4	67.8	76.7	78.4	79.5	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	5.	61.3	65.8	69.9	79.1	81.2	82.2	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	5.0	63.	68.2	72.3	82.2	84.3	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	5.2	63.	68.2	72.3	82.2	84.3	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	5 .2	64.	68.2	73.3	84.3	86.3	87.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	5.3	65.8	70.9	75.0	86.6	89.7	91.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	5.6	66.1	71.2	76.4	88.7	91.8	93.5	94.9	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	5.6	66.1	71.2	76.4	89.	92.1	93.8	95.2	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	5.6	66.1	71.2	76.4	89.4	92.5	94.9	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	5.6	66.1	71.2	76.4	89.7	92.8	95.2	96.6	97.6	98.3	98.3	98.6	98.6	98.6	98.6	98.6
≥ 600	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3
≥ 500	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3
≥ 400	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.0	99.0	99.3	99.7	99.7	99.7	99.7
≥ 300	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 200	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 100	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0
≥ 0	5.6	66.1	71.2	76.4	90.1	93.2	95.6	97.3	98.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ⅛	≥ 0
NO CEILING	.	2.1	27.4	24.7	25.3	26.3	26.3	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 20000	.1	27.4	29.9	31.6	32.1	32.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	.1	28.2	29.4	31.6	32.1	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000	.1	28.2	29.3	31.4	32.1	33.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	.1	30.8	33.1	34.7	36.4	37.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 12000	2.3	35.4	37.8	39.9	42.6	44.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	34.7	37.8	40.0	43.3	47.8	49.5	50.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000	.4	38.5	41.5	44.1	48.5	50.2	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 8000	36.1	39.9	43.1	46.1	50.3	52.6	54.3	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 7000	36.1	40.2	43.6	46.4	51.2	52.9	54.6	55.7	55.7	56.0	56.0	56.0	56.0	56.1	56.0	56.0
≥ 6000	37.1	40.6	44.0	46.7	51.6	53.3	55.0	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 5000	.2	43.3	46.7	49.4	56.1	58.1	59.8	61.5	62.7	62.3	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500	42.1	45.7	49.1	52.0	61.5	63.2	65.3	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	42.3	47.4	51.6	55.3	65.6	69.1	71.1	73.5	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3500	44.0	49.3	54.6	58.1	69.8	73.5	76.1	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	44.0	50.9	55.7	59.5	71.8	75.6	78.0	80.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	45.7	51.6	56.4	60.1	72.5	76.3	79.0	82.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	46.1	52.6	57.4	61.2	74.6	78.7	81.4	84.9	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	46.1	52.6	57.4	61.2	74.6	78.7	81.4	84.9	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1500	46.4	52.9	58.1	61.9	75.6	79.7	82.8	86.6	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	46.4	52.9	58.1	61.9	76.6	81.1	84.5	89.4	90.7	91.4	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	46.7	53.3	58.8	62.5	77.7	82.1	85.6	90.7	92.1	93.8	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	46.7	53.3	58.8	62.5	77.7	82.1	85.6	91.1	92.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	46.7	53.3	58.8	62.5	78.1	82.5	85.9	91.8	93.8	95.9	96.3	97.3	97.3	97.3	97.3	97.3
≥ 700	46.7	53.3	58.8	62.5	78.7	83.2	86.6	92.4	94.9	97.3	98.3	98.6	98.6	98.6	98.6	98.6
≥ 600	46.7	53.3	58.8	62.5	79.0	83.5	86.9	93.1	95.5	97.9	99.0	99.3	99.3	99.3	99.3	99.3
≥ 500	46.7	53.3	58.8	62.5	79.0	83.5	86.9	93.1	95.5	97.9	99.0	99.7	99.7	99.7	99.7	99.7
≥ 400	46.7	53.3	58.8	62.5	79.0	83.5	86.9	93.1	95.5	97.9	99.0	99.7	99.7	99.7	99.7	99.7
≥ 300	46.7	53.3	59.1	62.9	79.4	83.9	87.3	93.5	95.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	46.7	53.3	59.1	62.9	79.4	83.9	87.3	93.5	95.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	46.7	53.3	59.1	62.9	79.4	83.9	87.3	93.5	95.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 0	46.7	53.3	59.1	62.9	79.4	83.9	87.3	93.5	95.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 291

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL ACTIVITY NO.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 72-76 MONTH SEP

HOURS (L S T) 21

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	31.4	32.3	27.5	30.0	31.1	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 20000	.1	33.0	33.3	31.1	33.5	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	.1	33.0	33.3	31.1	33.5	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	.1	33.0	33.3	31.4	33.5	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	.1	33.0	33.4	32.4	35.7	36.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 12000	1.4	38.5	38.8	37.6	41.9	42.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	1.7	42.2	43.6	43.7	51.9	53.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	1.7	42.2	43.6	43.7	51.9	53.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 8000	2.0	46.3	47.8	47.4	53.0	54.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 7000	2.5	46.3	50.2	51.2	57.1	58.9	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000	2.6	47.4	51.0	52.6	58.5	60.3	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	2.8	48.4	52.5	53.7	59.6	61.7	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	4.6	52.2	54.7	56.1	62.0	64.1	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	4.7	53.1	56.1	57.8	64.8	66.9	68.6	69.1	69.1	69.1	69.1	69.1	69.0	69.0	69.0	69.0
≥ 3500	5.1	55.4	58.6	60.1	77.7	73.5	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	5.3	57.8	63.8	66.2	74.2	77.1	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500	6.7	59.6	65.5	68.6	77.4	80.1	82.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	8.1	62.9	68.2	69.3	78.8	81.9	84.0	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800	8.4	63.3	66.9	70.7	80.8	84.0	86.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	8.4	63.3	66.9	70.7	80.8	84.0	86.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1200	9.1	64.1	67.6	71.4	81.5	84.7	87.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	9.1	64.1	67.6	71.4	82.2	87.1	89.9	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	9.2	64.3	68.3	72.5	84.3	89.2	92.7	94.8	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	9.5	64.3	68.3	72.5	84.3	89.2	92.7	94.8	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	9.5	64.3	68.3	72.5	84.3	89.2	93.4	95.8	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	9.5	64.3	68.3	72.5	84.7	89.6	93.7	96.2	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	9.5	64.3	68.3	72.5	85.0	90.2	94.4	96.9	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	9.5	64.3	68.3	72.5	85.3	90.2	94.4	96.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	9.5	64.3	68.3	72.5	85.0	90.2	94.4	96.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	9.5	64.3	68.3	72.5	85.4	90.6	94.8	97.2	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.5	64.3	68.3	72.5	85.4	90.6	94.8	97.2	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	9.5	64.3	68.3	72.5	85.4	90.6	94.8	97.2	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 257

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

SEP

HOURS (L.S.T.)

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	0
NO CEILING	.7	21.1	22.0	23.7	26.2	26.3	27.2	27.7	27.9	27.9	27.9	28.0	28.0	28.1	28.1	28.1
≥ 20000	.8	26.4	28.0	29.4	32.4	33.0	33.6	34.2	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.5
≥ 18000	.8	26.7	28.2	29.6	32.6	33.3	33.9	34.4	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8
≥ 16000	.8	26.7	28.3	29.6	32.6	33.3	33.9	34.4	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8
≥ 14000	.8	29.1	29.9	31.6	34.8	35.6	36.1	36.7	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0
≥ 12000	.8	32.1	35.1	36.9	41.4	42.1	43.0	43.6	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.0
≥ 10000	.8	37.3	40.2	42.3	47.7	48.7	49.6	50.6	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0
≥ 9000	.8	38.1	42.9	45.0	49.4	49.5	50.3	51.3	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.8
≥ 8000	.8	40.2	43.5	46.0	52.1	53.4	54.4	55.5	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0
≥ 7000	.8	40.6	44.0	47.6	52.8	54.1	55.0	56.2	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 6000	.8	41.4	44.7	47.4	53.7	55.0	56.0	57.1	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.7
≥ 5000	.8	42.1	46.4	48.4	56.1	58.0	59.0	60.3	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9
≥ 4500	.8	44.6	48.5	52.1	59.9	61.6	62.7	64.4	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1
≥ 4000	.8	47.8	52.7	57.1	66.2	68.3	69.6	71.5	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3
≥ 3500	.8	49.1	54.3	58.9	68.7	70.8	72.4	74.3	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.3
≥ 3000	.8	51.1	56.5	61.4	72.3	74.6	76.3	78.4	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5
≥ 2500	.8	52.4	58.1	63.2	74.4	76.9	78.8	81.1	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.3
≥ 2000	.8	53.9	59.9	65.2	77.2	79.8	81.8	84.3	85.1	85.3	85.4	85.4	85.5	85.5	85.5	85.5
≥ 1800	.8	53.9	59.9	65.2	77.2	79.9	81.9	84.3	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.6
≥ 1500	.8	54.6	61.8	66.2	78.9	81.7	84.3	87.1	88.0	88.2	88.3	88.4	88.4	88.4	88.4	88.5
≥ 1200	.8	54.8	61.7	66.6	80.3	83.7	86.5	89.7	90.8	91.1	91.4	91.5	91.6	91.6	91.6	91.6
≥ 1000	.9	55.1	61.5	67.4	81.9	85.4	88.6	92.3	93.9	94.7	95.1	95.2	95.2	95.2	95.2	95.3
≥ 900	.9	55.1	61.5	67.4	82.1	85.6	88.8	92.6	94.2	95.1	95.4	95.5	95.6	95.6	95.6	95.6
≥ 800	.9	55.2	61.8	67.8	82.9	86.6	90.0	94.2	96.1	97.1	97.6	97.8	97.9	97.9	97.9	97.9
≥ 700	.9	55.2	61.9	67.9	83.2	86.9	90.4	94.5	96.5	97.6	98.1	98.4	98.4	98.4	98.4	98.5
≥ 600	.9	55.2	61.9	67.9	83.6	87.3	91.0	95.3	97.3	98.4	98.9	99.2	99.2	99.2	99.2	99.3
≥ 500	.9	55.3	62.0	68.0	83.6	87.3	91.0	95.3	97.5	98.7	99.1	99.5	99.5	99.5	99.5	99.6
≥ 400	.9	55.3	62.0	68.0	83.6	87.3	91.0	95.3	97.5	98.7	99.2	99.5	99.6	99.6	99.6	99.7
≥ 300	.9	55.3	62.1	68.1	83.7	87.5	91.2	95.5	97.7	98.9	99.4	99.8	99.9	99.9	99.9	100.0
≥ 200	.9	55.3	62.1	68.1	83.7	87.5	91.2	95.5	97.7	98.9	99.4	99.8	99.9	99.9	99.9	100.0
≥ 100	.9	55.3	62.1	68.1	83.7	87.5	91.2	95.5	97.7	98.9	99.4	99.8	99.9	99.9	99.9	100.0
≥ 0	100.0	55.3	62.1	68.1	83.7	87.5	91.2	95.5	97.7	98.9	99.4	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2079

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE TRAINING DETACHMENT

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 70-72 MONTH DEC

HOURS (LST) 03

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	[illegible]	27.4	[illegible]	29.1	29.9	30.3	31.4	31.4	31.4	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	.7	31.3	29.1	29.5	34.1	34.9	35.1	36.7	37.2	37.2	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000	.7	31.3	29.1	29.3	34.6	35.1	35.6	37.2	37.8	37.8	38.3	38.3	38.3	38.3	38.3	38.3
≥ 16000	.7	31.3	29.1	29.3	34.6	35.1	35.6	37.2	37.8	37.8	38.3	38.3	38.3	38.3	38.3	38.3
≥ 14000	1.0	32.3	29.1	29.3	35.6	36.2	36.7	38.3	38.8	38.9	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	1.4	35.1	32.4	33.5	38.8	39.4	39.9	42.1	42.6	42.6	43.1	43.1	43.1	43.1	43.1	43.1
≥ 10000	.7	31.7	33.8	42.0	48.5	50.5	51.1	53.7	54.3	54.3	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	.7	31.7	33.8	42.4	48.5	50.4	51.6	54.3	54.8	54.8	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	3.0	39.4	46.7	57.3	59.6	61.2	62.8	65.4	66.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	3.0	39.9	46.8	57.5	60.1	61.7	63.3	66.1	66.5	66.5	67.1	67.0	67.0	67.0	67.0	67.0
≥ 6000	3.0	39.9	46.8	57.5	60.1	61.7	63.3	66.1	66.5	66.5	67.1	67.0	67.0	67.0	67.0	67.0
≥ 5000	.7	41.5	47.9	57.1	62.2	64.4	66.1	68.6	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	2.4	43.6	50.0	59.3	64.9	67.1	68.5	71.8	72.9	72.9	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	3.1	46.3	53.2	62.3	70.2	72.4	74.5	77.7	78.7	79.3	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	3.7	47.7	54.7	64.1	72.9	76.1	77.7	81.4	82.5	83.0	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	4.2	48.4	55.9	65.2	74.5	78.2	80.3	84.6	85.6	86.2	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	44.7	48.9	56.4	65.7	75.1	78.7	81.4	85.6	87.2	87.8	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	45.2	49.5	56.9	66.2	75.5	79.3	81.9	86.2	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800	45.2	49.5	56.9	66.2	75.5	79.3	81.9	86.2	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	45.2	49.5	57.5	67.8	76.1	80.3	83.0	87.8	89.9	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	45.7	50.0	58.5	68.4	79.3	84.0	87.2	92.0	94.2	94.7	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	46.2	51.1	60.1	69.0	81.4	86.2	89.4	94.2	96.3	96.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	46.2	51.1	60.1	69.0	81.4	86.2	89.4	94.2	96.3	96.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	46.2	51.1	60.1	69.0	82.5	87.2	90.4	95.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	46.2	51.1	60.1	69.0	82.5	87.2	90.4	95.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	46.2	51.1	60.1	69.0	82.5	87.2	90.4	95.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	46.2	51.1	60.1	69.0	82.5	87.2	90.4	95.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	46.2	51.1	60.1	69.0	82.5	87.2	90.4	95.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	46.2	51.1	60.1	69.0	83.0	87.8	91.0	95.7	97.9	98.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	46.2	51.1	60.1	69.0	83.0	87.8	91.0	95.7	97.9	98.4	99.5	99.5	99.5	99.5	99.5	100.0
≥ 100	46.2	51.1	60.1	69.0	83.0	87.8	91.0	95.7	97.9	98.4	99.5	99.5	99.5	99.5	99.5	100.0
≥ 0	46.2	51.1	60.1	69.0	83.0	87.8	91.0	95.7	97.9	98.4	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 1 6

DIMSAVOCEANMET SMOS

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

TOTAL NUMBER OF OBSERVATIONS ____ 143

GPO VAVICEANMET SMOS

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						30.2	32.2	33.6	34.2	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 20000						33.9	35.9	37.3	38.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000						33.9	35.6	37.6	38.6	39.3	39.7	39.7	39.7	39.7	39.7	39.7
≥ 16000						33.9	35.6	37.6	38.6	39.3	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000						35.3	37.3	39.3	40.7	41.4	41.7	41.7	41.7	41.7	41.7	41.7
≥ 12000						37.1	39.3	41.4	42.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1
≥ 10000						41.4	43.7	46.1	48.1	49.9	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000						43.4	47.1	49.2	50.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2
≥ 8000						48.1	52.5	54.6	56.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000						48.1	52.5	54.9	57.1	58.0	58.3	58.3	58.3	58.3	58.3	58.3
≥ 6000						48.1	52.5	54.9	57.1	58.0	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000						51.5	55.9	58.3	60.7	61.4	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500						55.6	60.3	63.1	65.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000						63.4	68.5	71.9	74.2	75.3	75.6	75.6	75.6	75.9	75.9	75.9
≥ 3500						67.5	73.9	77.3	80.3	81.7	82.4	82.4	82.4	82.7	82.7	82.7
≥ 3000						71.2	77.3	80.7	84.1	85.6	86.4	86.4	86.4	86.8	86.8	86.8
≥ 2500						72.9	78.0	82.4	85.6	87.5	88.1	88.1	88.1	88.5	88.5	88.5
≥ 2000						73.6	79.7	83.4	86.8	88.5	89.5	89.5	89.5	89.8	89.8	89.8
≥ 1800						73.6	79.7	83.4	86.8	88.5	89.5	89.5	89.5	89.8	89.8	89.8
≥ 1500						73.9	80.0	84.2	88.1	90.9	91.9	91.9	91.9	92.2	92.2	92.2
≥ 1200						74.2	80.7	85.6	89.2	92.5	93.9	93.9	93.9	94.2	94.2	94.2
≥ 1000						75.6	82.4	86.5	91.9	95.3	96.6	96.6	96.6	97.0	97.0	97.0
≥ 900						75.6	82.4	86.5	91.9	95.3	96.6	96.6	96.6	97.0	97.0	97.0
≥ 800						76.3	83.1	89.2	92.9	96.3	97.6	97.6	97.6	98.0	98.0	98.0
≥ 700						76.3	83.4	89.5	93.3	96.6	98.3	98.3	98.3	98.6	98.6	98.6
≥ 600						76.3	83.4	89.5	93.3	96.6	99.3	98.6	98.6	99.0	99.0	99.0
≥ 500						76.3	83.4	89.8	93.6	97.3	99.7	99.3	99.3	99.7	99.7	99.7
≥ 400						76.3	83.4	89.8	93.9	97.6	99.3	99.7	99.7	100.0	100.0	100.0
≥ 300						76.3	83.4	89.8	93.9	97.6	99.3	99.7	99.7	100.0	100.0	100.0
≥ 200						76.3	83.4	89.8	93.9	97.6	99.3	99.7	99.7	100.0	100.0	100.0
≥ 100						76.3	83.4	89.8	93.9	97.6	99.3	99.7	99.7	100.0	100.0	100.0
≥ 0						76.3	83.4	89.8	93.9	97.6	99.3	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 3MOS

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 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 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 19

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		71.3	32.7	34.[illegible]	36.0	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	36.[illegible]	37.4	39.4	41.1	43.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	36.[illegible]	37.4	39.7	41.4	44.1	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	36.[illegible]	37.4	39.7	41.4	44.1	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	36.7	39.4	41.8	43.4	47.1	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	46.4	48.[illegible]	49.2	50.2	54.2	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	51.4	48.1	50.2	52.2	57.9	58.6	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	51.[illegible]	48.6	50.6	52.5	58.3	58.9	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	54.4	48.2	50.2	52.2	63.0	64.0	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 7000	54.4	48.2	50.2	52.2	63.0	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	54.4	48.2	50.2	52.2	63.3	64.3	65.0	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	54.[illegible]	51.2	53.6	56.9	66.3	67.7	69.[illegible]	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	46.[illegible]	52.2	57.6	61.3	69.4	69.7	71.4	72.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	47.5	52.2	59.9	63.[illegible]	73.1	74.4	76.4	77.1	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	[illegible].5	53.2	60.9	64.7	76.4	77.4	79.5	[illegible].1	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000	50.2	55.6	63.0	67.0	79.1	80.8	82.9	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	51.[illegible]	57.2	64.7	68.7	81.5	83.2	85.2	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2000	52.[illegible]	57.4	65.3	69.7	82.8	84.5	86.5	87.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	52.5	57.4	65.3	69.7	82.8	84.5	86.5	87.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	53.[illegible]	58.6	66.[illegible]	71.7	84.2	85.9	88.2	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1200	54.[illegible]	59.4	68.[illegible]	73.1	84.9	86.9	89.2	90.6	91.6	92.3	92.6	92.6	92.9	92.9	92.9	92.9
≥ 1000	55.5	59.9	66.3	71.[illegible]	85.5	87.9	91.3	93.3	94.3	96.0	96.3	96.3	96.6	96.6	96.6	96.6
≥ 900	55.[illegible]	59.9	66.3	71.[illegible]	85.5	87.9	91.3	93.3	94.6	96.3	96.6	96.6	97.0	97.0	97.0	97.0
≥ 800	55.5	59.9	66.3	71.4	86.2	88.6	91.9	94.3	95.6	97.6	98.3	98.3	99.0	99.0	99.0	99.0
≥ 700	55.5	59.9	66.3	71.4	86.2	88.6	91.9	94.3	95.6	97.6	98.3	98.3	99.0	99.0	99.0	99.0
≥ 600	55.[illegible]	59.9	66.3	71.4	86.2	88.6	91.9	94.3	95.6	97.6	98.3	98.3	99.0	99.0	99.0	99.0
≥ 500	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	98.3	99.0	99.0	99.7	99.7	99.7	99.7
≥ 400	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	96.3	99.0	99.0	100.0	100.0	100.0	100.0
≥ 300	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	98.3	99.0	99.0	100.0	100.0	100.0	100.0
≥ 200	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	98.3	99.0	99.0	100.0	100.0	100.0	100.0
≥ 100	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	98.3	99.0	99.0	100.0	100.0	100.0	100.0
≥ 0	55.5	59.9	66.3	71.4	86.2	88.6	92.3	94.6	96.0	98.3	99.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 297

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL ACTIVITY

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 15

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]	31.7	32.3	33.7	34.[illegible]	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.[illegible]
≥ 20000	[illegible]	36.7	39.1	39.5	41.5	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	[illegible]	36.7	39.1	39.5	41.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 16000	[illegible]	36.7	39.1	39.5	41.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	[illegible]	39.1	39.5	41.5	43.5	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 12000	[illegible]	41.[illegible]	42.2	43.2	45.6	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	[illegible]	43.[illegible]	46.9	49.3	53.4	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000	[illegible]	44.2	47.3	49.7	54.1	55.8	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	1.2	45.6	48.7	52.[illegible]	57.5	59.9	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	2.5	47.3	51.4	53.7	59.9	62.2	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	3.2	[illegible]	52.4	54.9	61.[illegible]	63.6	65.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	[illegible]	51.7	56.5	58.8	65.3	68.1	69.7	70.1	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	[illegible]	53.7	59.0	61.6	69.4	72.5	74.2	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	[illegible]	54.[illegible]	60.9	63.6	73.1	76.5	78.9	79.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500	[illegible]	56.[illegible]	62.[illegible]	66.0	76.2	79.6	82.3	83.0	84.[illegible]	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	2.4	58.[illegible]	65.3	66.7	78.9	82.3	85.4	86.1	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	2.4	59.9	66.7	70.4	81.3	84.7	88.1	88.8	89.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	3.7	61.[illegible]	67.[illegible]	70.8	82.0	86.1	89.5	90.1	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	3.7	61.2	67.[illegible]	71.[illegible]	82.[illegible]	86.1	89.5	90.1	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	4.4	63.[illegible]	67.7	71.4	83.7	87.8	91.5	92.5	93.5	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	4.4	63.[illegible]	67.7	71.4	83.7	87.8	91.9	92.9	94.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	4.4	63.[illegible]	67.7	71.4	84.[illegible]	88.1	92.5	94.2	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	4.4	63.9	67.7	71.4	84.0	88.1	92.5	94.2	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	[illegible]	64.2	68.0	71.6	84.4	88.4	92.9	94.9	96.6	98.[illegible]	98.3	98.3	98.3	98.3	98.3	98.6
≥ 700	[illegible]	[illegible].2	67.[illegible]	71.8	84.4	88.4	92.9	94.9	96.8	98.[illegible]	98.3	98.3	98.3	98.3	98.3	98.6
≥ 600	[illegible]	64.2	68.0	71.8	84.4	88.4	92.9	94.9	96.6	98.0	98.3	98.3	98.3	98.3	98.3	98.6
≥ 500	[illegible]	64.2	68.[illegible]	71.8	84.4	88.4	93.2	95.2	96.9	98.3	98.6	98.6	98.6	98.6	98.6	99.[illegible]
≥ 400	[illegible]	64.2	68.[illegible]	71.8	84.4	88.4	93.2	95.6	97.3	98.6	99.0	99.0	99.0	99.0	99.0	99.3
≥ 300	[illegible]	64.2	68.[illegible]	71.8	84.4	88.4	93.2	95.9	97.6	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 200	[illegible]	64.2	68.[illegible]	71.8	84.4	88.4	93.2	95.9	97.6	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 100	[illegible]	64.2	68.0	71.8	84.4	88.4	93.2	95.9	97.6	99.3	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0	[illegible]	64.2	68.[illegible]	71.8	84.4	88.4	93.2	95.9	97.6	99.3	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 294

DIRNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 16

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	[illegible]	25.[illegible]	2[illegible].7	30.1	31.1	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	[illegible]	[illegible]	27.4	30.7	34.5	36.2	37.8	38.5	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 18000	[illegible]	25.[illegible]	27.4	2[illegible].7	34.5	36.2	37.8	38.5	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000	[illegible]	25.[illegible]	27.4	2[illegible].7	34.5	36.2	37.8	38.5	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000	[illegible]	[illegible]	2[illegible].4	3[illegible].7	35.9	37.5	39.2	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 12000	[illegible]	28.4	31.4	34.1	40.5	42.6	44.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	[illegible].7	29.4	32.[illegible]	35.8	43.6	45.6	47.6	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	[illegible].7	30.4	33.[illegible]	36.8	44.6	47.0	49.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	[illegible].4	32.4	35.[illegible]	39.5	47.0	50.7	53.0	54.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 7000	[illegible].4	32.4	35.2	39.5	48.3	51.0	53.7	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	[illegible].7	32.8	36.8	4[illegible].5	49.3	52.0	54.7	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	[illegible].[illegible]	36.5	41.5	45.6	56.1	58.1	61.2	62.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	[illegible].5	38.5	43.6	48.[illegible]	57.8	61.2	64.9	67.2	69.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4000	[illegible].7	42.2	47.6	52.[illegible]	63.5	66.9	71.3	74.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	[illegible].2	44.3	49.7	54.1	67.6	72.3	77.4	80.7	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	[illegible].2	44.3	49.7	54.4	69.3	74.0	79.1	82.4	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	[illegible]	44.6	50.0	54.7	70.3	75.0	80.4	83.8	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	[illegible].1	46.0	51.7	56.6	73.3	78.4	83.8	87.5	89.9	90.5	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	[illegible].1	46.[illegible]	51.7	56.8	73.7	78.7	84.1	87.8	90.2	90.9	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	[illegible].1	46.3	52.[illegible]	57.1	74.7	79.7	85.1	89.9	92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	[illegible].1	46.3	52.[illegible]	57.1	75.[illegible]	80.1	85.5	91.2	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	[illegible].1	46.3	52.4	57.4	75.3	80.4	85.8	91.2	94.3	95.6	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	[illegible].1	46.3	52.4	57.4	75.3	80.4	86.2	91.6	94.6	96.[illegible]	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	[illegible].1	46.3	52.4	57.4	76.4	81.4	87.2	92.9	96.[illegible]	97.3	98.[illegible]	98.[illegible]	98.[illegible]	98.3	98.3	98.3
≥ 700	[illegible].1	46.3	52.4	57.4	76.4	81.4	87.5	93.2	96.3	97.6	98.3	98.3	98.3	98.7	98.7	98.7
≥ 600	[illegible].1	46.3	52.4	57.4	76.4	81.4	87.5	93.2	96.6	98.0	99.0	99.0	99.0	99.3	99.3	99.3
≥ 500	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 400	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 300	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	[illegible].1	46.3	52.4	57.4	76.4	81.8	88.2	93.9	97.3	98.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 276

DIRNAVOCEANMET SMOS

NAVAL WEATHER [illegible] ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 77-81 YEARS _____ OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	26.4	27.7	30.9	31.6	31.9	32.6	33.3	33.7	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	[illegible]	27.4	28.9	30.2	35.4	36.5	37.5	38.5	39.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000	[illegible]	27.4	28.9	30.2	35.4	36.5	37.5	38.5	39.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000	[illegible]	27.4	28.9	30.2	35.4	36.5	37.5	38.5	39.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 14000	[illegible]	27.8	30.2	30.6	35.8	36.8	37.9	38.9	39.9	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	[illegible]	31.3	34.5	35.1	41.3	42.4	43.4	44.8	45.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	[illegible]	37.5	40.3	41.7	48.6	50.4	51.4	52.9	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 9000	[illegible]	37.9	41.6	43.0	49.3	51.0	52.1	53.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	[illegible]	41.3	44.6	46.5	54.5	56.9	58.3	59.7	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	[illegible]	42.7	46.2	48.3	56.3	58.7	60.1	61.5	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	[illegible]	43.4	47.2	49.3	57.3	59.7	61.1	62.5	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 5000	[illegible]	45.5	49.7	51.7	60.4	63.2	64.6	66.0	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	[illegible]	48.3	52.4	54.5	63.5	66.7	68.1	70.1	71.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	[illegible]	51.4	55.9	58.3	68.3	71.9	74.3	76.7	78.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	[illegible]	52.[illegible]	57.6	60.4	72.2	75.7	78.5	80.9	82.6	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	[illegible]	53.1	58.0	61.1	74.0	78.1	81.3	84.7	86.8	87.9	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500	[illegible]	53.5	58.7	61.8	75.0	79.5	82.6	86.1	88.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	[illegible]	54.2	59.[illegible]	62.2	75.7	80.2	83.3	87.2	89.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	[illegible]	54.2	59.[illegible]	62.2	75.7	80.2	83.3	87.2	89.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500	1.0	55.6	61.4	63.9	78.8	83.3	86.5	90.3	92.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	1.4	56.3	61.1	64.6	81.3	86.1	89.6	93.8	96.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	1.4	56.3	61.1	64.6	81.3	86.1	89.6	93.8	96.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	1.4	56.3	61.1	64.6	81.3	86.1	89.6	93.8	96.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	1.4	56.3	61.1	64.6	81.3	86.1	89.6	93.8	96.5	97.9	98.3	98.6	98.6	98.6	98.6	98.6
≥ 700	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.3	99.7	99.7	99.7	99.7	99.7
≥ 600	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 500	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 400	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 300	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	1.4	56.3	61.1	64.6	81.3	86.8	90.6	94.8	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 248

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ADDRESS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 73-[illegible] YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.4	25.2	27.0	29.8	31.9	32.4	32.9	33.4	33.7	33.8	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	.4	28.4	30.6	32.9	37.1	38.1	38.6	39.6	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000	.4	28.8	30.6	33.0	37.2	38.2	39.0	39.8	40.4	40.6	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	.4	28.8	30.6	33.0	37.2	38.2	39.0	39.8	40.4	40.6	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	.4	29.1	31.0	34.1	38.6	39.6	40.4	41.2	41.8	42.1	42.2	42.2	42.2	42.2	42.2	42.2
≥ 12000	.4	32.1	35.3	39.1	43.4	44.6	45.7	46.7	47.4	47.6	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000	3.7	36.7	39.7	44.9	49.3	50.8	52.3	53.2	53.9	54.2	54.3	54.3	54.3	54.3	54.3	54.3
≥ 9000	3.8	36.9	40.2	45.5	50.0	51.5	52.8	54.0	54.7	55.0	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	.3	39.5	44.0	49.5	55.1	57.1	59.0	60.3	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	.4	40.4	44.7	49.3	56.0	58.2	60.0	61.4	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	3.3	41.0	45.8	51.1	57.0	59.1	61.1	62.5	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	3.4	43.3	48.1	53.8	60.2	62.3	64.9	66.5	67.5	67.8	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	4.1	45.5	50.4	56.5	63.6	66.2	68.6	70.5	71.5	72.1	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	4.3	48.0	53.6	59.8	69.6	71.5	74.5	76.7	78.0	78.6	78.9	78.9	78.9	79.0	79.0	79.0
≥ 3500	4.4	49.6	55.2	61.0	71.6	75.2	78.4	80.7	82.2	82.8	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	4.5	50.5	56.4	61.4	74.1	77.6	81.3	83.8	85.4	86.2	86.6	86.6	86.6	86.7	86.7	86.7
≥ 2500	4.6	51.2	57.4	62.4	75.5	79.2	83.0	85.6	87.3	88.1	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	5.1	51.9	58.0	63.2	76.7	80.6	84.5	87.2	88.9	89.7	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	5.1	51.9	58.0	63.2	76.7	80.7	84.5	87.2	88.9	89.8	90.2	90.2	90.2	90.3	90.3	90.3
≥ 1500	5.2	52.3	58.5	64.0	78.0	82.0	86.0	89.2	90.9	91.8	92.3	92.3	92.3	92.4	92.4	92.4
≥ 1200	47.6	52.6	58.9	64.4	79.1	83.3	87.4	90.8	92.6	93.9	94.5	94.5	94.5	94.6	94.6	94.6
≥ 1000	47.8	52.8	59.2	64.9	80.1	84.4	88.8	92.5	94.6	96.1	96.8	96.8	96.9	97.0	97.0	97.0
≥ 900	47.8	52.8	59.2	64.9	80.1	84.4	88.8	92.6	94.7	96.2	96.9	96.9	97.0	97.0	97.0	97.0
≥ 800	47.8	52.9	59.4	65.1	80.7	85.0	89.6	93.6	95.8	97.4	98.2	98.2	98.4	98.5	98.5	98.5
≥ 700	47.8	52.9	59.4	65.1	80.7	85.1	89.8	93.8	96.0	97.6	98.5	98.5	98.7	98.8	98.8	98.8
≥ 600	47.8	52.9	59.4	65.1	80.7	85.1	89.8	93.8	96.1	97.7	98.7	98.8	99.0	99.1	99.1	99.1
≥ 500	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.1	96.4	98.1	99.2	99.3	99.4	99.5	99.5	99.6
≥ 400	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.2	96.5	98.2	99.3	99.4	99.6	99.7	99.7	99.8
≥ 300	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.3	96.6	98.4	99.4	99.6	99.8	99.9	99.9	99.9
≥ 200	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.3	96.6	98.4	99.4	99.6	99.8	99.9	99.9	100.0
≥ 100	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.3	96.6	98.4	99.4	99.6	99.8	99.9	99.9	100.0
≥ 0	47.8	52.9	59.4	65.1	80.7	85.2	90.1	94.3	96.6	98.4	99.4	99.6	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2129

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

0 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	26.3	27.9	[illegible].2	31.4	33.0	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 20000	[illegible]	29.6	31.3	33.5	36.0	38.0	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 18000	[illegible]	29.6	31.3	33.5	36.0	38.0	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000	[illegible]	29.6	31.3	33.5	36.0	38.0	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 14000	[illegible]	30.7	32.4	35.2	38.6	39.7	39.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	[illegible]	33.0	34.6	37.4	41.0	42.5	43.0	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 10000	[illegible]	39.7	41.9	45.3	50.3	52.5	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	[illegible]	40.5	42.0	46.4	51.4	53.6	54.8	55.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	[illegible]	44.7	47.5	50.8	55.9	58.1	59.2	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	[illegible]	46.4	49.2	52.5	57.5	59.8	60.9	61.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	[illegible]	46.9	49.7	53.1	58.1	60.3	61.5	62.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 5000	[illegible]	52.5	55.3	59.2	64.3	67.0	66.7	69.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	[illegible]	55.3	58.7	63.1	69.7	71.5	73.2	74.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	[illegible]	59.4	62.6	67.6	74.9	78.8	81.6	83.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	[illegible]	60.9	65.4	70.4	77.2	82.1	85.5	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	[illegible]	60.9	65.4	70.4	77.3	83.2	86.6	89.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	[illegible]	0.7	65.4	71.0	79.9	83.8	87.2	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	[illegible]	62.0	66.5	72.1	81.0	84.9	88.3	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	[illegible]	62.0	67.0	72.1	81.0	84.9	88.3	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	[illegible]	62.6	67.6	72.6	82.1	86.0	89.4	92.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	[illegible]	62.6	67.6	73.2	83.2	87.2	91.1	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	[illegible]	62.6	67.6	73.7	84.4	88.3	93.3	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	[illegible]	62.6	67.6	73.7	84.4	88.3	93.3	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	[illegible]	62.6	67.6	73.7	84.4	88.3	93.3	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	[illegible]	62.6	67.6	73.7	84.4	88.3	93.3	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	[illegible]	62.6	67.6	73.7	84.9	88.9	93.9	96.7	98.3	98.3	98.3	98.3	98.3	98.9	98.9	98.9
≥ 400	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.3	98.3	98.3	98.3	98.9	98.9	98.9
≥ 300	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.9	98.9	98.9	98.9	99.4	99.4	99.4
≥ 200	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.9	98.9	98.9	98.9	99.4	99.4	100.0
≥ 100	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.9	98.9	98.9	98.9	99.4	99.4	100.0
≥ 0	[illegible]	62.6	67.6	73.7	84.9	88.8	93.9	96.7	98.3	98.9	98.9	98.9	98.9	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible] 179

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] 76- YEARS NOV MONTH

03 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	[illegible]	[illegible]	36.0	[illegible]	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	[illegible]	[illegible]	3 [illegible]	37.6	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 18000	[illegible]	[illegible]	[illegible]	37.6	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000	[illegible]	[illegible]	[illegible]	37.6	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000	[illegible]	[illegible]	[illegible]	37.6	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 12000	[illegible]	[illegible]	[illegible]	40.7	44.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000	[illegible]	41.8	4[illegible]	47.6	52.4	53.4	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	[illegible]	42.3	4[illegible]	48.2	52.9	54.0	55.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	[illegible]	49.2	52.9	55.6	60.3	61.4	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 7000	[illegible]	49.2	52.9	55.6	6[illegible].9	61.9	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	[illegible]	49.7	53.4	56.1	61.9	63.[illegible]	64.0	65.1	65.1	65.1	65.1	65.1	6[illegible].1	65.1	65.1	65.1
≥ 5000	[illegible]	52.9	57.1	59.8	65.6	66.7	67.7	68.8	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	[illegible]	57.7	61.9	64.6	72.0	73.5	74.6	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	[illegible]	60.3	65.1	69.3	78.8	81.[illegible]	82.5	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	[illegible]	61.4	66.1	70.7	80.4	82.5	84.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	[illegible]	61.9	67.2	72.0	82.5	84.7	86.8	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	[illegible]	63.[illegible]	68.3	73.0	83.6	85.7	87.8	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	[illegible]	63.[illegible]	68.3	73.[illegible]	83.6	85.7	87.8	90.5	91.0	91.0	91.0	91.0	91.0	91.[illegible]	91.0	91.0
≥ 1800	[illegible]	63.5	68.8	73.5	84.1	86.2	88.4	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	[illegible]	64.[illegible]	69.3	74.6	85.7	87.8	90.[illegible]	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	[illegible]	64.[illegible]	69.8	75.1	86.8	88.9	91.[illegible]	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	[illegible]	64.0	69.8	75.1	87.8	90.5	92.6	96.3	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4
≥ 900	[illegible]	64.0	69.8	75.1	87.8	90.5	92.6	96.3	97.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4
≥ 800	[illegible]	64.0	69.8	75.1	87.8	90.5	92.6	96.3	97.9	97.9	97.9	98.9	98.9	98.9	98.9	98.9
≥ 700	[illegible]	64.0	69.8	75.1	87.8	90.5	92.6	96.3	97.9	97.9	97.9	98.9	98.9	98.9	98.9	98.9
≥ 600	[illegible]	64.[illegible]	69.8	75.7	88.4	91.0	93.1	96.8	98.4	98.4	98.4	99.5	99.5	99.5	99.5	99.5
≥ 500	[illegible]	64.[illegible]	69.8	75.7	88.4	91.0	93.1	96.8	98.4	98.4	98.4	99.5	99.5	99.5	99.5	99.5
≥ 400	[illegible]	64.[illegible]	69.8	75.7	88.4	91.0	93.1	96.8	98.4	98.4	98.4	99.5	99.5	99.5	99.5	99.5
≥ 300	[illegible]	64.[illegible]	69.8	75.7	88.4	91.[illegible]	93.1	96.8	98.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	64.0	69.8	75.7	88.4	91.[illegible]	93.1	96.8	98.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	64.0	69.8	75.7	88.4	91.0	93.1	96.8	98.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0
0	[illegible]	64.0	69.8	75.7	88.4	91.0	93.1	96.8	98.4	98.9	98.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 189

DIRNAVOCEANMET SMOS

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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	37.4	38.1	39.2	43.4	44.4	45.1	45.3	45.9	46.2	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	[illegible]	38.4	37.9	41.3	45.1	46.2	47.2	47.9	47.9	48.3	48.6	48.6	48.6	48.6	48.6	48.6
≥ 18000	[illegible]	38.4	37.9	41.3	45.1	46.2	47.2	48.3	48.3	48.6	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	[illegible]	38.4	37.9	41.3	45.1	46.2	47.2	48.3	48.3	48.6	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	[illegible]	38.4	37.9	41.3	45.1	46.2	47.2	48.3	48.3	48.6	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	[illegible]	37.9	42.6	44.1	49.3	50.4	51.4	52.4	52.4	52.6	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	[illegible]	41.7	44.9	46.6	55.2	56.3	57.6	59.0	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	[illegible]	42.4	45.5	47.3	55.9	56.9	58.3	59.7	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	61.1	43.1	46.3	50.1	56.7	60.1	61.8	63.2	63.5	63.9	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	[illegible]	45.5	48.6	52.4	59.4	60.8	62.5	63.9	64.2	64.6	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	[illegible]	45.4	48.1	53.5	61.4	61.8	63.5	64.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	[illegible]	47.4	51.4	56.6	64.2	65.6	67.4	69.1	69.4	69.8	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4500	[illegible]	51.4	54.9	60.1	69.8	70.1	71.9	73.6	74.1	74.3	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	[illegible]	54.2	60.1	65.3	74.7	76.4	78.1	80.2	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	3.5	56.7	62.5	69.1	79.5	81.6	83.3	85.4	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	4.2	60.0	64.6	70.5	81.9	84.0	85.8	87.9	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	4.5	60.3	64.9	71.2	83.3	85.8	87.5	89.6	90.3	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	5.4	59.9	65.6	71.9	84.7	87.2	89.2	91.7	92.4	92.7	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	5.4	59.9	65.6	71.9	84.7	87.5	89.6	92.0	92.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	5.4	59.9	65.6	71.9	85.1	87.9	89.9	92.4	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	5.4	59.9	65.6	71.9	85.4	88.5	91.6	93.4	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	5.4	59.9	65.6	71.9	85.8	89.2	91.7	95.5	97.2	97.6	97.9	97.9	97.9	97.9	97.9	98.3
≥ 900	5.4	59.9	65.6	71.9	85.8	89.2	91.7	95.5	97.2	97.6	97.9	97.9	97.9	97.9	97.9	98.3
≥ 800	5.4	59.9	65.6	71.9	85.8	89.2	91.7	95.5	97.2	97.6	97.9	98.3	98.6	98.6	98.6	99.0
≥ 700	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	99.7
≥ 600	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	99.7
≥ 500	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	99.7
≥ 400	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	99.7
≥ 300	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	99.7
≥ 200	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	100.0
≥ 100	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	100.0
≥ 0	5.4	59.9	65.6	71.9	85.8	89.2	92.0	95.8	97.9	98.3	98.6	99.0	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 298

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-2 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

09 HOURS (L S T)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	.4	33.6	37.2	44.4	47.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	.4	31.1	35.4	39.7	48.4	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 18000	.4	31.1	35.4	39.7	48.4	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	.4	31.1	35.4	39.7	48.4	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	.4	31.1	35.4	39.7	48.4	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	.7	31.4	35.5	41.2	50.5	52.4	53.4	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	.7	33.1	37.2	43.7	54.5	56.7	58.1	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	.7	34.1	39.0	44.0	54.7	57.0	58.8	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	.7	36.3	41.5	47.3	58.2	61.4	63.5	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 7000	1.1	37.2	42.2	48.4	61.3	64.5	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	1.1	37.2	42.2	48.7	61.7	65.2	65.3	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	2.5	39.4	44.4	51.6	64.6	68.8	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	35.7	43.3	48.7	56.1	70.7	72.6	74.7	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	35.7	46.9	52.7	60.3	75.5	78.3	81.2	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	35.7	48.7	54.9	62.8	77.1	79.4	86.6	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	37.1	49.5	56.6	63.6	80.9	84.1	88.1	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	37.4	49.9	56.9	63.9	81.2	84.5	88.5	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	37.4	49.9	56.9	63.9	81.6	84.8	88.8	91.3	92.1	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	37.4	49.9	56.9	63.9	81.6	84.8	88.8	91.3	92.1	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	37.4	49.9	56.9	64.3	82.3	85.6	89.5	92.1	92.9	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	40.4	49.9	56.9	64.6	82.7	85.9	90.3	93.9	94.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	40.4	49.9	56.9	64.6	83.0	86.6	91.0	95.3	96.0	96.4	96.8	97.5	97.5	97.5	97.5
≥ 900	40.4	49.8	56.9	64.6	83.0	86.6	91.0	95.3	96.0	96.4	96.8	97.5	97.5	97.5	97.5
≥ 800	40.4	49.9	56.9	64.6	83.0	86.6	91.3	95.7	96.4	96.8	97.1	97.8	97.8	97.8	97.8
≥ 700	40.4	49.8	56.9	64.6	83.0	86.6	91.3	95.7	96.4	96.8	97.1	97.8	97.8	97.8	97.8
≥ 600	40.4	49.6	56.9	64.6	83.0	86.6	91.3	95.7	96.4	97.1	97.8	98.9	98.9	98.9	98.9
≥ 500	40.4	49.8	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0
≥ 400	40.4	49.8	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0
≥ 300	40.4	49.8	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0
≥ 200	40.4	49.9	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0
≥ 100	40.4	49.8	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0
0	40.4	49.8	56.9	64.6	83.4	87.0	91.7	96.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 277

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH: NOV | HOURS (L S T): 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0		
NO CEILING	[illegible]	36.1	38.7	39.7	40.7	[illegible]	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	[illegible]	42.5	46.3	48.7	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 18000	[illegible]	42.7	46.3	48.7	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 16000	[illegible]	42.4	46.3	48.7	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	[illegible]	43.0	48.1	50.4	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	[illegible]	46.7	51.2	53.9	55.8	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	[illegible]	48.0	54.4	56.5	61.4	62.1	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	[illegible]	48.1	54.7	56.8	61.8	62.5	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	[illegible]	50.9	58.5	59.3	65.8	66.7	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	[illegible]	51.6	57.3	[illegible]	66.1	67.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	[illegible]	53.1	59.6	61.8	69.1	69.1	69.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	[illegible]	56.1	62.7	64.2	71.9	71.9	72.6	74.1	74.0	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	[illegible]	57.3	63.5	67.4	75.1	76.1	77.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	[illegible]	59.3	65.6	70.5	79.3	80.7	82.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	[illegible]	61.3	66.0	71.6	81.4	83.5	84.9	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	[illegible]	60.7	67.7	74.0	84.6	87.4	89.5	91.6	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	[illegible]	61.1	68.1	74.4	85.6	88.1	90.5	92.6	93.1	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	[illegible]	61.1	68.1	74.4	85.6	88.1	90.5	93.0	93.3	93.3	94.0	94.0	94.0	94.1	94.1	94.1	94.1
≥ 1800	[illegible]	61.1	68.1	74.4	85.6	88.1	90.5	93.0	93.3	93.3	94.0	94.0	94.0	94.1	94.1	94.1	94.1
≥ 1500	[illegible]	61.4	68.4	74.7	86.7	89.1	91.9	94.4	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	[illegible]	61.4	68.4	74.7	87.1	89.8	93.0	95.8	96.1	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	[illegible]	61.4	68.4	74.7	87.4	90.2	93.3	96.5	97.2	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	[illegible]	61.4	68.4	74.7	87.4	90.2	93.3	96.8	97.5	97.5	99.1	99.1	99.0	99.1	99.1	99.1	99.1
≥ 800	[illegible]	61.4	68.4	74.7	87.4	90.2	93.3	97.2	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	[illegible]	61.4	68.4	74.7	87.4	90.2	93.3	97.2	97.9	97.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 600	[illegible]	61.4	68.4	74.7	87.4	90.2	93.3	97.2	97.9	97.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 500	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	[illegible]	61.4	68.4	74.7	87.7	90.5	93.7	97.5	98.3	98.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]335

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH NOV

HOURS (L S T) 15

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 _____ 283

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH NOV

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	.1	21.1	33.5	36.1	38.1	39.4	39.2	39.3	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	.1	29.1	33.1	35.2	37.5	41.6	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	.1	29.1	33.1	35.2	37.5	41.6	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	.1	29.1	33.1	35.2	37.5	41.6	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	.1	31.1	34.5	37.1	40.1	44.1	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	.1	33.5	36.7	39.2	42.6	48.4	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 10000	.2	35.1	39.2	41.6	50.2	53.0	54.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	.1	35.1	39.2	41.6	50.2	53.4	54.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	.1	36.4	40.7	45.6	55.2	59.4	61.2	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	.1	39.1	43.8	48.6	57.1	60.5	62.3	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	.1	41.2	44.5	47.3	58.1	61.2	63.4	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	.4	42.7	46.1	52.0	64.1	67.3	69.8	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	.4	45.1	51.3	59.2	68.7	72.2	74.7	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	.4	46.3	53.7	58.7	74.1	77.6	80.4	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3500	.4	49.1	54.3	60.1	76.2	80.1	82.9	85.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	.4	49.6	56.2	61.2	76.3	82.9	86.1	89.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	.4	49.6	56.2	61.6	79.0	84.0	87.5	90.5	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	.4	49.6	56.2	61.6	79.4	84.3	87.9	91.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	.4	49.6	56.2	61.6	79.4	84.3	87.9	91.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	.4	49.6	56.2	61.9	80.4	85.4	89.0	93.2	94.3	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	.4	49.6	56.2	62.3	81.5	86.5	90.3	95.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	.4	50.2	56.2	62.3	81.9	87.2	91.5	96.8	98.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	.4	50.2	56.2	62.3	81.9	87.2	91.5	96.8	98.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	.4	50.2	56.2	62.3	81.9	87.2	91.5	96.8	98.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	.4	50.2	56.2	62.3	81.9	87.2	91.5	96.8	98.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.4	50.2	56.2	62.3	81.9	87.5	91.8	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2?1

DIRNAVOCEANMET 5MOS

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

CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 76-7[illegible] MONTH DEC

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	≥ ¼	≥ 3/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	44.5	47.1	49.7	58.6	59.2	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	4.[illegible]	46.5	49.7	52.2	61.3	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	4.[illegible]	46.5	49.7	52.2	61.8	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	4.[illegible]	46.5	49.7	52.2	61.8	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	4.[illegible]	46.5	49.7	52.2	61.8	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	4[illegible].2	47.1	51.0	53.5	63.1	65.0	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	[illegible].3	52.9	56.7	59.2	70.1	72.0	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000	[illegible].3	53.5	57.7	60.9	70.7	72.6	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	[illegible]	58.9	62.7	65.2	75.3	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	[illegible]	[illegible].5	65.[illegible]	67.5	79.6	81.[illegible]	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	[illegible]	62.4	66.9	69.4	81.5	83.4	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 5000	7.1	65.[illegible]	70.1	73.3	85.4	87.4	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4500	4.3	66.2	71.3	74.5	86.6	89.[illegible]	90.[illegible]	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	[illegible].3	67.5	72.6	75.8	88.5	91.7	93.[illegible]	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	[illegible].4	67.5	72.6	75.8	88.5	92.4	92.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	6.[illegible]	68.[illegible]	73.3	76.4	89.9	93.6	94.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	[illegible]6.	68.8	73.9	77.1	90.5	94.3	96.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	5[illegible].6	69.4	74.5	77.7	91.1	94.9	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	[illegible]	69.4	74.5	77.7	91.1	95.5	97.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible].2	70.1	75.2	78.3	91.7	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 157

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 76-80 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY 03

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	.7	51.7	57.1	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	.7	52.8	57.6	58.3	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 18000	.7	52.8	57.6	58.3	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	.7	53.6	57.6	58.3	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	.7	53.6	57.6	58.3	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	.7	57.6	61.6	64.2	64.2	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	.7	4.1	70.2	72.9	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	.7	4.6	70.9	73.5	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	.7	71.5	76.8	81.1	81.5	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 7000	.7	71.5	76.8	81.1	81.5	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	.7	73.5	78.8	83.1	83.4	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	.7	75.5	81.5	84.8	86.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	.7	76.5	82.1	86.1	88.7	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	.7	78.6	84.8	89.7	92.7	94.1	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500	.7	78.6	85.4	89.4	93.4	94.7	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	.7	78.6	85.4	89.4	93.4	94.7	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	.7	79.5	86.1	90.1	94.0	95.4	96.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	.7	79.5	86.1	90.1	94.0	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	.7	80.1	86.8	90.7	94.7	96.7	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	.7	80.1	86.8	90.7	94.7	96.7	97.4	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.7	80.1	86.8	90.7	95.4	97.4	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 151

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

06 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]	53.5	56.[illegible]	[illegible]9.2	62.7	62.7	62.7	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	[illegible]	54.2	57.3	[illegible].0	63.9	63.9	63.9	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	[illegible]	54.2	57.7	[illegible].0	63.9	63.9	63.9	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	[illegible]	54.2	57.7	60.0	63.9	63.9	63.9	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	[illegible]	54.6	57.7	60.4	64.2	64.2	64.2	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	4[illegible]	57.5	6[illegible].6	63.5	67.7	67.7	67.7	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	[illegible]	[illegible].4	64.2	66.9	71.2	71.5	71.9	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 9000	[illegible].7	61.[illegible]	65.4	68.1	72.3	72.7	73.1	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	[illegible].4	70.[illegible]	74.[illegible]	77.3	81.9	82.3	82.7	83.9	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	66.[illegible]	71.2	75.8	78.5	83.1	83.5	83.9	85.[illegible]	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	[illegible].7	71.9	76.5	79.2	83.9	84.2	84.6	85.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	70.0	74.[illegible]	79.2	81.9	86.5	86.9	87.3	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	71.[illegible]	76.5	81.2	83.9	89.6	90.0	90.4	91.5	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	73.1	78.1	83.1	85.8	91.9	92.7	93.1	94.2	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500	3[illegible].5	79.9	84.6	87.7	93.9	94.6	95.0	96.5	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	[illegible].5	79.2	85.[illegible]	88.1	94.6	95.4	95.8	97.3	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	3[illegible].9	79.2	85.[illegible]	88.1	94.6	95.4	95.8	97.3	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000	73.9	79.2	85.0	88.1	95.[illegible]	95.8	96.2	97.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	73.9	79.2	85.0	88.1	95.0	95.8	96.2	97.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	73.9	79.2	85.0	88.1	95.0	95.8	96.2	97.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	73.9	79.2	85.0	88.1	95.4	96.2	96.5	98.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	73.9	79.2	85.[illegible]	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	73.9	79.2	85.[illegible]	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	73.9	79.2	85.[illegible]	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.9	79.2	85.0	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.9	79.2	85.[illegible]	88.1	96.2	96.9	97.3	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

29 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	[illegible].1	27.1	[illegible]	[illegible].7	51.5	53.0	54.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	[illegible].6	28.5	35.7	4[illegible].6	56.[illegible]	57.9	62.5	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 18000	[illegible].6	28.5	35.7	4[illegible].6	56.[illegible]	57.9	62.5	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	[illegible].6	28.5	35.7	4[illegible].6	56.[illegible]	57.9	62.5	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 14000	5[illegible]	29.[illegible]	3[illegible].1	41.4	56.[illegible]	58.7	61.3	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	[illegible].7	29.3	37.2	42.5	59.4	61.7	64.7	66.9	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	[illegible].3	29.3	37.2	42.5	6[illegible].2	62.[illegible]	65.8	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	[illegible].7	29.3	37.2	42.5	6[illegible].2	62.[illegible]	66.2	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	[illegible].7	29.7	38.0	43.[illegible]	61.7	64.3	67.7	69.9	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	7.1	30.5	39.7	44.4	62.8	65.4	68.8	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	[illegible].4	30.[illegible]	39.1	45.1	63.[illegible]	66.5	70.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	[illegible]	34.[illegible]	42.9	50.8	69.6	72.2	76.7	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	[illegible].7	36.[illegible]	45.5	54.5	74.8	77.4	82.0	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000	3.5	3[illegible].7	47.7	57.1	79.7	83.1	87.6	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500	34.[illegible]	3[illegible].9	48.9	58.7	82.3	85.7	90.2	93.6	93.6	94.0	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	35.[illegible]	42.1	51.1	6[illegible].9	84.6	88.0	92.5	95.9	95.9	96.2	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	37.[illegible]	42.[illegible]	51.5	61.3	86.1	89.5	94.[illegible]	97.4	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	[illegible].7	42.[illegible]	51.9	61.7	86.5	89.9	94.4	97.7	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	37.2	42.[illegible]	51.9	61.7	86.5	89.9	94.4	97.7	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	[illegible].2	42.9	51.9	61.7	86.5	89.9	94.4	97.7	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	[illegible].5	43.2	52.3	62.0	86.8	90.2	94.7	98.1	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	37.5	43.2	52.3	62.[illegible]	86.8	90.2	95.1	98.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	37.[illegible]	43.2	52.3	62.[illegible]	86.8	90.6	95.1	98.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	37.6	43.2	52.3	62.[illegible]	86.8	90.6	95.1	98.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	37.6	43.2	52.3	62.[illegible]	86.8	90.6	95.1	98.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	37.6	43.2	52.3	62.[illegible]	86.8	90.6	95.1	98.5	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	37.6	43.2	52.3	62.0	86.8	90.6	95.1	98.9	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	37.6	43.2	52.3	62.0	87.2	91.0	95.5	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	37.6	43.2	52.3	62.0	87.2	91.0	95.5	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	37.6	43.2	52.3	62.0	87.2	91.0	95.5	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.6	43.2	52.3	62.0	87.2	91.0	95.5	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.6	43.2	52.3	62.0	87.2	91.0	95.5	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 266

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ENVIRONMENTAL DETACHMENT (NAVEASTMETOCCEN)

CEILING VERSUS VISIBILITY

STATION [redacted] JAPAN STATION NAME 75-82 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 HOURS (L S T)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	[illegible]	[illegible].1	5[illegible].3	5[illegible].6	6[illegible].1	[illegible].1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	[illegible]	[illegible]3.4	6[illegible].7	[illegible].3	[illegible].3	[illegible].3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 18000	[illegible]	[illegible]3.4	61.[illegible]	[illegible].6	[illegible].7	[illegible].7	[illegible].8	[illegible].8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	[illegible]	[illegible]3.4	61.[illegible]	[illegible].6	[illegible].7	[illegible].7	[illegible].8	[illegible].8	[illegible].8	[illegible].8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 14000	[illegible]	[illegible]3.4	61.4	[illegible].[illegible]	[illegible].4	70.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 12000	[illegible]	[illegible].[illegible]	62.5	66.4	71.8	71.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	[illegible]	[illegible].[illegible]	63.8	67.2	73.7	74.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	[illegible]	[illegible].9	62.8	67.5	74.7	75.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	[illegible]	[illegible].4	65.3	70.4	77.6	78.0	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000	[illegible]	[illegible].8	65.7	[illegible].8	78.3	78.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 6000	[illegible]	[illegible].0	66.8	71.3	79.4	79.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	[illegible]	[illegible].7	68.6	73.7	81.6	[illegible].2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	[illegible]	[illegible].5	[illegible].8	76.2	84.5	[illegible].2	88.1	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	[illegible]	63.[illegible]	72.2	77.6	86.3	[illegible].[illegible]	90.3	91.[illegible]	91.[illegible]	91.[illegible]	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	[illegible]	[illegible].3	72.9	78.7	87.7	88.5	91.7	92.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	[illegible]	[illegible].[illegible]	73.7	79.4	89.9	[illegible].6	93.9	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	[illegible]	[illegible].3	[illegible].[illegible]	[illegible].6	[illegible].3	[illegible].[illegible]	[illegible].6	[illegible].0	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	[illegible]	[illegible].7	74.4	[illegible]	[illegible].0	[illegible].7	95.3	97.1	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	[illegible]	[illegible].7	74.4	[illegible]	[illegible].[illegible]	[illegible].7	95.3	97.1	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	[illegible]	[illegible].7	74.4	[illegible]	[illegible].[illegible]	[illegible].7	95.3	97.1	97.5	97.8	98.2	98.2	98.2	98.6	98.6	98.6
≥ 1200	[illegible]	[illegible].4	75.1	[illegible].9	92.1	92.3	96.4	98.2	98.9	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 1000	[illegible]	[illegible].4	75.1	[illegible].9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 900	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 800	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 700	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 600	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 500	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 400	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 300	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 200	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 100	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0
≥ 0	[illegible]	[illegible].4	75.1	80.9	92.1	92.8	96.4	98.6	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]277

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, [illegible]

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 17

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	51.1	54.4	55.4	59.1	0.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 20000	[illegible]	55.4	60.5	62.7	67.8	68.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	[illegible]	55.4	60.5	62.7	67.8	68.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	[illegible]	55.4	60.5	63.5	69.1	69.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	1.1	55.4	60.9	63.4	69.8	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	2.2	57.3	62.3	64.9	70.7	71.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 10000	4.0	59.1	64.1	66.7	73.2	74.3	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	4.0	59.1	64.1	66.7	73.2	74.3	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	5.1	60.9	65.9	68.5	75.4	76.5	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	5.1	60.9	66.3	69.8	75.7	76.8	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	5.5	61.2	67.1	69.6	76.5	77.5	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	5.5	62.7	68.5	71.4	78.6	80.1	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	[illegible]	65.6	71.4	74.3	82.6	84.1	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	1.6	67.4	73.6	76.5	85.9	87.3	90.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	2.3	68.1	74.6	77.9	87.7	89.5	92.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	3.1	68.8	75.4	79.0	89.1	91.3	94.6	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500	3.4	68.8	75.4	79.0	89.1	91.3	94.6	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	3.4	68.8	75.4	79.0	89.1	91.7	95.3	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	3.4	68.8	75.4	79.0	89.1	91.7	95.3	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	3.4	69.2	75.7	79.4	89.9	92.4	96.2	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 700	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 600	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 500	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 400	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 300	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 200	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 100	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 0	3.4	69.2	75.7	79.4	89.9	92.8	96.4	98.2	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 276

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION [redacted] STATION NAME [redacted] YEARS 72-[redacted] MONTH DEC

HOURS (L S T) 16

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	41.[illegible]	[illegible]	[illegible]	[illegible]	54.9	56.3	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	[illegible]	37.6	44.[illegible]	46.[illegible]	[illegible]	[illegible]	62.1	63.5	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	[illegible]	37.6	44.[illegible]	46.9	[illegible]	[illegible]	62.1	63.5	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	[illegible]	[illegible]	44.4	47.3	[illegible]	[illegible]	62.5	63.9	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	[illegible]	[illegible]	44.[illegible]	47.7	61.4	[illegible]	64.6	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	[illegible]	40.4	47.3	[illegible]	64.3	66.1	67.9	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000	[illegible]	42.2	[illegible]	[illegible]	68.2	70.8	72.9	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.[illegible]	74.0	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	[illegible]	45.1	52.7	[illegible]	73.7	76.5	78.7	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	[illegible]	45.1	52.7	[illegible]	74.0	76.8	79.1	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 6000	[illegible]	45.5	53.1	[illegible]	74.4	77.3	79.4	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000	[illegible]	46.[illegible]	[illegible]	[illegible]	76.9	80.1	82.7	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	[illegible]	47.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	[illegible]	49.1	57.4	61.7	82.7	86.[illegible]	89.5	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	[illegible]	49.5	57.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	[illegible]	49.5	57.8	62.1	83.[illegible]	88.1	91.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	[illegible]	[illegible]	[illegible]	[illegible]	85.6	89.9	93.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	[illegible]	50.9	59.2	63.5	85.9	90.6	93.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1500	[illegible]	[illegible]	[illegible]	[illegible]	86.6	91.[illegible]	95.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1000	[illegible]	[illegible]	59.6	63.9	86.6	91.7	95.0	97.8	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6
≥ 900	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800	[illegible]	50.9	59.6	63.9	86.6	91.7	95.[illegible]	98.2	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9
≥ 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 600	[illegible]	[illegible]	59.6	63.9	86.6	91.7	95.[illegible]	98.2	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9
≥ 500	[illegible]	50.9	59.6	63.9	[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] 277

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 43-72 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 21

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING	.7	37.7	41.3	42.4	55.0	56.3	57.5	57.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	.9	44.4	47.3	47.9	57.9	59.2	60.4	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	.9	44.4	47.3	47.9	57.9	59.2	60.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	.9	44.4	47.3	47.9	57.9	59.2	60.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	.9	44.4	47.3	47.9	57.9	59.2	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000	1.3	42.1	46.3	51.3	62.1	63.3	65.4	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	1.3	45.4	49.8	54.6	66.7	68.8	70.8	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	1.3	45.4	49.8	54.6	66.7	69.2	71.3	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 8000	1.4	47.9	52.5	58.8	71.3	74.2	76.3	77.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000	1.4	47.9	52.5	58.8	71.7	74.6	76.7	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	1.4	48.3	53.0	59.2	72.5	75.8	78.3	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	1.4	51.7	56.7	63.9	76.7	80.1	82.9	83.8	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	2.1	55.1	60.4	66.7	80.4	84.2	87.5	88.3	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4000	4.3	56.5	62.1	69.3	83.3	87.1	90.8	91.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	5.1	56.7	62.5	69.3	85.1	88.8	92.5	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	4.5	57.5	63.3	69.6	87.1	90.5	94.6	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	4.6	57.5	63.3	69.6	87.1	90.8	94.6	95.4	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
≥ 2000	5.3	57.9	63.8	70.0	87.9	91.7	95.4	96.3	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5
≥ 1800	5.8	57.9	63.8	70.0	88.3	92.1	95.8	96.7	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9
≥ 1500	5.8	57.9	63.8	70.0	88.8	92.5	96.3	97.1	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3
≥ 1200	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 1000	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 900	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 800	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 700	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 600	5.4	58.3	64.6	70.8	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 500	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 400	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 300	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 200	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 100	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0
≥ 0	5.4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ 73-82 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	63.5	64.0	69.3	57.9	58.3	59.1	59.6	59.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	[illegible]	45.[illegible]	51.1	54.3	62.5	63.9	64.6	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	[illegible]	45.[illegible]	51.1	54.3	62.5	63.5	64.6	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	[illegible]	45.[illegible]	51.1	54.4	62.6	63.6	64.7	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	[illegible]	46.1	51.3	54.7	63.1	64.1	65.2	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	[illegible]	47.[illegible]	53.4	56.9	65.8	66.8	68.1	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 10000	[illegible]	50.3	55.5	59.7	69.4	71.9	72.5	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	[illegible]	50.6	56.3	60.1	70.0	71.5	73.3	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	[illegible]	54.0	60.2	64.2	74.6	76.3	78.1	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	[illegible]	54.4	60.7	64.7	75.3	76.9	78.8	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	[illegible]	55.3	61.5	65.6	76.3	78.0	80.0	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	[illegible]	57.[illegible]	64.[illegible]	68.5	79.5	81.4	83.7	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	[illegible]	58.6	66.2	71.[illegible]	82.8	84.8	87.3	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	[illegible]	61.2	69.1	73.3	85.9	88.1	90.9	92.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	[illegible]	61.7	69.9	74.[illegible]	87.3	89.7	92.4	94.[illegible]	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	[illegible]	62.5	69.6	74.7	88.7	91.2	94.[illegible]	95.8	96.[illegible]	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	[illegible]	62.6	70.[illegible]	75.1	89.5	91.9	94.7	96.5	96.8	97.[illegible]	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	[illegible]	[illegible].1	70.2	75.4	89.8	92.4	95.3	97.2	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1800	[illegible]	[illegible]	[illegible].[illegible]	75.4	89.9	92.6	95.5	97.4	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1
≥ 1500	[illegible]	63.2	7[illegible].4	75.6	90.[illegible]	93.0	95.[illegible]	97.7	98.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6
≥ 1200	[illegible]	63.5	7[illegible].7	75.8	9[illegible].6	93.4	96.3	98.3	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3
≥ 1000	[illegible]	63.5	7[illegible].7	75.8	9[illegible].7	93.6	96.5	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6
≥ 900	[illegible]	63.5	7[illegible].7	75.8	9[illegible].7	93.6	96.5	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6
≥ 800	[illegible]	63.5	70.7	75.8	90.7	93.6	96.5	98.6	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7
≥ 700	[illegible]	63.5	7[illegible].7	75.8	90.7	93.6	96.5	98.6	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7
≥ 600	[illegible]	63.5	7[illegible].7	75.8	90.7	93.6	96.5	98.6	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.7
≥ 500	[illegible]	63.5	7[illegible].7	75.8	90.8	93.7	96.6	98.7	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.9
≥ 400	[illegible]	63.5	7[illegible].7	75.8	90.8	93.8	96.6	98.8	99.2	99.6	99.7	99.8	99.8	99.9	99.9	99.9
≥ 300	[illegible]	63.5	7[illegible].7	75.8	90.8	93.8	96.6	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	[illegible]	63.5	70.7	75.8	90.8	93.8	96.6	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	[illegible]	63.5	70.7	75.8	90.8	93.8	96.6	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	[illegible]	63.5	70.7	75.8	90.8	93.8	96.6	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 1904

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS ALL

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 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 24185

DIRNAVOCEANMET SMOS

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 4-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 number of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

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

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

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

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

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

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

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

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

6. Hourly [illegible] of occurrence of [illegible] temperatures versus wind direction - This [illegible] from hourly observations and is prepared by month and annual, all hours and [illegible] [illegible] summary [illegible] temperatures versus vertical [illegible] [illegible] (plus calm).

DAILY TEMPERATURES

STATION [illegible] ATSUGI, JAPAN STATION NAME 61-63, 66-71 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100								.4					.0
95							.3	3.8	.2				.4
90						.7	14.0	30.2	5.5				7.1
85					.4	9.6	46.7	69.3	26.1	.4			12.5
80				.6	9.1	37.0	71.7	87.5	53.7	3.6			21.7
75	.1	.4	.2	6.7	36.2	68.9	92.6	97.2	78.4	24.5	2.4		33.9
70		.8	2.9	26.0	69.9	87.4	98.1	99.1	92.5	54.3	12.9	.4	45.2
65	1.1	3.5	14.9	52.1	90.0	96.1	99.8	100.0	98.1	74.6	37.1	5.3	55.9
60	4.7	12.0	32.9	78.7	96.8	99.1	100.0		100.0	92.6	60.4	21.1	66.4
55	19.1	27.2	58.5	92.9	99.6	100.0				99.6	83.3	47.6	77.2
50	43.9	54.5	77.4	98.7	100.0					100.0	95.7	77.6	87.6
45	84.6	82.3	93.6	99.8							99.4	95.3	96.2
40	97.8	95.3	98.7	100.0							100.0	99.4	99.3
35	99.6	99.6	99.8									100.0	99.9
30	100.0	100.0	100.0										100.0
MEAN	40.7	39.8	55.9	64.8	72.1	76.9	83.1	86.3	79.7	69.5	61.5	54.3	67.1
S D	5.667	7.009	7.666	6.854	5.869	6.231	6.002	5.451	6.595	6.465	6.984	6.087	13.720
TOTAL OBS	557	508	557	539	558	540	527	527	513	527	513	527	6798

NAVWEASERVCOM

DAILY TEMPERATURES

ATSUGI, JAPAN (STATION NAME) 51-63, 66-71 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.4	13.9	26.6	4.1				2.7
70					.2	6.1	61.3	76.5	24.1	.2			13.2
65					1.6	30.7	90.5	97.2	57.3	3.4			31.1
60				.2	2.4	14.2	72.0	98.7	100.0	84.7	16.9	.2	32.1
55				1.3	12.2	52.0	93.3	100.0		96.2	49.3	4.1	42.3
50			.6	3.4	32.8	83.7	99.3			99.4	80.3	19.2	1.1	51.3
45	.4	2.2	10.6	56.6	96.6	100.0				100.0	94.3	46.9	4.9	59.2
40	3.4	8.5	32.9	84.2	99.8						98.3	74.9	19.0	65.2
35	14.5	21.9	56.4	95.9	100.0						100.0	89.8	40.8	76.5
30	41.4	51.0	84.9	99.8								97.5	70.0	87.2
25	72.2	79.7	96.8	100.0								99.6	91.5	94.9
20	92.5	94.3	99.6									100.0	99.6	98.8
15	98.2	100.0	100.0										100.0	99.8
10	99.8													100.0
5	100.0													100.0
MEAN	28.1	29.9	36.3	46.2	54.4	62.1	70.1	71.9	65.8	54.1	43.6	33.2		49.6
S D	8.173	6.590	6.851	6.781	5.065	4.816	4.056	3.491	5.409	5.892	6.814	6.535		16.092
TOTAL OBS	526	528	557	539	558	542	527	527	511	527	510	527		6388

NAVWEASERVCOM

DAILY TEMPERATURES

STATION [illegible] ATSUGI, JAPAN STATION NAME 51-63, 66-71 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
90							1.7	4.6	.2				.5
85						1.1	32.3	59.1	11.6				9.5
80					.4	15.0	69.4	87.9	39.8	.8			17.5
75				.6	7.2	55.0	93.5	98.1	72.2	5.5			27.3
70			.2	7.6	42.8	86.3	98.9	99.6	92.5	33.0	2.2		38.3
65			2.0	20.5	81.9	97.4	100.0	100.0	99.8	68.1	13.1	.6	49.2
60	.4	2.0	11.3	57.0	97.5	100.0			100.0	93.9	39.2	3.6	58.6
55	2.2	7.1	30.9	86.3	100.0					99.8	73.5	15.2	67.8
50	11.5	20.1	61.0	97.6						100.0	90.0	42.5	76.8
45	42.9	50.0	85.3	99.6							99.2	78.0	87.8
40	86.2	89.4	98.4	100.0							99.8	97.7	97.6
35	98.4	99.6	100.0								100.0	100.0	99.8
30	100.0	100.0											100.0
MEAN	39.2	40.6	46.4	55.9	63.4	69.8	76.8	79.4	72.8	62.0	52.9	44.0	58.6
S D	4.614	5.503	6.261	5.877	4.389	4.714	4.691	3.962	5.366	4.987	5.903	5.392	14.567
TOTAL OBS	558	508	557	579	558	540	527	527	517	527	513	527	6188

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

ATSUGI, JAPAN (STATION NAME) — 61-63, 66-71 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1			71	73	82	89	94	97	89	81	72	66	
[illegible]	64	53	66	79	92	88	91	96	92	84	76	62	96
[illegible]	[illegible]	67			93	87	92	102	92	79	78	62	
[illegible]	63	73	72	77	79	81	89	98	91	76	73	74	98
[illegible]	59	68	71	77	78	92	93	92	89	81	70	65	93
[illegible]	62	65	69	79	81	90	91	100	90	72	72	64	100
[illegible]	66	56	70	74	79	84	92	94	83	76	71	71	94
[illegible]	62	67	68	78	83	88	88	93	91	82	74	64	93
[illegible]	64	75	69	78	82	81	92	93	91	83	74	67	93
[illegible]	69	67	71	74	78	86	89	91	93	90	74	66	93
[illegible]	58	58	72	76	83	86	97	94	95	83	72	66	97
[illegible]	59	77	68	76	84	85	93	96	92	83	79	64	96
[illegible]	56	60											
[illegible]6	61	59	74	78	81	89	93	96	93	79	79	60	96
67	64	64	75	77	87	89	94	96	90	79	77	63	96
[illegible]	61	59	73	75	82	86	92	93	88	88	75	69	93
[illegible]	75	67	72	83	86	83	96	93	92	79	76	68	96
[illegible]	59	65	64	77	82	87	93	93	93	81	71	65	93
[illegible]1	62	63	70	81	84	90							
MEAN	62.6	65.2	70.2	77.5	82.0	86.7	92.3	95.1	90.8	80.4	74.2	66.0	95.1
S D	4.654	6.364	2.796	2.294	3.473	3.064	2.334	2.634	2.675	2.934	2.958	3.373	2.200
TOTAL OBS	550	508	527	510	558	540	527	527	510	527	510	527	6329

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

31 — STATION
ATSUGI, JAPAN — STATION NAME
51-63, 66-71 — 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
[illegible]			[illegible]	75									MAX TEMP DAYS
				79									
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

3[illegible] / STATION — MISUGI, JAPAN / STATION NAME — 51-63, 66-71 / YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]1			2[illegible]	[illegible]3	42	47	58	66	49	44	27	27	
[illegible]2	21	19	28	[illegible]0	44	52	63	68	55	46	36	22	19
[illegible]3	19	17			36	55	59	60	57	48	30	27	
[illegible]4	14	21	27	37	44	52	59	68	59	43	38	28	14
[illegible]5	23	22	28	29	43	55	70	64	55	48	35	23	22
56	19	25	26	33	42	57	63	61	57	45	34	24	19
[illegible]7	21	25	23	31	45	51	53	67	55	39	39	26	21
[illegible]8	22	27	24	33	40	52	63	65	55	43	34	29	22
[illegible]9	17	25	31	38	47	53	66	65	60	46	37	26	17
[illegible]0	22	25	28	36	42	53	66	63	51	46	30	28	22
[illegible]1	20	16	27	30	49	53	67	66	59	51	32	25	16
[illegible]2	17	20	25	32	44	49	61	66	48	40	25	25	17
[illegible]3	9	19											
[illegible]6	16	19	23	40	42	46	57	66	51	42	26	16	16
67	12	17	21	34	46	51	64	65	57	40	30	17	12
68	18	16	22	36	42	58	64	68	57	41	29	23	16
[illegible]9	16	20	22	32	46	49	59	65	56	37	26	20	16
[illegible]0	14	16	19	36	47	54	60	65	54	36	24	20	14
[illegible]1	20	19	18	35	48	57							
MEAN	17.7	20.4	24.6	33.8	43.8	52.4	62.5	65.2	55.0	43.2	31.3	24.1	17.5
S D	3.916	3.601	3.519	3.067	3.146	3.329	3.555	2.243	3.464	4.101	4.780	3.960	3.226
TOTAL OBS	558	508	521	510	554	540	527	527	510	527	510	527	6329

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[redacted] ATSUGI, JAPAN 61-63, 66-71
STATION STATION NAME 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
[redacted]			26 30	33 29									MIN TEMP DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH JAN

BASE 1

HOURS (L.S.T.)

Temp °F	WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ≥31	TOTAL DB	TOTAL WB	Dry Bulb	Wet Bulb	Dew Point
		1	1			
		6	6			
		11	11			
		15	15			
		17	17			
		32	32			
		36	36			
		94	94	9	9	9
		119	119	24	24	13
		134	134	35	35	15
		204	204	58	58	21
		171	171	72	72	29
		216	216	120	120	35
		214	214	172	172	47
		253	253	229	229	64
		158	158	249	249	56
		173	173	300	300	111
		96	96	288	288	109
		87	87	214	214	132
		44	44	162	162	105
		14	14	104	104	155
		10	10	39	39	176
		1	1	11	11	161
		1	1	2	2	2
						15
						164
						1
						84
						52
						53
						2
						1

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

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

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

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	670496	112297	53.3	18.22	2106							
Dry Bulb	3.45784	86266	41.0	7.298	2106		89.4					744.0
Wet Bulb	2.0656	72976	34.7	6.181	2106		289.7					744.0
Dew Point	1370875	50063	23.8	9.287	2106	.4	615.1					744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	TOTAL DB	TOTAL WB	Dry Bulb	Wet Bulb	Dew Point
6				1	1	
5				4	4	
4				2	2	
3				7	7	
2				10	10	4
1				15	15	1
0				24	24	4
-1				53	53	14
-2				54	54	12
-3		18	18	38	23	6
-4		101	101	72	19	
-5		112	153	61	24	
-6		178	178	96	7	
-7		163	164	97	35	
-8		220	220	130	65	
-9		172	152	167	52	
-10		229	229	195	77	
-11		178	140	231	93	
-12		119	119	263	1..	
-13		76	76	192	1..	
-14		54	54	154	91	
-15		40	40	116	14	
-16		15	15	3	11	
-17		11	11	2	144	
-18		2	2	17	144	
-19					156	
-20					11	
-21					114	
-22					7	
-23					57	
-24					5	
-25					3	
-26					2	

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

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS L S T

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

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]	56.0	20.052	1928							
Dry Bulb	[illegible] 26411	81195	42.0	7.686	1937		68.9	1.7				672.0
Wet Bulb	[illegible]	69421	36.0	6.888	1928		209.0					672.0
Dew Point	[illegible]	49951	25.9	10.655	1928	2.1	467.6					672.0

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PSYCHROMETRIC SUMMARY

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

HOURS (LST)

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL DB WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]																					
[illegible]																					
60																					
[illegible]																					
[illegible]																		19	19		
[illegible]																		47	47	4	4
[illegible]																		48	48	8	8
[illegible]																		78	78	6	6
57																		83	83	22	6
[illegible]																		134	134	36	14
[illegible]																		132	132	51	19
[illegible]																		161	161	72	37
[illegible]																		172	172	113	25
[illegible]																		211	211	151	55
[illegible]																		272	272	219	81
[illegible]																		186	186	223	99
[illegible]																		193	193	254	144
[illegible]																		115	115	237	119
[illegible]																		96	96	216	207
[illegible]																		54	54	178	147
[illegible]																		49	49	152	179
[illegible]																		14	14	76	146
[illegible]																		18	18	54	134
[illegible]																		6	6	29	133
25																		3	3	12	81
23																		1	1	6	111
21																		1	1	2	7[illegible]
[illegible]																				1	68
[illegible]																					[illegible]
[illegible]																					53
13																					2[illegible]
11																					1[illegible]
[illegible]																					1[illegible]
[illegible]																					9

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

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME YEARS MONTH

HOURS (L.S.T.)

Temp F	WET BULB TEMPERATURE DEPRESSION (f) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	TOTAL DB/WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	[illegible]	2126	2126	2126	2126

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.	465684	126938	59.7	20.767	2126							
Dry Bulb	[illegible]70234	101422	47.7	7.897	2126		19.0	8.0	1.0			744.0
Wet Bulb	[illegible]57777	88167	41.5	6.894	2126		83.0	.3				744.0
Dew Point	[illegible]19406	69800	32.8	10.352	2126		341.9					744.0

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PSYCHROMETRIC SUMMARY

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

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

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

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PSYCHROMETRIC SUMMARY

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

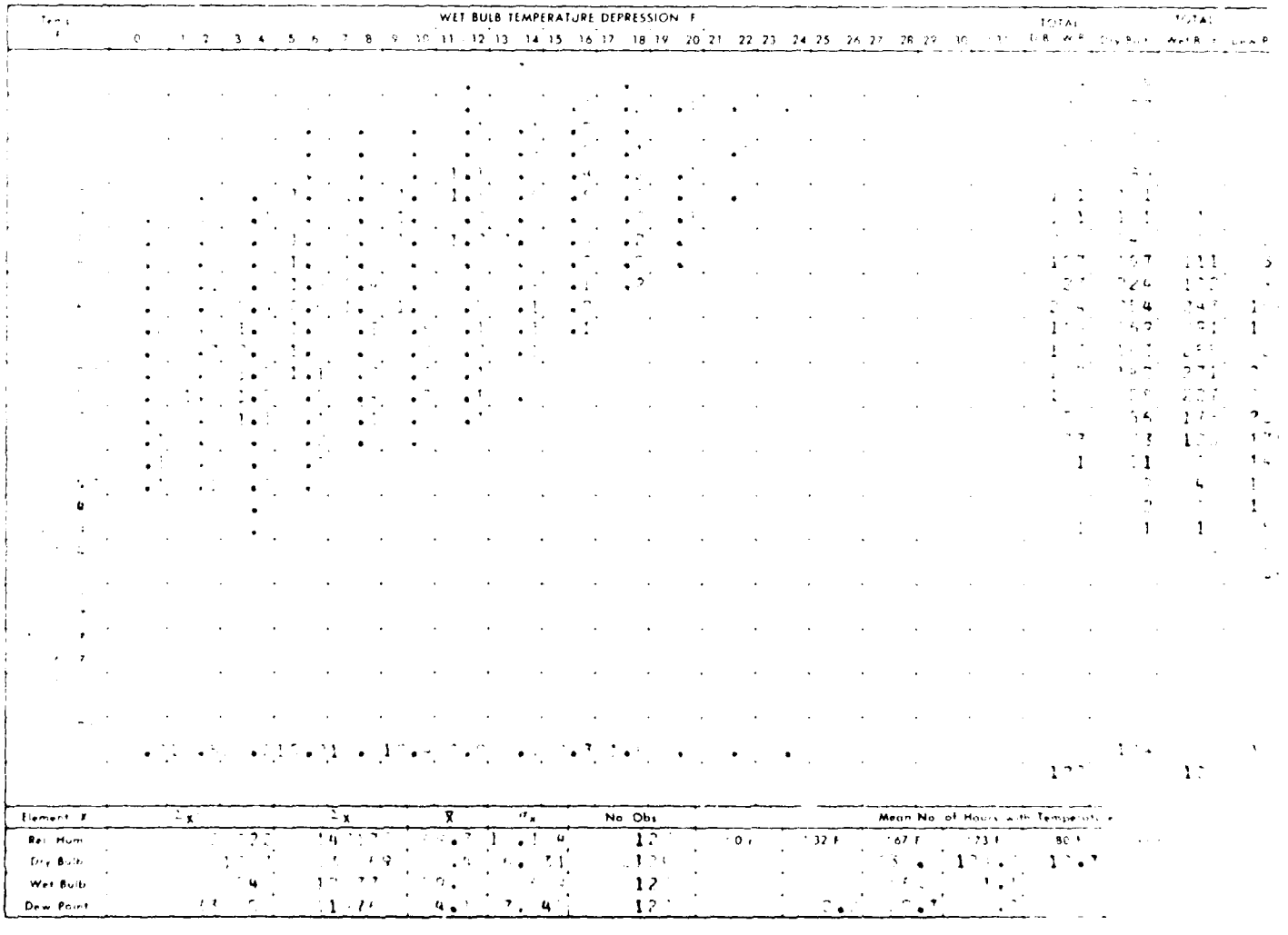
HOURS (L.S.T.)

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

NAVWEASERVCOM

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]	135768	46.3	19.667	[illegible]							
Dry Bulb	[illegible]	117280	67.3	7.121	[illegible]		.4	89.6	16.7			720.0
Wet Bulb	[illegible]	146552	71.1	7.147	[illegible]		1.7	5.6				720.0
Dew Point	5326223	91807	44.8	17.141	[illegible]		98.2	1.1				720.0

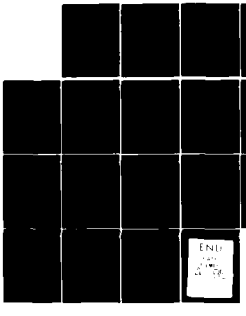
PSYCHROMETRIC SUMMAR

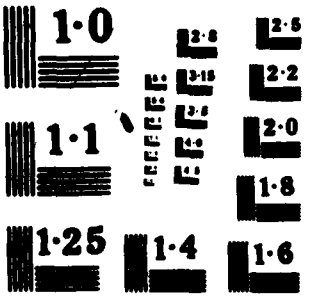


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AD A151 677 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
FOR ATSUGI JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

UNCLASSIFIED F/G 4/2 NL




1·0
1·1
1·25
1·4
2·8
3·15
2·5
2·2
2·0
1·8
1·6

PSYCHROMETRIC SUMMARY

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

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

Temp F	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]								.[illegible]										[illegible]	2		
[illegible]								.[illegible]	.1									7	7		
[illegible]						.	.2	.[illegible]	.[illegible]									7	7		
[illegible]					.1	.3	.5	.[illegible]		.[illegible]	.[illegible]							[illegible]2	22		
[illegible]				.	.7	.7	.6	.1	.[illegible]									39	[illegible]		
[illegible]			.	.4	.	1.[illegible]	.9	.1	.1	.[illegible]								7[illegible]	78		
7[illegible]			.	1.[illegible]	1.[illegible]	1.[illegible]	.7	.7	.1	.5								11[illegible]	118		
[illegible]7			.[illegible]	2.4	1.[illegible]	1.1	1.[illegible]	.7	.[illegible]	.[illegible]								1[illegible]5	165	6	
[illegible]		.2	1.[illegible]	2.[illegible]	[illegible].7	1.[illegible]	.6	.1										1[illegible]1	1[illegible]1	[illegible]	1
[illegible]	.1	[illegible].	3.[illegible]	5.1	1.9	1.[illegible]	.5	.2	.1									30[illegible]	[illegible]05	15[illegible]	6[illegible]
7[illegible]	.7	1.[illegible]	4.2	1.[illegible]	1.3	.7	.1		.[illegible]	.[illegible]								[illegible]11	211	1[illegible]6	117
[illegible]	.4	3.[illegible]	6.4	1.[illegible]	1.3	.[illegible]	.1											2[illegible]5	[illegible]65	[illegible]93	2[illegible]4
6[illegible]	.4	[illegible].	4.1	.[illegible]	.7	.[illegible]	.											2[illegible]	209	3[illegible]5	[illegible]67
6[illegible]	.[illegible]	[illegible].	1.6	1.[illegible]	.[illegible]													1[illegible]3	153	33[illegible]	3[illegible]3
[illegible]	.[illegible]	4.[illegible]	1.4	1.	.[illegible]	.												14[illegible]	146	256	34[illegible]
[illegible]	.2	1.[illegible]	.[illegible]	.[illegible]	.1	.												[illegible]3	[illegible]3	176	22[illegible]
[illegible]	.	1.[illegible]	.[illegible]	.[illegible]	.1													[illegible]	4[illegible]	111	1[illegible]1
[illegible]		[illegible]	.[illegible]	.[illegible]														[illegible]	14	[illegible]1	1[illegible]
[illegible]	.1	.1		.															[illegible]	[illegible]	11[illegible]
5[illegible]																				1[illegible]	[illegible]
[illegible]																					.[illegible]
[illegible]																					
47																					
4[illegible]																					
4[illegible]																					
4[illegible]																					
[illegible]	.[illegible]	[illegible]	[illegible]25.[illegible]	18.2	1[illegible].7	[illegible].	[illegible].4	1.[illegible]	.7	.2	.[illegible]							[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	1[illegible]23	15[illegible]4[illegible]7	77.[illegible]	1[illegible].47[illegible]	205[illegible]							
Dry Bulb	1[illegible]363	146977	71.6	6.[illegible]8[illegible]	2053			571.3	324.1	73.6		[illegible]
Wet Bulb	[illegible]5[illegible]	13[illegible]735	[illegible]6.6	4.[illegible]3[illegible]	2053			3[illegible].9	77.9			720.[illegible]
Dew Point	379766	13[illegible]706	63.7	[illegible].[illegible]2[illegible]	2053			228.7	40.3			720.[illegible]

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PSYCHROMETRIC SUMMARY

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
									.1	.1									6		
								.1	.1									18	18		
							1.	.3	.1									36	36		
						.2	1.	.2	.2	.1								112	112		
					.2	.3	.3	.3	.1									128	128		
				1.	.1	1.	.	.1	.1									125	125		
			1.2	.3	1.6	1.	.3	.3	.1									222	222	6	
			.3	4.1	.3	.	.1	.										212	212	7	1
	.1	.2	.6	.7	1.4	.	.											274	274	271	3
	.	.2	.3	2.3	.7	.3	.2	.										247	247	410	180
	.	.1	.3	1.3	.2	.	.1											231	231	360	490
	.	.1	.	.3	.1	.	.											169	169	305	356
	.	.	.	.3	.1	.1												156	156	248	345
	.	1.7	1.3	.2	.1	.												94	94	193	234
	.	1.4	.3	.1	.	.												91	91	129	171
	.1	.	.	.2	.1													34	34	72	132
	.1	.1	.1	.1														9	9	22	57
	.	.1		.1														5	5	15	29
		.1																3	3	11	1
		.1																	3	7	
																					1
	.0	.3	.5	.2	.1	.6	10.2	5.7	1.6	.7	.1								2126		2126
																	2126			2126	

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	1347697	167143	78.6	12.1 2	21							
Dry Bulb	1 595	16 789	7.	13	2126			7.3	56 .1	262.	2.4	744.
Wet Bulb	11 404	15 129	7.	4.591	2126			65 .	389.9	7.7		744.
Dew Point	1 340	147918	69.6	4. 4	2126			5 .3	314.3	.3		744.0

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 30	31	TOTAL DB WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
										.1	.							14	14		
										.1								46	46		
8					.1		.2	1.7	.2	.	.1	.						103	103		
8				.6	.7	3.1	.1	.6	.3	.								177	179		
9				.6	.4	2.2		.2	.4	.1								147	147		
			.2	.2	.2		.2	.3	.1		.1							163	163	1	
		.2	.2	1.2	1.7	1.1	1.0	.2	.1									296	296	11	
7		1.2	4.4	3.4	.3	.3	.1	.	.									238	238	130	7
77	.	2.6	7.2	2.2	.2	.2	.1	.2										294	294	422	51
7	.	.2	2.6	1.7	.3	.2	.											234	234	527	273
7	.	.4	2.2	2.2	.2	.2	.1	.1										179	179	387	67
7	.	.3	1.6	1.5	.2	.1	.2											90	90	243	344
6	.	.1	1.2	1.5	.1													73	73	165	28
6	.	.	.2	.4	.1													40	40	142	176
6	.	.1	.2	.2														24	24	51	108
5	.		.4	.	.2													11	11	34	111
6																				7	41
59																					1
57	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4
56																					6
5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
5																					1
	.	.1	1.2	2.3	1.9	1.2	1.0	.7	.6	.4	.1	.5	.0	.2	.0	.1	.	2131	132	2131	2131

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature 30 F	32 F	67 F	73 F	80 F	93 F	Total
Rel Hum	1 [illegible]72154	16[illegible]48	76.[illegible]	1[illegible].83	2131							
Dry Bulb	1[illegible]6440	16[illegible]783	79.6	6.[illegible]37	2132			731.8	660.[illegible]	370.3	5.6	744.0
Wet Bulb	11 42748	157[illegible]4	[illegible]3.8	7.[illegible]17	2131			707.3	515.3	16.9		744.0
Dew Point	1[illegible] 10767	151523	71.1	4.159	2131			629.8	427.3	2.4		744.0

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PSYCHROMETRIC SUMMARY

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

Temp °F	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
							•	•	•	•1	•										
							•	•	••	•								14	14		
						•	1•	•	•	•1	•							4	4		
						•	•	•	•1	•	•1							7	54		
			•			•	1•1	•	•	•1								71	71		
			•1	1•1	•	•	•	•	•4	•								125	125	1	
		•1	•1	2•1	•1	1•	•	•	•1									139	139	11	
	•	•	1•	1•1	1•	1•	1•	•	•									203	203	50	14
	•	•1	1•	1•	1•4	•	•	•4	•1		•							191	191	172	59
	•	•1	2•	3•1	•1	1•	•	•	•	•								255	255	204	169
	•	1•4	2•	1•1	1•	•	•											194	194	177	177
	•	•	2•	1•1	1•1	•	•	•1	•1									236	236	218	171
	•	•	3•	1•	•													168	168	304	212
	•	•1	2•	•1	•1	•1												157	157	343	211
	•	•4	1•4	1•1	•	•1	•1											135	135	283	75
	•	•	•	1•1														43	43	154	73
	•	•	•	•														22	22	54	216
		•	•	•															8	34	64
		•	•	•															7	27	1.4
																					4
																					35
																					11
47																					4
46																					1
47																					1
4																					
																					1
	•1	•42	•1	1•4	11•1	•	6•2	•	•2	•1	•5	•2							8		2057
																		2087		2087	

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	125 7771	157861	7 •7	14•72	2097							
Dry Bulb	113 2 53	152961	73•3	6•22	2 8			5 1•7	384•8	13 •6		720•0
Wet Bulb	6 78 9	14139	67•7	7•2	2 87			03•0	164•9	•7		720•0
Dew Point	79275	134 73	64•6	6•172	2087			273•2	114•2	•7		720•0

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PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

A F
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 DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
										•1								1	1		
									•1									1	1		
			•			•	•1	•													
						•	•1	•1	•1	•1	•1							14	14		
					•	•	•4	•1		•1	•1	•1						25	25	1	
	•	•	•	•	•	•	•2	•	•1	•1	•	•1						42	42	1	
		•	•1	•	•	•6	•4	•	•1	•2								56	56	3	1
	•	•1	•	•	•	1•	1•3	•	•5	•1	•							122	122	6	
		•2	1•1	•	1•4	•	•5	•	•2	•1	•2							119	119	13	4
		•2	1•	1•5	1•6	1•	•7	•	•4	•2								191	191	47	
		•	1•	1•4	1•5	1•	•	•6	•3	•1	•							195	195	94	
	•1	•2	2•4	1•7	1•4	1•	•	•4	•2									223	223	141	5
	•2	•7	3•2	3•7	1•2	1•	•7	•										220	221	243	126
	•3	2•	2•1	1•2	1•4	•6	•2	•1										212	212	307	195
	•	2•5	2•1	1•6	1•	1•	•4	•										234	234	294	244
	•4	2•1	1•	1•5	•	•	•1	•1										156	156	267	243
	•	1•1	1•2	1•1	•7	•	•											129	129	222	240
	•2	•9	1•2	•	•	•1												79	79	205	228
		•4	•	•	•7													36	36	135	177
	•1	•1	•4	•	•													20	20	11	123
		•1	•1	•														16	16	63	175
	•	•1	•1	•1														10	10	41	124
			•																2	15	87
			•	•	•														2	9	86
																				3	54
																				1	43
																				1	19
																					16
																					11
																					1
																					1

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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
	.	.	21.[illegible]	[illegible]	1[illegible]	1[illegible]	[illegible].7	3.[illegible]	[illegible]	.8	.	.1							[illegible]11		[illegible]
																		[illegible]2[illegible]		[illegible]2[illegible]	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum	11 1[illegible]	15 [illegible]21	[illegible].8	17.192	2[illegible]	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	[illegible]1[illegible]	141[illegible]4	[illegible]4.1	6.[illegible]69	211			[illegible].4	8[illegible]	1[illegible].9		[illegible]
Wet Bulb	[illegible]1[illegible]9[illegible]	12 6[illegible]	[illegible]8.[illegible]	[illegible]	.2			.2	[illegible].7	.3		[illegible]
Dew Point	[illegible]476727	11 321	[illegible]3.6	7.93[illegible]	22[illegible]		[illegible].4	17.[illegible]	2.			[illegible]

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PSYCHROMETRIC SUMMARY

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

HOURS [illegible]

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL DB - WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]								•										1	1		
7[illegible]						•		•										2	2		
[illegible]					•	•	•											4	4		
7[illegible]				•	•	•	•	•	•									11	11		
7[illegible]				•	•	•	•	•	•	•								21	21		
7[illegible]			•	•	•	•	•	•	•	•								22	22	1	
6[illegible]		•	•	•	•	•	•	•	•									45	45	4	
6[illegible]		•	•	•	•	•	•	•	•	•								48	48	16	4
6[illegible]	•	•	•	•	•	•	•	•	•									71	71	19	14
6[illegible]	•	•	•	•	•	•	•	•	•									144	144	29	18
6[illegible]	•	•	•	•	•	•	•	•	•									115	115	52	31
[illegible]	•	•	•	•	•	•	•	•	•									176	176	76	37
[illegible]	•	•	•	•	•	•	•	•	•									185	185	118	45
[illegible]	•	•	•	•	•	•	•	•	•									235	235	155	107
[illegible]	•	•	•	•	•	•	•	•										228	228	247	145
[illegible]	•	•	•	•	•	•	•	•										192	192	228	144
[illegible]	•	•	•	•	•	•	•											158	158	200	154
67[illegible]	•	•	•	•	•	•												173	133	213	134
6[illegible]	•	•	•	•	•	•	•											126	129	221	174
[illegible]		•	•	•	•	•												70	70	169	139
[illegible]		•	•	•	•	•												71	71	139	146
[illegible]		•	•	•	•													18	18	120	121
[illegible]		•	•															18	18	7	179
[illegible]		•	•	•	•	•												12	12	53	103
[illegible]	•	•	•															5	5	22	115
[illegible]																				5	28
[illegible]																		1	1	7	56
[illegible]																					
[illegible]																					3
[illegible]																					
[illegible]																					1
[illegible]																					11
[illegible]																					5
[illegible]																					7

Element (X)	Σx^3	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

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

[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 DB	TOTAL WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																							

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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]			1.2	1.0	1.0		[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		12.1	1.3				[illegible]

PSYCHROMETRIC SUMMARY

STATION STATION NAME YEARS MONTH

HOURS (LST)

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
																		1	1		
																		4	4		
																		6	6		
																		11	11		
																		[illegible]	[illegible]		
																		31	31	6	
																		65	65	9	
																		81	81	14	4
																		124	124	17	1
																		110	110	27	1
																		167	167	43	1
																		169	169	85	2
																		182	182	117	20
																		240	240	151	48
																		241	241	200	50
																		233	233	262	87
																		171	171	319	124
																		150	150	269	219
																		93	93	243	167
																		12	12	215	191
																		13	23	175	168
																		12	12	65	18
																		17	19	37	237
																		4	4	13	141
																		2	2	2	168
																				1	5
																					4
																					3
																					26
																					11
																					14
																					16

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

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PSYCHROMETRIC SUMMARY

STATION [illegible] STATION NAME 73-[illegible] YEARS [illegible] 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 DB WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2197	[illegible]	2197	[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]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	2197	[illegible]	822.3					[illegible]

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PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH L

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 DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							.		.	.								4	4		
[illegible]							.	.	.	.2	.							1[illegible]	19		
[illegible]						.	.1	.1	.1	[illegible]	.							7[illegible]	75		
[illegible]					.	.1	.	.	.1	.5	.	.						1[illegible]2	1[illegible]2		
[illegible]				.	.1	.	.	.1	.1	.	.							3[illegible]1	[illegible]2		
[illegible]				.	.	.	.2	.1	.	.2	.							3[illegible]1	[illegible]2		
[illegible]		.	.	.		.	.	.	.	.3								4[illegible]7	4[illegible]7	[illegible]	
[illegible]		.1	.	1.1	.4	.4	.	.1	.1	.	.	.	.2					7[illegible]9	75[illegible]	1[illegible]	
7[illegible]		.	.	1.	.	.	.1	.1	.1	.	.	.						7[illegible]3	753	21[illegible]	1[illegible]
77	.	.	1.4	.	.	.	.	.	.1	.	.	.						10[illegible]3	1[illegible]44	7[illegible]	1[illegible]3
7[illegible]	.1	1.2	.	.7	.	.	.	.1	.1	.	.							101[illegible]	[illegible]014	1172	51[illegible]
7[illegible]	.	1.1	1.1	1.2	.	.	.4	.	.1	.	.	.						1[illegible]1[illegible]	1316	1114	1[illegible]97
7[illegible]	.	.	1.[illegible]	.	.5	.	.	.	.1	.1	.							[illegible]9[illegible]	[illegible]98	9[illegible]1	1[illegible]
6[illegible]	.	.	.	.	.	.	.	.	.1	.	.	.						131[illegible]	1[illegible]12	1[illegible]23	1[illegible]
6[illegible]	.	.	1.7	.	.	.	.	.	.1	.	.							1[illegible]	1[illegible]	1246	[illegible]
6[illegible]	.	.	.	.	.4	.	.2	.2	.1	.2								1[illegible]4[illegible]	1[illegible]47	12[illegible]1	[illegible]9[illegible]
6[illegible]	.	.	.	1.1	.	.	.	.	.1	.	.							13[illegible]3	1344	11[illegible]	125[illegible]
[illegible]	.1	.	.	.	.5	.2	.	.	.1	.0								[illegible]57	[illegible]57	111[illegible]	[illegible]
[illegible]	.	.	.	.	.	.	.4	.2	.	.3								10[illegible]2	1[illegible]	1[illegible]2	1[illegible]2[illegible]
[illegible]	.1	.	.	.	.	.4	.	.	.1	.2								[illegible]2	[illegible]62	9[illegible]	[illegible]
[illegible]	.	.	.	.	.	.	.	.	.	.								1113	1113	[illegible]	1[illegible]4[illegible]
[illegible]	.1	.	.6	.5	.	.	.	.1	.									[illegible]25	[illegible]26	[illegible]	[illegible]
[illegible]	.1	.	.	.	.7	.	.	.	.									[illegible]	[illegible]	861	[illegible]
[illegible]	.1	.	.	.5	.	.	.	.	.									[illegible]67	[illegible]67	841	66[illegible]
4[illegible]	.1	.	.	.7	.7	.	.	.1										[illegible]71	[illegible]32	[illegible]57	65[illegible]
4[illegible]	.	.	.	.	.	.2	.4	.1										114[illegible]	1149	97[illegible]	[illegible]
4[illegible]	.1	.	.	1.	.	.	.2	.										[illegible]77	[illegible]78	9[illegible]	617
4[illegible]	.	.	.	.	.	.	.											[illegible]69	[illegible]69	1013	7[illegible]
[illegible]	.	.4	.	.	.	.	.											6[illegible]	590	10[illegible]7	6[illegible]
[illegible]	.1	.	.7	1.	.	.												764	765	1014	[illegible]
3[illegible]	.1	.4	.	.	.	.												44	449	9[illegible]	6[illegible]
3[illegible]	.1	.2	.	.	.													[illegible]	4[illegible]	763	79[illegible]
3[illegible]	.	.2	.	.	.													2[illegible]	[illegible]07	669	697
[illegible]	.	.2	.	.	.													1[illegible]2	172	5[illegible]	674

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]	.	.2	.2	.1														1[illegible]	1[illegible]9	344	[illegible]
2[illegible]		.	.1	.														3[illegible]	36	218	5[illegible]
2[illegible]		.1	.	.														24	24	[illegible]2	6[illegible]
2[illegible]		.																4	4	[illegible]	[illegible]
1[illegible]		.																1	1	12	5[illegible]
1[illegible]																					41[illegible]
1																					[illegible]
1[illegible]																					[illegible]
1[illegible]																					1[illegible]
																					14[illegible]
																					[illegible]
[illegible]	.	[illegible]	1.[illegible]	1[illegible].4	[illegible].7	11.[illegible]	7.[illegible]	7.4	1.5	.5	.1	.	.					[illegible]	1[illegible]		[illegible]
																		[illegible]		1[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	1[illegible] 22[illegible]	[illegible]	[illegible]7.3	19.1[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]114	[illegible].1	1[illegible]. 4	[illegible]1		1[illegible].[illegible]	3346.[illegible]	2179.4	867.1	[illegible]	[illegible]76[illegible].
Wet Bulb	[illegible]	[illegible]1[illegible]	4[illegible].	14. 5[illegible]	[illegible]		[illegible].	2[illegible]4.1	1152.[illegible]	[illegible].[illegible]		[illegible].
Dew Point	[illegible]73	[illegible] 2	[illegible].	1[illegible].[illegible]	[illegible]	.	[illegible]3.	174[illegible].2	999.[illegible]	[illegible].4		[illegible]76[illegible].

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] ATSUGI, JAPAN 73-82

STATION STATION NAME YEARS

HRS LST		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	3[illegible].6	37.4	44.8	53.4	61.5	68.7	73.8	75.9	70.2	60.8	51.9	42.8	56.5
[illegible]	S.D.	5.315	5.771	6.341	6.392	4.910	4.767	4.493	4.132	4.924	5.429	6.731	5.921	14.323
	TOTAL OBS	178	162	175	176	182	181	181	180	178	214	209	213	2229
	MEAN	35.7	36.8	43.4	52.5	60.5	68.5	73.7	75.8	69.8	60.5	51.3	41.9	55.9
	S.D.	5.208	6.334	6.390	6.490	5.255	4.906	4.406	4.098	4.987	5.470	6.887	5.822	14.633
	TOTAL OBS	179	159	176	175	183	183	177	179	176	210	206	210	2213
	MEAN	33.4	34.6	41.0	50.1	58.5	66.6	71.8	74.0	67.6	57.7	48.2	38.4	53.5
	S.D.	5.624	6.492	6.659	6.860	5.369	4.660	4.815	4.038	5.070	5.509	7.277	6.268	15.173
	TOTAL OBS	236	270	299	283	296	270	298	294	288	298	291	294	3467
	MEAN	39.4	41.3	47.1	58.0	66.9	72.3	78.2	80.8	74.0	64.7	54.5	44.6	60.2
	S.D.	4.446	5.624	6.007	6.771	5.551	5.552	5.896	5.161	6.079	5.399	6.123	5.160	15.204
	TOTAL OBS	298	265	293	280	288	269	288	286	288	289	285	295	3414
	MEAN	46.7	46.8	52.1	61.7	70.1	75.1	81.0	84.1	76.9	68.6	59.8	51.8	64.7
1[illegible]	S.D.	5.557	5.697	7.017	7.266	6.329	6.164	6.752	5.802	7.135	6.395	6.783	5.826	14.255
	TOTAL OBS	296	268	296	282	289	283	294	302	289	301	296	299	3495
	MEAN	49.0	49.3	54.3	63.0	71.3	76.2	82.0	85.0	78.7	70.2	61.6	53.9	66.3
	S.D.	5.714	6.334	7.157	7.206	5.986	5.809	6.309	5.461	6.956	6.270	6.783	5.946	13.825
	TOTAL OBS	296	268	288	283	287	288	293	296	289	294	288	298	3468
	MEAN	42.8	44.4	49.9	59.0	66.8	72.3	77.6	80.2	73.9	65.0	55.9	47.4	61.3
1	S.D.	4.793	5.851	6.398	6.321	5.145	4.935	5.001	4.454	5.479	5.121	5.983	5.644	13.798
	TOTAL OBS	297	275	299	285	298	287	298	296	293	303	295	303	3529
	MEAN	39.8	41.7	47.4	57.0	64.3	70.7	75.7	78.3	72.5	63.1	53.7	45.0	59.3
1	S.D.	5.075	5.974	6.081	6.047	4.588	4.520	4.548	3.869	5.128	5.064	6.377	5.860	14.040
	TOTAL OBS	286	268	300	285	301	292	297	299	287	302	295	286	3495
	MEAN	41.0	42.0	47.7	57.2	65.4	71.6	77.0	79.6	73.3	64.1	54.9	46.0	60.1
ALL HOURS	S.D.	7.298	7.686	7.898	7.931	6.932	6.089	6.413	6.038	6.827	6.868	7.831	7.590	14.985
	TOTAL OBS	2106	1932	2126	2049	2124	2053	2126	2132	2088	2211	2165	2198	25310

2

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

47319 ATSUGI, JAPAN 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2	MEAN	32.1	32.9	40.3	48.8	57.6	65.5	70.7	72.4	66.7	57.0	47.8	38.3	52.5
	S. D.	5.299	5.958	6.656	6.949	5.605	4.641	4.173	3.709	5.096	5.900	7.210	5.858	14.853
	TOTAL OBS	178	162	175	176	182	181	181	180	178	213	209	213	2228
5	MEAN	31.5	32.7	39.3	48.3	57.3	65.6	71.2	72.8	66.9	57.0	47.7	37.7	52.3
	S. D.	5.235	6.507	6.585	7.169	5.730	4.855	4.318	3.830	5.164	6.216	7.223	5.919	15.210
	TOTAL OBS	179	159	176	175	183	183	177	179	176	210	206	210	2213
8	MEAN	29.7	31.1	36.4	46.6	55.1	64.0	69.4	71.3	64.9	54.6	45.1	34.7	50.3
	S. D.	5.457	6.856	6.916	7.347	5.911	4.783	4.589	3.774	5.254	6.016	7.604	6.009	15.647
	TOTAL OBS	266	269	299	283	296	270	298	299	288	298	291	293	3465
11	MEAN	33.7	35.6	40.7	51.1	59.5	66.9	72.5	74.3	68.0	58.3	48.8	38.9	54.0
	S. D.	4.723	6.315	6.311	6.854	5.394	4.606	4.524	3.731	5.334	5.662	6.786	5.312	15.072
	TOTAL OBS	288	264	293	280	287	269	288	286	288	288	285	295	3411
14	MEAN	37.5	38.2	43.1	52.9	60.3	67.5	72.9	74.7	68.4	59.6	50.9	42.4	55.8
	S. D.	5.341	5.599	6.020	6.452	5.174	4.565	4.614	3.577	5.162	5.451	6.407	5.342	13.965
	TOTAL OBS	296	268	296	281	289	283	294	302	288	301	295	299	3492
17	MEAN	39.6	40.5	45.4	54.5	61.7	68.6	74.1	75.9	69.9	60.9	52.5	44.2	57.4
	S. D.	5.340	5.716	6.023	6.227	5.007	4.245	4.478	3.412	5.112	5.302	6.408	5.427	13.598
	TOTAL OBS	296	268	288	283	287	288	293	295	289	294	288	298	3467
20	MEAN	36.2	37.9	43.3	52.6	59.9	66.9	72.3	74.1	68.2	59.1	49.7	40.8	55.1
	S. D.	5.070	6.045	6.070	6.211	4.869	4.031	4.123	3.232	4.927	5.357	6.668	5.870	14.056
	TOTAL OBS	297	273	299	285	298	287	298	296	293	303	295	303	3827
23	MEAN	34.3	36.6	42.1	52.0	59.7	67.0	72.3	74.1	68.3	58.7	48.9	39.8	54.7
	S. D.	5.348	6.569	6.450	6.528	5.194	4.033	4.177	3.413	5.061	5.692	7.116	6.080	14.656
	TOTAL OBS	286	265	300	285	301	292	297	299	287	302	295	286	3495
ALL HOURS	MEAN	34.7	36.0	41.5	51.1	59.0	66.6	72.0	73.8	67.7	58.2	49.0	39.7	54.2
	S. D.	6.081	6.888	6.895	7.148	5.695	4.634	4.591	3.818	5.325	5.962	7.229	6.369	14.757
	TOTAL OBS	2106	1928	2126	2048	2123	2053	2126	2131	2087	2209	2169	2197	25298

NAVWEASERVCOM

2

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] ATSUGI, JAPAN 73-82

STATION STATION NAME YEARS

HRS LST		JAN.	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	23.	24.7	33.9	43.8	54.4	63.5	69.1	70.8	64.7	53.9	47.4	31.6	48.2
	S. D.	[illegible].358	9.197	9.811	9.964	7.635	5.301	4.484	4.161	5.892	7.457	9.627	8.248	17.835
	TOTAL OBS	178	162	175	176	182	181	181	180	178	213	209	213	2228
	MEAN	23.5	25.2	33.4	43.4	54.6	63.7	69.8	71.2	65.0	54.0	43.6	31.4	48.3
	S. D.	9.185	9.474	9.230	10.260	7.264	5.654	4.554	4.183	5.894	7.860	9.369	8.435	18.032
	TOTAL OBS	179	159	176	175	183	183	177	179	176	210	206	210	2213
	MEAN	21.	24.	30.5	42.5	52.1	62.4	69.1	69.9	63.2	51.8	41.3	28.4	46.5
	S. D.	9.281	10.193	9.774	9.710	7.755	5.477	4.854	4.003	5.923	7.520	9.510	8.251	18.405
	TOTAL OBS	286	269	299	283	296	270	298	294	288	298	291	293	3465
	MEAN	23.6	25.8	31.2	43.7	53.6	63.6	69.7	71.3	64.6	53.1	42.4	30.3	47.8
	S. D.	9.555	10.726	10.894	10.609	8.147	5.620	4.806	4.117	6.401	8.022	9.917	8.346	18.597
	TOTAL OBS	288	264	293	280	287	269	288	286	288	288	285	295	3411
1	MEAN	22.3	24.0	30.7	44.2	52.8	63.0	69.0	70.4	63.6	52.5	41.5	29.4	47.1
	S. D.	10.611	11.338	10.984	10.575	8.357	5.632	4.924	4.350	6.396	8.496	10.337	9.720	18.935
	TOTAL OBS	296	268	296	281	289	283	294	302	288	301	295	299	3492
	MEAN	25.0	27.3	34.2	46.6	54.6	64.3	70.3	71.8	65.0	53.9	43.2	31.4	49.1
	S. D.	10.381	11.049	10.279	9.746	7.982	5.251	4.913	4.156	6.351	8.183	10.290	9.982	18.286
	TOTAL OBS	296	268	288	283	287	288	293	295	289	294	288	298	3467
	MEAN	25.0	27.4	34.6	46.4	54.6	63.8	69.7	71.2	64.9	54.4	42.9	31.6	48.9
	S. D.	9.421	10.714	9.930	9.720	7.318	4.787	4.659	3.900	6.066	7.704	10.086	9.615	17.892
	TOTAL OBS	297	273	299	285	298	287	298	296	293	303	295	303	3527
1	MEAN	24.9	28.2	34.9	47.0	55.9	64.8	70.7	72.2	65.8	55.2	43.7	32.5	49.9
	S. D.	8.779	10.650	10.169	9.710	7.448	4.675	4.598	3.978	5.914	7.618	10.025	8.830	17.963
	TOTAL OBS	286	265	300	285	301	292	297	299	287	302	295	286	3495
ALL HOURS	MEAN	23.8	25.9	32.8	44.8	54.1	63.7	69.6	71.1	64.6	53.6	42.7	30.8	48.2
	S. D.	9.268	10.656	10.353	10.146	7.846	5.328	4.804	4.159	6.172	7.937	9.955	9.088	18.307
	TOTAL OBS	2106	1928	2126	2048	2123	2053	2126	2131	2087	2209	2169	2197	25298

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47719 ATSUGI, JAPAN | 73-82 | JAN

STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	[illegible]	100.0	100.0	99.4	92.1	72.5	48.9	25.3	14.0	6.7	61.3	178
	[illegible]	100.0	100.0	100.0	92.7	76.5	52.5	26.3	14.5	6.7	62.7	179
	[illegible]	100.0	100.0	99.7	93.4	78.0	57.0	31.5	17.5	7.7	64.0	296
	[illegible]	100.0	100.0	96.5	80.6	55.9	30.9	16.7	10.1	3.5	55.0	298
	12	100.0	93.9	70.9	39.5	20.3	12.2	9.1	6.4	2.4	41.0	296
	15	100.0	93.2	74.3	44.9	20.3	13.2	8.8	5.4	3.0	41.8	296
	18	100.0	99.7	95.6	70.4	43.8	23.9	13.5	8.4	3.7	51.3	297
	21	100.0	100.0	98.6	85.3	59.1	35.0	18.5	9.1	4.5	57.0	286
TOTALS		100.0	98.4	91.9	74.9	53.3	34.2	18.7	10.7	4.8	54.3	2196

OCEANAV-SMOS

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47918 ATSUGI, JAPAN 73-82 FEB

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	100.0	93.8	70.4	48.1	24.1	16.7	9.3	61.7	162
	03	100.0	100.0	99.4	96.2	81.8	59.1	26.4	17.6	5.0	64.2	159
	06	100.0	100.0	99.6	95.5	84.8	61.0	34.2	21.9	12.3	66.6	269
	09	100.0	99.6	95.1	80.7	54.2	33.3	19.3	14.8	7.2	56.3	264
	12	100.0	95.9	69.8	42.9	25.4	19.8	14.6	9.3	4.9	44.2	268
	15	100.0	95.9	78.7	54.1	26.5	20.5	16.8	10.4	4.9	46.1	268
	18	100.0	99.6	92.7	70.0	50.5	30.0	19.8	13.9	6.6	53.9	273
	21	100.0	100.0	99.6	83.8	61.5	47.2	32.1	17.0	9.8	61.0	265
TOTALS		100.0	98.9	91.9	77.1	56.9	39.9	23.4	15.2	7.5	56.8	1928

2 NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47819 ATSUGI, JAPAN 72-92 MAR

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	100.0	92.6	80.6	62.9	42.9	28.6	13.7	67.4	175
	03	100.0	100.0	100.0	96.6	85.2	66.5	46.0	30.7	10.8	69.3	176
	06	100.0	100.0	99.7	97.3	86.0	73.2	50.5	31.1	13.4	70.4	299
	09	100.0	99.0	94.2	76.1	56.3	39.2	25.6	15.7	6.5	57.0	293
	12	100.0	95.6	77.4	54.7	37.5	22.6	16.6	10.1	6.1	47.7	296
	15	100.0	97.9	85.4	60.4	38.9	27.4	18.8	11.8	6.6	50.2	288
	18	100.0	100.0	94.6	79.3	60.9	42.5	27.1	16.7	7.4	58.4	299
	21	100.0	100.0	98.7	88.0	73.0	57.3	37.7	21.7	11.3	64.1	300
TOTALS		100.0	99.1	93.8	80.6	64.8	49.0	33.2	20.8	9.5	60.6	2126

OCEANAV-3MOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47339 ATSUGI, JAPAN 73-82 APR

STATION NUMBER STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	03	100.0	100.0	99.4	96.0	84.1	75.0	59.1	33.5	17.6	71.8	176
	09	100.0	100.0	99.4	95.4	87.4	76.6	61.1	36.6	17.7	72.9	175
	09	100.0	100.0	99.6	98.6	93.6	83.4	65.4	45.9	23.0	76.5	283
	12	100.0	99.6	94.3	83.6	68.6	51.8	35.0	21.8	8.2	61.9	280
	15	100.0	98.6	90.0	74.0	58.7	38.1	23.8	17.1	8.5	56.3	281
	15	100.0	99.3	92.2	79.5	62.2	43.5	28.3	17.3	8.5	58.4	283
	18	100.0	98.9	95.8	90.2	79.6	63.5	44.2	22.1	9.1	65.8	285
	21	100.0	100.0	98.6	93.3	84.9	74.4	60.4	34.7	12.6	71.2	285
TOTALS		100.0	99.6	96.2	88.8	77.4	63.3	47.2	28.6	13.2	66.9	2088

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47319 ATSUGI, JAPAN 73-92 MAY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	97.8	94.0	90.7	78.0	47.8	17.0	78.4	182
	03	100.0	100.0	100.0	99.5	97.3	94.0	86.9	58.5	23.0	81.6	193
	06	100.0	100.0	100.0	98.3	96.3	91.6	84.1	51.7	24.0	80.4	296
	09	100.0	100.0	98.3	92.0	81.9	55.1	31.0	18.5	11.1	64.4	287
	12	100.0	99.7	95.5	82.0	59.5	37.7	21.9	14.2	9.7	57.2	289
	15	100.0	99.3	95.5	84.0	63.8	42.5	22.3	11.1	6.6	58.0	287
	18	100.0	100.0	97.7	93.6	85.9	64.1	40.3	17.4	7.7	66.6	298
	21	100.0	100.0	99.7	96.0	93.4	86.7	67.8	40.9	14.6	75.4	301
TOTALS		100.0	99.9	98.3	92.9	84.0	70.3	54.0	32.5	14.2	70.3	2123

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47319 ATSUGI, JAPAN 73-82 JUN

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	99.4	98.3	92.3	64.1	26.5	83.7	181
	03	100.0	100.0	100.0	100.0	98.9	97.8	91.3	73.2	26.8	85.0	183
	06	100.0	100.0	100.0	100.0	100.0	98.5	94.4	76.7	38.9	86.5	270
	09	100.0	100.0	99.6	99.3	97.4	87.4	61.3	35.3	14.1	75.0	269
	12	100.0	100.0	99.6	98.2	89.8	64.3	38.9	19.8	5.7	67.3	283
	15	100.0	100.0	100.0	99.0	91.7	66.7	39.9	18.4	5.6	67.8	288
	18	100.0	100.0	100.0	100.0	97.9	89.5	66.6	34.1	11.8	75.4	287
	21	100.0	100.0	100.0	100.0	98.6	96.9	88.7	63.7	17.5	82.0	292
TOTALS		100.0	100.0	99.9	99.6	96.7	87.4	71.7	48.2	18.5	77.8	2053

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47719 ATSUGI, JAPAN 73-82 JUL

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	03	100.0	100.0	100.0	100.0	99.4	98.9	97.8	76.2	29.3	85.5	181
	09	100.0	100.0	100.0	100.0	100.0	99.4	99.4	85.3	33.3	87.4	177
	15	100.0	100.0	100.0	100.0	100.0	99.3	98.3	88.3	37.6	88.2	298
	09	100.0	100.0	100.0	100.0	100.0	94.1	63.9	30.2	12.2	75.7	288
	12	100.0	100.0	100.0	99.7	98.6	72.4	32.0	18.4	7.1	67.9	294
	15	100.0	100.0	100.0	100.0	95.6	73.4	34.8	16.7	7.2	68.5	293
	18	100.0	100.0	100.0	100.0	99.3	93.3	75.2	33.6	10.7	77.0	298
	21	100.0	100.0	100.0	100.0	99.3	99.3	94.9	69.0	25.6	84.6	297
TOTALS		100.0	100.0	100.0	100.0	98.5	91.3	74.5	52.2	20.4	79.8	2126

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47919 ATSUGI, JAPAN 73-92 AUG

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	98.9	97.2	95.6	68.9	21.7	84.3	180
	07	100.0	100.0	100.0	100.0	99.4	98.9	97.2	78.8	28.5	85.8	179
	16	100.0	100.0	100.0	100.0	100.0	99.7	98.6	83.0	29.3	86.9	294
	00	100.0	100.0	100.0	100.0	99.3	91.3	52.8	23.8	6.0	73.6	286
	10	100.0	100.0	100.0	98.0	90.4	54.3	26.2	16.6	7.0	64.5	302
	13	100.0	100.0	100.0	99.0	90.8	62.4	27.8	15.6	5.8	65.5	295
	16	100.0	100.0	99.7	99.7	99.0	89.2	63.2	28.4	9.1	74.6	296
	21	100.0	100.0	100.0	100.0	99.3	97.0	89.3	58.9	16.1	81.8	299
TOTALS		100.0	100.0	100.0	99.6	97.1	86.3	68.8	46.8	15.2	77.1	2131

2 NAVAL WEATHER SERVICE DETACHMENT
ATHENS, NORTH CAROLINA

RELATIVE HUMIDITY

47818 ATSUGI, JAPAN 73-82 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	100.0	97.8	91.0	62.4	27.0	82.9	178
	03	100.0	100.0	100.0	100.0	99.4	98.9	92.6	70.5	26.1	84.9	176
	06	100.0	100.0	100.0	100.0	99.7	99.3	96.9	78.8	29.2	86.0	288
	09	100.0	100.0	100.0	99.7	94.8	84.7	58.0	31.6	11.8	73.5	298
	12	100.0	100.0	99.7	96.2	83.0	56.6	32.3	20.8	9.7	65.4	288
	15	100.0	100.0	99.7	97.6	82.0	53.3	32.5	19.0	6.9	64.7	289
	18	100.0	100.0	100.0	99.3	96.6	84.3	63.1	33.1	12.3	74.5	293
	21	100.0	100.0	100.0	100.0	99.3	94.8	82.2	49.5	19.5	79.9	287
TOTALS		100.0	100.0	99.9	99.1	94.4	83.7	68.6	45.7	17.3	76.5	2087

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

43319 ATSUGI, JAPAN 73-82 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00	100.0	100.0	100.0	100.0	97.7	90.1	78.9	42.3	16.4	78.5	213
	03	100.0	100.0	100.0	100.0	98.1	92.9	81.4	47.1	20.0	79.9	210
	06	100.0	100.0	99.7	99.7	98.7	93.3	84.9	57.4	25.5	81.2	298
	09	100.0	100.0	100.0	96.9	87.5	67.7	36.8	20.5	10.1	67.4	298
	12	100.0	100.0	96.3	83.4	62.8	40.2	25.9	16.3	10.6	58.9	301
	15	100.0	99.7	97.3	83.7	64.6	38.8	24.8	13.9	7.1	58.7	294
	18	100.0	100.0	99.7	97.7	88.8	74.6	47.9	25.4	11.9	70.0	303
	21	100.0	100.0	100.0	100.0	94.7	85.8	72.5	36.8	16.2	76.1	302
TOTALS		100.0	100.0	99.1	95.2	86.6	72.9	56.6	32.5	14.7	71.3	2209

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47318 ATSUGI, JAPAN 73-82 NOV

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00	100.0	100.0	100.0	99.5	92.8	78.9	64.1	34.0	15.8	73.8	209
	03	100.0	100.0	100.0	99.0	93.2	85.4	70.4	42.7	17.5	76.0	206
	06	100.0	100.0	100.0	99.7	95.2	88.0	70.8	46.4	20.3	77.7	291
	09	100.0	100.0	100.0	93.0	78.2	58.6	40.0	18.6	10.9	65.4	285
	12	100.0	99.7	93.6	71.9	48.8	28.5	19.0	12.5	7.8	53.6	295
	15	100.0	99.3	94.4	71.9	49.7	27.1	18.4	13.5	6.9	53.7	288
	18	100.0	100.0	98.6	90.5	75.9	57.6	34.6	18.3	7.1	63.7	295
	21	100.0	100.0	100.0	97.6	86.1	71.9	54.6	29.5	11.5	70.3	295
TOTALS		100.0	99.8	98.3	90.4	77.5	62.0	46.5	26.9	12.2	66.8	2164

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

43319 ATSUGI, JAPAN — 73-82 — DEC

STATION — STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00	100.0	100.0	100.0	97.2	85.9	62.4	35.7	13.6	3.3	55.5	213
	03	100.0	100.0	99.0	97.1	86.2	69.5	41.0	17.6	3.8	67.3	210
	06	100.0	100.0	99.3	96.9	88.1	72.7	40.3	22.2	5.8	68.4	293
	09	100.0	100.0	98.6	87.8	71.2	42.0	18.6	8.5	2.4	58.6	295
	12	100.0	97.3	83.3	53.8	27.8	13.0	8.0	5.0	2.7	44.6	299
	15	100.0	96.0	83.9	53.7	25.8	14.8	9.4	4.7	2.3	44.8	298
	18	100.0	99.7	96.0	84.2	59.1	34.3	17.5	7.3	4.6	56.1	303
	21	100.0	100.0	99.3	96.5	76.2	53.1	28.3	11.9	5.6	62.7	286
TOTALS		100.0	99.1	94.9	83.4	65.0	45.2	24.9	11.4	3.8	58.5	2197

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

47319 ATSUGI, JAPAN 73-82 ALL

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	98.4	91.9	74.9	53.3	34.2	18.7	10.7	4.8	54.3	2106
FEB		100.0	98.9	91.9	77.1	56.9	39.9	23.4	15.2	7.5	56.8	1928
MAR		100.0	99.1	93.8	80.6	64.8	49.0	33.2	20.8	9.5	60.6	2126
APR		100.0	99.6	96.2	88.8	77.4	63.3	47.2	28.6	13.2	66.9	2048
MAY		100.0	99.9	98.3	92.9	84.0	70.3	54.0	32.5	14.2	70.3	2123
JUN		100.0	100.0	99.9	99.6	96.7	87.4	71.7	48.2	18.5	77.8	2053
JUL		100.0	100.0	100.0	100.0	98.5	91.3	74.5	52.2	20.4	79.4	2126
AUG		100.0	100.0	100.0	99.6	97.1	86.3	68.8	46.8	15.2	77.1	2131
SEP		100.0	100.0	99.9	99.1	94.4	83.7	68.6	45.7	17.3	76.5	2087
OCT		100.0	100.0	99.1	95.2	86.6	72.9	56.6	32.5	14.7	71.3	2239
NOV		100.0	99.8	98.3	90.4	77.5	62.0	46.5	26.9	12.2	66.8	2164
DEC		100.0	99.1	94.9	83.4	65.0	45.2	24.9	11.4	3.8	58.5	2197
TOTALS		100.0	99.6	97.0	90.1	79.4	65.5	49.0	31.0	12.6	68.0	25298

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

SCOTT AFB, JANUARY 1973-DECEMBER 1982, JANUARY

WIND DIRECTION

	1.3			7.1	28.6	42.9	7.1			14	.7
	5.7	11.4	4.6	2.9	48.6	20.0	2.9			35	1.7
	16.	17.9	8.4	7.4	21.1	18.9	5.3		4.2	95	4.6
	24.	21.3	6.0	6.6	19.3	13.6	3.7	1.3	3.7	301	14.6
	34.	25.3	6.4	4.6	7.8	6.5	4.2	3.0	5.5	474	23.0
	.1	22.7	4.7	1.2	2.1	2.3	4.2	4.4	6.3	569	27.6
	1.6	22.9	3.8	.5	.5	2.5	2.3	4.5	12.1	397	19.3
	43.7	22.2	1.9		1.3		3.2	3.8	24.1	159	7.7
	.0	16.7						11.1	22.2	18	.9
	100.0									1	.0
TOTALS	40.1	22.3	5.4	2.9	7.4	6.1	3.7	3.3	8.6	2062	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

JANUARY 1973-DECEMBER 1982 FEBRUARY

WIND DIRECTION

	13.3					13.3	33.3				3	.2
	7.7			7.7	23.1	61.5					13	.7
		8.7	4.3	4.3	34.8	30.4	2.2		4.3		46	2.5
	.3	12.4	11.5	6.8	29.3	21.8	3.8		6.8		133	7.1
	.9	22.0	9.9	4.1	18.5	9.9	2.2	2.2	5.7		314	16.8
	1.2	21.5	6.0	2.8	7.3	6.1	3.0	3.7	4.3		461	24.7
	.6	24.3	1.8	1.9	3.3	3.8	3.1	5.3	6.0		449	24.0
	.6	25.2	.6	1.9	.6	1.9	1.3	5.2	5.5		309	16.5
	45.1	23.9	.9	.9	.9	3.5	3.5	6.2	15.0		113	6.0
	57.7	11.5	3.8		3.9	3.8		11.5	7.7		26	1.4
									100.0		2	.1
TOTALS	40.7	21.7	5.1	2.7	9.5	7.4	2.7	4.7	6.1		1869	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] SU[illegible], JAPAN — JANUARY 1973–DECEMBER 1982 — MARCH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]	33.3	33.3				33.3				3	.1
[illegible]		5.3	5.3		26.3	47.4	15.8			19	.9
[illegible]	3.9	8.9	6.7	5.6	34.4	28.9	4.4	1.1	1.1	90	4.3
[illegible]	5.3	8.8	5.9	7.1	37.6	27.6	2.9	1.2	3.5	170	8.1
[illegible]	1[illegible].2	17.[illegible]	9.4	7.2	22.7	13.9	6.1	1.2	3.6	330	15.8
[illegible]	3[illegible].6	24.7	9.9	7.4	10.1	9.5	3.0	1.3	3.6	474	22.7
[illegible]	50.7	24.8	6.2	2.8	3.7	3.5	1.6	2.1	4.6	568	27.2
[illegible]	62.3	20.9	4.8	.3	1.4	.3	.7	3.4	5.8	292	14.0
[illegible]	67.8	16.5	1.7	.3	.9			5.2	7.0	115	5.5
[illegible]	40.0	16.0	4.0	4.0		4.0		16.0	16.0	25	1.2
[illegible]	50.0	25.0	25.0							4	.2
[illegible]	100.0									1	.0
TOTALS	37.5	20.3	7.1	4.6	11.9	9.4	2.7	2.2	4.4	2091	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

SUBIC, JA AB JANUARY 1973-DECEMBER 1982 APRIL

WIND DIRECTION

TEMP	NNE & N	ENE & NE	ESE & E	SSE & SE	SSW & S	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
84 TO 86				50.0	25.0	25.0			8	.2
80 TO 83	4.5	1.5	3.0	1.5	42.4	47.0			66	3.2
76 TO 79	3.8	8.6	5.9	4.9	36.8	36.8	2.7	.5	185	9.1
72 TO 75	7.0	7.5	6.2	3.4	42.7	26.4	1.8	2.8	386	19.0
68 TO 71	15.1	12.0	10.0	4.7	28.8	18.2	2.7	6.4	451	22.2
64 TO 67	35.5	20.1	7.0	3.5	15.0	8.9	1.6	5.6	428	21.0
60 TO 63	43.7	27.3	8.0	.3	3.0	4.0	.3	5.0	300	14.7
56 TO 59	56.6	23.1	5.2	.6		1.7	.6	7.5	173	8.5
52 TO 55	72.2	11.1			2.8			11.1	36	1.8
48 TO 51	20.0	20.0			20.0			40.0	5	.2
44 TO 47										
40 TO 43										
36 TO 39										
32 TO 35										
28 TO 31										
24 TO 27										
20 TO 23										
16 TO 19										
12 TO 15										
8 TO 11										
4 TO 7										
0 TO 3										
-4 TO -1										
-8 TO -5										
-12 TO -9										
-16 TO -13										
-20 TO -17										
-24 TO -21										
-28 TO -25										
-32 TO -29										
-36 TO -33										
-40 TO -37										
-44 TO -41										
-48 TO -45										
-52 TO -49										
-56 TO -53										
-60 & LWR										
TOTALS	26.2	15.4	7.1	3.0	23.0	16.6	1.7	2.2	4.9	2034	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

UCI, JAPAN JANUARY 1973-DECEMBER 1982 MAY

WIND DIRECTION

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SSE & S	[illegible] SW	[illegible]	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]		5.3	10.5	10.5	63.2	10.5				19	.9
[illegible]	5.[illegible]	6.0	8.3	1.2	57.1	16.7	1.2		3.6	84	4.0
[illegible]	4.3	7.[illegible]	5.3	4.3	53.0	22.5	2.0	.7	1.0	302	14.5
[illegible]	9.3	9.9	6.4	5.2	44.5	17.6	2.7	1.2	4.3	517	24.8
[illegible]	22.[illegible]	11.[illegible]	3.5	4.6	28.8	15.[illegible]	2.3	2.5	8.7	565	27.1
[illegible]	3[illegible].5	17.3	5.7	2.7	8.9	6.5	2.2	6.2	12.1	371	17.8
[illegible]	53.[illegible]	21.7	1.7	1.1	1.1	2.8	.6	5.6	11.7	180	8.6
[illegible]	71.7	6.5					2.2	4.3	15.2	46	2.2
[illegible]	[illegible]3.3								66.7	3	.1
TOTALS	22.1	12.[illegible]	4.9	3.9	31.0	13.9	2.1	2.7	7.3	2087	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

[illegible] JAPAN — JANUARY 1973–DECEMBER 1982 — JUNE

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]					100.0					1	.0
[illegible]			7.7		53.8	38.5				13	.6
[illegible]	.[illegible]	4.7	5.7	4.7	50.9	31.1	1.9			106	5.2
[illegible]	[illegible].3	4.6	7.5	6.2	49.7	[illegible]6.8	1.0	.3	1.6	306	15.1
[illegible]	[illegible].8	11.9	7.6	4.6	39.9	17.6	2.0	1.2	5.5	564	27.8
[illegible]	24.9	17.7	9.7	3.3	22.9	10.3	1.5	2.6	7.2	611	30.1
62 TO 66	4[illegible].5	20.6	6.5	1.5	4.7	4.4	1.2	2.9	9.7	340	16.7
[illegible]	5[illegible].8	24.7	4.7	2.4				2.4	7.1	85	4.2
52 TO 56	16.7	50.0	16.7						16.7	6	.3
TOTALS	[illegible]1.2	14.2	7.8	3.8	29.3	14.6	1.4	1.8	5.9	2032	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] SUGI, JAPAN — JANUARY 1973-DECEMBER 1982 — JULY

WIND DIRECTION

TEMP	NNE & N	ENE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]	8.3	5.3		8.3	50.0	8.3	8.3		8.3	12	.6
[illegible]	.6	5.2	7.8	5.3	50.6	27.9	1.3		.6	154	7.4
[illegible]	3.5	5.4	6.5	3.8	45.1	31.1	1.1	.3	3.2	370	17.8
[illegible]	9.0	8.1	7.1	2.3	37.5	22.6	2.1	.7	10.6	566	27.3
[illegible]	13.6	15.0	10.0	3.2	24.5	10.5	2.3	1.8	14.1	560	27.0
[illegible]	31.5	22.4	8.8	2.6	8.4	5.5	1.0	3.6	16.2	309	14.8
[illegible]	1.6	33.0	4.4	2.2	1.1		1.1	2.2	4.4	91	4.4
[illegible]	100.0									12	.6
[illegible]	100.0									3	.1
TOTALS	15.8	12.4	7.9	3.1	30.2	17.5	1.7	1.3	10.0	2076	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible], JA AN · JANUARY 1973-DECEMBER 1982 · AUGUST

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]	6.[illegible]	6.9		6.[illegible]	41.4	31.0	[illegible].9			[illegible]	1.4
[illegible]	1.7	5.4	7.1	3.4	45.3	33.9	1.7	.3	1.4	296	14.3
[illegible]	6.[illegible]	9.6	[illegible].4	3.8	40.2	28.4	.9	.4	3.4	468	22.5
[illegible]	13.[illegible]	8.9	[illegible].9	2.[illegible]	36.3	20.2	1.9	1.3	8.6	64[illegible]	30.8
[illegible]	3[illegible].6	16.3	4.6	2.4	1[illegible].2	6.1	1.7	5.9	16.1	459	22.1
[illegible]	6.7	24.7	2.0	1.3					5.3	150	7.2
[illegible]	2.9	17.1								3[illegible]	1.7
TOTALS	2[illegible].4	11.5	5.7	2.8	29.5	19.2	1.5	1.8	7.6	2077	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] SUR[illegible], JA[illegible]AN JA[illegible]UARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]	2.[illegible]	6.3	[illegible].9	5.1	41.8	34.2	1.3			79	3.[illegible]
82 [illegible] 86	3.9	11.2	9.5	2.8	38.0	30.7		1.1	2.6	179	8.6
[illegible]	7.7	13.2	10.7	4.7	31.6	26.1	1.7	1.0	3.2	402	19.4
[illegible]	[illegible]1.2	18.2	9.4	5.6	14.3	10.3	2.1	2.6	6.2	532	25.7
[illegible]	5[illegible].9	16.9	4.7	1.4	3.1	2.8	1.6	1.0	9.6	50[illegible]	24.5
[illegible] 66	[illegible]5.6	16.1	.6	.6	.6		.3	1.9	4.1	316	15.3
[illegible]	5.1	10.[illegible]					2.1	2.1		47	2.3
[illegible]	5.7							14.3		7	.3
TOTALS	38.2	15.3	6.9	3.2	15.6	12.4	1.4	1.6	3.5	2070	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible], JAPAN — JANUARY 1973-DECEMBER 1982 — OCTOBER

WIND DIRECTION

	SW & WSW	WSW & W	W & WNW	WNW & NW	NW & NNW	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
				100.0						1	.0
						100.0				1	.0
		9.1	27.3		9.1	54.5				11	.5
	6.8	26.3	9.6	11.3	23.3	21.9	1.4			73	3.4
	16.7	27.2	11.3	5.0	20.1	15.9	2.1	.4	1.3	239	11.1
	27.5	28.1	8.6	4.4	10.7	11.8	1.2	.9	4.9	431	19.8
	4.6	19.8	5.4	1.3	3.8	5.8	2.2	2.4	4.6	626	28.7
	2.5	20.8	2.2	1.0	1.0	2.0	1.4	3.8	5.4	504	23.1
	2.3	19.3	1.3		.4	3.9	2.2	6.6	3.9	228	10.5
	70.6	7.8	5.9				2.0	7.8	5.9	51	2.3
	57.1	7.1			7.1			14.3	14.3	14	.6
TOTALS	46.6	22.2	5.7	2.4	6.6	7.7	1.7	2.8	4.3	2179	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible], JAPAN — JANUARY 1973-DECEMBER 1982 — NOVEMBER

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
[illegible]					16.7	83.3				6	.3
[illegible]	2.6	13.2	7.9	7.9	28.9	36.8	2.6			38	1.8
[illegible]	[illegible]	20.0	9.5	5.7	23.8	30.5	4.8		2.9	105	4.9
[illegible]	17.1	24.2	[illegible]	5.1	12.5	16.8	1.2	1.6	1[illegible].2	256	12.0
[illegible]	47.0	20.6	5.8	3.4	7.4	7.4	1.9	2.2	4.3	417	19.6
[illegible]	4.3	23.[illegible]	4.0	2.0	3.3	3.3	1.3	2.8	5.8	600	28.2
[illegible]	37.2	22.5	3.1	.5	1.3	2.1	.8	4.7	5.9	387	18.2
[illegible]	5.4	18.8	1.3	.4	1.7	1.7	1.7	3.[illegible]	6.0	234	11.0
[illegible]	13.5	10.3		1.5		4.4	1.5	2.9	5.9	68	3.2
[illegible]	31.3	18.8					6.3	31.3	12.5	16	.8
[illegible]	100.0									1	.0
TOTALS	47.6	21.3	4.7	2.4	6.1	7.5	1.6	2.9	5.9	2128	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
							100.0			1	.0
		36.4			36.4	27.3				11	.5
		14.3	21.4		31.0	31.0	2.4			42	2.0
	2.5	18.4	17.0	3.4	15.6	28.6	2.7	.7	4.1	147	6.8
	21.4	24.0	8.2	5.3	12.5	12.8	3.6	3.6	6.6	304	14.2
	34.0	22.0	8.4	3.7	8.2	6.3	3.7	4.2	9.4	427	19.9
	21.5	21.2	5.0	1.3	1.9	3.1	3.2	4.7	7.9	619	28.8
	2.5	24.3	1.7	.5	1.4	2.7	1.4	5.1	10.4	415	19.3
	50.7	18.2	2.0		.7	3.4	5.4	8.1	11.5	148	6.9
	1.4	10.3	6.9			10.3	10.3	3.4	17.2	29	1.4
	1.0	16.7						33.3		6	.3
TOTALS	20.9	21.7	6.4	2.2	6.1	7.5	3.3	4.4	8.4	2148	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

[illegible] JAPAN — JANUARY 1973-DECEMBER 1982 — ALL

WIND DIRECTION

TEMP	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
	7.	7.		9.3	44.2	23.3	7.0		2.3	43	.2
	1.	9.3	7.6	4.2	46.4	32.4	1.5	.2	.9	543	2.2
	4.	8.0	7.1	3.	42.5	29.8	.9	.4	2.9	1153	4.6
	.9	9.3	7.9	3.7	38.0	23.1	1.8	.6	6.5	2081	8.4
	.9	15.1	7.9	4.1	26.5	14.2	2.3	2.2	8.1	2764	11.1
	.1	18.3	7.2	3.4	19.7	12.3	1.9	1.5	7.3	2848	11.5
	.5	16.3	5.2	2.7	16.4	12.1	1.8	2.0	6.3	2774	11.2
	.4	16.6	6.3	3.3	14.0	11.2	2.1	2.9	6.1	2285	9.2
	.2	25.4	6.0	3.5	11.2	8.8	2.7	3.0	5.8	2314	9.3
	.6	22.6	7.4	3.8	9.3	7.1	2.3	3.0	5.8	2300	9.3
	.7	22.6	6.1	2.4	4.6	4.1	2.7	3.5	6.3	2545	10.2
	4.	22.5	3.1	1.0	2.1	2.5	2.6	4.5	7.8	1829	7.4
	5.1	22.1	1.9	.6	.7	2.1	2.2	5.8	9.5	990	4.0
	3.	21.2	2.1	.6	.9	2.5	3.7	5.5	19.6	326	1.3
	3.7	14.8	3.7		1.9	1.9		13.	11.1	54	.2
	.0								0.0	4	.0
TOTALS	23.1	17.6	6.2	3.1	17.1	11.6	2.1	2.6	6.6	24853	100.0

NAVWEASERVCOM

Asheville, N. C.

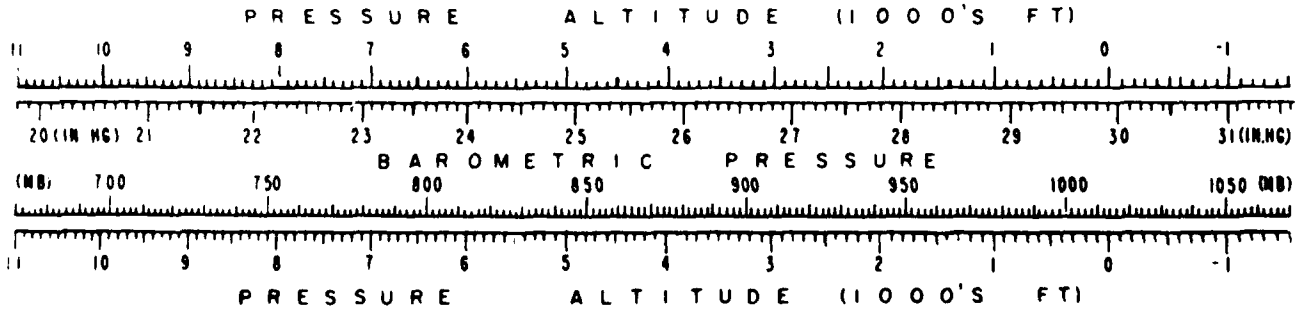
PART F PRESSURE SUMMARY

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 months 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

2

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

47313 ATSUGI, JAPAN 73-82

STATION STATION NAME YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	29.719	29.731	29.750	29.725	29.651	29.607	29.601	29.582	29.701	29.780	29.849	29.794	29.711
0	S. D.	.166	.180	.234	.216	.195	.146	.112	.147	.153	.224	.216	.216	.207
	TOTAL OBS	178	162	175	176	182	181	181	180	178	213	209	213	2228
	MEAN	29.713	29.731	29.750	29.722	29.642	29.593	29.592	29.567	29.688	29.765	29.835	29.800	29.703
	S. D.	.193	.183	.228	.216	.196	.146	.116	.154	.150	.224	.222	.213	.208
	TOTAL OBS	179	157	176	174	183	182	176	179	176	210	206	210	2208
	MEAN	29.720	29.748	29.766	29.743	29.673	29.598	29.617	29.604	29.701	29.793	29.838	29.804	29.717
	S. D.	.191	.201	.226	.213	.196	.144	.116	.147	.144	.207	.223	.212	.203
	TOTAL OBS	269	246	272	256	268	268	297	296	298	298	292	299	3347
	MEAN	29.749	29.765	29.795	29.757	29.681	29.608	29.626	29.614	29.707	29.826	29.868	29.843	29.737
	S. D.	.196	.207	.226	.224	.203	.156	.113	.138	.145	.212	.228	.212	.210
	TOTAL OBS	264	241	265	251	264	268	288	286	288	288	285	295	3283
	MEAN	29.693	29.732	29.749	29.722	29.655	29.590	29.608	29.594	29.687	29.775	29.821	29.782	29.701
1	S. D.	.198	.200	.224	.219	.198	.150	.112	.132	.144	.207	.229	.212	.202
	TOTAL OBS	272	247	270	258	266	283	293	301	290	300	296	299	3375
	MEAN	29.668	29.682	29.693	29.685	29.617	29.566	29.584	29.569	29.663	29.747	29.792	29.755	29.668
	S. D.	.198	.198	.223	.218	.192	.148	.111	.134	.144	.200	.224	.210	.199
	TOTAL OBS	272	245	258	259	265	287	293	295	289	293	288	298	3342
	MEAN	29.702	29.714	29.721	29.690	29.628	29.570	29.586	29.577	29.678	29.771	29.826	29.781	29.687
	S. D.	.193	.198	.220	.214	.192	.148	.112	.132	.142	.209	.222	.213	.203
	TOTAL OBS	271	251	275	265	271	289	296	297	293	301	295	304	3403
	MEAN	29.721	29.743	29.766	29.736	29.665	29.602	29.619	29.610	29.706	29.802	29.852	29.797	29.718
1	S. D.	.194	.199	.218	.210	.197	.145	.111	.131	.144	.207	.220	.214	.201
	TOTAL OBS	265	242	268	259	273	291	297	299	287	300	293	286	3360
	MEAN	29.710	29.730	29.749	29.722	29.652	29.591	29.605	29.591	29.691	29.783	29.834	29.796	29.705
ALL HOURS	S. D.	.192	.198	.226	.217	.197	.149	.114	.139	.146	.211	.224	.214	.205
	TOTAL OBS	1970	1791	1959	1898	1972	2089	2121	2131	2089	2203	2169	2209	24546

END

DATE
FILMED

4-85