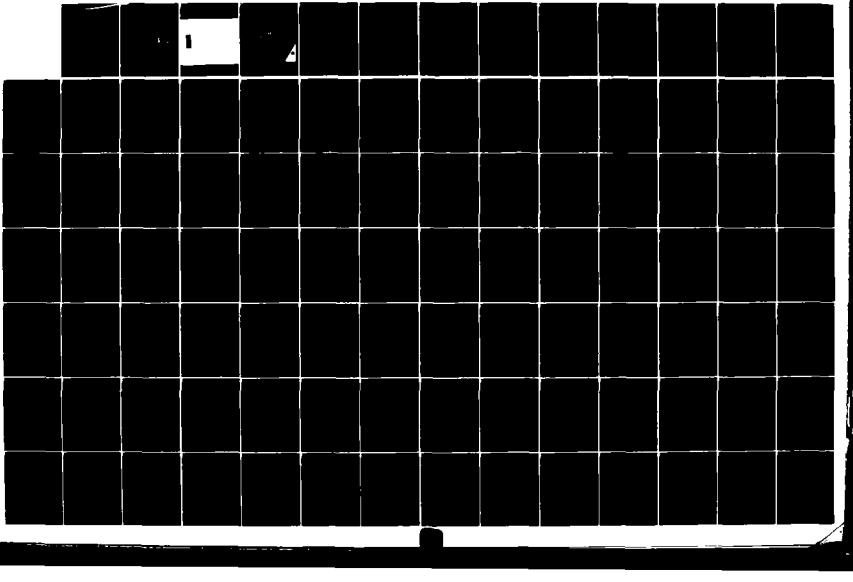
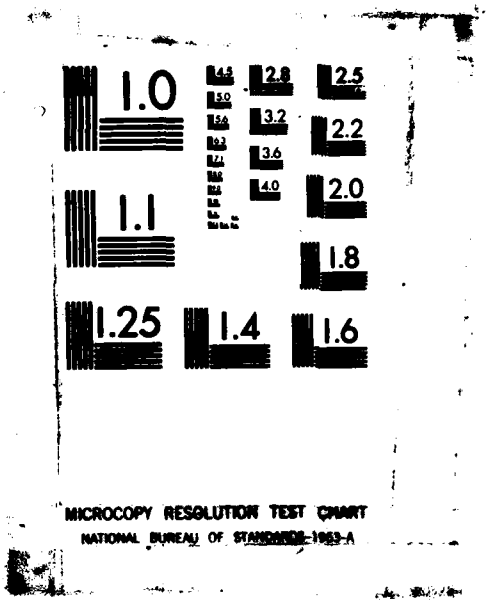
AD-A150 704 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
MEMPHIS TENNESSEE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




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

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SMOS, Memphis, Tn.
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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 704

STATION: #93839 Memphis, TN

PERIOD: HOURLY 1/73-12/82
DAILY 9/51-12/82

JOB NO. 72006 DATE August 1984

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

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

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18. SUPPLEMENTARY NOTES

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

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

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

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

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

STATION NUMBER SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
93839	Memphis, Tennessee	35°21'N	89°52'W	322	KNQA	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF CHRONOLOGICAL 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, main deck operations building	Navy	1949	1960	35°21'N	89°52'W	295	Mercurial	24
2.	Moved within weather office	"	1960	1968	"	"	"	"	24
3.	Replacement installed	"	1968		"	"	"	"	24
1a.	Weather service office	"	1960		"	"	"	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop control tower	3 cup		67.3'	1. Barograph 2. Auto-met station (AN/GMQ-29) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13B) 5. Transmissometer (AN/GMQ-10C) 6. Wind Measuring set (AN/GMQ-5C)
1a.	* "	" " "	Selsyn	Triple	68.9'	
2.	" 1953	" " "	AN-UMQ-5	RD-108	67.3'	
3.	1958	1500' 350° from ops bldg, N-Z	AN/UMQ-5C	"	12'	
4.	1962	Same as above	"	"	8'	

* Survey date unknown.

NOCD, Federal Building
Asheville, NC

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Asheville, N. C.

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION	STATION NAME	YEARS	MONTH
[illegible]	MEMPHIS, TN	51-7[illegible]	ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	6.3	41.1	5.6	17.1	.5	48.7	45.5	37.5	1.4		[illegible]	[illegible]
FEB		[illegible].7	42.3	1.3	11.1	.4	46.[illegible]	42.1	39.4	.5	.4	[illegible]	[illegible]
MAR		17.3	44.5	.6	[illegible].5	1.9	47.1	35.3	34.6	.2	1.4	52.6	[illegible]
APR		22.5	46.7	.1	.4	.3	46.2	37.1	33.[illegible]		.7	49.4	[illegible]
MAY		27.7	42.3			.9	42.3	37.[illegible]	39.7		.3	37.[illegible]	[illegible]
JUN		24.0	36.8			.3	36.[illegible]	37.4	45.2		.1	33.5	[illegible]
JUL		33.0	39.2			.7	39.2	41.5	50.5		.3	35.1	[illegible]
AUG		21.3	32.8			.2	32.[illegible]	54.[illegible]	64.2		.4	33.7	[illegible]
SEP		11.9	33.6			.1	33.[illegible]	54.[illegible]	53.2		.4	45.3	[illegible]4
OCT		6.9	26.4		.1		26.4	43.5	46.7			51.4	[illegible]
NOV		7.3	37.2	.1	3.3	.2	39.5	41.6	43.1			54.7	[illegible]
DEC		6.0	42.4	1.6	7.5	.2	45.3	35.3	36.9	.7	.2	58.2	899
TOTALS		15.2	39.6	.8	3.7	.5	40.2	43.4	44.8	.2	.5	59.5	1[illegible]317

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
13893	MEMPHIS, TN	73-92	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	07	.6	9.7	1.6	4.2		15.2	21.3	5.5	.2		24.2	713
	07	.6	10.3	1.6	5.8	.3	16.5	21.0	5.[illegible]	.2		24.[illegible]	713
	08	.3	8.7	2.3	4.5		14.5	22.6	6.1	.[illegible]		26.5	713
	09		10.0	1.0	6.5		16.5	24.[illegible]	19.[illegible]			40.2	713
	12	1.0	10.3	1.0	4.8		15.5	20.[illegible]	16.[illegible]			33.9	713
	17		9.7	1.0	3.5		13.2	14.[illegible]	15.[illegible]	.7		32.4	713
	18	.6	9.7	1.0	2.3		12.9	17.1	13.[illegible]			29.0	713
	21	1.6	9.7	1.3	2.9		13.2	14.1	9.[illegible]			28.2	713
TOTALS		.6	9.8	1.4	4.3	.0	14.7	20.5	10.[illegible]	.2		25.9	2493

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	MEMPHIS, TN	[illegible]	[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
[illegible]	[illegible]	.7	7.4		3.2		11.3	17.7	16.2	.9	.4	34.6	[illegible]
	[illegible]	.4	8.9		2.1		11.7	7.2	7.4		.4	26.6	[illegible]
	[illegible]	1.8	8.9	.4	3.2		13.4	22.3	8.7		.4	39.1	[illegible]
	[illegible]		5.7		4.6		10.3	23.1	25.4		.7	46.7	[illegible]
	[illegible]	1.4	6.7	.7	3.5		10.7	13.4	35.6		.7	41.5	[illegible]
	[illegible]		8.7	.4	2.1		7.4	11.3	29.7		.4	37.2	[illegible]
	[illegible]	.4	5.3	.7	2.1		9.4	13.1	27.7		.4	35.7	[illegible]
	[illegible]	2.1	13.4	.7	7.2		14.5	17.1	14.2	.4	.4	29.1	[illegible]
TOTALS		.3	7.3	.4	3.1		10.7	17.2	15.3	.1	.5	34.1	[illegible]

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	MEMPHIS, TN	73-82	MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00	1.9	8.7		.6		9.4	11.6	3.9			14.8	310
	03	2.3	8.4		.6		8.7	14.8	9.8	.3		19.4	310
	06	1.0	9.3		.6		9.7	23.9	11.6		.3	30.6	310
	09	1.9	10.0		1.0		10.6	16.5	21.9		.3	35.8	310
	12	1.6	8.1		1.0		9.0	9.7	19.4		.6	26.8	310
	15	1.3	9.3		.3		9.4	8.1	16.8		.3	23.5	310
	18	2.6	11.6		.3		11.9	9.7	14.5		.3	27.2	310
	21	4.2	12.0	.3	1.0		13.2	11.6	6.3			17.1	310
TOTALS		2.0	9.7	.0	.7		10.3	13.3	12.4	.2	.2	23.8	2480

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WEATHER CONDITIONS

13879	MEMPHIS, TN	73-92	APR
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.
APR	00	2.7	10.3				10.3	7.0	4.7			11.0	300
	03	3.7	11.0				11.0	12.3	4.7			16.3	300
	06		9.7				9.7	24.3	11.7			33.0	300
	09	1.3	8.7				8.7	8.7	19.3			26.3	300
	12	1.0	7.7				7.7	8.3	13.7			20.7	300
	15	1.3	8.3				8.3	4.3	11.3			15.7	300
	18	4.0	9.7				9.7	5.3	12.0		.3	17.0	300
	21	3.7	8.0				8.0	5.3	10.7			15.0	300
TOTALS		2.2	9.2				9.2	9.4	11.0		.0	19.4	2400

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WEATHER CONDITIONS

13879	MEMPHIS, TN	73-82	MAY
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.
MAY	00	4.8	8.7				8.7	11.3	16.9			25.5	310
	03	3.5	8.1				8.1	22.9	18.1			35.8	310
	06	2.6	10.6				10.6	35.5	33.9			59.4	310
	09	1.6	7.7				7.7	10.6	38.1			46.5	310
	12	2.3	8.1				8.1	5.2	28.4			32.6	310
	15	2.3	7.4				7.4	5.8	25.8			29.7	310
	18	3.5	6.8				6.8	6.5	22.9			27.1	310
	21	4.2	7.4				7.4	9.0	20.0			25.8	310
TOTALS		3.1	8.1				8.1	13.4	25.5			35.3	2985

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WEATHER CONDITIONS

93839	MEMPHIS, TN	72-87	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	2.3	4.3				4.3	10.3	24.7			30.3	300
	03	3.0	5.0			.3	5.0	17.0	20.7			33.0	300
	06	.7	5.7				5.7	32.3	44.3			64.0	300
	09		4.3				4.3	7.3	49.3			53.0	300
	12	1.7	5.0				5.0	2.3	37.3			39.3	300
	15	3.3	5.3				5.3	1.3	26.7			28.0	300
	18	3.3	4.7				4.7	2.7	30.3			32.7	300
	21	1.3	3.3				3.3	4.3	29.7			33.0	300
TOTALS		2.0	4.7			.0	4.7	9.7	32.9			39.2	2400

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WEATHER CONDITIONS

[illegible] MEMPHIS, TN 73-82 JUL
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.
JUL	00	2.9	4.2			.3	4.2	15.8	34.2			41.6	310
	03	1.0	2.3				2.3	27.1	32.6			47.1	310
	06	2.3	3.2				3.2	49.7	40.3			85.8	310
	09	1.0	3.2				3.2	7.4	60.0			65.8	310
	12	2.6	4.2				4.2	1.6	47.4			48.4	310
	15	2.9	3.9			.3	3.9	.3	41.9			41.9	310
	18	7.1	5.2				5.2	1.0	41.0			41.6	310
	21	2.6	3.5				3.5	7.7	43.2			47.4	310
TOTALS		2.8	3.7			.1	3.7	13.8	45.1			52.5	2480

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WEATHER CONDITIONS

93893	MEMPHIS, TN	73-82	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:
AUG	00	1.3	3.2				3.2	26.1	35.5			49.7	310
	03	1.9	3.5				3.5	40.0	31.3			55.5	310
	06	1.6	6.1				6.1	42.9	43.9			81.9	310
	09	1.3	5.3				5.5	11.6	59.4			66.8	310
	12	4.2	5.5				5.5	4.2	46.5			49.7	310
	15	4.2	5.2				5.2	2.9	38.4			41.0	310
	18	1.0	3.9				3.9	4.5	41.6			44.8	310
	21	1.0	1.6				1.6	11.0	42.3			48.4	310
TOTALS		2.1	4.4				4.4	20.4	42.4			58.7	2480

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WEATHER CONDITIONS

[illegible] MEMPHIS, TN 73-92 SEP
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.
SEP	00	.7	4.0				4.3	27.7	27.7			43.3	300
	03	1.7	7.0				7.0	35.3	24.7			49.3	300
	06	1.0	8.3				8.3	58.0	39.0			76.0	300
	09	.7	9.7				9.7	14.3	49.0			58.7	300
	12	1.7	7.3				7.3	4.7	39.7			43.0	300
	15	.7	4.7				4.7	5.3	37.7			42.0	300
	18	1.7	8.3				8.3	5.3	43.7			49.0	300
	21	1.0	4.3				4.3	17.3	33.3			43.3	300
TOTALS		1.2	6.7				6.7	21.3	36.9			50.6	2400

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WEATHER CONDITIONS

[illegible] STATION | MEMPHIS, TN STATION NAME | 73-[illegible] YEARS | OCT 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	.3	5.5				5.5	10.6	12.[illegible]			17.4	[illegible]
	03	.3	7.7				7.7	1[illegible].4	11.[illegible]			24.5	[illegible]
	06	.3	7.1				7.1	4[illegible].1	26.7			5[illegible].[illegible]	[illegible]
	09	.6	6.1				6.1	11.5	34.5			43.9	[illegible]
	12	.3	5.2				5.2	5.9	23.5			27.4	[illegible]
	15	.3	4.5				4.5	2.9	17.1			19.4	[illegible]
	18	1.0	4.5				4.5	3.[illegible]	21.[illegible]			26.1	[illegible]
	21	.6	5.5				5.5	5.3	14.[illegible]			19.0	[illegible]
TOTALS		.5	5.5				5.5	12.6	19.9			29.0	2873

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WEATHER CONDITIONS

[illegible] STATION | MEMPHIS, TN STATION NAME | 73-92 YEARS | NOV 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.
NOV	03	.3	11.3				11.3	16.0	7.7			22.3	300
	09	1.7	11.7		.3		12.0	19.3	7.7			25.0	300
	06	1.3	11.7		.3		12.0	20.3	13.0			34.3	300
	09	.3	10.3		.3		10.7	23.3	26.3			44.3	300
	12	.7	10.7		.3		11.0	16.3	20.7			34.3	300
	15		9.7		.3		9.0	13.3	20.7			30.7	300
	18	.3	8.0		.3		8.3	14.0	17.3			27.7	300
	21	1.0	10.0				10.0	15.7	10.0			23.0	300
TOTALS		.7	10.3		.2		10.5	17.6	15.3			30.2	2402

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4

WEATHER CONDITIONS

93839 MEMPHIS, TN 73-82 DEC
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.
DEC	03	.6	9.1	.3	1.0		10.4	14.2	7.8			18.4	308
	09	.3	10.7	.6	.6		11.7	16.2	9.2			19.6	309
	06		10.6		.6		11.3	21.6	7.4			29.0	310
	09	.3	10.3		1.3		11.6	23.9	22.3			41.6	310
	12	.3	9.7		.6		10.3	13.9	19.3			31.6	310
	15	.3	9.7		.6		10.3	11.9	18.1			29.0	310
	18		11.7		1.6		13.3	12.9	18.1			30.4	309
	21	.7	11.1		.3		11.1	14.7	10.7			22.6	307
TOTALS		.3	10.4	.1	.8		11.8	16.2	13.7			27.3	2474

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WEATHER CONDITIONS

[illegible] MEMPHIS, TN 73-82 ALL
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.
JAN	ALL	.6	9.8	1.4	4.3	.0	14.7	22.6	10.9	.7		33.9	24[illegible]
FEB		.9	7.9	.4	3.1		10.9	17.2	19.6	.1	.3	34.1	2256
MAR		2.0	7.7	.0	.7		10.3	13.3	12.4	.7	.2	23.7	2483
APR		2.2	9.2				9.2	9.4	11.0		.0	19.4	2400
MAY		3.1	8.1				8.1	13.6	25.5			35.3	2480
JUN		3.0	4.7			.0	4.7	9.7	32.5			39.2	2400
JUL		2.8	3.7			.1	3.7	10.3	45.1			52.5	2480
AUG		2.1	4.4				4.4	7.4	42.4			54.7	2480
SEP		1.2	6.7				6.7	21.3	36.9			[illegible].6	2400
OCT		.5	5.9				5.9	12.5	19.9			29.0	2479
NOV		.7	10.3		.2		10.5	17.8	15.3			30.2	2400
DEC		.3	10.4	.1	.8		11.3	16.2	13.7			27.3	2474
TOTALS		1.5	7.6	.2	.8	.0	8.4	15.5	23.9	.2	.1	35.4	29309

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JANUARY (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	.4	2.7	2.3	1.9	8.1			25.2	2.7	10.5	.8		59.9
NNE	5.5		3.1	.8	.8	5.5			15.7	.8	12.6			67.7
NE	5.[illegible]	.8	5.0	4.1	3.3	7.4			18.2	.8	9.1			65.3
ENE	11.[illegible]	3.8	2.5	2.5	3.8	2.5			23.8	1.3	13.8			57.5
E	7.1	1.8	4.8	1.8	.6	3.0			20.8	3.0	8.9			63.7
ESE	7.[illegible]	3.5	4.7	2.3	2.3	2.3		1.2	20.9	3.5	9.3			57.0
SE	8.7	1.9	1.9	1.9	2.9	2.9			14.4	1.0	7.7			65.4
SSE	10.[illegible]	4.2	.7		.7			.7	16.1	1.4	7.0			67.8
S	4.[illegible]	6.3	.6			.6		3.4	12.1	1.7	12.6			70.1
SSW	7.0	3.0	1.0			1.0		2.0	15.0		10.0			68.0
SW	8.6	1.9	2.8					.9	21.7	.9	9.4			66.0
WSW	7.1	3.1	3.1				1.0	1.0	19.8	1.0	8.3			68.8
W		2.9	1.4			4.3		1.4	7.9		11.4	2.1		75.
WNW	4.[illegible]	1.0	2.9		1.0	4.8			20.0		5.7	1.0		71.4
NW	4.4	.6	1.1	.6	.6	5.5			18.2	.6	8.8			71.8
NNW	4.4	2.0	3.4	3.4	1.0	8.3			27.8		7.3			62.4
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	137	50	73	33	26	90	1	15	475	35	229	6		1650
% TOTAL	8.5	2.0	2.8	1.3	1.0	3.6	.0	.6	19.2	1.4	9.2	.2		66.5

TOTAL NUMBER OF OBSERVATIONS 2,4[illegible]

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4431-5432)

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] MEMPHIS, TN JANUARY 1973-DECEMBER 1982 FEBRUARY
STATION STATION NAME YEARS MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING [illegible]	[illegible]
N	[illegible]	1.1	1.1	1.1	4.5	5.7		1.1	24.2		23.9		46.6
NNE	6.9	1.7	1.7		.9	6.9		.9	22.4		21.6		55.2
NE	[illegible]	1.0	2.0	1.0	1.0	2.0		1.0	19.6	1.0	24.5		53.9
ENE	11.3	2.9	2.8						14.1	4.2	21.1		57.7
E	4.9	.6	1.2	.6	.6	1.2		.6	14.7	.6	16.6		65.
ESE	10.4	2.2	3.3			1.1		1.1	20.9	2.2	11.0		57.1
SE	6.6	2.8	2.8			.9		.9	9.4		11.3		72.8
SSE	5.6	6.6	2.8			.9		.9	8.5	.9	14.2		63.2
S	1.9	1.9	1.4					.5	14.4	1.0	14.4		68.8
SSW	3.4	1.7	.8		.8			1.7	10.2	.8	26.3		57.6
SW	4.0	3.4						4.0	12.6		16.1		65.5
WSW	2.0					2.6			10.8		10.3		74.4
W	1.0	.9	.9	1.0		2.6		1.8	12.8	.9	13.8		63.8
WNW	1.0	3.0	1.0	1.0	1.0	5.0			17.0		19.8		64.4
NW	.7	.7	2.0			7.9			21.1	.7	15.8		61.2
NNW	5.0	1.5	1.5		1.5	3.6			17.5	1.5	18.2	1.5	58.4
VARIABLE													
CALM	1.6	.8	1.2			.4		.8	11.4	5.3	12.6		79.0
TOTAL	139	39	34	8	19	58		19	361	28	390	2	1324
% TOTAL	4.7	1.7	1.5	.4	.8	2.6		.8	16.0	1.2	17.3	.1	61.9

TOTAL NUMBER OF OBSERVATIONS 2,256

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 STATION | MEMPHIS, TN STATION NAME | JANUARY 1973-DECEMBER 1982 YEARS | MARCH MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	[illegible] WEATHER
N	[illegible]	3.7	3.7	.5		2.1		1.6	15.7	.5	14.9	.5	63.6
NNE	[illegible]	1.9	3.8		1.0	1.0		1.9	13.5	1.0	7.6		71.4
NE	5.7	2.3			1.1	1.1		2.3	14.8	1.1	5.7		73.4
ENE	[illegible]	7.8						1.3	10.4		16.9		64.9
E	[illegible]	5.0	.5		.5			1.4	16.2	2.3	12.6		65.3
ESE	[illegible]	5.3	1.5					2.3	15.6	.8	7.5		68.4
SE	1.3	[illegible]						3.4	14.3	2.3	9.3		69.9
SSE	[illegible]	5.3	2.7					3.2	13.4	.5	8.6		69.2
S	[illegible]	4.1	1.6					1.9	7.8		13.3		72.5
SSW	[illegible]	3.2						1.3	8.3	1.3	13.4		72.6
SW		[illegible]	2.1					2.1	7.4	1.1	17.9		64.2
WSW	[illegible]	5.3	1.3					4.6	6.7		12.9		73.3
W	1.6	3.3	.8					3.3	7.3		7.3		77.[illegible]
WNW	[illegible]	1.9				2.8		.9	10.4		6.6		82.1
NW	[illegible]	2.8	1.4		.7	.7		1.4	10.3		9.5		72.4
NNW	[illegible]	5.6	.8		.8	4.[illegible]		2.4	14.4		13.6		66.4
VARIABLE													
CALM	[illegible]	[illegible]						[illegible]	16.[illegible]	[illegible].5	11.[illegible]		[illegible].1
TOTAL	118	100	31	1	[illegible]	19		49	306	23	275	1	1757
% TOTAL	4.4	4.0	1.3	.0	.2	.6		2.0	12.3	.9	11.1	.0	70.8

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

723_2 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) APRIL (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.2	5.3	2.6					1.8	17.5		8.8			67.5
NNE	4.3	3.5	.9					1.7	10.4	.9	4.3			80.9
NE	9.6	3.5	1.7					4.3	10.4	.9	13.0			67.0
ENE	12.3	1.3						2.6	15.8	.9	7.0			73.7
E	9.3	4.4	1.1					1.6	7.7	1.1	7.1			75.8
ESE	9.2	6.7	1.7					5.0	11.7	1.7	6.7			69.2
SE	4.3	7.1	.7					2.8	11.3	.7	6.4			73.8
SSE	4.1	4.7	1.0					2.1	7.8	.5	13.5			73.1
S	1.8	3.2	1.4					3.6	5.0		14.3		.4	75.7
SSW	.2	2.5	.6					.6	3.2		17.8			73.9
SW	1.7	2.5						1.7	4.2		23.5			67.2
WSW		4.7						3.5			4.7			87.1
W	2.1	2.5	1.7					.8	7.6					87.4
WNW	3.1	4.0						4.0	7.1		4.0			85.9
NW	1.1	5.3	4.5					1.8	12.5		8.0			76.8
NNW	4.2	3.7	2.4					1.2	13.4		9.8			72.0
VARIABLE														
CALM	1.2	.4	.4						2.1	5.5	7.4			90.2
TOTAL	113	89	28					53	204	23	235		1	1817
% TOTAL	4.3	3.7	1.2					2.2	8.5	1.0	9.8		.0	75.7

TOTAL NUMBER OF OBSERVATIONS 2,400

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4431-54321

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) MAY (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]4	4.8	.7					4.1	11.6	1.4	21.8			66.7
NNE	5.[illegible]	4.2						3.4	8.5	.8	31.4			58.5
NE	[illegible].9	2.2	.7					.7	15.6	.7	25.9			56.3
ENE	3.[illegible]	5.4	.9					3.6	13.4	1.8	22.3			59.8
E	2.[illegible]	4.4	.4					2.5	16.7	1.8	23.3			60.4
ESE	6.5	5.8	1.9					1.9	13.6	.6	20.1			61.7
SE	2.[illegible]	3.2						1.3	7.0	2.5	24.7			64.6
SSE	2.[illegible]	4.7	.6					5.9	8.9	3.0	16.6			68.6
S	2.[illegible]	5.0	.4					3.2	9.0	.4	28.1			59.7
SSW	3.[illegible]	2.3						1.5	5.4		29.2			58.5
SW	2.[illegible]	4.9						3.9	8.8		32.4			54.9
WSW		1.6						4.8	3.2	1.6	25.8			64.5
W	1.[illegible]	5.8	1.0					4.8	8.7		19.2			56.[illegible]
WNW	1.[illegible]	6.7	1.7					3.3	10.0		13.3			66.7
NW	6.[illegible]	9.4						4.7	20.3		23.4			57.8
NNW	3.3	9.8	1.1					5.4	12.0	1.1	15.2			65.[illegible]
VARIABLE														
CALM	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	[illegible]7	107	12					77	285	46	602			1508
% TOTAL	3.3	4.3	.5					3.1	11.5	1.9	24.3			60.8

TOTAL NUMBER OF OBSERVATIONS 2,480

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JUNE (MONTH) [illegible] (HOURS)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.5	2.8						4.9	11.9	1.4	23.1			61.5
NNE	3.4	1.7						.8	8.4		22.7			66.4
NE	2.6								6.4		26.9			69.[illegible]
ENE		1.2						1.2	4.8	1.2	32.5			55.4
E	3.4	3.9						2.8	10.7	2.8	36.5			50.0
ESE	1.6	4.8							7.9	3.2	37.3			50.0
SE	2.[illegible]	3.3	.7					1.3	7.9	1.3	28.9			58.6
SSE	.[illegible]	2.2						.6	6.6	1.7	38.1			54.7
S	2.1	2.4						2.4	7.2	.7	32.2			58.9
SSW	1.7	2.8						1.7	6.1	.6	32.2			60.6
SW	1.2	4.8	.6					3.6	1.8		34.3			54.8
WSW	1.1	4.3						3.3	5.4		27.2			59.8
W	1.9	3.8					1.0	3.5	1.0		17.1			74.3
WNW		8.7						8.7	8.7		21.7			69.6
NW		4.1	1.4					1.4	13.7		24.7			61.6
NNW			2.4					1.2	14.3	3.6	34.5			52.4
VARIABLE														
CALM	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	[illegible]	68	5				1	47	204	29	738			1401
% TOTAL	1.7	2.8	.2				.0	2.0	8.5	1.2	30.8			58.4

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) JULY (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.6	1.8						3.6	14.3	3.6	40.2			43.[illegible]
NNE	1.0	3.9						3.9	5.8	1.9	51.5			36.9
NE	1.7	2.5						2.5	5.0	1.7	43.7			45.4
ENE		1.9	1.0						15.4	1.0	36.5			44.2
E	2.2	3.8						5.4	12.9	1.1	33.9			46.2
ESE	.7	1.5						.7	11.2	3.7	40.3			43.3
SE		3.6						2.2	9.8	2.2	29.2			57.7
SSE		2.1						2.7	14.4	2.1	29.5			55.5
S		5.0						4.0	11.2	2.4	40.0			40.4
SSW		1.1						1.1	6.3	2.6	48.9			42.1
SW	.6	2.4						2.4	7.1	4.7	38.2			44.7
WSW								2.6	3.4		37.6			47.[illegible]
W	3.1	5.5						6.3	5.5	.8	30.7			43.3
WNW	1.4	1.4					1.4	2.7	1.4		26.0			61.6
NW		5.8					1.9	5.8	11.5		40.4			38.5
NNW	1.5	7.0						3.5	14.0	1.8	52.6			33.3
VARIABLE														
CALM	[illegible]	1.2						1.5	18.9	3.4	38.7			36.[illegible]
TOTAL	22	69	1				2	69	270	73	955			1106
% TOTAL	.9	2.8	.0				.1	2.8	10.9	2.9	38.5			44.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] MEMPHIS, TN JANUARY 1973-DECEMBER 1982 AUGUST
STATION STATION NAME YEARS MONTH HOURS (GMT)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.3	1.5	1.0					.5	17.6	2.5	39.7			29.7
NNE	2.2	1.5							13.4	.7	38.1			45.5
NE	.9	4.2	.8					1.7	9.3		32.2			52.5
ENE	1.1	6.6	1.1					2.2	11.0	2.2	35.2			38.5
E	1.7	2.6	.9					2.2	21.2	10.4	34.6			31.6
ESE	1.1	2.5	.6					.6	21.7	8.9	33.8			38.2
SE	1.3							1.9	9.7	6.5	30.3			51.7
SSE	1.4	2.7	.7					4.1	12.8	3.4	29.1			52.7
S	1.5	2.5	.5					2.5	8.8	3.9	32.8			55.4
SSW	2.7	2.7						2.7	8.1	.7	30.4			50.7
SW	2.2	3.0						1.5	6.7	2.2	28.1			50.4
WSW	1.1	2.2						1.1	3.3		34.8			47.8
W		7.5						8.6	5.4	1.1	38.7			40.2
WNW	2.3	5.0						10.0	7.5	2.5	32.5			55.7
NW	2.4							5.1	7.7	2.6	38.5			51.3
NNW	2.6	5.1	1.3					5.1	15.4		43.6			35.9
VARIABLE														
CALM	1.4	1.0						.2	2.2	1.4	3.0			33.0
TOTAL	38	62	10					51	374	132	864			1072
% TOTAL	1.5	2.5	.4					2.1	15.1	5.3	34.8			43.2

TOTAL NUMBER OF OBSERVATIONS 2,48[illegible]

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEAR) SEPTEMBER (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible].1	1.7	.7					1.7	9.6	3.6	24.8			57.4
NNE	2.[illegible]	2.3	.6					1.1	12.[illegible]	1.1	26.3			57.7
NE	5.1	2.2	1.5					1.5	7.4	.7	28.7			58.8
ENE	[illegible].5	2.4						.8	15.9	4.0	31.0			43.7
E	5.[illegible]	1.7						1.3	20.7	7.2	29.1			42.6
ESE	1.[illegible]	3.8						1.5	17.4	3.8	36.4			36.4
SE	[illegible].2	6.5						1.1	19.2	3.3	15.2			56.5
SSE	2.[illegible]	5.1						2.6	15.4	1.7	25.6			53.8
S	4.5	4.5	.7					1.5	12.7		35.1			51.5
SSW	1.1	6.3						2.1	18.9	3.2	29.5			47.4
SW		3.1	1.6						7.8		32.8			50.0
WSW	2.[illegible]								10.5	2.6	23.7			44.7
W	10.[illegible]	5.1							5.1		41.0			35.9
WNW	4.1	4.1	2.0						14.3		26.5			46.9
NW		5.3						1.3	25.3		22.7			53.3
NNW	4.[illegible]	5.4	1.5					1.5	18.5	3.8	30.0			43.8
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]					[illegible]	29.[illegible]	9.0	35.[illegible]			34.5
TOTAL	[illegible]1	67	12					27	414	96	712			1129
% TOTAL	[illegible].4	2.8	.5					1.1	17.3	4.0	29.7			47.[illegible]

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible] MEMPHIS, TN JANUARY 1973-DECEMBER 1982 OCTOBER [illegible]
STATION STATION NAME YEARS MONTH HOURS (LST)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.4	2.7	1.2					.8	12.5	1.2	13.7			71.9
NNE	4.7								3.7	1.9	16.8			76.6
NE	8.4	1.2							9.4		18.1			71.1
ENE	2.6	2.6	2.6						9.0		17.9			71.8
E	3.5	.9	.5						9.0	5.7	19.9			64.9
ESE	3.3	1.9	.6					.6	9.4	5.7	18.9			64.8
SE	4.5	2.6						1.3	9.6	6.4	18.6			66.0
SSE	1.2	2.4	1.2					1.2	8.1	3.5	21.2			66.5
S	7.7	2.7						1.6	10.9		21.9			61.7
SSW	5.2								5.7		24.3			57.4
SW	1.2		1.2						5.9		11.8			71.8
WSW	8.0	4.0						2.0	14.0		14.0			68.0
W	3.7	1.2						1.2	4.9		4.9			84.1
WNW		1.5							9.2	1.5	9.2			81.5
NW	2.2		4.3						10.9	1.1	10.9			75.[illegible]
NNW	5.5	.9	.9						11.0		8.3			77.1
VARIABLE														
CALM	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	94	34	15					12	221	90	411			1712
% TOTAL	3.9	1.4	.6					.5	8.9	3.6	16.6			69.1

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 NOVEMBER
STATION STATION NAME YEARS MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible].9	.4	3.1		.4			.4	28.4		17.8			57.3
NNE	[illegible].2	.8	3.3		.8	.8		.8	18.9		24.6			56.6
NE	12.6	1.8	.9			.9		.9	17.1	1.8	13.5			65.8
ENE	12.3	9.2	1.5					4.6	23.1	1.5	12.3			58.5
E	9.[illegible]	2.4	1.8						23.5	.6	12.0			62.7
ESE	6.[illegible]	5.3	3.0						20.3	3.8	9.8			63.2
SE	[illegible].7	6.7	.7					.7	10.0	1.3	11.3			68.0
SSE	[illegible].7	1.4	1.4					1.4	12.3		13.0			69.6
S	4.[illegible]	5.3	.4					2.0	14.3	.8	18.9			60.2
SSW	[illegible].5	5.2	1.5					1.5	17.2	.7	18.7			59.7
SW	[illegible].1	2.6	3.9						14.3		13.0			67.5
WSW	[illegible].2	3.1	1.5						15.4		10.8			73.8
W	4.5	1.8	2.7						20.9	.9	11.8			76.0
WNW	[illegible].3		1.0						9.9	1.0	5.9			81.2
NW	4.[illegible]							.9	11.9		3.7			83.5
NNW	4.[illegible]		3.9		1.0	1.0			20.6		6.9			72.5
VARIABLE														
CALM	[illegible].1	.5	.5						11.5	2.0	11.2			73.1
TOTAL	14[illegible]	80	39		3	3		17	405	23	335			1597
% TOTAL	6.[illegible]	2.5	1.6		.1	.1		.7	16.9	1.0	14.0			66.5

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	1.2	1.6			2.4		.8	[illegible]3	.8	11.6			65.7
NNE	[illegible].2								16.3	1.1	25.0			62.[illegible]
NE	[illegible].1	1.5	1.5					1.5	[illegible].4		13.2			54.4
ENE	[illegible].3		4.9						14.8	1.6	13.1			63.9
E	13.4		3.7	.6					[illegible].7	2.4	12.8			64.[illegible]
ESE	13.3	2.7	2.7						[illegible].1	1.8	9.7			66.4
SE	13.4	4.1							[illegible].2	1.2	10.5			68.[illegible]
SSE	7.6	1.5	1.5	.5					[illegible].1	1.0	13.6			68.2
S	[illegible].7	2.6	.4					.7	7.1		13.0			72.9
SSW	[illegible]		1.4						7.8		10.6			80.9
SW	[illegible].8								10.[illegible]	1.0	10.5			72.4
WSW	[illegible].[illegible]	1.4	2.7					1.4	12.3		6.8			79.[illegible]
W	[illegible].7		3.7			3.7			[illegible].2		11.0			76.1
WNW	[illegible].4	3.5	6.2			.9		.9	[illegible].1		9.7			66.[illegible]
NW	[illegible].1	.8	1.6			2.5			15.6		7.4			[illegible]7.9
NNW	[illegible].[illegible]	.7	4.0	.7		3.3			[illegible]1.2		11.3			64.9
VARIABLE														
CALM	[illegible].4		[illegible].8			[illegible].7		[illegible].4	[illegible]6.2	[illegible].6	[illegible]1.8			[illegible]1.7
TOTAL	177	71	49	3		21		8	381	23	293			172[illegible]
% TOTAL	[illegible].7	1.3	2.0	.1		.8		.3	15.4	.8	11.8			69.5

TOTAL NUMBER OF OBSERVATIONS 2,474

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

[illegible]9 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) ALL (MONTH)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	[illegible]	2.0	1.6	.4	.7	1.9		1.5	18.0	1.5	20.1	.1		58.5
NNE	4.5	1.8	1.1	.1	.3	1.2		1.2	12.3	.8	23.7			61.[illegible]
NE	[illegible].7	2.0	1.3	.5	.5	1.0		1.4	13.0	.8	22.0			62.8
ENE	[illegible].5	3.7	1.2	.2	.3	.2		1.4	14.2	1.7	22.4			56.8
E	5.[illegible]	2.7	1.1	.2	.1	.3		1.6	16.3	3.5	21.3			56.9
ESE	5.[illegible]	3.8	1.5	.1	.1	.2		1.2	15.7	3.4	21.0			56.0
SE	4.5	4.2	.5	.1	.2	.2		1.4	10.6	2.5	17.5			64.2
SSE	4.4	3.5	1.1	.1	.1	.1		2.1	10.9	1.6	19.0			64.0
S	3.0	3.8	.6			.3		2.3	9.6	.8	22.7		.0	63.0
SSW	2.4	2.5	.4		.1	.1		1.3	8.9	.8	25.2			60.7
SW	2.[illegible]	2.7	.8					1.9	8.5	1.1	24.0			59.5
WSW	2.5	2.5	.8			.2	.1	2.1	8.5	.3	18.9			65.4
W	2.[illegible]	3.3	1.1	.2		1.0	.1	2.8	5.3	.3	15.3	.2		69.4
WNW	2.2	2.9	1.5	.1	.2	1.5	.1	1.9	11.9	.3	13.2	.1		71.4
NW	3.[illegible]	2.5	1.6	.1	.2	2.1	.1	1.2	15.4	.3	14.1			68.3
NNW	4.4	3.1	2.1	.6	.4	2.4		1.3	17.9	.9	18.0	.1		60.2
VARIABLE														
CALM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
TOTAL	113[illegible]	776	306	45	53	187	4	[illegible]	3900	618	6039	9	1	17863
% TOTAL	3.[illegible]	2.7	1.0	.2	.2	.6	.0	1.5	13.4	2.1	20.7	.0	.0	61.2

TOTAL NUMBER OF OBSERVATIONS 29,208

NAVWEASERVCOM

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Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

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

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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] | MEMPHIS, TN | 51-80
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					
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			MEAN	GREATEST	LEAST
JAN	[illegible]	14.[illegible]	[illegible]	7.2	4.1	7.[illegible]	[illegible]	5.2	3.4	.4				33.4	961	4.17	10.24	[illegible]
FEB	[illegible]	1[illegible]	2.[illegible]	4.9	4.4	6.8	5.3	5.1	4.1	.5				33.4	876	4.27	9.23	1.4[illegible]
MAR	[illegible]	12.0	1.4	3.7	4.7	7.7	6.7	6.2	4.[illegible]	.6				35.[illegible]	961	5.18	[illegible].37	.6[illegible]
APR	[illegible]	11.1	1.3	6.5	3.8	4.9	6.3	7.4	3.[illegible]	.9				35.3	930	5.39	12.31	1.9[illegible]
MAY	5[illegible]	11.[illegible]	1.7	4.6	[illegible].7	5.1	5.0	5.6	4.[illegible]	.7				31.6	961	4.96	[illegible].71	.[illegible]
JUN	[illegible]	1[illegible].2	1.[illegible]	5.3	[illegible].2	5.7	4.1	3.8	3.[illegible]	.2	.1			27.[illegible]	930	3.60	[illegible].27	.41
JUL	[illegible].1	[illegible].3	1.7	5.7	[illegible].2	5.9	4.[illegible]	4.7	2.8	.2				29.9	961	3.53	[illegible].49	.[illegible]
AUG	6[illegible].5	[illegible].9	1.1	4.[illegible]	[illegible].5	3.4	4.2	4.1	2.[illegible]	.5				27.6	930	3.09	7.40	.1[illegible]
SEP	6[illegible].6	[illegible].9	.[illegible]	4.5	[illegible].3	4.0	[illegible].1	3.5	3.8	.6				23.[illegible]	960	3.64	[illegible].49	.1[illegible]
OCT	[illegible].[illegible]	[illegible].6	1.[illegible]	3.3	[illegible].0	3.2	4.[illegible]	3.3	1.6	.2				19.5	961	2.34	6.29	.[illegible]
NOV	[illegible].[illegible]	1[illegible].4	1.[illegible]	4.2	[illegible].0	5.3	5.[illegible]	4.5	4.[illegible]	.3				26.3	960	4.05	[illegible].96	1.[illegible]
DEC	[illegible].4	1[illegible].[illegible]	1.[illegible]	5.3	3.2	6.9	4.[illegible]	5.1	2.[illegible]	1.5				31.[illegible]	992	4.95	13.71	.[illegible]8
ANNUAL	[illegible].[illegible]	1[illegible].[illegible]	1.6	4.8	[illegible].4	5.5	5.1	4.[illegible]	3.[illegible]	.5	.[illegible]			29.[illegible]	11[illegible]3	[illegible].15		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]	MEMPHIS, TN	[illegible]

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	1.[illegible]	1.7	[illegible].2	1.[illegible]	.2	.[illegible]	.5	.1					[illegible].1	93[illegible]	[illegible].9	13.[illegible]	.[illegible]
FEB	[illegible].[illegible]	[illegible].4	.6	1.8	.[illegible]	.1	.1	.1						3.4	876	1.3	[illegible].[illegible]	.
MAR	[illegible].4	[illegible].4	.4	.7	.[illegible]	.2	.1		.[illegible]					2.2	961	1.1	14.[illegible]	.[illegible]
APR	[illegible].[illegible]	.													9[illegible]0	TRACE	TRACE	.[illegible]
MAY	[illegible].[illegible]	.1													961	TRACE	TRACE	.
JUN	[illegible].[illegible]														93[illegible]	.[illegible]	.[illegible]	.
JUL	[illegible].[illegible]	.[illegible]													961	TRACE	TRACE	.[illegible]
AUG	[illegible].[illegible]														9[illegible]1	.[illegible]	.[illegible]	.
SEP	[illegible].[illegible]														9[illegible]	.[illegible]	.[illegible]	.[illegible]
OCT	[illegible].[illegible]	.[illegible]													961	TRACE	TRACE	.
NOV	[illegible].[illegible]	[illegible].[illegible]	.1	.1	.[illegible]									.4	96[illegible]	.[illegible]	2.4	.
DEC	[illegible].[illegible]	[illegible].[illegible]	.4	.1	.4		.1			.[illegible]				1.1	992	.[illegible]	13.[illegible]	.[illegible]
ANNUAL	[illegible].[illegible]	[illegible].[illegible]	.[illegible]	.4	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]				1.1	11322	6.3		

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4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF [illegible]

(FROM DAILY OBSERVATIONS)

[illegible] | [illegible] | [illegible]

STATION | STATION NAME | YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	[illegible]	[illegible]	1.6	[illegible]	1.2								[illegible]	[illegible]			
FEB	[illegible]	[illegible]	1.[illegible]	1.[illegible]	[illegible]		.1	.1						[illegible]	276			
MAR	[illegible]	1.[illegible]	[illegible]	.2		.1	.1							1.[illegible]	[illegible]			
APR	[illegible]														[illegible]			
MAY	[illegible]														[illegible]			
JUN	[illegible]														[illegible]			
JUL	[illegible]														[illegible]			
AUG	[illegible]														[illegible]			
SEP	[illegible]														[illegible]			
OCT	[illegible]														[illegible]			
NOV	[illegible]	[illegible]	.1											.1	[illegible]			
DEC	[illegible]	1.1	[illegible]	.2		.1	.1	.2						1.1	292			
ANNUAL	[illegible]	1.[illegible]	[illegible]	.2	.1	.1	[illegible]	[illegible]						1.[illegible]	11323			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-8[illegible] YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1									1.65	2.01	1.15	2.66	
2	1.13	1.2[illegible]	1.99	.98	1.14	.61	.21	1.21	.91	.41	2.[illegible]4	.84	2.[illegible]4
3	1.44	2.01	1.88	3.21	2.66	3.18	3.48		.[illegible]8		1.15	2.45	
4	2.14	1.91	.43	1.49	1.50	.51	.25	.77	1.27	.34	.46	2.[illegible]6	2.16
5	.[illegible]7	1.86	1.54	2.34	1.80	2.37	.99	.46	.75	.54	1.2[illegible]	.58	2.[illegible]
6[illegible]	3.66	2.03	1.75	.96	1.14	1.32	1.74	.86	.27	.56	1.3[illegible]	.92	3.66
[illegible]7	[illegible].22	1.17	.85	2.70	1.88	1.62	1.36	1.34	1.3[illegible]	2.39	2.56	2.26	2.[illegible]
[illegible]8	1.63	2.17	1.64	1.9[illegible]	1.47	1.01	.86	1.06	1.88	.60	1.44	.64	2.17
[illegible]9	1.37	3.55	1.19	.66	.28	.51	2.04	.[illegible]9	1.07	.88	1.22	2.75	3.[illegible]5
10	1.3[illegible]	.8[illegible]	.6[illegible]	1.3[illegible]	1.71	1.17	1.10	1.20	1.72	1.65	2.31	1.46	2.[illegible]1
11	.62	1.50	1.45	2.21	3.8[illegible]	1.19	.91	.23	.86	.36	2.75	3.3[illegible]	3.[illegible]0
12	2.[illegible]8	2.46	1.44	1.93	.52	1.16	1.56	1.14	2.54	.39	.33	.3[illegible]	2.98
13	.20	1.08	1.19	.85	3.16	1.53	1.01	.64	.64	.02	.81	2.61	3.16
14	1.1[illegible]	1.03	3.44	2.14	.91	1.39	1.55	2.80	1.14	.82	1.03	2.36	3.44
15	2.1[illegible]	4.[illegible]3	1.51	.9[illegible]	1.16	1.79	1.43	1.09	2.70	.35	.86	.32	4.[illegible]
16	1.3[illegible]	1.4[illegible]	.23	1.34	1.26	.21	.76	2.78	2.42	.43	.92	2.53	2.78
17	.6[illegible]	.60	1.34	1.19	1.7[illegible]	1.54	2.08	.6[illegible]	.91	1.55	.60	2.16	2.16
18	.9[illegible]	.96	3.16	2.31	.9[illegible]	.66	.49	.28	.92	.67	1.95	1.05	3.16
19	.71	.61	1.76	.89	.63	.23	.71	3.58	.42	.52	2.07	2.71	3.58
20	.57	1.30	2.32	3.17	1.88	3.40	1.26	1.46	2.46	1.45	.69	1.10	3.40
21	.79	2.67	.87	2.75	2.38	1.34	1.16	1.79	1.61	.[illegible]9	.67	3.41	3.41
22	.64	1.03	1.24	1.12	.94	.91	1.59	3.[illegible]6	2.83	1.35	1.63	3.[illegible]2	3.[illegible]6
23	2.01	1.24	1.01	4.77	1.85	.55	2.05	.69	1.69	.56	2.64	1.45	4.77
24	1.[illegible]4	2.32	.95	2.44	3.59	5.38	.96	1.92	.80	1.21	1.05	.85	5.[illegible]8
25	1.64	1.[illegible]7	3.8[illegible]	.59	1.54	.49	1.36	.90	1.52	1.07	1.57	1.1[illegible]	3.48
26	1.0[illegible]	2.7[illegible]	1.37	1.[illegible]4	1.23	1.65	1.36	.10	1.73	1.58	1.49	.77	2.79
27	.84	.99	2.35	1.05	1.86	.92	.54	1.33	3.03	.[illegible]4	1.[illegible]0	1.76	3.[illegible]3
28	.[illegible]0	.45	1.77	.66	2.[illegible]4	1.37	.95	2.[illegible]2	2.76	.76	1.47	2.90	3.[illegible]2
29	1.0[illegible]	1.55	2.43	4.22	3.15	1.74	1.16	.95	2.6[illegible]	1.1[illegible]	2.45	2.8[illegible]	4.22
30	.[illegible]4	.[illegible]3	2.75	1.43	1.24	1.54	1.77	.42	1.26	1.9[illegible]	2.40	1.42	2.75
31													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-82 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]	.93	1.11	2.12	1.01	3.45	2.14	2.03	.42	.31	3.02	1.20	1.[illegible]	3.45
[illegible]	1.37	1.77	.89	4.1[illegible]	1.53	2.31	3.39	2.14	1.30	.69	1.74	4.66	4.66
MEAN	1.41	1.61	1.65	1.86	1.78	1.49	1.36	1.39	1.49	.97	1.47	1.8[illegible]	3.[illegible]
S.D.	.[illegible]58	.945	.[illegible]55	1.123	.930	1.052	.751	.899	.826	.719	.676	1.[illegible]41	.[illegible]49
TOTAL OBS.	[illegible]61	376	[illegible]61	937	[illegible]61	930	[illegible]61	930	[illegible]65	961	96[illegible]	992	11[illegible]3

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13 89	MEMPHIS, TN	51-92
STATION	STATION NAME	YEARS

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

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
3								.61 16		.27 30			PRECIP DAYS
MEAN													
S.D.													
TOTAL OBS.													

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-82 YEARS

24 HOUR AMOUNTS IN INCHES

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

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-82 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	1.27	.85	.57	.00	.00	.00	.00	.00	.00	.00	.16	.79	3.19
S.D.	[illegible]	1.473	1.534	.000	.000	.000	.000	.000	.000	.000	.549	2.402	3.313
TOTAL OBS.	937	876	961	937	961	930	961	930	930	961	960	992	11322

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible]9 STATION | MEMPHIS, TN STATION NAME | 51-82 YEARS

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

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
?								.3 1+	.9 1[illegible]	.3 30			SNOFALL DAYS
1	.7 28												SNOFALL DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] MEMPHIS, TN 51-80
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]1													
[illegible]2													
[illegible]3													
[illegible]4													
[illegible]5													
56	1												1
[illegible]7													
[illegible]8		20											20
[illegible]9		1											
[illegible]0			1										1
[illegible]1	1												1
2												2	2
3												1	1
4													2
[illegible]5	1		1										
6		1										1	5
67													
[illegible]8		1											
[illegible]9													1
[illegible]0													5
[illegible]1													
[illegible]2													
[illegible]3													
[illegible]4													1
[illegible]5													2
[illegible]6													
[illegible]7													
7[illegible]													
[illegible]													1
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] MEMPHIS, TN 51-82
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	1.[illegible]	1.3	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.[illegible]	3.3
S.D.	1.748	3.761	1.478	.000	.000	.000	.000	.000	.000	.000	.177	2.327	4.[illegible]49
TOTAL OBS.	961	876	961	930	961	93[illegible]	961	93[illegible]	900	961	96[illegible]	99[illegible]	11523

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]9	MEMPHIS, TN	51-52

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
[illegible]3								5 16	1 10	3 30			SNW DPTH DAYS
59									1 29				SNW DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1939 (STATION) MEMPHIS, TN (STATION NAME) 1952-1982 (YEARS)

JANUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.77	20	1972	T	T	1979
2	1.38	35	1966	0.6	15	1977
3	1.37	35	1982	1.0	25	1974
4	1.30	33	1957	1.5	38	1972
5	.92	26	1967	9.4	239	1967
6	.83	21	1981	6.2	157	1977
7	.82	21	1978	4.6	117	1973
8	1.29	33	1978	0.1	3	1973
9	.61	53	1965	3.5	89	1977
10	1.04	27	1974	2.3	58	1958
11	.57	14	1977	0.9	23	1978
12	.46	12	1982	4.9	124	1982
13	.84	21	1977	4.6	117	1968
14	1.62	41	1954	1.3	33	1968
15	2.16	55	1956	T	T	1965
16	1.61	41	1978	0.7	18	1965
17	.61	15	1969	0.6	15	1977
18	.41	10	1956	1.0	25	1955
19	.98	25	1979	1.7	43	1978
20	1.72	44	1954	1.4	36	1967
21	1.91	51	1973	0.5	13	1966
22	2.98	76	1962	3.6	91	1966
23	1.44	37	1953	1.8	46	1956
24	1.79	45	1979	1.2	30	1966
25	1.37	35	1978	3.2	81	1966
26	.98	25	1967	T	T	1979*
27	.22	56	1957	T	T	1979*
28	1.04	26	1957	2.0	51	1966
29	3.66	93	1956	2.0	51	1966
30	.53	13	1968	1.0	25	1967
31	1.06	27	1953	1.0	25	1967
Monthly	3.66	93	1956	9.4	239	1967

FEBRUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.30	33	1970	0.2	5	1978*
2	1.83	46	1956	0.5	13	1979
3	0.50	13	1982	0.2	5	1972
4	1.00	25	1955	T	T	1982*
5	1.66	42	1955	1.1	28	1959
6	1.03	26	1977	2.1	53	1979
7	1.24	31	1973	1.7	43	1979
8	1.77	45	1982	4.4	112	1960
9	1.40	36	1966	1.0	25	1982
10	1.66	42	1953	T	T	1981*
11	4.83	123	1965	T	T	1981*
12	1.16	29	1971	1.0	25	1971
13	3.85	98	1959	T	T	1971*
14	2.32	59	1974	2.0	51	1958
15	1.43	36	1956	1.0	25	1969*
16	1.91	49	1954	T	T	1980*
17	2.70	69	1976	2.1	53	1979
18	0.79	20	1974	1.0	25	1960
19	1.73	44	1954	T	T	1964*
20	1.71	43	1955	T	T	1979*
21	2.67	68	1971	2.1	53	1978
22	1.20	30	1959	T	T	1971*
23	1.64	42	1962	T	T	1976*
24	1.11	28	1979	6.4	163	1965
25	1.17	30	1957	1.4	36	1979
26	2.46	62	1962	T	T	1982*
27	2.22	56	1962	T	T	1982*
28	0.47	12	1979	T	T	1982*
29	0.05	1	1968	0.5	13	1968
30						
31						
Monthly	4.83	123	1965	6.4	163	1965

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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION	STATION NAME	YEARS
[illegible]	MEMPHIS, TN	1939-1982

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2[illegible]	31	1972	0.9	20	1[illegible]
2	[illegible].77	45	1979	-	T	1[illegible]
3	[illegible].43	62	1979	2.4	61	1971
4	.44	37	1964	1.4	41	1965
5	[illegible].70	18	1961	1.5	38	1965
6	1.4[illegible]	37	1961	1.0	25	1[illegible]
7	[illegible].81	21	1958	0.5	13	1961
8	1.27	32	1976	-	T	1[illegible]
9	[illegible].44	67	1964	1.0	25	1975
10	1.[illegible]4	47	1952	1.9	38	1967
11	1.10	28	1963			
12	[illegible].88	99	1975	0.2	5	1[illegible]
13	1.7[illegible]	44	1956	1.0	25	1[illegible]
14	1.10	28	1953	2.0	51	1975
15	[illegible].7[illegible]	20	1973			
16	1.[illegible]7	50	1980			
17	1.43	36	1953	-	T	1980
18	[illegible].[illegible]4	32	1952	-	T	1981
19	[illegible].71	18	1979	1.0	25	1965
20	[illegible].1[illegible]	43	1968			
21	1.[illegible]4	39	1955	3.2	81	1968
22	1.[illegible]8	48	1953	8.[illegible]	203	1968
23	[illegible].[illegible]0	45	1969	3.6	91	1968
24	[illegible].[illegible]7	16	1972	-	T	1971
25	[illegible].2[illegible]	33	1965	2.5	64	1971
26	1.11	28	1967			
27	[illegible].74	77	1975			
28	1.2[illegible]	31	1975			
29	[illegible].12	54	1981			
30	1.[illegible]4	37	1962			
31	[illegible].[illegible]	31	1952			
Monthly	[illegible].[illegible]8	99	1975	8.[illegible]	203	1968

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	4.22	107	1979			
2	1.[illegible]3	43	1982			
3	2.[illegible]1	69	1957			
4	[illegible].[illegible]8	25	1952			
5	1.[illegible]3	46	1964			
6	1.[illegible]1	33	1955	T	T	[illegible]71
7	[illegible].76	19	1974			
8	1.3[illegible]	35	1982			
9	1.[illegible]1	26	1981			
10	[illegible].7[illegible]	20	1955			
11	1.[illegible]6	42	1979			
12	2.3[illegible]	61	1955			
13	1.[illegible]3	36	1981			
14	1.[illegible]	46	1958			
15	[illegible].71	56	1961			
16	[illegible].[illegible]1	104	1982	T	T	1982
17	[illegible].[illegible]3	21	1982			
18	[illegible].89	23	1969	T	T	1[illegible]3
19	4.77	121	1977			
20	1.[illegible]5	27	1966			
21	1.[illegible]3	34	1974			
22	2.44	62	1974			
23	3.08	78	1979			
24	1.[illegible]9	35	1953			
25	3.17	81	1970			
26	1.03	26	1966			
27	0.97	25	1964			
28	1.49	38	1954			
29	3.21	82	1957			
30	1.[illegible]3	49	1962			
31						
Monthly	4.77	121	1977	-	-	1[illegible]82*

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

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

3950 | MEMPHI , TN | 1 52-1982
STATION | STATION NAME | YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.39	48	197[illegible]			
2	1.50	38	1954			
3	2.13	80	1979			
4	1.78	45	1959			
5	0.24	6	1967			
6	2.00	97	1961			
7	2.[illegible]	72	1978			
8	1.41	98	1975			
9	1.64	37	1958			
10	[illegible].[illegible]4	16	1968			
11	.10	53	1959			
12	.1[illegible]	30	1971			
13	[illegible].[illegible]	24	1957			
14	1.[illegible]	35	1967			
15	1.14	29	1956			
16	2.[illegible]6	68	19[illegible]			
17	1.[illegible]1	28	19[illegible]			
18	1.23	31	1953			
19	[illegible].[illegible]1	13	1978*			
20	[illegible].[illegible]5	13	1955			
21	[illegible].41	10	1955			
22	1.[illegible]6	48	1957			
23	1.14	29	1959			
24	1.[illegible]	60	1971			
25	2.11	80	19[illegible]			
26	[illegible].31	8[illegible]	19[illegible]			
27	[illegible].[illegible]3	46	1955			
28	1.[illegible]	27	1976			
29	[illegible].[illegible]	16	1977			
30	1.48	38	1981			
31	2.[illegible]	61	1974	T	T	81
Monthly	[illegible].[illegible]3	97	1961	T	T	81

J
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible].46	17	197[illegible]			
2	1.74	44	1979			
3	1.[illegible]3	16	1957			
4	.2[illegible]	6	1981			
5	3.14	54	1981			
6	5.[illegible]	137	1974			
7	1.1[illegible]	2[illegible]	1974			
8	1.1[illegible]	3[illegible]	1961			
9	1.[illegible]1	13	1959			
10	[illegible].[illegible]0	15	19[illegible]			
11	3.[illegible]3	78	19[illegible]			
12	1.3[illegible]	34	1971			
13	3.4[illegible]	86	197[illegible]			
14	2.37	6[illegible]	19[illegible]			
15	2.27	5[illegible]	197[illegible]			
16	2.31	5[illegible]	19[illegible]			
17	[illegible].[illegible]2	[illegible]9	1964			
18	[illegible].[illegible]7	22	1974			
19	1.[illegible]1	26	1[illegible]5[illegible]			
20	1.[illegible]4	30	1967			
21	1.3[illegible]	35	1979			
[illegible]	[illegible].33	[illegible]	19[illegible]4			
[illegible]	1.[illegible]8	4[illegible]	19[illegible]7			
24	1.[illegible]4	39	19[illegible]			
25	1.[illegible]5	42	1974			
26	1.[illegible]2	46	1[illegible]5[illegible]			
27	1.1[illegible]	3[illegible]	19[illegible]0			
28	.[illegible]0	25	19[illegible]7			
29	.[illegible]2	21	1976			
30	1.11	2[illegible]	1974			
31						
Monthly	5.[illegible]3	137	1974			

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

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

3939	MEMPHIS, TN	1939-1992
STATION	STATION NAME	YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.74	19	1966			
2	.48	13	1960			
3	.77	31	1976	T	T	1982
4	1.53	4	1972			
5	1.73	46	1967			
6	.75	19	1971			
7	.[illegible]	22	1959			
8	1.[illegible]	26	1977			
9	.[illegible]	23	1967			
10	1.11	28	1975			
11	1.75	19	1954			
12	.[illegible]	13	1963			
13	.[illegible]1	26	1965			
14	.[illegible]9	25	1955			
15	1.27	71	1965			
16	1.05	4[illegible]	1967			
17	.[illegible]	21	1950			
18	.43	11	1981			
19	1.02	32	197[illegible]			
20	.[illegible]3	32	1981			
21	1.04	38	1955			
22	1.[illegible]7	45	198[illegible]			
23	.[illegible]8	24	1974			
24	.49	12	1971	T	T	.81
25	1.13	36	1965			
26	2.[illegible]	52	1973			
27	1.[illegible]	26	1976			
28	1.72	44	1967			
29	1.[illegible]	35	1976*			
30	.13	3[illegible]6	1982			
31	.[illegible]9		1976			
Monthly	1.04	38	1955	*	T	[illegible]

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.[illegible]3	11	1979			
2	0.7[illegible]	20	1966			
3	1.[illegible]0	41	1971			
4	1.[illegible]2	46	1979			
5	1.21	31	1982			
6	0.[illegible]6	24	1982			
7	1.0[illegible]	2[illegible]	1965			
8	0.[illegible]0	10	1965			
9	0.[illegible]0	10	1967			
10	0.4[illegible]	12	1974			
11	1.12	2[illegible]	1966			
12	2.7[illegible]	71	1966			
13	1.[illegible]1	36	1982			
14	1.3[illegible]	34	1957			
15	[illegible].0	71	1964			
16	1.1[illegible]	3[illegible]	1969			
17	0.[illegible]	24	1965			
18	.03	52	1969			
19	0.[illegible]5	14	1954			
20	1.20	30	1960			
21	3.5[illegible]	91	1969			
22	3.0[illegible]	7[illegible]	1972			
23	0.7[illegible]	20	1958			
24	0.[illegible]2	13	1979			
25	0.5[illegible]	14	1953			
26	0.[illegible]2	11	1981			
27	0.[illegible]0	1[illegible]	1965			
28	0.[illegible]9	25	1959			
29	2.[illegible]2	64	1975			
30	2.14	54	1969			
31	0.[illegible]6	[illegible]2	1956			
Monthly	3.[illegible]5	91	1969			

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

DIRNAVOCEANMET–SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

[illegible] STATION | [illegible] STATION NAME | 1 [illegible]-1[illegible]2 YEARS

[illegible] MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	•	66	1970			
2	• [illegible]	23	1[illegible]5[illegible]			
3	• [illegible]	34	1[illegible]70			
4	1.[illegible]	44	1[illegible]76			
5	1.[illegible]	43	1[illegible]73			
6	1.[illegible]	99	1[illegible]73			
7	.[illegible]	26	1[illegible]64			
8	.[illegible]1	10	1976			
9	1.[illegible]2	39	1[illegible]75			
10	2.4	62	1970			
11	[illegible].[illegible]2	69	1965			
12	1.[illegible]2	33	1[illegible]67			
13	2.[illegible]6	70	1973			
14	1.[illegible]	35	1[illegible]5[illegible]			
15	[illegible].[illegible]4	65	1[illegible]62			
16	1.[illegible]	34	1971			
17	[illegible].[illegible]	53	1[illegible]68			
18	[illegible].[illegible]	61	1966			
19	1.[illegible]3	43	1[illegible]58			
20	.21	56	1[illegible]70			
21	1.[illegible]	35	1[illegible]57			
22	1.11	28	1[illegible]65			
23	1.[illegible]	32	1[illegible]80			
24	.[illegible]3	77	1977			
25	1.[illegible]	39	1962			
26	1.[illegible]1	38	1971			
27	1.[illegible]	35	1[illegible]77			
28	1.1[illegible]	[illegible]	1[illegible]2[illegible]			
29	.[illegible]3	72	1[illegible]73			
30	1.[illegible]1	33	1966			
31						
Monthly	.[illegible]	77	1977			

[illegible] MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	[illegible].[illegible]	13	1[illegible]75			
2	[illegible].[illegible]	2	1[illegible]41			
3	[illegible].[illegible]	1	1979			
4	[illegible].[illegible]	10	1946			
5	[illegible].[illegible]	24	1976			
6	[illegible].69	18	1952	*	*	[illegible]
7	[illegible].9	25	1[illegible]			
8	1.[illegible]5	42	196[illegible]			
9	[illegible].[illegible]4	16	1[illegible]7[illegible]			
10	[illegible].1[illegible]	5	1[illegible]5[illegible]			
11	[illegible].[illegible]0	13	1[illegible]7			
12	[illegible].4[illegible]	11	1[illegible]5[illegible]			
13	1.4	37	197[illegible]			
14	[illegible].[illegible]3	2[illegible]	1[illegible]6[illegible]			
15	[illegible].[illegible]3	9	1966			
16	2.[illegible]	66	1[illegible]5[illegible]			
17	[illegible].[illegible]2	77	1981			
18	[illegible].[illegible]2	13	1[illegible]7[illegible]			
19	[illegible].[illegible]5	24	1[illegible]7[illegible]			
20	[illegible].[illegible]0	[illegible]	1[illegible]6[illegible]			
21	[illegible].[illegible]2	[illegible]	1971			
22	1.1[illegible]	2[illegible]	1[illegible]70			
23	[illegible].12	54	1[illegible]6[illegible]			
24	1.[illegible]	27	1[illegible]7[illegible]			
25	1.[illegible]5	4[illegible]	1976			
26	[illegible].[illegible]3	1[illegible]	1[illegible]7[illegible]			
27	[illegible].[illegible]	46	1[illegible]8			
28	1.21	31	1[illegible]4			
29	[illegible].4	12	1976			
30	1.[illegible]1	34	1[illegible]7[illegible]			
31	[illegible].1	51	1[illegible]1			
Monthly	[illegible].2	77	1981	T	T	[illegible]

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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1939 | MEMPHIS, TN | 1951-1982
STATION | STATION NAME | YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.[illegible]	21	1972			
2	.76	17	1961	T	T	1951
3	1.[illegible]	42	1961			
4	.82	31	1979			
5	.[illegible]	16	1963			
6	1.[illegible]	41	1972	T	T	1959
7	.[illegible]	65	1967			
8	.[illegible]	32	1965			
9	.[illegible]	54	1961			
10	.[illegible]	23	1966			
11	.[illegible]	15	1967	T	T	1977
12	.72	18	1961			
13	1.[illegible]	41	1957			
14	[illegible]	61	1961	1.8	46	1973
15	1.[illegible]	33	1956	T	T	1977
16	1.48	37	1978			
17	.[illegible]	11	1957	T	T	1951
18	1.[illegible]	57	1952	T	T	1972
19	1.[illegible]	44	1982	T	T	1969
20	1.[illegible]	42	1973			
21	2.48	62	1979			
22	[illegible]	70	1961	0.9	23	1957
23	1.77	20	1982	2.4	61	1971
24	1.13	29	1951	T	T	1972
25	1.13	29	1979	T	T	1982
26	2.64	67	1973	T	T	1977
27	1.23	58	1973	T	T	1980
28	.[illegible]	12	1968	0.3	8	1976
29	1.[illegible]	35	1977	T	T	1979
30	1.[illegible]	41	1979	T	T	1980
31						
Monthly	[illegible]	70	1961	2.4	61	1971

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.[illegible]	21	1962	T	T	1 [illegible]
2	2.16	55	1967			
3	4.[illegible]6	118	1982			
4	1.[illegible]6	45	1977			
5	2.4[illegible]	62	1953			
6	2.2[illegible]	57	1957	T	T	1977
7	2.[illegible]1	64	1978	T	T	1 [illegible]
8	1.02	77	1972	T	T	1978
9	1.41	87	1971	T	T	1979
10	2.[illegible]1	66	1963	T	T	1972
11	2.7[illegible]	71	1959	T	T	1982
12	2.[illegible]2	72	1979	5.7	19	1958
13	3.[illegible]	21	1977	2.1	53	1958
14	2.[illegible]6	68	1961	T	T	1 [illegible]
15	1.[illegible]0	46	1982	T	T	1972
16	3.3[illegible]	86	1961	0.2	5	1 [illegible]
17	0.[illegible]0	13	196[illegible]	T	T	1 [illegible]
18	0.20	5	1968	T	T	1 [illegible]
19	0.[illegible]2	23	1957	T	T	1971
20	[illegible].72	18	1951	T	T	1977
21	1.[illegible]	27	1981	0.3	8	1969
22	1.[illegible]	33	1967	1.[illegible]	33	1 [illegible]3
23	1.[illegible]1	36	1979	1.[illegible]	46	1966
24	1.4[illegible]	37	1973	1.8	46	1982
25	2.[illegible]4	67	1982	T	T	1 [illegible]
26	1.73	44	1982	T	T	1 [illegible]
27	2.53	68	1966	T	T	1 [illegible]
28	2.71	69	1969	T	T	1961
29	1.97	50	1969			
30	1.06	27	1964	0.[illegible]	10	1976
31	1.14	29	1974	4.0	102	1967
Monthly	4.[illegible]6	118	1982	13.[illegible]	330	1963

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

DIRNAVOCEANMET–SMOS

NOCD, Federal Building
Asheville, N. C.

PART C SURFACE WINDS

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

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

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

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

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

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

      (1) Annual - all hours combined

      (2) By month - all hours combined

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

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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-[illegible] YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1									[illegible]	[illegible]	[illegible]		
2	[illegible] 37				5 36 NE	34 W	42 NE	35 NW	34 NW	36 SE	53 SE	40	
3	[illegible] 49 S	34 SW	35 [illegible]	41 SE	39 NW	57 NW	38 NW	40 NW	28 [illegible]	25 [illegible]	55 SW	40	[illegible] 55
4	NW 21 SW	55 S	31 NW	33 W	SW 45 W	40 NW	32 NW	25 N	42 NW	29 NW	30 NW	44	SW 55
5	NW 37 W	40 SW	40 SW	56 SW	30 SE	28 NW	48 NW	29 NW	35 SW	44 NW	48 NW	37	SW 56
6	NW 27	NW	35 NW	38 W	38 N	42 NW	38 NW	35 NE	27 SE	23 NW	30 NW	[illegible]	
7	[illegible] 39	34 S	31 NW	42 NW	48 SW	38 NE	36 W	30 NE	22 SE	28 SW	42 NW	40	NW 48
8	S 34 SW	35 SE	34 SE	50 NW	33 W	40 [illegible]	31 NW	28 S	34 N	29 S	33 W	26	SE 50
9	SE 47 SW	36 S	41 SW	32 SE	38 SE	25 NE	52 E	36 NW	27 W	27 NW	30 W	28	NE 52
10	SE 35 SW	45 SE	34 W	33 W	SW 43 NW	42 W	36 N	31 SE	21 SW	36 SW	36 W	30	SW 45
11	[illegible] 33 W	SW 28 NW	34 NE	37 S	SW 40 W	26 W	SW 37 NW	22 SW	34 W	23 S	41 NW	36	SW 41
12	[illegible] 32 SE	43 NW	29 S	35 S	26 S	33 NW	33 NE	31 S	SW 31 [illegible]	24 NW	28 NW	27	SE 43
13	[illegible] 32 N	33 S	33 SW	39 W	39 N	28 S	W 30	[illegible]	NW 29 NW	28 S	39 W	31	
14	S 36 W	29 S	39 S	34 SW	34 NE	28 S	30 NW	35 NE	28 NE	29 S	31 S	20	S [illegible]
15	W 41 N	33 W	45 W	30 SE	33 W	38 NE	39 NW	30 S	W 27 SW	23 NW	40 S	32	W 45
16	NW 23 SSE	31 W	36 NW	36 N	46 NW	35 NE	27 SE	26 W	SW 26 NW	35 NW	32 S	[illegible]	N 40
17	[illegible] 43 S	38 S	29 SW	30 NW	30 W	SW 29 N	29 NE	36 W	SW 23 W	27 S	25 S	38	[illegible]
18	[illegible] 26 NW	27 NE	34 E	SE 107 N	39 W	SW 32 SW	22 W	29 S	30 S	SW 27			
19	SW 41 NW	31 SE	40 E	33 W	SW 34 SW	68 NW	36 N	32 NW	32 S	SE 33 W	SW 26 S	SW 42	SW 37 NW 56
20	SSW 41 E	31 W	33 W	SW 36 NW	26 S	32 NW	56 NW	32 S	SE 33 W	SW 26 S	SW 42	SW 37	NW 56
21	SSE 32 23	35 36	36 09	36 26	35 06	39 05	26 22	31 25	29 22	27 26	26 23	51	23 53
22	21 37 35	35 01	47 19	34 19	27 30	37 29	29 28	49 35	37 33	27 13	31 33	35	28 49
23	21 33 19	33 13	47 24	44 27	58 28	40 20	31 32	30 03	28 33	32 35	37 21	45	27 58
24	22 42 23	40 30	43 21	43 30	34 36	58 36	35 32	35 25	34 02	25 19	39 [illegible]	39	36 58
25	26 48	28	44	31	40 28	49 35	48 13	38 35	31 27	32 19	40		
26	21 45									22	32 [illegible]	33	
27	35 31 21	45 23	58 29	35 36	52 35	41 22	25 18	31 31	33 35	32 27	34 20	48	23 58
28	32 36 25	30 26	38 21	34 21	44 18	41 35	36 01	46 25	26 31	26 18	27 18	31	01 46
29	34 32 35	34 14	42 19	54 28	32 32	30 22	28 27	33 33	29 18	31 [illegible]	36 16	32	19 54
30	32 37 32	36 28	46 30	56 08	34 36	29 16	28 27	28 32	35 10	30 20	26 01	30	[illegible] 56
31													
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-92 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1[illegible] 2[illegible]	15 39	35 30	1[illegible] 3[illegible]	6 40	31 33	35 47	09 33	21 22	27 33	[illegible] 36	22 35	35 47
2	2[illegible] 59	35 29	1[illegible] 3[illegible]	[illegible] 43	33 29	23 39	[illegible] 34	35 22	12 32	14 25	22 [illegible]	14 36	27 [illegible]
MEAN	36.[illegible]	35.4	37.8	41.5	37.5	37.6	35.2	33.[illegible]	29.4	29.1	34.[illegible]	35.6	[illegible].5
S.D.	[illegible].251	6.222	6.719	14.891	7.651	9.405	8.082	5.461	4.954	6.473	8.101	7.626	8.[illegible]79
TOTAL OBS.	954	760	899	837	928	898	925	895	925	957	899	898	1[illegible]778

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-80 YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 20% OBSERVATIONS FOR MONTH/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
[illegible]		5[illegible] 33 21		[illegible] 34 21									[illegible] DAYS
5[illegible]		WSW 45 1											WINDS DAYS
[illegible]3								[illegible] 14					WINDS DAYS
5[illegible]											W 23 4	SW 4[illegible] 23	WINDS DAYS
[illegible]											SW 17 5	SW 2[illegible] 27	WINDS DAYS
75		3[illegible] 34 21		29 39 8								35 2[illegible] 15	[illegible] DAYS
76		17 43 2[illegible]	23 55 25	26 37 9	0	0	0	0	22 24 4	26 39 26			[illegible] DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN — 73-82 — JAN

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 00

CLASS — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.6	2.9	.6								7.4	6.4
NNE	2.3	1.6	1.7									5.9	4.4
NE	2.3	1.3	1.6									5.2	4.8
ENE	1.0	1.0	1.3									3.2	5.2
E	2.3	3.5	1.9									8.4	4.8
ESE	1.9	.7	.4	.1								3.2	4.2
SE	1.3	1.6	1.6	.3								4.8	5.7
SSE	1.3	2.6	1.0	.3	.6							5.5	7.2
S	1.0	1.6	1.0	1.9	.3							5.8	8.2
SSW	1.0	1.3	1.0	1.3								4.5	7.1
SW		.6	.6	.6	.3							2.3	10.9
WSW	1.9	.3		.3								2.6	3.9
W	1.3	1.0	2.6	1.3								6.1	7.6
WNW	1.0	.6	.3	.6								2.6	6.5
NW	1.3	2.3	1.3	1.6	.3							6.8	7.5
NNW	1.6	1.9	3.5	1.6								8.7	7.3
VARBL													
CALM												17.1	
	24.5	23.2	22.6	11.0	1.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

*U.S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 03 (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	1.3	2.6	2.6	2.3								8.7	7.3
NNE	1.7	1.6	1.6									4.5	5.5
NE	1.0	1.5	.6	.3								3.5	6.8
ENE	.5	1.3	1.3									3.2	5.7
E	2.9	1.5		.6								7.1	6.0
ESE	1.6		.6	.3								2.6	5.0
SE	1.6	1.3	.3									3.2	3.8
SSE	1.6	2.6	2.6	.6		.3						7.7	7.0
S	.3	.3	2.3	1.0								3.9	8.6
SSW		1.3	1.3		.3							2.9	8.3
SW	1.0	.3	1.3	1.3	.3							4.2	9.5
WSW	1.6	.3	.3	.3	.3							2.9	5.7
W	1.0	.6	1.6	1.0								4.2	7.9
WNW	2.6	.6	2.3	1.6								7.1	7.0
NW	1.3	1.9	1.0	.6								4.8	5.9
NNW	2.3	2.6	2.6	2.9								10.3	7.7
VARBL													
CALM												17.1	
	21.9	24.5	22.3	12.9	1.0	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

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SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 06 (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	1.3	2.6	4.2	1.9	.3							10.3	7.7
NNE	1.3	1.9	.7	.3								3.9	5.1
NE	1.7	1.4	1.3	.3								4.5	5.6
ENE	2.3	1.6	.6	.3								4.8	4.7
E	3.2	3.5	1.6									8.4	4.6
ESE	2.6	1.3	.3									4.2	3.2
SE	2.3	1.0	.4	.6								4.5	4.9
SSE	1.0	1.0	1.0	.3								4.2	6.5
S		1.9	1.9	2.3	.3							6.5	9.7
SSW	.6	1.3	1.7	.3								3.9	6.5
SW	1.3	1.3		1.0								3.3	6.7
WSW	.3	1.3	1.3	.6								3.2	8.2
W	2.6	1.3	.3	.6	.3							5.2	5.4
WNW	.6	1.0	1.0									2.6	5.3
NW	1.0	2.9	1.3	1.6								6.8	7.3
NNW	1.3	3.2	1.6	1.9	.6							8.7	7.8
VARBL													
CALM												15.2	
	22.9	28.4	19.7	12.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

AU.S. GPO 1984 741 348/ 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 72-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 09 (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	2.3	2.6	4.2	3.2	.6							12.9	8.4
NNE	1.0	1.9	1.3	1.3								5.5	6.6
NE		2.3	1.5									3.5	6.2
ENE	.3	1.0	.6									1.9	5.7
E	1.6	2.3	3.9	.9	.9							8.4	6.6
ESE	1.0	1.6	1.3	.3								4.2	5.6
SE	.6	2.3	2.3	.3	.3							5.8	7.0
SSE		3.2	1.6	1.3	.3							6.5	8.2
S	1.3	1.0	2.9	1.3	.3							6.5	8.0
SSW	.3		.6	1.3		.3						2.6	12.1
SW	1.0	1.3	2.6	1.0								5.8	7.3
WSW	1.0	1.0	1.9	.3								4.2	6.6
W	1.3	2.3	2.9	.3								6.5	6.2
WNW	1.3	.3	2.3	1.3								5.2	7.4
NW	1.0	2.9	4.2	1.6	.3							10.0	7.6
NNW	.3	1.0	3.5	1.6								6.5	8.7
VARBL													
CALM												4.2	
	13.5	26.8	37.4	15.5	2.3	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13740 (STATION) MEMPHIS, TN (STATION NAME) 75-82 (YEARS) 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		1.0	3.2	1.6	.3	.3						7.1	10.0
NNE	.3	1.0	2.9	.6	.3							5.2	8.6
NE	1.3	1.6	1.3	.3								4.2	5.6
ENE	.3	1.3	.3									1.9	5.8
E	2.3	3.2	.6	.3								6.5	4.8
ESE	.6	1.3	.6	.6	.3							3.5	8.1
SE	.6	1.9	1.3	.3								4.2	6.2
SSE	.3	1.6	3.2	1.3								5.8	8.8
S	1.3	2.3	1.3	2.6	.6							8.4	9.0
SSW	.6	1.3	1.3	1.0	.3							4.2	9.9
SW		.6	2.3	1.6	.6	.3						5.5	12.2
WSW	1.6	.6	1.9	1.0	.6							5.8	7.9
W	1.3	2.6	2.9	1.3	.3							9.0	7.8
WNW	.6	1.9	1.3	1.0								4.8	6.6
NW	1.9	2.6	3.5	2.3	.3							10.6	8.0
NNW	.6	1.3	4.2	1.3	.3							7.4	9.0
VARBL													
CALM												5.8	
	11.9	25.2	33.2	17.1	3.2	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

USUS GPO 1984 741 348 201

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SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

23679	MEMPHIS, TN	73-82	JAN
STATION	STATION NAME	YEARS	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	1.0	3.5	5.2	1.9	.6							12.9	9.2
NNE	.6	.3	1.3	.6								2.9	7.0
NE	1.0	1.3	2.3	.6								5.2	6.6
ENE	.3	2.6										2.9	5.0
E	1.9	1.6	.6									4.2	4.7
ESE	1.0	.3	.3	1.0								2.6	7.4
SE	.3		.6	1.9	.3							3.2	11.8
SSE	1.3	1.3	1.3	1.3	.3							5.5	7.9
S	1.3	1.3	2.6	3.9								9.7	8.6
SSW		1.0	1.3	1.0	.3	.6						4.2	11.6
SW	.3	2.6	2.6	1.3	.3							7.1	8.3
WSW	.6	.3	1.9	1.0	1.0							4.8	10.2
W	.6	1.9	2.6	1.3								6.1	7.2
WNW	1.3	.6	1.3	.6								3.2	6.2
NW	1.3	2.3	5.2	1.0	.3							10.0	7.6
NNW	2.3	2.3	3.5	1.6	.3	.3						10.3	7.9
VARBL													
CALM												3.2	
	16.5	29.9	33.2	18.7	3.5	1.0						100.3	7.7

TOTAL NUMBER OF OBSERVATIONS 310

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SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-92 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 18 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	4.8	2.9	1.0								13.5	5.3
NNE	2.0	1.9	1.3	.3								5.5	4.7
NE	1.2	.6	1.6									3.5	3.5
ENE	2.3	1.6										3.9	3.2
E	2.3	1.3	.3		.3							4.2	4.7
ESE	.8	1.3	.6	.3								2.9	5.8
SE	1.0	.6	.3	1.0								2.9	7.2
SSE	.6	2.6	1.9	.6								5.8	6.7
S	1.9	1.0	1.6	2.9								7.4	8.3
SSW	1.0	2.3	1.9	.6	.3							5.5	6.8
SW	1.0	1.6	1.0									3.5	5.1
WSW	1.3	1.0	.6	1.0			.3					4.2	5.2
W	.8	1.3	.6	1.0								3.5	7.3
WNW	1.6	1.0	.6									3.2	4.2
NW	1.9	.6	1.3	.6	.6							5.2	7.4
NNW	2.6	3.2	1.6	1.0	1.0							9.4	7.1
VARBL													
CALM												12.9	
	27.7	26.8	17.7	10.3	2.3		.3					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13736 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 21 (HOURS LST)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	2.3	4.2	1.3								10.3	6.7
NNE	2.6	2.9	1.3									6.8	4.5
NE	1.3	2.9	1.3									5.5	5.1
ENE	1.9	1.3	.6									3.9	3.8
E	3.2	1.6	.6	.6	.3							7.1	4.9
ESE	2.3	1.9			.3							4.5	4.9
SE	.6	2.3	.6	1.3								4.8	5.6
SSE	1.6	1.3	1.0	1.3								5.2	6.9
S	1.7	3.5	1.3	1.6	.3							8.1	6.9
SSW	1.0	1.6	.6	1.3	.3							4.9	6.1
SW	1.3	.3	.3	.3								2.3	4.6
WSW	.3	1.3	1.0		.3	.3						3.2	9.0
W	1.3	1.3	1.0	1.3								4.5	6.9
WNW	1.0	1.0	.6	.3	.3							3.2	6.4
NW	.6	.6	1.3	1.3	.3							4.2	8.9
NNW	.6	1.9	1.3	1.0								4.8	7.5
VARBL													
CALM												16.8	
	24.2	26.1	17.1	11.3	2.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible] PA 73-82 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	2.6	2.7	1.7	.2	.0						10.4	.4
NNE	1.4	1.7	1.4	.4	.0							5.1	5.7
NE	1.5	1.2	1.4	.2								4.4	5.4
ENE	1.1	1.2	.5	.0								3.0	4.7
E	1.5	2.6	1.2	.2	.1							6.8	4.9
ESE	1.5	1.0	.6	.4	.1							3.5	5.4
SE	1.2	1.4	1.2	.2	.1							4.2	6.5
SSE	.8	1.0	1.2	.9	.2	.0						5.0	7.4
S	1.0	1.7	1.2	2.2	.2							7.0	8.4
SSW	.6	1.2	1.2	.8	.2	.1						4.2	6.5
SW	.7	1.1	1.2	.9	.2	.0						4.3	6.3
WSW	1.1	.7	1.1	.6	.3	.0	.0					3.9	7.7
W	1.2	1.5	1.2	.8	.1							5.8	7.1
WNW	1.1	.8	1.3	.7	.0							4.0	6.4
NW	1.2	2.1	2.4	1.3	.3							7.3	7.6
NNW	1.5	2.1	2.7	1.6	.3	.0						8.2	7.0
VARBL													
CALM												11.2	
	23.9	25.8	24.4	13.6	2.3	.3	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 FEB
STATION STATION NAME YEARS 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	4.3	1.4	3.5	1.8	.4							11.3	6.5
NNE	.7	1.8	2.5	.4	.4							5.7	7.3
NE	.7	1.1	1.4	.4								3.5	6.4
ENE	1.4	1.4	.4									3.2	4.1
E	.7	3.5	.4		.4							4.6	4.3
ESE	.7	1.4	.4									2.5	1.8
SE	1.8	1.4	1.1	.4	1.1							5.8	6.2
SSE	.7	1.4	.7									2.8	5.5
S	1.1	2.1	2.2	1.1	.7							7.4	7.9
SSW	1.4	1.4	.4	1.8	.4							5.1	7.7
SW			1.4	.7								2.5	10.1
WSW	.4	.4	.4		.4	.4						1.8	12.2
W		1.1	.4	1.4								2.8	9.0
WNW	.4	.7	1.1	.7								2.8	8.1
NW	.7	1.4	1.4	1.1								4.6	7.3
NNW	.7	1.8	1.4	2.5								6.4	8.9
VARBL													
CALM												17.7	
	24.1	22.1	19.9	12.1	3.5	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93839	MEMPHIS, TN	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

02
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.3	1.4	3.9	3.2	.4							14.2	6.9
NNE	1.4	1.4	2.1	.4								5.3	5.1
NE	1.1	1.1	1.1	.4								3.5	6.0
ENE	2.5	1.1										3.6	3.2
E	5.3	3.9	.4	.4								9.9	3.6
ESE	2.1	.7	.7									3.5	3.6
SE	.7	.4	.4			.4						1.8	4.8
SSE	2.1	2.8	.7	.4								6.0	5.0
S		2.1	2.8	1.8		.4						6.7	9.1
SSW	1.1	.4	1.1	.8								2.8	6.6
SW	.7	1.8	.7	1.4								4.6	8.2
WSW	.7	.4		1.1	.7							2.8	10.1
W	.7	.7	1.1	.4								2.9	6.4
WNW	.4	.7	1.4	.7								3.2	7.7
NW	.7	1.8	1.8	1.1								5.0	7.7
NNW	1.4	1.4	1.4	1.4								5.7	7.7
VARBL													
CALM												18.4	
	26.2	22.0	19.1	12.8	1.1	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) FEB (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	2.5	4.6	3.5	1.8	.7							12.8	7.1
NNE	1.1	2.1	1.1	1.1								5.3	6.5
NE	1.1	1.4	1.1	.4								3.9	5.5
ENE	1.8	1.4										3.2	3.6
E	5.7	4.6	.7									11.0	3.6
ESE	1.8	2.5	.7									5.0	4.6
SE	2.5	.7	1.1	.7								5.0	5.5
SSE	1.1	2.1	.7	.4	.4							4.6	6.8
S	1.1	1.8	2.1	.7	.4							6.0	7.6
SSW	.4	.7	1.8	.7	.4							3.5	9.6
SW	1.1	.7	1.1	1.8		.4						4.6	8.8
WSW	.4	.4	.4	2.1								3.2	10.2
W	1.1	.4	.7	.8								2.5	6.0
WNW	1.3		.4	1.1	.4							3.5	7.6
NW	1.1	1.4	3.5	1.1								7.1	7.6
NNW	1.1	.7	1.4	1.4								5.0	7.1
VARBL													
CALM												13.9	
	25.5	25.5	19.9	12.8	2.1	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[13739] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 09 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.5	3.9	3.5								12.1	7.9
NNE		2.1	1.8	1.1								5.0	8.0
NE	1.1	1.1	2.8	.4								5.3	6.4
ENE	.7	1.4	.4	.4								2.8	5.8
E	2.5	3.5	.7									6.7	4.4
ESE	2.1	2.8	1.8									6.7	4.6
SE	.7	3.9	1.1	.4	.4							6.4	6.4
SSE	1.1	2.1	1.5	.4	.7							6.0	7.9
S	1.1	2.5	3.5	1.4	.7							9.2	8.5
SSW	.7	.7	1.1	2.8								5.3	9.9
SW	.7	.4	.4	1.1	.4							2.8	8.8
WSW		.7	1.8	2.1	.4							5.0	10.4
W	1.1	1.4	1.1	.4	1.1							5.0	8.6
WNW	.4	1.4	.7	.7	.4							3.5	8.5
NW	1.8	1.1	2.8	2.5	.7							8.9	8.7
NNW		2.1	.7	1.1								3.9	7.5
VARBL													
CALM												9.3	
	16.0	29.2	26.2	18.1	4.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93975 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) FEB (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	1.4	1.4	2.8	1.8		.4						7.8	9.6
NNE		1.4	1.1	.7								3.2	7.5
NE	.7	1.4	1.4									3.5	5.3
ENE	1.8	.7	.4	.4								3.2	4.7
E	2.5	1.4	2.5									6.4	4.9
ESE		.7	1.1	.4								2.1	8.0
SE	1.1	1.1	.4	.4	.7							3.5	8.3
SSE	.4	1.1	1.3	1.1								3.3	7.8
S	1.8	1.4	3.2	2.8	1.1	.4						11.3	9.6
SSW	1.4	1.4	1.8	3.5	1.1	.4						9.6	11.0
SW	.4	.4	1.1	3.2	.7							5.7	11.6
WSW	1.1	1.1	1.4	.4	.7							4.6	8.3
W	1.1	1.1	2.4	.4	.4							5.7	7.5
WNW	2.1	1.4	3.9	.7	.4	.4						9.2	8.0
NW	.7	1.1	3.2	2.8	.4							8.2	9.5
NNW	1.4	2.1	1.1	2.8								7.4	8.0
VARBL													
CALM												4.3	
	17.7	19.5	30.5	21.3	5.3	1.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

*U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) FEB (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	.4	2.5	3.0	2.1	.4							9.2	8.6
NNE	1.4	1.4	1.1	.7								4.6	6.0
NE	1.0	1.4	1.4	.4								5.2	5.6
ENE	.7	1.1										1.8	4.6
E	1.1	1.8	.7									3.5	4.7
ESE	.7	.7	1.1									2.5	6.9
SE	.7	1.1	1.8	1.1								4.6	7.5
SSE	.7	1.4		1.4								3.5	8.2
S	.7	1.1	5.3	3.2	1.4	.7						12.4	11.0
SSW	.4	.4	2.8	2.1	1.1							6.7	11.3
SW		.4	2.5	.7								3.5	9.5
WSW	.7	.4	1.4	2.5	.7	.4						6.3	11.4
W	1.8	2.8	1.4	.7	.4							7.1	6.8
WNW		1.4	2.5	2.1	.4							6.4	9.7
NW	1.4	3.2	3.2	1.1								8.9	7.0
NNW	.4	2.1	5.3	1.8	.4							9.8	8.7
VARBL													
CALM												4.6	
	12.9	33.0	34.0	19.9	4.6	1.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 MEMPHIS, TN 73-82 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER 18

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	3.2	5.7	3.9	1.4								14.2	6.1
NNE	2.1	1.1	1.8									5.0	4.6
NE	2.8	1.1	1.4	.4								5.7	5.3
ENE	2.5	1.4										3.9	3.2
E	.7	1.8		.4								2.8	4.9
ESE	.4	.7	1.1									2.1	5.5
SE	1.8	1.8	.7	.4								4.6	5.1
SSE	2.8	1.4	1.1	1.1								6.0	5.9
S	1.8	1.8	3.5	3.5								10.6	8.5
SSW	1.4	1.8	1.1	.7	.4							5.3	7.1
SW	1.8	1.1	1.1	.7								4.6	5.8
WSW	1.4	.7	.4									2.5	3.9
W	3.2	.7	1.8	.7	.7							7.1	6.6
WNW	1.5	.7	1.1	1.1								4.4	6.2
NW	3.5	1.1	1.1	1.1								6.7	5.6
NNW	2.1	1.8	1.4	.7	.7							6.7	7.0
VARBL													
CALM												7.4	
	31.0	24.5	21.7	12.1	1.8							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93819	MEMPHIS, TN	73-92	FEB
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	5.0	2.8	2.5	1.8								12.1	5.9
NNE	2.5	2.1	1.2	.4	.4							7.1	5.7
NE	3.2	1.1	1.1	.4								5.7	4.7
ENE	1.8	1.1	.7									3.5	3.8
E	3.9	3.2	.7									7.8	3.7
ESE	3.5	1.4	.7	.4								6.0	4.1
SE	1.4	1.4	.7	.4								3.9	5.1
SSE	1.4	.4	1.4	1.1								4.3	6.8
S	2.1	2.1	3.5	1.8								9.6	7.0
SSW	.7	.4	.7	1.1	.4							3.2	9.2
SW	.4	1.9		.4	.4							2.5	8.6
WSW	1.1	.4	.4									1.8	4.6
W	1.2	1.4	.7	.7	1.1							5.7	7.6
WNW	1.4	.7		.4								2.5	4.1
NW	.7	.4	1.8	1.8								4.6	8.9
NNW	.4	1.4	.7	.7	.7							3.9	9.5
VARBL													
CALM												16.0	
	31.2	21.6	17.4	11.0	2.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

23939	MEMPHIS, TN	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	2.8	3.5	2.1	.2	.0						11.7	7.1
NNE	1.2	1.7	1.6	.6	.1							5.1	6.5
NE	1.6	1.2	1.3	.3								4.5	5.6
ENE	1.6	1.2	.2	.1								3.1	4.0
E	3.8	3.0	.8	.1	.0							7.2	4.1
ESE	1.6	1.4	.9	.1								4.0	4.7
SE	1.6	1.5	.3	.4	.3	.0						3.7	6.8
SSE	1.2	1.6	1.0	.7	.1							4.7	6.7
S	1.2	1.9	3.5	2.0	.5	.2						9.2	8.8
SSW	.9	.9	1.3	1.6	.4	.0						5.2	9.4
SW	.6	.8	1.1	1.2	.2	.0						3.9	8.9
WSW	.7	.5	.8	1.0	.4	.1						3.5	9.4
W	1.3	1.2	1.2	.6	.4							4.8	7.3
WNW	1.0	.9	1.4	.9	.2	.0						4.5	7.8
NW	1.3	1.4	2.3	1.6	.1							6.7	7.8
NNW	1.0	1.7	1.6	1.6	.2							6.1	8.1
VARBL													
CALM												10.9	
	27.1	25.5	27.5	14.9	3.2	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2256

*U.S. GPO 1984 741 348: 201

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739	MEMPHIS, TN	73-82	MAR
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	2.6	1.9	1.2	1.3								7.1	6.0
NNE	2.6	1.3	1.9									5.8	5.0
NE	1.0	1.9		1.0								3.9	6.5
ENE	.6	1.6	1.7									3.2	5.1
E	5.8	4.3	1.5									11.6	3.6
ESE	1.9	3.2	1.2	.6	.3							7.4	6.0
SE	1.3	1.6	.3	.6	.2							3.8	5.9
SSE	1.0	4.8	1.2	.2		.3						7.7	5.9
S	1.3	2.9	2.3	1.3	.6	.6						9.7	8.7
SSW	.6	1.0	1.0	2.6	.3	.3						5.8	10.7
SW	.2	.3	1.0	.3	.3	.3						2.6	11.0
WSW	1.0		.6	.3								1.9	5.5
W	.6	1.0	1.3	.6		.2						3.9	8.0
WNW	.6	1.0	1.0	.6	.3							3.5	7.9
NW	2.3	1.6	.6	.6	.3							5.3	5.7
NNW	.3	.6	1.6	1.3								3.9	6.9
VARBL													
CALM												11.6	
	24.5	29.7	18.1	11.6	2.6	1.9						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAR (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	1.6	3.2	1.6	1.0	.3							7.7	6.8
NNE	1.3	.6	1.9	.6								4.5	7.1
NE	2.5	1.3	.6	.6								4.8	4.9
ENE	1.6	1.3	.3									3.2	3.7
E	5.8	3.2	1.3	.3								10.6	3.9
ESE	3.2	1.6	.6	.3								5.8	4.1
SE	1.9	1.6	.3	1.3								5.2	6.5
SSE	.6	2.6	1.6	2.3	.6							7.7	9.1
S	1.0	2.6	4.2	1.3	.3							9.4	7.6
SSW	.6		1.3	1.9	.6							4.2	11.4
SW	1.0	1.0	.6	.3		.3						3.2	7.1
WSW		.6	1.0	1.3		.3						2.9	10.7
W		1.2	1.0	.3								3.2	6.5
WNW	1.3	.6	2.6	.3	.3							4.8	7.5
NW	.6	1.6	.6	.6								3.5	6.9
NNW	.6	1.3	.6	1.0	.3							3.9	8.7
VARBL													
CALM												15.2	
	23.2	25.2	20.3	13.2	2.6	.6						100.3	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741-348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] MEMPHIS, TN 73-82 MAR
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	2.8	1.7	1.6	1.9								7.7	5.5
NNE	1.2	1.0	2.7									4.2	6.1
NE	1.3	1.0	.7	.7								2.9	4.7
ENE	1.3	1.0	.6									2.9	4.0
E	4.2	5.5	1.9	.6								12.3	4.8
ESE	2.3	2.3	1.2	.6								6.1	5.0
SE	3.2	2.3	.6	1.0								7.1	5.0
SSE	1.0	3.2	1.0	1.6	.3							7.1	7.5
S	.6	2.6	3.2	2.3	.3							9.7	8.3
SSW	.3	1.3	1.0	.6	1.3							4.2	11.5
SW	1.0	1.0	1.0	.3		.3						3.5	7.9
WSW		.6										.6	4.5
W	1.3	1.0	2.3	.3								4.8	6.8
WNW	1.0	.6	1.3	.6								3.5	7.4
NW	1.3	1.6	1.7	.3		.3						5.5	6.9
NNW	.3	1.3	2.3	.6								4.5	7.4
VARBL													
CALM												13.9	
	22.9	27.1	22.3	11.3	1.9	.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13749 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAR (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	2.9	1.7	.3							6.9	9.6
NNE		1.0	2.4	.6								4.2	7.7
NE		.6	.6	.6								1.9	8.5
ENE	.3	1.0	1.3									2.6	7.0
E	1.3	3.9	2.3	2.3								10.3	7.1
ESE	.3	1.0	2.6	1.3								5.2	6.9
SE	.7	1.9	3.2	1.3	.3							7.1	8.6
SSE	1.3	2.3	3.5	.6								7.7	6.7
S	.6	2.0	5.2	5.5	1.3	.3						15.5	10.5
SSW	1.0	1.3	1.0	2.6								6.5	9.3
SW		1.3	1.0	1.3								3.2	8.0
WSW		1.3	1.0	1.9		.3						4.5	11.0
W		1.0	1.3	.3	.6							3.2	9.2
WNW		.3	1.3	2.3	.3							4.2	11.2
NW	.3	1.3	2.6	2.3	.6							7.1	9.9
NNW		1.0	2.9	1.3	.3							5.5	9.8
VARBL													
CALM												2.9	
	4.1	24.9	35.8	26.1	3.9	.6						100.3	8.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible], TN 73-82 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER 12

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	.5	3.2	1.9								6.8	8.7
NNE	.4	1.5	1.9	.7								3.6	6.4
NE	1.2	.7	1.2	.3								2.6	6.3
ENE	.3	1.2	.4									2.7	5.4
E	.7	1.2	1.6	1.0								4.8	7.3
ESE	1.2	1.6	1.6	1.2								5.6	6.5
SE	1.2	1.2	1.2	1.2		1.2						5.6	9.9
SSE	.3		2.4	1.6	.3							4.8	9.7
S	.7	2.6	4.2	6.8	1.0	1.2						16.5	11.5
SSW	.7	1.2	1.2	4.5	2.2	.7						9.7	13.1
SW		.7	1.2	2.2	.6							4.5	12.3
WSW	.5	1.0	.4	1.6	.3							3.2	9.3
W	1.2	1.5	3.2	1.2	1.0							9.0	8.2
WNW	.6	1.2	1.2	2.6	.3							6.1	9.3
NW	.3	1.2	2.6	2.3	.6	.7						7.1	10.7
NNW		1.2	1.2	2.6	.3							5.2	11.0
VARBL													
CALM												2.3	
	10.2	17.7	29.7	35.6	6.8	2.2						130.2	9.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

* U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 MAR
STATION STATION NAME YEARS MONTH

ALL WEATHER 15
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	1.4	.7	1.6	2.6	1.0							7.1	9.6
NNE	.1	1.0	.3	1.3								2.9	9.0
NE	.6	1.3	1.2									3.2	5.5
ENE	.3	1.3	.5	.6								2.9	7.0
E	1.9	1.9	1.4	.3								5.6	5.6
ESE	.6	.7	1.0	1.0								2.9	8.0
SE		1.0	1.6	1.3		.6						4.5	11.4
SSE	.3	2.6	.6	3.9	.3	.3						8.1	10.1
S	.3	1.3	5.2	6.5	1.3	.6						15.2	11.7
SSW	.3	.6	1.9	3.5	.6	1.0	.3					8.4	13.5
SW		1.0	1.6	2.7	1.0		.3					6.1	12.7
WSW	1.0	1.0	1.0	1.0		.7						4.5	8.5
W	.6	1.9	3.5	1.6	.3							7.9	8.8
WNW	.3	1.3	1.0	1.6	.3							4.5	9.3
NW		2.6	2.0	1.3	.3							7.1	8.6
NNW		.3	3.2	2.3	.6							6.5	10.8
VARBL													
CALM												2.9	
	5.4	19.0	29.4	31.0	5.8	2.9	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 310

4

SMOS

* U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN — 73-82 — MAR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 18

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	2.3	2.3	3.9	1.9	.3							10.0	7.3
NNE	.3	1.9	.5	.3								3.2	5.9
NE	1.9	1.6	.3	.6								4.2	5.1
ENE	1.6	1.3	.3									3.2	3.3
E	1.6	1.3	1.3	1.0								5.2	6.1
ESE	1.0	1.6	.3	.3								3.2	5.1
SE	.6	1.6	.3	.6	.3							3.5	7.1
SSE	1.3	1.6	3.2	2.3	1.3	.3						10.0	9.8
S	1.3	3.2	3.2	4.2	1.6	.3						13.9	10.1
SSW	1.9	2.6	1.9	1.0	.3							7.7	7.1
SW	1.6	1.3	.3	1.3								4.5	6.7
WSW	1.3	1.6	.6	.3								3.5	5.5
W	2.3	1.9	.6	1.6								6.5	6.1
WNW	1.3	.3	2.3	.3								4.2	6.5
NW	1.0	2.3	1.9	1.0								6.1	6.7
NNW	1.6	2.9	2.3									6.8	5.5
VARBL													
CALM												4.2	
	22.3	29.4	27.5	16.1	3.9	.6						100.2	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93729	MEMPHIS, TN	73-82	MAR
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	2.6	1.9	1.3	1.3	.3							7.4	7.0
NNE	2.7	1.3	1.6									5.7	4.8
NE	1.9	2.3	.6									4.8	4.4
ENE	2.6	1.0	.3									3.9	3.4
E	4.5	3.5	1.9	.6	.3							11.0	5.8
ESE	2.6	1.2	1.3	.3	.3	.3						6.8	6.2
SE	2.3	1.0	1.3	.6								5.2	5.6
SSE	1.0	1.9	2.9	1.0	.3							7.1	8.0
S	1.6	3.9	3.5	3.9	.3	.3	.3					13.9	9.1
SSW	.6	.3	1.0	1.3	1.0							4.2	10.5
SW	1.0	.3		.6								1.9	5.7
WSW	.6	1.0	.3	1.0								2.9	7.0
W	.6	.3	.6									1.6	5.8
WNW	.6	.6	1.0	.3	.3	.3						3.2	9.6
NW	1.3	1.6	.6	1.0	.3							4.8	7.4
NNW	1.3		1.6	1.3								4.2	8.1
VARBL													
CALM												11.9	
	27.4	22.9	20.2	13.2	5.2	1.0	.3					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

4

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739	MEMPHIS, TN	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.6	2.2	1.7	.3							7.6	7.6
NNE	1.0	1.2	1.6	.4								4.2	6.3
NE	1.2	1.3	.6	.4								3.5	5.5
ENE	1.3	1.2	.7	.1								3.1	4.8
E	1.3	3.3	1.6	.8	.0							7.0	5.2
ESE	1.7	1.7	1.2	.7	.1	.0						5.4	6.1
SE	1.4	1.5	1.1	1.0	.1	.2						5.4	7.4
SSE	.8	2.4	2.1	1.7	.4	.1						7.5	8.4
S	.5	2.7	4.0	4.0	.8	.4	.0					12.9	10.0
SSW	.7	1.0	1.2	2.3	.8	.2	.0					6.3	10.9
SW	.6	.9	.8	1.1	.2	.1	.0					3.8	9.4
WSW	.3	.9	.7	.8	.0	.1						3.0	8.4
W	.9	1.2	1.7	.8	.2	.0						5.8	7.6
WNW	.7	.8	1.5	1.1	.2	.0						4.3	8.6
NW	.9	1.7	1.7	1.2	.3	.1						5.9	8.1
NNW	.5	1.0	2.0	1.3	.2							5.0	6.8
VARBL													
CALM												8.1	
	15.1	24.4	24.0	19.2	3.8	1.4	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2490

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13839 (STATION) MEMPHIS, TN (STATION NAME) 73-92 (YEARS) APR (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	.7	.3	.3								2.0	5.7
NNE	1.7	1.3	1.3	.7	.3							5.3	6.5
NE	.7	.7	.7	.3								2.3	6.1
ENE	1.7	3.7	1.0									6.3	4.9
E	5.0	2.3	1.7									9.7	3.8
ESE	2.3	1.7		.3	.3							4.7	5.0
SE	2.0	2.7	2.0	.3								7.0	5.3
SSE	1.0	5.0	2.0	2.0	.3							10.3	7.3
S	1.0	4.7	2.3	1.3								9.3	6.9
SSW	.3	1.0	1.3	.3	.3	.3						3.7	9.8
SW	1.3	1.0	1.0	.7	.7							4.7	7.8
WSW	1.0	.7	.7	.3								2.7	5.5
W	1.0	.7	.3									2.0	4.0
WNW	2.0	.3	.3	.3	.3							3.7	5.9
NW	1.0	.3	2.0	1.0	.3							4.7	8.5
NNW	1.7	1.7			.3							3.7	4.8
VARBL													
CALM												18.0	
	24.3	29.3	17.0	8.0	3.0	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

#U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739	MEMPHIS, TN	73-82	APR
STATION	STATION NAME	YEARS	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	2.3	.3	1.7	1.3								5.7	6.3
NNE		1.3	2.0	.3								3.7	7.6
NE	1.3	1.3	.7	.3								3.3	5.6
ENE	1.7	3.3	1.3	.3								6.3	4.9
E	5.3	3.0	2.0									13.3	4.0
ESE	3.3	1.3	.3	.7								6.3	3.9
SE	1.7	1.3	1.0		.3							4.3	5.4
SSE	.3		2.7	1.0								4.0	9.3
S	1.3	2.3	3.3	3.0		1.0						10.7	9.7
SSW	.7	1.3	1.3	1.0	.7							4.7	9.1
SW	1.3	1.3	.7	.7								3.3	6.7
WSW		.7	1.0	.3		.3						2.3	9.6
W	1.3	.3	1.3	1.7								4.3	8.4
WNW	.7	.3										1.0	2.7
NW	.3	2.3	1.3		.7							4.3	7.8
NNW	1.3	.7	.7									2.3	4.6
VARBL													
CALM												20.7	
	23.7	22.3	19.7	10.7	1.7	1.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

73-75 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (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		1.7	.3	1.0								3.0	8.9
NNE	1.3	1.0	2.0	.3								4.3	5.9
NE	2.3	1.3	1.7	.7								5.7	5.5
ENE	2.3	2.7	1.3	.3								6.7	4.9
E	3.7	2.7	2.3	.3								9.0	4.8
ESE	3.3	3.3	.3	.3								7.3	4.1
SE	1.3	1.3	1.7	1.3								5.7	6.9
SSE	1.7	2.7	4.3	.7								9.0	6.4
S	.3	3.7	.7	1.3		.3						5.3	8.6
SSW	.3	1.0	2.7	1.3		.3						5.7	9.7
SW	1.0	.7	.7	.3								2.7	6.9
WSW	.3	.3	.3	.7								1.7	8.8
W	.3	.7	1.3	2.3								4.7	9.9
WNW	1.3	1.0	.7									3.0	4.6
NW	1.7	.3	1.3	.3								3.7	5.3
NNW	1.0	.3	.7	.3								2.3	5.9
VARBL													
CALM												20.3	
	21.7	23.7	22.0	11.7		.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 400

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

53879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (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	.7	.3	1.0	1.3								3.3	8.3
NNE		.3	1.3	1.7								3.3	10.0
NE	.3	1.3	2.0	2.3								6.0	9.3
ENE	.7	1.7	2.3	.7								5.3	7.1
E	1.3	1.3	4.3	.7								7.7	6.7
ESE	1.0	1.7	1.7	1.0								5.3	6.5
SE	.3	.7	.7	1.0								2.7	6.4
SSE	1.0	2.0	4.0	2.7	.3							10.0	8.7
S	2.0	2.3	4.0	4.0	.3							12.7	8.6
SSW	.3	2.0	3.0	3.0	.3							8.7	9.8
SW		.7	2.0	2.0	1.0	.3						6.0	11.7
WSW	.3	.7	1.0	1.0	.3	.3						3.7	11.3
W	1.3	.7	2.7	1.7	.3							6.7	8.0
WNW	.7	2.0	2.3	1.7								6.7	8.1
NW	.7	1.3	1.0	2.0								5.0	8.1
NNW	.7	1.0	2.0	.7								4.3	7.6
VARBL													
CALM												2.7	
	11.3	20.0	35.3	27.3	2.7	.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

72719 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (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	1.7	1.3	1.3	2.3								6.3	8.1
NNE	.7	2.0	.7	1.0								4.3	7.1
NE	.7	1.3	1.0	.7	.3							4.0	8.0
ENE	.3	1.3	1.7	.7								4.0	7.7
E	1.3	2.7	1.7									5.7	5.1
ESE	.7	1.3	2.0									4.0	6.5
SE	.3	1.0	2.3	1.0	.3							5.0	8.9
SSE		1.3	2.0	2.7	1.3							7.3	11.2
S	.3	.7	4.3	5.0	2.0							12.3	12.0
SSW		1.0	3.0	3.0	.7	.3						8.0	11.2
SW		.7	4.0	3.7								8.3	10.2
WSW	.3	1.0	1.3	2.7								5.3	10.6
W	.3	2.7	3.0	2.7								8.7	8.8
WNW		1.0	1.0	2.0	1.0							5.0	11.9
NW		2.0	2.3	1.7								6.0	8.8
NNW	.3	1.7	1.0	.7								3.7	7.9
VARBL													
CALM												2.0	
	6.7	23.0	32.7	29.7	5.7	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (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	1.0	1.7	2.3	1.0								6.0	7.6
NNE	.7	1.7	2.3	1.7								6.0	7.9
NE	.3	1.7	1.3	.7								4.0	6.8
ENE	.7	2.0	1.0									3.7	5.3
E	.7	1.0	1.3	.7								3.7	6.9
ESE	.7	1.0	1.7									3.3	6.4
SE	.3	1.7	1.0	.7	.7	.3						4.7	10.6
SSE	.7	.7	2.7	2.7	1.0							7.7	11.0
S	1.7	4.0	4.0	6.7	.7	.3						17.0	9.6
SSW	.3	1.0	1.0	1.0	.7	.7						6.7	11.3
SW		1.7	1.3	.7	.3							4.0	8.5
WSW		1.0	1.0	1.0	1.0		.3					5.3	11.7
W	.3	1.0	2.7	2.7								6.7	9.2
WNW	.7	1.7	1.3	2.7	.3							6.7	9.4
NW		1.0	2.0	1.3								4.3	8.9
NNW	.7	.7	2.0	1.0								4.3	8.2
VARBL													
CALM												1.0	
	8.3	23.3	33.0	28.0	4.7	1.3	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

16 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	4.0	.7	.7								6.3	5.5
NNE	.7	2.7	2.3	.7								6.3	6.6
NE	.7	5.3	1.3	.7								8.0	5.7
ENE		1.7		.3								2.0	5.5
E	1.3	1.0	1.0	.3								3.7	5.8
ESE	1.3	.7	1.3	1.3								4.7	7.4
SE	1.3	3.0	2.0	1.7	.3							8.3	7.6
SSE		1.3	4.3	1.0								6.7	8.5
S	1.0	3.3	5.3	3.3	.3	.3						13.7	8.6
SSW	1.7	3.7	2.7	.7								8.7	6.2
SW	1.0	4.0	2.3	.3								7.7	6.0
WSW	.7	.7	.7	.7	.3							3.0	8.2
W	2.3	.7	.7	.7	.3							4.7	6.3
WNW	1.7	.7	1.3	.3								4.0	5.9
NW	1.0	2.0	1.7	.7	.3							5.7	7.5
NNW	.3	2.0	.7	1.0								4.0	7.2
VARBL													
CALM												2.7	
	15.0	36.7	28.3	18.3	1.7	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

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

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 21
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	2.0	1.3	1.7	.3								5.3	5.3
NNE	.7	2.3	2.0									5.0	6.1
NE	.7	2.3	2.0									5.0	5.7
ENE	1.0	1.3	1.3									3.7	5.3
E	3.0	3.0	1.3	.7								8.0	5.2
ESE	2.0	1.3	.3	.3		.3						4.3	6.1
SE	2.3	3.7	3.0	.3								9.3	5.6
SSE	1.7	3.3	4.0	.3								9.3	6.1
S	1.0	3.7	5.7	1.0	.7	.7						12.3	8.6
SSW	1.7	1.3	1.0	.3								4.3	5.4
SW	1.0	1.3	.7	.3								3.0	5.2
WSW		.3	.3	.7								1.3	10.5
W	1.3	.7			.3							2.3	5.3
WNW	1.0	.3	1.0	.7								3.0	7.0
NW	1.7	1.7	.3	.3	.3							4.0	6.4
NNW	.7	.7	.7	.7								2.7	8.0
VARBL													
CALM												17.3	
	21.3	28.7	24.7	6.0	1.3	1.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13732 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (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	1.1	1.4	1.2	1.0								4.7	6.9
NNE	.7	1.4	1.7	.7	.0							4.9	7.1
NE	.8	1.9	1.3	.7	.0							4.8	6.6
ENE	1.0	2.2	1.2	.3								4.7	5.6
E	2.6	2.5	1.9	.3								7.6	4.9
ESE	2.0	1.5	1.0	.5	.0	.0						5.0	5.5
SE	1.2	1.9	1.7	.6	.2	.0						5.9	7.1
SSE	.8	2.0	3.2	1.6	.4							8.0	8.3
S	1.1	3.0	3.6	3.2	.5	.1						11.7	9.2
SSW	.7	1.5	2.2	1.6	.3	.2						6.5	9.2
SW	.7	1.4	1.3	1.1	.2	.0						5.0	8.7
WSW	.3	.7	1.0	1.2	.2	.1	.0					3.5	10.1
W	1.0	.3	1.5	1.5	.1							4.0	8.1
WNW	1.1	.9	1.2	1.0	.2							4.1	7.8
NW	.7	1.3	1.5	.9	.2							4.7	7.7
NNW	.3	1.1	1.0	.5	.0							3.4	6.9
VARBL													
CALM												10.5	
	16.7	25.9	26.6	17.0	2.6	.7	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2900

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) [illegible] (STATION NAME) 73-82 (YEARS) MAY (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	[illegible]	1.9	1.7	.6								6.5	5.2
NNE	.6	1.7	.6	.3								2.9	5.6
NE	1.9	2.6	1.3									5.8	4.6
ENE	3.3	3.5	1.0									6.8	4.2
E	9.4	3.2	.6									13.9	3.0
ESE	3.5	2.9	1.0									7.4	4.0
SE	2.9	1.6	.6	.3								5.5	4.1
SSE	1.3	2.6	1.3	.6	.3							6.1	6.8
S	.3	3.2	1.0	1.3								6.8	7.6
SSW	.9	.6	.6	.6	.3							2.9	8.3
SW	.3	.3										1.0	4.7
WSW		.3	.6									1.0	7.0
W	.3	1.3	.6	.6								2.9	6.8
WNW	.6	.3		.3								1.3	5.0
NW	.6	.3	.6									1.3	7.0
NNW	1.9	1.3	1.3	.3								4.8	5.1
VARBL													
CALM												33.2	
	27.3	28.4	12.5	5.2	.6							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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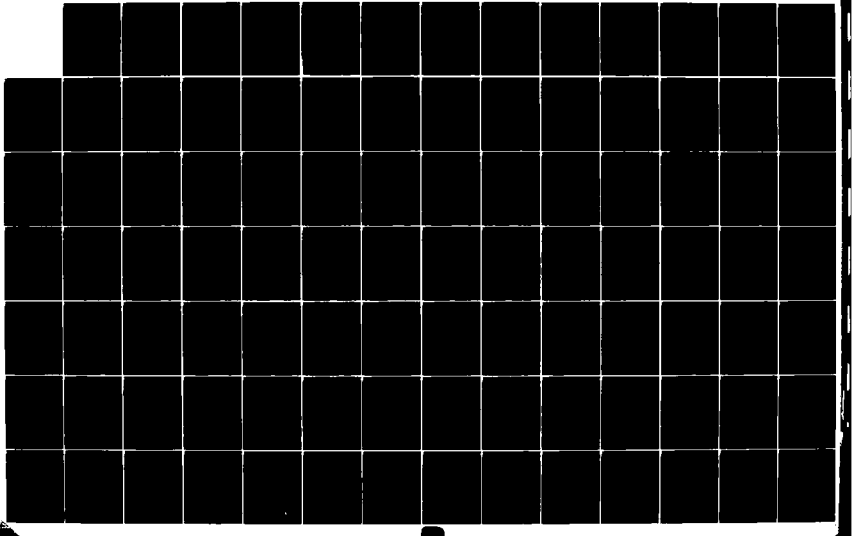
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) MEMPHIS TENNESSEE (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC AUG 84

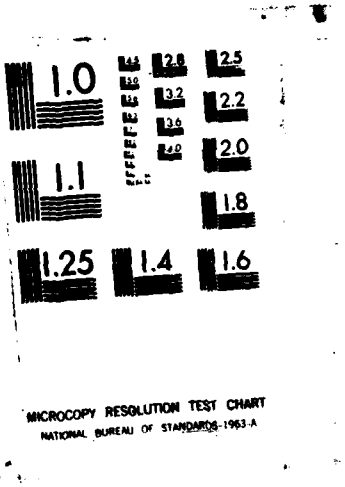
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAY (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	1.9	2.1	.3									4.5	4.1
NNE	.6	1.3	1.6									3.5	6.0
NE	1.3	2.6	1.3									4.5	5.0
ENE	2.9	1.6	.6	.3								5.5	4.4
E	7.4	4.8	1.3									13.5	3.6
ESE	2.9	1.3	.6									4.8	3.5
SE	3.2	1.9	1.3	.3								6.5	4.1
SSE	1.3	2.6	.6	.6								5.2	5.7
S	1.9	3.9	1.6	1.6								8.4	6.7
SSW		1.9	.3									2.3	5.7
SW	1.3	.3	.3	.3								2.3	5.4
WSW	.6		.6	.3								1.6	6.6
W	.3	.6	.6									1.6	6.0
WNW	.6	.6										1.3	3.0
NW	1.3	.3	.3									1.9	3.3
NNW	1.3	1.3	.6									3.2	4.2
VARBL													
CALM												29.4	
	23.1	27.4	11.6	3.5								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

53839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	1.3	1.0	1.0	.6								3.9	6.3
NNE	.6	1.6	1.6									3.9	6.0
NE	1.9	1.6	2.9									6.5	5.8
ENE	3.2	1.3	.3	.3								5.2	3.8
E	4.8	5.8	1.9									12.6	4.4
ESE	4.5	3.5	.3									8.4	3.3
SE	4.5	1.6										6.1	3.1
SSE	1.3	2.9	1.0	.6								5.8	5.9
S	1.9	4.5	3.9	1.0								11.3	6.5
SSW	.3	.6	1.9	.6								3.5	8.1
SW	1.6	1.3		.3								3.2	4.3
WSW	1.0											1.0	2.3
W	.6	.6	1.6	.6								3.5	6.9
WNW	.6	.6										1.3	3.0
NW	1.6	1.3										2.9	2.9
NNW	.3	1.3	.6									2.3	5.9
VARBL													
CALM												18.7	
	30.3	29.7	17.1	4.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAY (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	1.3	1.9	2.3	1.6								7.1	6.8
NNE	1.0	1.0	2.3	.3								4.5	7.1
NE	.3	1.9	1.6									3.9	6.5
ENE	.3	1.6	1.0	1.0								3.9	7.4
E	1.3	4.9	4.2	.3								10.7	6.1
ESE	1.6	2.6	1.3									5.5	5.2
SE	1.3	3.2	1.6	.3								6.5	5.8
SSE	1.3	3.2	2.6	.3	.3							7.8	6.5
S	2.6	2.6	4.5	2.3								12.0	7.2
SSW	.6	1.9	1.0	3.8								7.4	9.7
SW	1.0	2.9	2.3	.6	.3							7.1	7.3
WSW	.3	1.9	1.3	.6								4.2	6.6
W	.6	2.3	1.3	.6	.3							5.2	7.1
WNW	.3	1.6	.6	.3								2.9	6.2
NW	.3	.6	.3	.6								1.9	7.3
NNW	.3	1.3	1.9									3.6	6.8
VARBL													
CALM												5.8	
	18.6	35.6	30.1	12.9	1.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93839	MEMPHIS, TN	73-92	MAY
STATION	STATION NAME	YEARS	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	1.6	1.4	2.3	.6								5.1	4.1
NNE	.6	.6	1.9	1.0								4.2	8.4
NE	1.3	2.6	1.6	1.3								6.8	6.9
ENE		1.5	.6	1.0								2.9	9.0
E	2.3	1.6	2.3	.3								6.5	5.6
ESE	.3	2.9	2.3	.3								5.8	6.8
SE	.6	1.0	1.6	.3								3.5	7.0
SSE	.3	1.6	2.3	1.6	.3							6.1	8.6
S	2.9	4.5	4.2	5.3	.3							17.7	8.3
SSW	.3	1.3	4.2	3.2		.3						9.3	10.3
SW	.3	1.6	2.6	2.3								6.8	8.9
WSW	.3	1.0	1.9	.6								3.9	7.8
W	2.3	1.6	1.9	.6								6.5	5.9
WNW	.6	1.3	1.9	.6								4.5	7.1
NW	.6	1.0	1.3	.3								3.2	6.9
NNW	1.0	1.0	1.9	.3								4.2	6.5
VARBL													
CALM												1.9	
	15.5	26.5	34.8	20.3	.6	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOB

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAY (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	.3	1.9	3.2	1.6								7.1	8.1
NNE	1.3	1.3	2.9	.6								6.1	6.6
NE		2.3	1.0	1.0								4.2	7.6
ENE	1.0	.3	1.3									2.6	5.0
E	2.3	3.2	3.8	1.0								10.3	6.3
ESE	.6	1.0	1.9	.6								4.2	7.4
SE		2.3	1.6	.6								4.5	7.6
SSE	.3	1.9	2.9	1.0								6.1	8.1
S	1.3	1.6	6.1	6.8	1.0	.3						17.1	10.2
SSW	.3	1.6	1.0	2.3	.6	.3						6.1	10.8
SW	.3	.3	1.9	1.6	.6							4.8	10.5
WSW		.3	1.6	1.6	.3							3.9	11.0
W	1.0	3.2	1.0	1.0	.3							6.5	6.7
WNW	1.0	.6	1.6	.6								3.9	7.5
NW	1.0	.3	1.3	.6								3.2	7.1
NNW	1.0	1.6	2.6	1.0								6.1	7.0
VARBL													
CALM												3.2	
	11.6	23.9	35.8	21.9	2.9	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAY (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	3.2	1.1	2.6	.3								7.4	5.1
NNE	2.3	3.3	1.0	.3								7.1	4.9
NE	1.3	4.2	1.3									6.8	5.0
ENE	1.6	1.3	1.0									3.9	4.8
E	1.3	3.2	2.6	.3								7.4	5.9
ESE	1.3	3.9	1.0									6.1	5.1
SE	1.3	3.9	1.6	.6								7.4	6.0
SSE	1.6	3.5	3.5	1.0								9.7	6.8
S	.6	1.9	4.8	1.9	.3							9.7	8.8
SSW	1.3	2.9	1.9	1.3	.3							7.7	7.0
SW	.6	2.3	2.3	.6								5.8	6.7
WSW	1.3	1.3	.6	.3	.3							3.9	6.3
W	.6	2.3	.6	.6								4.2	6.4
WNW	1.3	1.0	.3									2.6	4.5
NW	2.3	1.6	.3	.3								4.5	4.7
NNW	.6	1.0	.6	.3								2.6	6.9
VARBL													
CALM												3.2	
	22.6	39.0	26.1	8.1	1.0							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NUS. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

21 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.6	1.3									4.8	4.7
NNE	2.9	2.3	.6									5.8	3.7
NE	1.3	3.5	.3									5.2	4.9
ENE	3.9	1.6										5.5	3.2
E	9.0	4.5	.3									13.9	3.2
ESE	3.9	2.3	1.3									7.4	4.2
SE	4.5	3.5	2.3	.6								11.0	5.1
SSE	1.6	4.8	.3	1.0								7.7	5.5
S	1.6	1.6	2.9	.3	.3							6.8	6.8
SSW	1.0	.6	.6									2.3	4.9
SW	.6		1.3									1.9	7.2
WSW	.3	.3										.6	3.5
W	1.0	1.0	1.0	.3								3.2	6.0
WNW	1.3	.3										1.6	2.2
NW	.6	.3	.3	.3								1.6	4.0
NNW	1.6	1.0	.3									2.9	3.9
VARBL													
CALM												17.7	
	37.1	29.4	12.9	2.6	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

23479 (STATION) MEMPHIS, TN (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	1.3	1.7	1.8	.7								5.9	5.9
NNE	1.3	1.6	1.6	.3								4.8	5.9
NE	1.1	2.7	1.4	.3								5.4	5.6
ENE	1.3	1.6	.7	.3								4.5	4.8
E	4.7	4.0	2.1	.2								11.1	4.5
ESE	2.3	2.5	1.2	.1								6.2	4.7
SE	2.3	2.4	1.3	.4								6.4	5.2
SSE	1.1	2.9	1.8	.8	.1							6.8	6.7
S	1.6	3.7	3.8	2.6	.2	.0						11.2	8.0
SSW	.6	1.5	1.5	1.5	.2	.1						5.2	8.8
SW	.8	1.2	1.3	.7	.1							4.1	7.5
WSW	.5	.6	.8	.4	.1							2.5	7.3
W	.8	1.6	1.1	.6	.1							4.2	6.5
WNW	.9	.5	.6	.2								2.4	5.6
NW	1.0	.7	.6	.3								2.6	5.5
NNW	1.0	1.2	1.3	.2								3.7	5.8
VARBL													
CALM												12.9	
	27.6	30.0	22.8	9.8	.8	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUN (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	4.3	2.3	.7	.3								7.3	3.4
NNE	1.3	2.3	.3	.3								4.3	4.8
NE	1.3	1.3		.3								3.0	3.7
ENE	1.3	1.3										2.7	3.8
E	5.3	3.0	.7									9.0	3.4
ESE	5.0	.3	.7									6.0	3.1
SE	4.3	2.7	.3									7.0	3.3
SSE	2.3	2.7	1.7	.3								7.0	5.4
S	2.7	9.0	1.0	.3								13.0	4.9
SSW	1.7	1.3	1.3	.3								4.7	5.0
SW	2.3	1.3	.3									4.0	3.5
WSW	1.0	.7	.7									2.3	4.1
W													
WNW	.3	.3	.7									1.3	6.0
NW	.7	.3	.3									1.3	4.3
NNW	1.3	1.0	.3									2.7	4.0
VARBL													
CALM												24.3	
	35.0	30.0	8.7	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13740 MEMPHIS, TN 73-82 JUN
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	3.7	2.3										5.7	3.2
NNE	2.3	.7	.3	.7								4.0	4.8
NE	.3	1.3										1.7	4.0
ENE	1.3	.7										2.0	3.0
E	7.7	1.7	1.3									10.7	3.3
ESE	2.7	1.0	1.0									4.7	3.9
SE	4.0	2.3	.3									6.7	3.3
SSE	1.7	2.3	1.3									5.4	4.4
S	3.3	3.0	2.7	.7								9.7	5.5
SSW	1.7	1.7	1.3	.3								5.0	5.3
SW	1.3	1.3	.3									3.0	7.4
WSW	1.0	.7										1.7	3.8
W	1.7	.7		.3								2.3	4.0
WNW	.7		.3									.7	5.5
NW	2.3	1.0										3.3	2.8
NNW	2.7	.7	.3									.7	2.9
VARBL													
CALM												29.8	
	37.5	21.8	9.8	2.0								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

*U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-87 JUN
STATION STATION NAME YEARS 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	2.3	1.7										4.0	3.2
NNE	1.3	1.7	.3		.3							3.7	5.4
NE	.7	1.0	.3									2.0	4.5
ENE	1.7	.7	.7									2.7	3.9
E	3.7	3.0										6.7	2.9
ESE	4.0	2.7	.3									6.7	3.2
SE	5.4	3.3	.7									9.4	3.4
SSE	3.0	2.0	1.7									6.4	4.1
S	3.0	5.7	3.7	.7								12.0	6.0
SSW	2.3	2.3	1.7	.3								6.7	5.4
SW	1.0	2.7	.3									3.3	4.5
WSW	1.7	1.3	1.7									3.7	5.0
W	1.3	.7										2.0	2.7
WNW	.3	.3										.7	2.5
NW	.3	.7	.3									1.3	3.9
NNW	1.7	2.0	1.3									5.0	4.8
VARBL													
CALM												20.1	
	35.4	30.8	12.7	1.0	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

KMEM (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 09 (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	.3	1.7	3.7	.7								6.3	7.3
NNE	.7	1.7	1.3									3.7	5.0
NE	.3	2.0	2.7	.3								5.3	6.9
ENE		2.7	.7									3.3	4.9
E	2.3	2.7	1.7	.3								6.7	5.4
ESE	1.3	1.3										2.3	3.7
SE	.3	2.7	1.7	.3								5.0	6.3
SSE	2.3	3.3	1.3	1.3								7.3	6.9
S	2.7	5.3	5.7	1.7	.3							15.3	7.1
SSW	.7	1.3	4.7	1.3	.7							8.7	8.3
SW	1.7	3.3	6.3	3.0	.7							14.7	8.0
WSW	.7	.3	1.7	1.7								4.3	7.3
W	1.3	1.7	2.7	.7								6.3	6.2
WNW	.7	1.0	.7									2.3	5.3
NW	.7	1.3	1.3									3.3	6.6
NNW	.3	2.7	.7									3.7	5.0
VARBL													
CALM												5.7	
	15.7	33.3	34.7	10.3	1.0							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

8CUS GPO 1984 /41 348 /01

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13819 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUN (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	1.0	2.3	.7	1.3								5.3	6.5
NNE	.3	2.0	1.7	1.0								5.0	7.1
NE	1.0	1.3	1.0									3.3	5.2
ENE	1.7	1.0	2.0	.3								5.0	5.5
E	.3	2.3	1.3									4.0	5.6
ESE	1.0	2.0	1.7									4.3	5.6
SE	.7	1.3	.3	.3								2.7	5.0
SSE	.7	2.3	1.7	1.0								5.7	6.9
S	1.3	2.7	4.7	3.0	.3							12.0	8.4
SSW	1.3	3.0	3.7	3.0								10.7	8.3
SW	.7	1.7	4.0	4.3	.7							11.3	10.1
WSW	1.0	1.0	3.3	2.3	.3							8.0	8.7
W	1.7	2.3	2.7	1.3								8.0	7.0
WNW	.7	.3	1.7	1.0								3.7	8.0
NW	2.3	1.0	.7	.7								4.7	5.0
NNW	.3		2.0									2.3	7.9
VARBL													
CALM												4.0	
	16.0	26.7	32.3	19.7	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03855	MEMPHIS, TN	73-82	JUN
STATION	STATION NAME	YEARS	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	1.7	2.0	2.7	.7								7.0	6.3
NNE	.7	.7	2.0	1.0								4.3	8.1
NE	.3	.7	.7	.7								2.3	7.7
ENE	.3	1.3	1.0									2.7	6.1
E	1.0	3.0	1.3	1.0								6.4	6.1
ESE	2.0	1.7	.7	.7								5.0	5.3
SE	.7	1.3	1.7									3.7	5.9
SSE	.7	2.7	3.7	1.7								8.7	7.9
S	.7	2.0	4.3	4.0								11.0	9.1
SSW	1.0	3.0	3.0	4.7	.3							12.3	9.2
SW	.3	1.0	3.0	4.0								8.4	9.8
WSW	.7	1.0	2.0	2.3	.3							6.4	9.4
W	1.0	2.3	2.7	.7								6.7	6.6
WNW	1.3	1.0	1.0									3.3	5.1
NW	.3	.3	2.0	.7	.3							3.7	8.8
NNW	1.3	3.0	1.0	.7								6.0	5.9
VARBL													
CALM												2.3	
	12	27.1	32.6	22.7	1.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 18 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 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	4.3	2.0	.3								7.7	5.5
NNE	1.7	3.0	2.0									6.7	5.2
NE	1.0	1.7	1.0	.3								4.0	5.8
ENE	1.0	2.3	.3	.3								4.0	5.3
E	1.7	3.3	1.0									6.0	4.8
ESE	.7	4.3	1.0									6.0	5.5
SE	1.3	3.7	3.0	.3								8.3	6.1
SSE	1.0	3.7	4.0									8.7	6.4
S	1.3	5.0	8.7	3.3	.3							19.7	8.1
SSW		1.3	4.3	.3								6.0	8.9
SW	.7	3.3	3.3	.7								8.0	7.2
WSW	.7	1.0	1.3	.3								3.3	6.1
W	2.3	2.3	1.7	.3								6.7	5.1
WNW	1.0	.3	1.0									2.3	4.9
NW	1.3	1.7	1.0									3.7	5.0
NNW		1.0	1.3	.3								2.7	7.4
VARBL													
CALM												1.3	
	16.3	42.3	33.0	6.7	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUN (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	3.3	.7	.7									4.7	3.6
NNE	4.0	3.0	.7		.3							8.0	4.3
NE	3.0	1.7										4.7	3.1
ENE	3.7	1.0	.7									5.4	3.9
E	4.0	3.7	.3									8.0	3.6
ESE	4.3	2.7										7.0	3.1
SE	3.7	2.7	1.7									8.0	4.4
SSE	2.7	6.0	2.7	.3								11.7	5.0
S	3.0	4.3	2.0	.7								10.0	5.5
SSW	2.0	4.3	.7									7.0	4.2
SW	.7	2.0		.3								3.0	5.1
WSW	.7	.7										1.3	3.3
W	2.3	.7										3.0	2.6
WNW	.3	.3	.3									1.0	5.3
NW	1.0		.3	.3								1.7	5.6
NNW	1.7	.3										2.0	1.7
VARBL													
CALM												13.4	
	49.5	36.1	10.0	1.7	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13719 (STATION) MEMPHIS, TN (STATION NAME) 73-87 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	2.2	1.3	.4								6.0	5.0
NNE	1.5	1.9	1.0	.4	.1							4.9	5.5
NE	1.1	1.4	.7	.2								3.3	5.2
ENE	1.3	1.4	.6	.1								3.4	4.5
E	1.5	2.8	1.0	.7								7.4	4.1
ESE	2.6	1.9	.4	.1								5.3	4.1
SE	2.5	2.5	1.2	.1								6.3	4.6
SSE	1.9	1.1	2.2	.5								7.6	5.8
S	2.1	4.6	3.5	1.6	.1							12.2	6.9
SSW	1.3	2.3	2.5	1.3	.1							7.5	7.2
SW	1.1	2.0	2.2	1.5	.1							6.9	7.6
WSW	.9	.8	1.3	.8	.1							3.8	7.3
W	1.4	1.3	1.2	.8								4.4	5.5
WNW	.6	.5	.7	.1								1.9	5.8
NW	1.3	.6	.7	.2	.0							3.0	5.1
NNW	1.2	1.3	.9	.1								3.5	5.0
VARBL													
CALM												12.5	
	26.3	30.7	21.6	8.3	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2396

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: 13893 MEMPHIS, TN (STATION NAME) — YEARS: 73-82 — MONTH: JUL

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	1.0			.5								1.6	6.8
NNE	2.3	.6	.7									3.2	3.9
NE	1.3	1.9	.7	.3								3.9	4.8
ENE	3.2	1.0										4.2	2.4
E	7.1	2.3	.7	.6								10.7	3.4
ESE	4.5	.6	.3									5.8	2.6
SE	5.8	3.2	.6									9.7	3.7
SSE	2.6	2.6	.3	.3								5.8	4.4
S	2.6	4.2	1.6									8.4	4.9
SSW	2.9	2.6										5.5	3.3
SW	1.5	1.6										3.2	3.2
WSW	.6	.6										1.3	2.8
W	1.3					.3						1.6	5.8
WNW	.6	.3			.3							1.3	7.0
NW	.6											.6	2.5
NNW	2.3	.3										2.6	2.5
VARBL													
CALM												31.0	
	42.6	21.9	3.2	1.9	.3	.3						100.2	2.4

TOTAL NUMBER OF OBSERVATIONS: 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13939 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUL (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	1.3	1.0										2.3	2.5
NNE	1.1	1.0	.1									2.6	3.5
NE	1.6	1.6	.1									3.5	3.8
ENE	2.3	1.9	.1									5.2	3.1
E	5.5	1.1	.6	.3								7.7	3.3
ESE	5.5	3.2										8.7	3.1
SE	2.3	1.3										3.2	3.0
SSE	3.2	2.3	.1									5.8	3.6
S	2.3	3.3		.6								7.3	8.3
SSW	2.8	1.3	1.0									5.2	3.9
SW	4.1	1.1	.1									5.8	2.8
WSW	1.1	.1										1.6	2.6
W	.6	.1	.1									1.1	3.8
WNW	.1		.1									.6	4.0
NW	1.1											1.1	1.5
NNW	.6											.6	1.5
VARBL													
CALM												33.5	
	41.0	20.6	3.9	1.0								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (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	2.3	1.0	.6									3.9	3.7
NNE	.6	.6	.3									1.6	4.2
NE	1.0	1.9	.3									3.2	3.9
ENE	2.9	1.0	.6									4.5	3.4
E	5.2	2.9	.6									8.7	3.3
ESE	3.5	1.0										4.5	2.4
SE	4.8	1.0	.6									6.5	3.1
SSE	3.9	2.9	.6									7.4	3.7
S	4.8	3.9	.6									9.4	3.8
SSW	3.9	1.3	.6									5.8	3.3
SW	3.9	2.9	.3	.3								7.4	3.7
WSW	1.0	.3	.3	.3								1.9	5.0
W	1.3											1.3	2.3
WNW	.3			.3								.6	8.0
NW	1.3			.3								1.6	3.9
NNW	1.3	1.0	.3									2.3	3.9
VARBL													
CALM												27.4	
	43.5	21.6	6.1	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

☆U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893	MEMPHIS, TN	73-82	JUL
STATION	STATION NAME	YEARS	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	1.7	.6	1.6	.3								3.9	5.8
NNE	1.3	1.0	1.0	.6								3.5	6.2
NE	.6	3.2	1.0									4.8	5.1
ENE	.6	1.3										1.9	4.7
E	1.6	1.6	1.6	.6								5.5	6.1
ESE	1.3	2.6	.3									4.2	4.5
SE	.3	1.0	1.3									2.6	6.8
SSE	2.3	1.6	.3									4.2	3.5
S	5.2	6.8	2.6	1.0								15.5	5.0
SSW	.6	4.5	3.2									8.4	6.0
SW	1.0	3.5	3.5									8.1	6.3
WSW	2.6	2.9	4.5	.3								10.3	5.9
W	3.9	4.5	3.9	.6								11.9	5.8
WNW	2.3	1.3	.3									3.9	3.4
NW	.6	.6	1.0									2.3	5.0
NNW	1.3	.6	.6									2.6	4.3
VARBL													
CALM												6.5	
	25.5	37.7	26.9	3.5								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

* U.S. GPO 1984 741 448 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

23169 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 12 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	1.6	1.7	.7								5.2	4.8
NNE	2.3	1.6	1.9	.3								6.1	5.2
NE	.6	1.9	1.6	.3								4.5	6.2
ENE	1.6	1.0	.6									3.2	4.6
E	1.9	1.0	1.9									4.8	5.3
ESE	.7	1.6	.7	.3								2.6	6.3
SE	.6	1.6	1.0	.3								3.5	6.2
SSE	1.6	1.7	1.6									5.2	5.4
S	2.9	4.2	2.9	.3								10.3	5.4
SSW	.3	2.9	2.4	.6								6.5	6.8
SW	1.9	2.6	4.8	1.3								10.6	7.1
WSW	1.3	2.9	3.2									8.1	5.2
W	2.9	5.5	3.2	.7								11.9	5.3
WNW	1.0	1.3	1.3									5.8	4.9
NW	2.3	2.3	1.0									5.5	4.7
NNW	.3	.3	1.0	.3								1.9	7.3
VARBL													
CALM												9.2	
	26.1	34.2	31.2	9.5								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

USCS GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 72-82 (YEARS) JUL (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	1.6	2.2	1.6									5.1	5.4
NNE	1.6	1.6	1.9	.3								5.2	5.4
NE	1.2	1.9	1.9	.3								5.2	6.1
ENE	1.2	1.3	1.2									3.5	4.9
E	1.6	2.3	2.2	.6	.3							7.1	6.9
ESE	.6	1.6		.6								2.9	6.1
SE	.3	1.6	2.9									4.8	6.9
SSE	1.2	1.0	1.2	.2								3.9	5.3
S	1.2	2.9	3.2	1.3								8.4	6.6
SSW	1.9	1.9	4.2	1.6								9.7	7.4
SW	.3	1.9	5.2	1.3								8.7	7.9
WSW	2.3	1.3	2.6	.6								6.8	6.3
W	1.3	2.9	2.3	.3								6.8	6.0
WNW	2.2	3.2	.6	.6								7.4	4.8
NW	1.3		.6		.3							2.3	5.9
NNW	1.2	2.3	1.6									4.8	5.4
VARBL													
CALM												4.5	
	21.6	31.3	33.2	8.1	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

#U.S. GPO 1984 741 348/ 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

18 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.9									6.1	4.9
NNE	1.9	2.9	1.3	.6								6.1	6.1
NE	3.2	4.3	.6		.3							9.0	4.4
ENE	2.3	1.0	.7									3.5	5.8
E	.3	2.9	2.3	.6								6.1	7.6
ESE	.3	2.4	.6	.3								3.9	5.8
SE	1.0	3.2	1.7	.3								5.6	5.8
SSE	1.6	2.9	1.0									5.5	5.2
S	2.7	4.5	1.9	.3								9.0	5.5
SSW	2.9	6.5	3.9									13.2	5.3
SW	1.3	3.5	1.6									7.1	4.9
WSW	1.0	3.2	1.9	.3								6.4	5.9
W	1.0	2.3	1.0									4.3	4.8
WNW	1.3	1.0	.3									3.2	3.3
NW	.6	.5	.6									1.9	5.0
NNW	1.0	1.9										2.9	4.1
VARBL													
CALM												4.8	
	29.2	45.3	22.3	2.6	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93819 MEMPHIS, TN 73-82 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	2.3	.6	1.0		.6							4.5	6.1
NNE	2.2	.3										4.5	2.5
NE	2.3	1.6	.3									4.2	3.7
ENE	4.5	2.3	.6									7.4	3.4
E	6.1	1.6	1.3									9.0	3.6
ESE	6.5	1.6	1.0	.7								8.7	3.7
SE	4.3	1.9	.6									7.1	3.6
SSE	4.5	2.9	.6	.3								8.4	4.0
S	5.2	3.2	2.6	.7								11.3	4.8
SSW	2.5	3.2	.3									7.1	3.6
SW	1.6	1.9										3.9	1.3
WSW		1.6	.7									1.7	5.5
W	1.6	.3										1.9	2.7
WNW	.3											.6	1.0
NW	1.3											1.3	1.5
NNW	.6											.6	1.0
VARBL													
CALM												18.1	
	47.7	21.9	8.7	1.0	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 JUL
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]	1.7	1.0	.2	.1							4.0	4.8
NNE	1.8	1.1	1.0	.2								4.2	4.9
NE	1.2	2.4	.8	.1	.0							4.6	4.8
ENE	2.4	1.7	.4									4.5	3.7
E	3.7	2.0	1.2	.4	.0							7.3	4.0
ESE	3.1	1.6	.7	.2								5.4	3.8
SE	3.5	1.9	1.0	.1								6.5	4.4
SSE	2.6	2.2	.8	.1								5.9	4.4
S	3.1	4.2	1.9	.5								10.1	5.0
SSW	2.4	3.0	2.1	.3								7.7	5.2
SW	2.1	2.4	2.0	.4								6.9	5.4
WSW	1.7	1.6	1.7	.2								4.7	5.7
W	1.3	2.1	1.7	.2		.0						5.1	5.3
WNW	1.3	1.2	.4	.1	.0							2.9	4.4
NW	1.2	.4	.4	.0	.0							2.1	4.2
NNW	1.0	.9	.4	.0								2.3	4.3
VARBL													
CALM												16.1	
	34.0	29.4	17.1	3.0	.2	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2490

SMOS

*U.S. GPO 1984 741-348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13875 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (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	2.9	1.3	.3									4.5	3.3
NNE	1.6	4.2										5.8	4.2
NE	1.6	3.6	.3									5.5	4.0
ENE	2.3	1.0	.6									3.9	3.4
E	9.4	1.3	.3									11.0	2.4
ESE	5.8	2.3										8.1	2.5
SE	6.1	2.9	.6									9.7	3.2
SSE	3.2	2.9	1.0									7.1	4.0
S	2.3	2.3	1.9									6.5	4.8
SSW	.3	.6	.6									1.6	5.4
SW	.3	1.3	.6									2.3	5.1
WSW													
W													
WNW	.3											.6	2.0
NW	1.6	.3										1.9	2.0
NNW	1.0											1.0	1.7
VARBL													
CALM												30.6	
	39.0	23.9	6.5									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 03 (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	3.2	1.2	.6									4.8	3.3
NNE	.6	.6	.3									1.6	4.6
NE	1.5	1.3	.6									3.5	3.7
ENE	3.2	1.3										4.5	2.6
E	9.4	.6	.3									10.3	2.3
ESE	9.1	1.9	.6									10.6	2.7
SE	4.8	.6										5.5	2.3
SSE	2.9	2.3	1.2									6.1	4.0
S	2.9	3.2	1.0									7.1	4.6
SSW	.3	2.6	1.3									4.2	5.7
SW	1.0	.6	.3									1.9	3.7
WSW	.6											.6	1.5
W	1.6											1.6	2.0
WNW													
NW	.6											.6	1.5
NNW	2.3	1.0										3.3	3.2
VARBL													
CALM												33.5	
	43.2	17.1	6.1									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

KMEM (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 06 (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	3.9	3.2	.6									7.7	3.9
NNE	1.0	1.0	1.0									2.9	5.2
NE	2.7	.6	.6									3.5	3.7
ENE	1.6	.6										2.3	2.7
E	11.9	2.6	.3									14.8	2.3
ESE	7.1	.3	.3									7.7	2.3
SE	3.5	2.3										5.8	3.1
SSE	4.8	2.9		.3								8.1	3.3
S	3.2	1.3	1.3									5.8	4.3
SSW	1.3	2.9	.3									4.5	4.1
SW	1.0	.6	.3									1.9	4.3
WSW	.6											.6	1.0
W	1.3	.6										1.9	3.0
WNW	.3	.3										.6	3.0
NW	.3											.3	2.0
NNW	.3	.6		.3								1.3	6.8
VARBL													
CALM												10.0	
	45.5	20.0	4.4	.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93839	MEMPHIS, TN	73-82	AUG
STATION	STATION NAME	YEARS	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	2.6	1.0	.6								5.8	5.4
NNE	.3	2.3	1.3									3.9	6.3
NE		2.6	1.9									4.5	6.6
ENE	.3	1.3	.6									2.3	5.6
E	4.2	3.5	.6									8.4	3.6
ESE	2.9	1.9										4.8	3.2
SE	2.9	2.3	.6	.3								6.1	4.4
SSE	2.6	1.9	2.6									7.1	5.3
S	2.9	4.8	1.9	.6								10.3	5.2
SSW	1.3	5.8	3.9	1.3								12.3	6.6
SW	1.6	3.2	5.2	.6								10.6	7.1
WSW	1.3	1.9	3.2									6.5	6.2
W	2.3	1.9	1.0									5.2	4.2
WNW		.6										.6	4.5
NW		.3	.3									.6	6.5
NNW	2.3	1.3										3.5	2.8
VARBL													
CALM												7.4	
	26.5	38.4	24.2	3.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

WU.S. GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (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	3.2	1.2	.3								7.1	4.8
NNE	.7	2.6	1.6	.6								5.2	6.9
NE	1.6	1.3	1.9	.6								5.5	6.1
ENE	1.0	1.3	.6	.3								3.2	5.6
E	2.3	1.9	.3									4.5	3.8
ESE	2.6	1.6										4.2	2.8
SE	1.0	1.6	1.0	.3								3.9	5.4
SSE	.3	.6	1.2									2.3	6.3
S	.6	4.5	3.9	.6								9.7	6.6
SSW	.6	2.6	3.2	1.3								7.7	7.7
SW	1.6	2.6	6.5	1.0								11.6	7.4
WSW	1.2	2.2	3.5	1.0								8.7	7.0
W	3.9	4.2	1.9	.3								10.3	4.7
WNW	1.0	1.9	.6									3.5	4.4
NW	1.6	1.6										3.2	3.8
NNW	1.3	2.6	1.6	1.3								6.8	6.8
VARBL													
CALM												2.6	
	23.2	37.1	29.4	7.7								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

RU S GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (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	2.3	4.9	3.9	1.3								12.3	6.1
NNE	1.9	1.3	4.2	.6								8.1	7.0
NE	1.1	1.3	.6	1.3								4.2	5.9
ENE	1.3	.3	1.6	.3								3.9	5.9
E	1.9	2.6	1.6									6.1	4.9
ESE		1.6	.3	.3								2.3	6.0
SE	1.6	2.9	1.0									5.5	4.9
SSE		2.2	.6	.3								3.2	6.1
S	1.3	3.5	3.2	2.6								10.6	7.5
SSW	.6	1.9	3.2	1.9	.3							8.1	8.3
SW	.6	2.3	3.5	.6								7.1	7.1
WSW	1.3	1.9	2.3	1.0								6.5	6.9
W	1.9	3.2	2.2	.3								7.7	5.3
WNW	1.3	1.7	.3	.3								3.9	4.6
NW	.6	1.9	.6									3.2	5.2
NNW	1.6	1.9	.6									4.2	4.5
VARBL													
CALM												3.2	
	19.7	36.1	30.2	12.6	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

* U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93134	MEMPHIS, TN	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	5.5	3.2	.3								14.2	4.8
NNE	2.6	2.6	2.1									7.4	5.3
NE	4.2	2.1	.4									7.7	3.5
ENE	3.5	1.6										5.2	3.1
E	2.9	1.9	.6	.3								5.8	4.6
ESE	2.6	1.7	1.9	.3								5.8	5.2
SE	1.9	2.1	.3									4.5	4.1
SSE	.6	2.1	1.6	.3								4.8	6.3
S	1.3	3.9	4.5									9.7	6.5
SSW	1.3	4.2	1.3									7.4	4.7
SW	1.3	3.2	2.6									6.8	5.8
WSW	2.6	2.9	1.0									6.5	4.2
W	2.3	.3										2.6	2.0
WNW	1.3	1.0		.3								2.6	4.0
NW	1.3	.3										1.6	2.2
NNW	.3	2.6										2.9	4.9
VARBL													
CALM												4.5	
	35.5	38.4	20.0	1.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (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	3.2	1.6	1.0									7.7	3.4
NNE	2.9	4.2	1.9									8.9	4.3
NE	1.0	2.3	.3									3.5	4.5
ENE	2.6	1.0	.6									4.2	3.2
E	1.0	3.2	.3									13.5	2.7
ESE	3.5	2.9	.3	.3								7.1	3.8
SE	4.2	4.7										9.0	3.4
SSE	3.5	4.2	.6									9.0	3.8
S	1.6	2.6	1.9									6.1	5.2
SSW	1.3	.6										1.9	2.8
SW	.6	.3		.3								1.1	5.5
WSW		.3										.3	4.0
W	.3	.3										.6	4.5
WNW	1.0											1.0	1.7
NW	1.0											1.0	1.7
NNW	1.3	.3	.6									2.3	3.9
VARBL													
CALM												72.9	
	40.6	28.7	7.1	.8								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	2.9	1.5	.3								8.0	4.6
NNE	1.4	2.3	1.5	.2								5.4	5.5
NE	1.7	2.1	.5	.2								4.8	4.7
ENE	2.0	1.1	.5	.1								3.7	3.9
E	4.5	2.2	.6	.0								7.3	3.0
ESE	4.1	1.7	.4	.1								6.3	3.3
SE	1.3	2.4	.4	.1								4.2	3.7
SSE	2.3	2.6	1.1	.1								6.0	4.5
S	2.0	1.3	2.5	.5								6.2	5.8
SSW	1.0	2.7	1.7	.6	.0							6.0	6.3
SW	1.0	1.8	2.4	.3								5.4	6.5
WSW	1.0	1.2	1.2	.2								3.7	6.0
W	1.7	1.3	.6	.1								3.7	4.3
WNW	.7	.7	.1	.1								1.6	4.2
NW	.9	.6	.1									1.6	3.5
NNW	1.3	1.3	.4	.2								3.1	4.7
VARBL													
CALM												16.9	
	34.0	30.3	16.0	3.1	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

GPO 1984 741 648 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

21-10	MEMPHIS, TN	73-82	SEP
STATION	STATION NAME	YEARS	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	3.7	3.0	.7	.7								8.0	4.6
NNE	1.7	2.3	1.0									5.0	4.7
NE	2.3	2.7	.7									5.7	4.1
ENE	3.7	2.0										5.7	3.0
E	7.7	3.3										11.0	2.8
ESE	2.7	1.0	.7									4.3	3.5
SE	2.0	1.0										3.0	3.1
SSE	2.3	2.0	1.0									5.3	4.1
S	.7	3.0	1.0									4.3	5.1
SSW	.7	1.0	.7	.3								2.3	5.3
SW	.3											.3	1.0
WSW	.3	.3										.7	4.0
W		.7										.7	4.0
WNW	1.0		.3									1.3	3.3
NW	2.0	.7										2.7	2.1
NNW	2.7	1.3	.3									4.3	3.4
VARBL													
CALM												35.7	
	33.3	24.3	6.0	1.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-92 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER 03
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	4.7	2.3	1.7	.7								8.7	4.4
NNE	2.0	1.3	1.0	.3								4.7	5.4
NE	2.0	1.7	.3									4.0	3.5
ENE	1.0	1.7	.3									3.0	3.3
E	2.3	3.3										12.7	2.6
ESE	4.7	1.7	.3									6.7	2.8
SE	3.0	1.3	.3									4.7	3.3
SSE	2.0	1.0	.3									3.3	3.7
S	2.0	1.7	1.0									4.7	4.5
SSW	1.7	1.3										2.7	3.8
SW	.7		.7									1.0	4.3
WSW	.3											.3	2.0
W													
WNW	1.0	.7	.7									1.7	3.6
NW	1.7	.7	.3									3.7	2.9
NNW	3.0	.7										3.7	2.6
VARBL													
CALM												70.7	
	41.7	21.0	5.7	1.0								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741-348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

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

ALL WEATHER 06
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	3.0	3.7	1.3	.7								8.0	5.0
NNE	2.7	2.7	.7	.3								6.0	4.0
NE	1.0	.7	.7									2.3	5.0
ENE	1.3	2.3	.7									4.3	5.9
E	11.7	2.7										14.3	2.3
ESE	3.0	1.0	.7	.3								7.7	3.0
SE	2.3	2.0	.3									4.7	3.6
SSE	2.3	1.7										4.0	3.3
S	2.0	1.7	1.0									4.7	4.8
SSW	1.0	.3	.7									2.0	4.0
SW	.7											.3	1.0
WSW	.7	.7										1.3	3.5
W	.7											.3	2.0
WNW	1.7											2.3	1.9
NW	2.0		.7									2.7	3.5
NNW	3.7	.7	.7	.3								4.3	3.9
VARBL													
CALM												11.0	
	41.3	19.7	6.7	1.7								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

* U.S. GPO 1984 741 148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (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	2.3	4.0	3.3	1.7								11.4	6.5
NNE	2.3	3.3	1.3	.7								7.4	5.5
NE	2.0	2.0	2.0	.7								6.7	5.7
ENE	1.7	3.0	.7									5.0	4.9
E	2.7	4.3	2.7									9.4	5.1
ESE	3.0	3.3	1.3									7.7	4.4
SE	2.0	1.3	1.0	.7								5.0	5.8
SSE	3.0	3.0	2.0									8.0	4.7
S	1.7	2.3	1.7	.7								6.4	5.7
SSW	2.7	4.0	2.3	.7								9.0	5.7
SW	1.0	.7	.3	.7								2.7	6.6
WSW		1.3	.3									1.7	6.2
W	.7	1.3	.7									2.0	4.8
WNW	1.7	1.3	.7									3.3	4.8
NW	.7	1.3	.3									2.3	4.8
NNW	.7	1.7	1.0	.3								3.7	6.1
VARBL													
CALM												8.7	
	23.4	38.1	22.7	6.0								100.2	5.0

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

* U.S. GPO 1984 /41 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] [illegible], TN 77-82 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER 12
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	2.7	3.2	4.0	2.0								11.9	7.3
NNE	2.7	3.7	1.7	1.0								9.1	7.3
NE	1.7	2.7	2.3	.7								7.4	6.1
ENE	2.0	2.7	1.0									5.3	4.3
E	2.0	3.3	1.7									7.0	4.9
ESE	1.0	1.0	1.0	.7								4.7	6.6
SE	.7	1.7	1.7									4.0	6.3
SSE	.3	1.3	2.0	.7								4.3	7.7
S	2.0	2.3	3.0									7.7	5.3
SSW	1.7	1.7	2.0	1.7	.3							7.4	5.2
SW	.7	2.0	2.3	1.7								7.3	7.8
WSW	1.0	1.7	1.0									3.7	5.2
W	1.0	1.0	.7									3.0	4.7
WNW	1.7	1.0	.7									3.4	4.4
NW	1.7	1.7	1.7	.7								5.8	5.8
NNW	1.7	1.7	2.0	1.0								6.7	6.5
VARBL													
CALM												3.7	
	23.7	34.0	29.0	9.7	.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 402

SMOS

AUS GPO 1984 741 148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 15 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	6.7	8.7	1.7	.3							20.0	6.7
NNE	1.3	2.3	2.0	.7								6.3	5.8
NE	1.7	2.7	1.7	.7								6.7	5.8
ENE		2.3	1.0									3.3	6.1
E	1.0	3.7	1.3									8.0	4.2
ESE	.7	1.3	1.7	.3								4.0	6.8
SE	1.7	1.3	.7	.3								4.0	4.5
SSE	1.0	1.0	1.0									3.0	5.4
S	1.7	1.3	3.7	.3								7.0	6.7
SSW	1.0	.3	1.7	1.3								4.3	7.9
SW	1.7	1.7	2.0	1.0								6.3	6.5
WSW	.3	1.7	1.3									3.3	5.6
W	1.3	3.0										4.3	4.2
WNW	1.3	1.0	.3									2.7	3.9
NW	.7	1.0	.7	.3								2.7	5.5
NNW	.7	4.7	4.3	.7								10.3	6.7
VARBL													
CALM												3.7	
	23.7	36.0	32.0	7.3	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 18 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	14.7	6.7	1.7	1.7								24.7	4.0
NNE	6.0	2.7	.3									9.0	3.1
NE	3.7	3.7	.3	.3								8.0	3.8
ENE	4.7	2.7										7.3	3.0
E	3.7	2.7										6.3	3.2
ESE	1.7	1.0	.7									3.3	4.6
SE	.3	1.7	.3									2.3	4.9
SSE	1.7	2.7	1.0	.3								5.7	5.1
S	1.7	2.7	1.0									5.3	4.5
SSW	.7	.7	.7									2.0	5.0
SW	.7	1.3										2.0	3.8
WSW	1.0	.3										1.3	2.5
W	1.0	.3	.3									1.7	3.0
WNW	.7	.3										1.0	2.7
NW	1.7	1.0	.7									3.3	4.1
NNW	4.7	.3	.7	.3								5.7	3.0
VARBL													
CALM												11.3	
	48.0	30.7	7.3	2.7								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 21 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	3.3	.7	.3								8.7	4.0
NNE	4.7	2.7	1.7									9.0	4.0
NE	2.0	2.7	.3									5.0	4.2
ENE	4.0	1.7		.3								6.7	3.6
E	7.3	2.7	1.0									10.7	3.9
ESE	3.7	2.3										6.0	3.2
SE	1.3	1.0	.3	.3								3.0	4.4
SSE	2.0	2.7	1.0									5.7	4.4
S	.7	3.0	.7	.3								4.7	5.6
SSW	1.3	1.0										2.3	3.4
SW	.3	.7		.3								1.3	5.8
WSW		.3										.3	4.0
W	.3	.3	.3									1.0	5.0
WNW	.7											.7	2.5
NW	1.7		1.0									2.7	4.1
NNW	2.3	1.3	.7	.3								4.7	4.2
VARBL													
CALM												28.3	
	36.3	25.7	7.7	2.0								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

USCS GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03875 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.7	4.1	2.6	1.2	.0							12.6	5.3
NNE	2.9	2.8	1.2	.4								7.3	4.7
NE	2.0	2.3	1.0	.3								5.7	4.9
ENE	2.3	2.3	.5	.0								5.3	3.8
E	3.8	3.3	.8									9.9	3.4
ESE	2.9	1.5	.8	.2								5.4	4.1
SE	1.7	1.4	.6	.2								3.8	4.5
SSE	1.8	1.9	1.0	.1								4.9	4.8
S	1.5	2.3	1.6	.2								5.6	5.3
SSW	1.2	1.3	.9	.5	.0							4.0	6.0
SW	.7	.9	.6	.5								2.7	6.4
WSW	.5	.8	.3									1.6	4.9
W	.5	.9	.2									1.6	4.2
WNW	1.3	.5	.2									2.0	3.7
NW	1.5	.8	.7	.1								3.1	4.2
NNW	2.3	1.5	1.2	.4								5.4	5.0
VARBL													
CALM												19.1	
	33.9	28.7	14.3	3.9	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[13]39 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	1.9	2.2	3.2	1.0								9.0	6.1
NNE	.6	2.3	1.3	.3								4.5	6.2
NE	1.0	.6	1.0									2.6	5.1
ENE	1.9	.6	.7									2.9	3.3
E	6.8	1.3			.3							8.4	3.0
ESE	7.1	1.0	1.6									9.7	3.4
SE	1.6	3.2	.3	.3								5.5	4.4
SSE	1.9	2.3	1.9	.3								6.5	5.4
S	1.0	1.0	1.3									2.9	5.1
SSW	.3	1.3	.6									2.3	5.6
SW	.3	.3										.6	3.5
WSW	.6	.6	.7									1.6	4.0
W		.3										.3	4.0
WNW	1.9	.3	.6									2.9	3.6
NW	1.6	.6		.3								2.6	4.1
NNW	1.9	1.0	1.3	.3								4.5	5.2
VARBL													
CALM												33.2	
	30.6	19.7	13.5	2.6	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NOS GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 03 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	3.2	1.3								9.7	6.3
NNE	1.0	1.9	1.0									3.9	5.4
NE	2.6	1.3	.6									5.2	3.6
ENE	1.0											1.0	2.3
E	10.0	2.6										12.6	2.8
ESE	5.8	1.9										7.7	2.5
SE	2.3	1.0	1.0	.3	.3							4.8	5.9
SSE	1.6	3.2	1.3									6.1	5.0
S	1.3	.6	1.3									3.2	5.2
SSW		.6	.6		.3							1.6	8.2
SW	1.0	.3	.3									1.6	4.6
WSW	.6											.6	2.0
W	1.0	.6										1.6	3.2
WNW	1.0	1.0		.3								2.3	4.6
NW	2.0	.6	.3	.3								3.9	4.3
NNW	1.9	.6	.3	.3								3.2	4.0
VARBL													
CALM												31.0	
	36.1	19.7	10.0	2.6	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

* U.S. GPO 1984 741 448 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) OCT (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	2.3	4.5	1.6	1.3								9.7	5.8
NNE	1.3	.3	1.3									2.6	5.6
NE	.6	1.9										2.6	3.4
ENE	1.9	1.9										3.9	3.2
E	9.1	2.9	.6									12.6	2.8
ESE	5.8	2.9	.6									9.4	3.3
SE	4.5	1.6	.6	.3								7.1	4.0
SSE	1.0	2.3	1.0	.6								4.9	6.2
S	.3	1.0	1.3									2.6	5.9
SSW	.3	.6	.3		.3							1.6	8.0
SW	1.3	.6										1.9	2.7
WSW	1.0											1.0	2.7
W	.6	.3										1.0	3.3
WNW	1.3		.3									1.6	3.0
NW	1.3	1.0		.3								2.6	4.1
NNW	1.7	1.9	.6	1.0								4.5	6.4
VARBL													
CALM												30.4	
	33.3	23.9	8.4	3.6	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

* U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 OCT
STATION STATION NAME YEARS MONTH

ALL WEATHER 09
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	.8	2.2	2.7	2.9								9.7	8.6
NNE	1.1	1.3	1.7	.3								3.9	6.7
NE	.7	1.4	.5									2.6	5.8
ENE	.7	1.3	1.6	1.3								4.5	8.6
E	2.9	1.6	1.7	1.3								7.4	5.9
ESE	1.1	1.3	1.6	.3								4.2	6.3
SE	1.3	3.2	1.5	.6								7.4	5.9
SSE	2.2	2.5	4.2									11.0	5.5
S	2.6	1.9	3.2	3.2								12.9	7.2
SSW	2.9	2.3	2.6	.6								8.4	5.5
SW	.7	2.6		.3	.6							3.9	7.8
WSW	.6	1.3	1.0									2.9	5.2
W	1.9	2.3	1.0	.3								5.5	5.0
WNW		1.6	.3									1.9	5.7
NW	1.3	.6	2.3	.6								4.8	7.1
NNW	.6	1.0	.6	1.6								3.9	8.1
VARBL													
CALM												5.2	
	21.6	32.6	28.8	13.2	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03679 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 12 (HOURS (L.S.T.))

(CONDITIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.7	2.6	2.3								7.7	8.2
NNE	1.0	1.3	1.9	.3								4.5	6.4
NE	.7	1.3	1.3	1.3								4.2	8.4
ENE	1.0	.3	.6									1.9	4.8
E	.3	1.6	.6	1.0								3.5	7.3
ESE	1.7	.3	1.3	.3								3.5	5.6
SE	1.6	.6	1.0	1.0								4.2	6.5
SSE	1.6	2.6	2.6	.6	.3	.3						8.1	7.4
S	2.6	3.5	5.5	2.9								14.5	7.6
SSW	1.9	2.3	3.5	2.3								10.0	7.6
SW	1.6	1.7	1.6	2.6								7.1	8.2
WSW	1.7	.6	1.6	1.0								4.2	7.5
W	1.0	2.9	1.6	.6	.3							6.5	6.9
WNW	.7	1.3	1.6	1.0								4.2	7.2
NW	1.7	1.0	2.3	1.3								6.5	7.4
NNW	1.0	.6	2.9	1.0								5.5	7.5
VARBL													
CALM												3.9	
	17.4	24.2	33.2	19.4	.6	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

4

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739	MEMPHIS, TN	72-82	OCT
STATION	STATION NAME	YEARS	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	1.0	2.4	4.8	2.9	.3							12.3	8.1
NNE	.6	1.3	1.6	.3								3.9	6.6
NE	1.2	1.5	1.0									3.5	5.2
ENE	.3	.3	1.0									3.5	4.0
E	1.9	1.9	.6	.3								4.6	5.1
ESE	1.3	1.3	1.3									3.9	5.2
SE	1.9	1.2	1.3	1.3								5.8	6.6
SSE	1.9	1.6	2.3	1.6								7.4	7.3
S	1.0	3.2	4.5	2.3								11.0	8.0
SSW	.6	1.3	3.2	1.3								7.1	8.2
SW	1.6	3.2	1.9	1.6								8.4	6.8
WSW	1.3	1.6	1.3	.3								4.5	5.9
W	.3	2.9	1.3	1.0	.3							5.3	7.6
WNW	1.3	1.3	2.3									4.8	5.9
NW	1.0	2.3	.6	1.0								4.8	6.4
NNW	.6	1.9	1.3	1.6								5.5	8.2
VARBL													
CALM												2.9	
	20.3	29.7	31.0	15.5	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] MEMPHIS, TN 77-82 OCT
STATION STATION NAME YEARS MONTH

ALL WEATHER 18
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	4.1	5.3	.6	1.3								11.9	4.5
NNE	3.7	2.3										7.4	2.8
NE	3.9	.3	.3									4.5	2.5
ENE	2.9	1.3										4.2	3.0
E	4.8	1.9	.3									9.0	2.9
ESE	1.6	2.9	.6									5.2	4.6
SE	1.6	2.6	2.3									6.5	5.2
SSE	2.3	2.3										4.5	3.5
S	3.5	3.9	.6	.3								8.4	4.5
SSW	2.0	1.3										4.5	2.9
SW	2.6	.6										3.2	2.6
WSW	.7		.3	.3								1.0	7.3
W	2.7	.3	.3	.6								3.5	4.7
WNW	1.3	.3										1.6	2.4
NW	1.7	.3	.3	.3								2.3	4.7
NNW	2.3	.3	1.0	.3								3.9	4.5
VARBL													
CALM												16.5	
	47.1	25.5	6.8	3.2								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 21 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	3.5	2.9	.3								10.6	5.4
NNE	1.5	2.3	.3	.3								3.9	5.1
NE	.3	.6	.6									1.6	5.9
ENE	1.9	1.0	.3									3.2	3.2
E	3.5	4.2										7.7	3.0
ESE	4.2	2.9	.3	.3								7.7	3.7
SE	4.5	1.9	2.6									9.0	4.5
SSE	3.2	1.9	1.0	.3								6.5	4.2
S	.3	1.3	.6	.6								3.5	6.9
SSW	1.3	.3										1.6	3.0
SW	.6											.6	1.5
WSW			.3									.3	10.0
W	.6	.6	.3	.6								2.3	6.6
WNW	.6	.3	.6									1.6	4.8
NW	.3	1.0	.3	.3	.3							2.3	7.6
NNW	2.9	.6		.6								4.2	4.0
VARBL													
CALM												71.3	
	31.3	23.2	10.3	3.5	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

WT-22 (STATION) MEMPHIS, TN (STATION NAME) 73-84 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	3.4	2.7	1.7	.0							10.3	6.5
NNE	1.4	1.4	1.1	.2								4.3	5.3
NE	1.3	1.3	.7	.2								3.7	4.6
ENE	1.7	.8	.5	.2								3.1	4.9
E	2.4	2.3	.3	.3	.0							5.3	3.5
ESE	3.5	1.9	.9	.1								6.4	3.9
SE	2.5	1.9	1.1	.5	.0							6.1	5.2
SSE	2.1	2.5	1.8	.4	.0	.0						6.9	5.7
S	1.4	2.4	2.1	1.2								7.4	6.8
SSW	1.3	1.3	1.5	.5	.1							4.5	6.9
SW	1.2	1.1	.5	.6	.1							3.4	6.2
WSW	.7	.5	.6	.2								2.1	5.8
W	1.1	1.1	.6	.4	.1							3.2	6.0
WNW	1.1	.5	.7	.2								2.5	5.1
NW	1.3	.9	.5	.6	.0							3.7	6.2
NNW	1.5	1.2	1.2	.5								4.4	5.2
VARBL													
CALM												19.1	
	29.7	24.2	17.5	7.9	.4	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

*U.S. GPO 1984 741-348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] / STATION — [illegible] STATION NAME — 73-82 YEARS — NOV 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	1.7	3.3	3.0	1.0								10.3	5.7
NNE		2.0	1.0									3.0	6.0
NE	1.3	2.3	1.0	.7								4.7	5.6
ENE	1.0	.3	.7	.7								2.7	5.2
E	5.7	1.0										7.7	2.2
ESE	4.3	1.3	1.3									6.3	3.1
SE	2.7	2.7	1.7	.3								7.3	5.1
SSE		1.7	1.7	.3								3.7	6.7
S	1.0	2.0	3.7	1.3	.7							8.3	5.7
SSW	1.3	.7	1.0	.3	.3							3.7	5.0
SW	.7	1.3	1.0									3.7	5.2
WSW	1.3	.7	.7									2.7	5.2
W	1.3	1.3	1.0	.7								3.7	5.8
WNW	.7	1.3	1.3									3.3	5.8
NW	1.3	.7	1.3									3.3	5.1
NNW	1.7	1.0	.7	1.3	.3							4.3	7.4
VARBL													
CALM												24.3	
	27.3	21.7	21.3	6.3	1.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAIR (APO) 1984 741 448 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN — 73-82 — NOV

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	1.3	3.3	2.7	.3								9.7	5.3
NNE	2.0	1.0	.7									3.3	3.9
NE	1.0	2.0	.7	.7								4.3	5.8
ENE	.7	1.1	.7									2.3	3.0
E	4.7	1.7		.3								6.7	3.3
ESE	4.7		.7									5.3	3.0
SE	3.7	2.7	1.3	.7								7.3	4.8
SSE	1.3	1.3	3.7	.7								6.7	6.8
S	1.0	1.0	1.7	2.0	.3							5.7	9.9
SSW	2.0	1.0		.3	.3	.3						4.0	6.4
SW	.7		.7	.3								1.3	7.0
WSW	1.0	.7	1.0	.7								3.3	6.9
W	1.7	1.3	1.0	.7								4.7	6.3
WNW	1.0	1.7	.7									3.0	4.1
NW	2.0	1.3	.7	.3								4.3	4.6
NNW	.7	1.3	1.3	.7								4.0	6.9
VARBL													
CALM												24.7	
	32.3	21.0	15.7	7.3	.7	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[13869] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	2.7	3.3	2.0								9.7	6.6
NNE	2.0	1.3	1.0	.3								4.7	4.9
NE	.7	2.0	1.3	.7								4.7	7.0
ENE	1.7	.7	.7									3.0	5.9
E	7.0	2.3	.3									9.7	3.1
ESE	7.0	.7	.3									7.7	2.7
SE	2.7	1.7	.7	.3								5.3	4.3
SSE	.3	1.3	2.3			.3						4.3	7.9
S	1.3	1.3	2.3	1.0								6.0	7.1
SSW	1.0	.7	.7	1.7								4.0	7.5
SW	2.0	.7		1.0								3.7	5.3
WSW	1.3	.3										1.7	3.0
W	2.3	.3	1.7	.3								4.7	5.6
WNW	.3	.3	1.3									2.0	6.5
NW	2.0	2.3	1.0									5.3	4.6
NNW	1.7	1.0	.7	.7	.3							4.3	6.3
VARBL													
CALM												19.3	
	36.0	18.7	17.3	8.0	.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 340 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) NOV (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	.3	2.7	3.7	1.0	.3							8.0	7.9
NNE	1.3	2.0	1.7	.7								5.7	6.5
NE	1.7	3.3	2.3	.7								8.0	6.2
ENE	1.3	1.7	1.0									4.0	4.9
E		1.7	2.0									3.7	6.8
ESE	2.3	2.3	.7									5.3	4.3
SE	1.3	2.3	1.0	1.0								7.7	5.6
SSE	2.0	1.3	1.7	1.0								6.0	6.9
S	1.7	7.3	4.3	2.0								15.0	6.8
SSW	.3	1.3	2.7	1.7								.7	8.6
SW	.3		1.3	.7								2.3	8.9
WSW	.7	.7	1.0	.3		.3						3.0	8.8
W	2.7	1.0	2.3	.7								6.3	5.6
WNW	1.0	1.0	2.0	1.0								5.0	7.7
NW	.7	1.7	1.3	1.7								5.3	8.1
NNW		1.7	1.7	1.3								4.3	8.0
VARBL													
CALM												4.7	
	19.3	32.0	30.3	13.0	.3	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

* U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

723240	MEMPHIS, TN	73-82	NOV
STATION	STATION NAME	YEARS	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	.3	1.7	2.7	1.7								6.3	8.3
NNE	1.0	2.7	1.3	.7								5.7	6.2
NE	.7	2.0	1.7									4.3	5.9
ENE	.7	1.7	1.3									3.7	5.7
E	3.0	2.7	.7	1.0								7.3	5.0
ESE	.3	2.3	.7	.7								4.0	7.0
SE	.7	.7	1.0	.3	.3							3.0	7.6
SSE	.7	2.0	2.3	.7	.3							6.0	7.2
S	1.7	4.3	4.3	3.3								13.7	7.6
SSW	1.7	2.3	2.3	3.3	.3							10.0	8.7
SW		2.0	1.7	2.0	.3	.3						6.3	10.4
WSW	.7	.7	1.7									3.0	6.4
W	1.0	1.3	2.0	1.3								5.7	7.8
WNW	1.3	1.7	2.0	1.3								6.3	7.7
NW	1.3	1.7	2.3	.7								5.7	7.0
NNW	.3	1.3	1.7	1.3								4.7	8.0
VARBL													
CALM												4.3	
	15.0	31.0	29.7	18.3	1.3	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741-548/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13739 (STATION) MEMPHIS, TN (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	1.0	1.3	3.0	1.3								6.7	7.6
NNE	.7	3.0	2.3	1.3								7.3	7.3
NE	.7	1.7	1.0	.7								4.0	6.8
ENE	1.0	1.0										2.0	3.3
E	.7	3.0	1.0	1.0								5.7	6.1
ESE	1.0	.7	1.0									2.7	5.5
SE	2.0	1.7	.7	.7	.3							5.3	6.4
SSE	.3	1.7	3.0	1.3								6.3	8.2
S	2.0	4.3	2.7	4.0								13.0	7.8
SSW	1.3	2.3	2.3	2.7	.7	.3						9.7	8.8
SW	2.0	.3	2.0	.7	.3							5.3	6.9
WSW	1.0	.3	2.7	.3	.7							5.0	9.1
W	1.3	.3	.7	1.3								3.7	7.3
WNW	1.7	1.0	2.7	2.7								8.0	8.4
NW	.7	.3	3.0	1.0	.3							5.3	8.5
NNW		2.3	1.7	1.3								5.3	7.9
VARBL													
CALM												4.7	
	17.7	25.3	29.7	20.3	2.3	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03839	MEMPHIS, TN	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

18 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	6.3	3.3	3.0	.7								13.3	4.8
NNE	1.7	3.7	1.3									6.7	4.8
NE	2.7	1.3										4.0	3.3
ENE	2.0	.7	.3									3.0	3.1
E	4.0	1.7		.3								6.0	3.1
ESE	3.0	2.0	.3	.3								5.7	3.9
SE	2.3	2.3	1.7	.7								6.7	5.2
SSE	2.3	3.0	1.3	.3	.3							7.3	6.0
S	2.3	2.7	1.7	1.7								10.3	5.8
SSW	1.0	1.3	.3	.3								3.0	5.0
SW	1.3	1.0		.3								2.7	4.1
WSW	1.7	.3	.3		.3							2.3	5.7
W	1.7	1.0	.7	1.0								4.3	6.1
WNW	1.7	.7	.7	.7								3.7	5.6
NW	1.7	.3	1.0	.7								3.7	6.1
NNW	1.3	1.3	.7		.3							3.3	5.5
VARBL													
CALM												14.0	
	37.7	7.7	13.0	6.7	1.0							120.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

03839 MEMPHIS, TN 73-82 NOV

STATION STATION NAME YEARS MONTH

ALL WEATHER 21

CLASS HOURS (L S T)

CONDITIONS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	4.0	2.7	1.3								11.0	5.7
NNE	1.3	2.3	.7									4.3	4.6
NE	2.0	1.0										3.0	3.4
ENE	.7	.7		.3								1.7	5.4
E	5.7	2.7	.3									8.7	3.5
ESE	5.0	1.7	.3	.3								7.3	3.4
SE	1.3	3.3	1.3	.3								7.3	4.6
SSE	2.3	1.3	1.7	1.0								6.0	6.7
S	1.3	3.7	2.7	1.3	.7	.3						9.3	8.0
SSW	1.7	2.0	.7	.3								4.7	4.9
SW	.7	.3		.3								1.3	6.5
WSW	.7	.7	.3									1.3	5.8
W	1.0	1.3	1.0	.3	.3							4.0	7.6
WNW	1.0	.7	.3	.7								2.7	5.9
NW	.7	1.0	1.0	.3	.3							3.3	7.7
NNW	1.3		1.7	.7								3.7	6.9
VARBL													
CALM												20.3	
	32.7	25.7	14.3	7.3	1.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13894 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	2.5	2.7	.6	1.2	.0							9.4	6.3
NNE	1.2	2.2	1.7	.4								5.1	5.7
NE	1.7	1.9	1.0	.4								4.6	5.7
ENE	1.1	1.0	.5	.1								2.7	4.6
E	4.0	2.1	.5	.3								6.9	3.9
ESE	3.0	1.3	.6	.2								5.2	3.8
SE	2.5	2.0	1.2	.5	.1							6.2	5.3
SSE	1.1	1.7	2.2	.7	.1	.0						5.7	6.9
S	1.6	3.5	2.3	2.1	.2	.0						10.2	7.5
SSW	1.7	1.5	1.2	1.3	.2	.1						5.6	7.6
SW	.9	.7	.8	.7	.1	.0						3.2	7.3
WSW	.9	.5	1.0	.2	.1	.0						2.7	6.9
W	1.5	1.0	1.2	.8	.0							4.6	6.6
WNW	1.1	1.0	1.3	.8								4.2	6.9
NW	1.2	1.2	1.5	.6	.1							4.5	6.5
NNW	.8	1.2	1.2	.9	.1							4.2	7.2
VARBL													
CALM												14.5	
	26.7	25.4	21.2	10.9	1.1	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2900

SMOS

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) DEC (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	3.9	2.3	2.6	2.6	.6							11.7	7.6
NNE	.6	1.6	.3	.3								2.9	5.1
NE	.0	1.6										2.3	3.6
ENE	1.3	1.6										2.6	3.8
E	4.5	2.6										7.1	3.1
ESE	1.3	1.3	.3									2.9	4.2
SE	2.0	1.3	1.3	1.3	.3							6.8	6.5
SSE	2.3	2.6	4.9	1.3								11.0	6.8
S	1.6	4.2	1.3	2.9	.6							10.4	8.1
SSW	.3	1.0	1.0	1.3	.3							3.9	8.8
SW	1.6	.6	.3	.6								3.2	5.5
WSW	1.0	1.0	.6	.6								3.2	6.8
W	.6	1.0	1.6	.6								3.9	7.7
WNW	.3	.3	.6	.6	.3							2.3	9.7
NW	1.0	.6	.3	1.3	.3							3.2	8.2
NNW	.3	2.3	1.3	.6								5.2	7.1
VARBL													
CALM												17.5	
	22.7	26.5	16.8	13.9	2.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 03 (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	3.7	1.9	1.9	2.9								9.7	6.6
NNE	1.0	.5	1.3	.3								3.2	6.0
NE	1.0	1.4	.3									2.9	4.6
ENE	.6	1.0										1.6	4.0
E	4.7	2.0		.3								7.4	3.7
ESE	4.2	1.0	.6		.3							6.1	4.1
SE	1.6	2.9	1.3	1.3	.3							6.8	6.4
SSE	1.3	1.9	2.3	1.6								7.1	7.1
S	1.6	4.2	3.2	1.3								9.7	7.1
SSW	1.6	1.3	1.3	.6	.3							4.5	7.7
SW	1.6	.3	1.0	1.3								4.2	6.7
WSW	.6	.3		.4	.3							1.7	9.2
W	.6	1.6	1.3	.6								4.2	6.2
WNW	1.3	1.0	1.6	.6								4.2	7.5
NW	1.3	.6	1.6	.6								3.9	6.8
NNW	.6	2.3	1.9	.3	.3							5.5	7.2
VARBL													
CALM												16.8	
	24.3	25.6	19.4	12.3	1.6							100.2	5.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

*U.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN — 73-82 — DEC

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	2.3	2.6	2.3	2.3								9.4	6.9
NNE	1.0	1.0	.6									2.6	4.5
NE	1.[illegible]	1.[illegible]	1.0									3.5	4.7
ENE	1.6	.7	.5									2.8	4.4
E	4.5	4.2	1.0									9.7	3.4
ESE	2.[illegible]	2.9	.3									5.1	3.5
SE	3.2	2.3	1.8	1.3								9.7	5.2
SSE	.7	1.9	1.6	1.0								4.9	7.4
S	1.4	2.5	1.3	.6								7.7	5.8
SSW	1.7	1.3	.6	1.0	.3							4.8	7.5
SW	1.7	.7	1.3	.3								3.8	6.2
WSW	.3		1.0	.3								1.6	8.6
W	.6	.5	1.6	.6								3.5	7.2
WNW	.6	1.6	1.3	1.0								4.5	7.1
NW	.5	1.0	2.3	.6								4.5	7.5
NNW	1.6	1.3	1.3	1.0	.3							5.5	7.5
VARBL													
CALM												16.8	
	25.1	25.1	20.6	9.7	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 77-82 (YEARS) DEC (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	1.3	3.0	3.2	1.9	.3							10.6	7.6
NNE	.7	1.4	1.3	.3								3.5	6.5
NE	1.0	1.0	.3									2.3	4.7
ENE	.7	1.0	1.6									2.9	6.6
E	2.3	2.7	1.6	.3								6.5	5.1
ESE	1.3	1.9	1.3									4.2	5.5
SE	1.0	2.3	1.9	2.3								7.4	8.1
SSE	1.3	2.6	5.2	.3								9.4	6.8
S	2.9	5.2	3.5	2.6								14.2	6.7
SSW	1.3	.6	1.3	.6								3.5	7.0
SW	1.0	1.6	1.3	1.0	.3							5.2	7.8
WSW	.3	1.3	1.6	.3								3.5	6.8
W	.3	1.3	1.0	.6								2.9	7.6
WNW	.6	1.3	1.9	.6								4.5	7.2
NW	.6	1.0	1.0	3.2								5.8	9.6
NNW	.6	1.6	3.2	1.3	.6							7.4	8.9
VARBL													
CALM												6.1	
	15.8	30.0	31.3	15.5	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

* U.S. GPO 1984 /41 348 /20

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[redacted] (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	3.9	1.6	.3							8.7	6.1
NNE	.6	1.7	1.3									3.7	5.9
NE		1.0	1.0									2.0	6.5
ENE	.7	2.3										2.6	4.9
E	1.0	1.3	1.0									3.2	3.0
ESE	1.0	.6	1.3									2.9	5.3
SE	.3	1.3	1.0	1.6								4.8	6.6
SSE	1.0	.6	3.2	1.6	.3							6.8	8.9
S	1.3	3.5	5.5	4.5	.3							15.5	8.8
SSW	.6	2.6	3.9	3.2	.3							10.6	9.0
SW	.6	.6	1.3	1.3	.3							4.2	8.8
WSW	.6	.3	2.3	1.3								4.5	8.7
W	1.0	1.9	.6	1.3								4.8	7.3
WNW		1.3	2.6	2.9								6.8	10.0
NW	1.0	1.9	1.6	1.6								6.1	7.4
NNW	.3	1.0	3.2	2.6								7.1	9.4
VARBL													
CALM												5.5	
	10.6	23.5	35.2	23.5	1.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

[illegible] MEMPHIS, TN 73-82 DEC
STATION STATION NAME YEARS MONTH

ALL WEATHER 15
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	2.3	2.3	2.3	.3							8.7	5.5
NNE	.5	1.5	1.0	.6								4.5	7.0
NE	.3	.6	.7									1.7	5.2
ENE	.5	.7	.6									1.6	4.6
E	.4	2.3	2.3									4.8	6.4
ESE	1.3	1.3	.7	.6								3.9	6.1
SE	.3	.6	1.5	1.7								3.9	8.8
SSE	1.4	1.9	3.1	2.7	.6							9.8	8.7
S	.6	1.6	3.7	5.5								11.9	9.6
SSW	.5	1.2	2.5	1.3	.3							5.4	7.7
SW	.2	1.2	2.7	1.9	.3							7.4	9.1
WSW	.4	1.3	1.5	.3								3.9	7.0
W	1.0	4.2	2.6	.6								8.4	6.5
WNW	.8	1.3	2.6	1.0								5.1	7.6
NW	1.1	1.3	1.7	1.6	.3							5.9	8.4
NNW	1.0	2.6	2.3	2.6	.6							9.0	8.9
VARBL													
CALM												2.6	
	11.5	28.9	32.9	21.9	2.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

*U.S. GPO 1984 741-348 /101

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	3.6	4.2	1.0	2.6	.3							11.7	6.4
NNE	2.6	1.3	.3	.3								4.5	4.1
NE	2.6	1.9	.3									4.9	3.7
ENE	1.6	1.0										2.6	3.3
E	1.6	1.3	1.6									5.2	4.9
ESE	.6	2.6	1.3	1.0								5.5	6.2
SE	2.3	1.3	1.6	1.3								6.5	6.6
SSE	1.9	2.3	3.2	.3	.3							8.1	6.5
S	1.6	4.2	1.9	1.0	1.0							9.7	7.4
SSW	.6	1.9	1.3	.6								4.5	6.4
SW	2.3	1.3	.3									3.9	3.3
WSW	1.0	.6	.6	.3	.3							2.9	6.7
W	1.9	1.9	.3	1.0								5.2	5.3
WNW	1.3	2.6	1.0									4.9	5.2
NW	1.0	1.6	1.6	.6								4.9	6.7
NNW	2.6	1.0	1.3	.3								5.2	4.8
VARBL													
CALM												10.0	
	23.1	31.7	17.6	9.8	1.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

*U.S. GPO 1981-741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13893 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	3.9	1.6	2.3	2.7	1.0							10.7	7.9
NNE	2.0	2.3	1.0									5.2	6.5
NE	1.3		1.0									2.3	5.1
ENE	1.6	.7	.7	.3								3.3	4.9
E	5.2	3.6	.3									9.1	3.4
ESE	2.9	1.6	.7									5.2	6.1
SE	3.6	1.3	2.9	2.0								9.8	6.6
SSE	1.0	2.3	2.9	1.0	.3							7.5	7.4
S	1.3	2.9	2.0	1.6								7.8	7.2
SSW	1.3	1.6	1.0	1.3	.3	.3						5.9	8.7
SW	1.3	.3	1.0									2.6	4.8
WSW		1.0		1.0								2.0	9.3
W	1.3	.3	.7	.3								2.3	4.9
WNW	.3	1.3	.7	1.3	.3							3.9	9.1
NW	.7	1.6	2.0	1.6								5.9	9.1
NNW	1.3	1.0	1.3		.3							3.9	6.4
VARBL													
CALM												12.7	
	29.0	23.5	19.9	13.4	2.3	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 307

SMOS

*U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

93819 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (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	2.3	2.7	2.4	2.4	.4							10.1	7.4
NNE	1.1	1.4	1.0	.2								3.7	5.4
NE	1.1	1.1	.4									2.7	4.6
ENE	1.0	1.0	.4	.0								2.5	4.6
E	3.0	2.6	1.0	.1								6.6	4.1
ESE	1.9	1.7	.8	.2	.0							4.6	4.6
SE	1.9	1.7	1.7	1.5	.1							7.0	6.9
SSE	1.3	2.0	3.4	1.2	.2							8.0	7.4
S	1.3	3.7	3.0	2.5	.2							10.9	7.7
SSW	.8	1.7	1.7	1.3	.2	.0						5.7	8.0
SW	1.3	.9	1.2	.6	.1							4.2	7.0
WSW	.6	.7	1.0	.6	.1							3.0	7.7
W	.7	1.6	1.2	.7								4.4	6.6
WNW	.6	1.3	1.5	1.0	.1							4.6	7.9
NW	.8	1.2	1.5	1.4	.1							4.9	7.9
NNW	1.1	1.6	2.1	1.1	.3							6.1	7.6
VARBL													
CALM												11.0	
	21.0	26.9	28.1	15.0	1.8	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2474

SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) ALL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	2.4	2.2	1.2	.1	.0						8.4	6.3
NNE	1.4	1.8	1.3	.4	.0							4.9	5.7
NE	1.3	1.5	1.0	.3	.0							4.4	5.3
ENE	1.6	1.4	.6	.1								3.6	4.4
E	4.1	2.7	1.1	.2	.0							8.2	4.2
ESE	2.9	1.7	.8	.2	.0	.0						5.3	4.5
SE	2.1	1.9	1.1	.5	.1	.0						5.7	5.6
SSE	1.5	2.2	1.9	.7	.1	.0						6.5	6.5
S	1.4	3.0	2.9	1.9	.2	.1	.0					9.7	7.6
SSW	1.1	1.7	1.6	1.1	.2	.1	.0					5.7	7.8
SW	1.0	1.3	1.3	.8	.1	.0	.0					4.5	7.3
WSW	.7	.8	1.0	.5	.1	.0	.0					3.2	7.4
W	1.2	1.3	1.1	.6	.1	.0						4.3	6.4
WNW	1.0	.8	.9	.5	.1	.0						3.3	6.6
NW	1.1	1.1	1.2	.7	.1	.0						4.2	6.2
NNW	1.2	1.3	1.3	.7	.1	.0						4.6	6.0
VARBL													
CALM												13.6	
	25.7	27.2	21.2	10.5	1.4	.3	.0					100.2	5.4

TOTAL NUMBER OF OBSERVATIONS 29203

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USCG GPO 1984 741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) ALL (MONTH)

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

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED (KNTS) DIR.	1 - 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	3.4	5.0	3.2	.3	.0						14.2	7.8
NNE	1.0	1.5	2.2	.7	.0							5.4	6.8
NE	1.0	1.8	1.3	.5	.0							4.7	6.2
ENE	1.1	1.8	.8	.3								4.0	5.4
E	2.7	2.4	1.7	.5	.1							7.3	5.9
ESE	1.3	1.3	1.1	.5	.1							4.8	6.1
SE	1.2	1.2	1.2	.9	.1	.0						4.6	6.9
SSE	.9	1.5	1.8	.9	.1							5.3	7.4
S	1.2	2.1	2.5	1.5	.2	.1	.0					7.5	7.9
SSW	.7	1.3	1.2	1.0	.2	.0						4.4	7.9
SW	.7	.9	1.2	.6	.1	.0						3.6	7.7
WSW	.6	.9	.7	.8	.2	.1	.0					2.9	7.9
W	.7	1.2	1.2	.6	.2	.0						3.9	7.4
WNW	.7	1.1	1.1	.5	.1	.0						3.6	6.8
NW	.9	1.7	1.7	1.2	.2	.0						5.7	7.8
NNW	1.0	1.8	2.6	1.9	.3							7.6	8.9
VARBL													
CALM												10.6	
	18.1	26.5	27.4	14.8	2.1	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 3905

SMOS

*U.S. GPO 1984 741 348/201

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

PART D

ADDITIONAL EXAMPLES

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

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

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

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

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

PART D SKY COVER

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

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

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

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

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

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

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

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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
AND																
≥ 18000																
AND																
≥ 16000																
AND																
≥ 14000																
AND																
≥ 12000																
AND																
≥ 10000																
AND																
≥ 9000																
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≥ 600																
AND																
≥ 500																
AND																
≥ 400																
AND																
≥ 300																
AND																
≥ 200																
AND																
≥ 100																
AND																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T / L D T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (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																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.1	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		51.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000		51.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000		51.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000		51.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000		52.3	52.4	52.9	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		55.5	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000		55.5	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000		59.7	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000		61.6	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000		62.7	63.0	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000		62.4	63.0	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500		64.8	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000		66.4	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3500		68.4	69.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3000		69.4	71.0	71.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500		69.7	72.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2000		74.0	77.7	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800		74.0	77.7	78.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500		75.4	79.2	79.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6
≥ 1200		76.0	80.0	81.9	82.6	82.6	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000		76.8	82.3	84.5	85.5	85.5	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 900		77.1	82.9	85.3	86.4	86.4	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800		77.7	83.6	86.0	87.7	87.7	88.4	88.7	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1
≥ 700		77.7	83.6	87.1	89.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600		77.7	83.9	89.1	89.4	89.4	90.0	90.7	90.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6
≥ 500		77.7	84.2	89.4	90.0	90.0	90.7	91.3	91.3	91.6	92.6	92.6	92.9	92.9	92.9	92.9
≥ 400		77.7	84.2	89.4	90.3	90.7	91.6	92.3	92.3	92.6	93.4	93.5	94.2	94.2	94.2	94.2
≥ 300		77.7	84.2	89.7	91.0	91.3	91.9	93.6	93.6	93.9	95.2	95.2	95.8	95.8	95.8	95.8
≥ 200		78.1	84.5	89.7	91.3	91.6	92.9	94.5	94.8	94.8	96.5	96.5	97.1	97.1	97.1	97.1
≥ 10		78.1	84.5	89.8	91.6	91.9	92.9	94.5	94.8	95.2	96.8	96.8	97.4	97.7	98.0	98.4
≥ 0		78.1	84.5	89.8	91.6	91.6	92.9	94.5	94.8	95.2	96.5	96.5	97.1	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 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 24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.5	49.7	50.7	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000		1.4	53.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AVI 18000		1.4	53.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AVI 16000		1.4	53.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AVI 14000		1.4	53.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AVI 12000		2.1	54.3	55.3	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AVI 10000		58.2	58.5	59.6	59.9	59.9	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
AVI 9000		57.1	59.6	60.6	61.1	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
AVI 8000		57.4	62.4	63.4	64.2	64.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
AVI 7000		61.3	62.5	64.2	65.3	65.3	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
AVI 6000		61.4	63.4	65.3	65.6	65.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AVI 5000		62.1	64.5	66.2	66.4	66.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
AVI 4500		62.1	65.3	66.7	67.1	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
AVI 4000		3.6	67.1	68.8	69.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
AVI 3500		65.3	69.2	70.9	71.3	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AVI 3000		66.7	70.9	72.7	73.1	73.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
AVI 2500		68.1	72.3	74.1	74.8	74.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
AVI 2000		69.9	74.1	75.9	76.6	76.6	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AVI 1800		72.2	76.5	78.2	79.0	79.0	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
AVI 1500		72.6	77.7	80.1	80.9	80.9	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AVI 1200		74.4	81.1	83.3	84.2	84.2	85.5	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
AVI 1000		76.6	81.9	85.5	86.5	86.5	87.9	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
AVI 900		76.6	81.9	85.8	86.9	86.9	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
AVI 800		77.3	83.2	86.9	88.1	88.3	90.4	90.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5
AVI 700		78.6	85.1	89.0	90.4	90.4	92.6	92.9	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
AVI 600		78.4	85.5	89.1	91.0	91.0	94.0	94.3	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4
AVI 500		78.4	85.6	90.4	91.8	92.2	94.3	95.0	95.4	96.1	96.1	96.1	96.1	96.1	96.5	96.5
AVI 400		78.4	86.5	91.1	92.1	92.9	95.0	96.1	96.5	97.2	97.5	97.5	97.5	97.5	97.9	97.9
AVI 300		78.4	86.5	91.1	92.9	92.9	95.0	96.1	96.5	97.5	98.2	98.2	98.2	98.2	98.6	98.6
AVI 200		78.4	86.5	91.1	92.6	93.3	95.4	96.5	96.8	97.9	98.6	98.6	98.6	98.6	98.9	98.9
AVI 100		78.4	86.5	91.1	92.6	93.3	95.4	96.5	96.8	97.9	98.6	98.6	98.6	98.6	99.3	99.3
0		78.4	86.5	91.1	92.6	93.3	95.4	96.5	96.8	97.9	98.6	98.6	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME MEMPHIS, TN YEARS 73-77 MONTH _____

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.3	46.6	48.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		47.4	50.7	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000		47.5	50.7	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		47.5	50.7	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		47.5	50.7	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	55.2	55.2
≥ 12000		47.5	51.4	52.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3	54.3
≥ 10000		50.7	54.3	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
≥ 9000		51.5	55.3	56.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.2
≥ 8000		53.7	56.2	59.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4
≥ 7000		54.4	58.9	60.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.1
≥ 6000		54.5	57.9	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.1
≥ 5000		57.4	60.6	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.9	63.9
≥ 4500		57.5	61.7	63.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 4000		57.9	64.2	66.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.7	67.7
≥ 3500		61.4	65.3	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.8	68.8
≥ 3000		63.5	68.1	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1
≥ 2500		65.3	69.9	73.4	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5
≥ 2000		67.7	73.1	77.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
≥ 1800		68.4	73.8	77.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1
≥ 1500		69.9	75.5	79.4	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6
≥ 1200		72.7	78.7	83.0	86.5	86.9	86.9	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1000		74.1	81.2	85.8	89.4	89.7	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.4	90.4
≥ 900		74.1	81.6	86.2	90.4	91.1	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.8	91.8
≥ 800		75.5	83.0	87.6	92.6	93.3	93.3	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700		75.9	83.5	87.9	93.2	94.0	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600		75.9	83.5	87.9	93.6	94.7	95.0	95.4	95.4	95.7	95.7	95.7	95.7	95.7	96.1	96.1
≥ 500		76.2	83.7	89.0	95.0	96.5	96.8	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.2	98.2
≥ 400		76.2	83.7	89.4	95.4	96.8	97.2	98.2	98.2	98.5	98.9	98.9	98.9	98.9	99.3	99.3
≥ 300		76.3	83.7	89.4	95.4	96.8	97.2	98.9	98.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		76.3	83.7	89.4	95.4	96.8	97.2	98.9	98.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		76.3	83.7	89.4	95.4	96.8	97.2	98.9	98.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0
0		76.3	83.7	89.4	95.4	96.8	97.2	98.9	98.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) 06

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.1	43.6	44.3	44.7	44.7	44.3	44.5	44.7	45.0	45.0	45.0	45.0	45.1	45.4	45.4
≥ 20000		47.4	47.9	48.6	48.6	48.6	48.9	48.9	48.9	49.7	49.7	49.7	49.7	49.7	50.0	50.0
≥ 18000		47.4	47.9	48.6	48.6	48.6	48.9	48.9	48.9	49.7	49.7	49.7	49.7	49.7	50.0	50.0
≥ 16000		47.4	47.9	48.6	48.6	48.6	48.9	48.9	48.9	49.7	49.7	49.7	49.7	49.7	50.0	50.0
≥ 14000		48.4	48.7	48.8	48.8	48.6	48.9	48.9	48.9	49.7	49.7	49.7	49.7	49.7	50.0	50.0
≥ 12000		48.1	48.8	49.3	49.3	49.3	49.7	49.7	49.7	50.4	50.4	50.4	50.4	50.4	50.7	50.7
≥ 10000		49.7	52.1	52.8	53.2	53.2	53.6	53.6	53.6	54.3	54.3	54.3	54.3	54.3	54.6	54.6
≥ 9000		50.7	53.2	53.9	54.3	54.3	54.6	54.6	54.6	55.3	55.3	55.3	55.3	55.3	55.7	55.7
≥ 8000		53.6	56.0	56.7	57.5	57.5	57.8	57.8	57.8	58.5	58.5	58.5	58.5	58.5	58.9	58.9
≥ 7000		54.2	56.7	57.5	58.2	58.2	58.5	58.5	58.5	59.2	59.2	59.2	59.2	59.2	59.6	59.6
≥ 6000		54.9	57.5	58.2	58.9	58.9	59.2	59.2	59.2	59.9	59.9	59.9	59.9	59.9	60.3	60.3
≥ 5000		55.3	57.8	58.9	59.6	59.6	59.9	59.9	59.9	60.6	60.6	60.6	60.6	60.6	61.0	61.0
≥ 4500		58.1	58.9	59.9	60.6	60.6	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	62.1	62.1
≥ 4000		58.6	59.4	60.6	61.4	61.4	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.8	62.8
≥ 3500		59.1	61.0	62.1	62.8	62.8	63.1	63.1	63.1	63.8	63.8	63.8	63.8	63.8	64.2	64.2
≥ 3000		61.3	63.2	64.3	65.1	65.1	65.4	65.4	65.4	66.1	66.1	66.1	66.1	66.1	66.4	66.4
≥ 2500		62.4	64.3	65.4	66.1	66.1	66.5	66.5	66.5	67.2	67.2	67.2	67.2	67.2	67.6	67.6
≥ 2000		64.9	67.0	68.1	68.8	68.8	69.2	69.2	69.2	69.9	69.9	69.9	69.9	69.9	70.2	70.2
≥ 1800		66.3	68.4	69.5	70.2	70.2	70.6	70.6	70.6	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 1500		67.4	69.5	70.6	71.3	71.3	71.7	71.7	71.7	72.4	72.4	72.4	72.4	72.4	72.8	72.8
≥ 1200		70.9	73.0	74.1	74.8	74.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	76.3	76.3
≥ 1000		71.6	73.7	74.8	75.5	75.5	75.9	75.9	75.9	76.6	76.6	76.6	76.6	76.6	77.0	77.0
≥ 900		72.3	74.4	75.5	76.2	76.2	76.6	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.6	77.6
≥ 800		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 700		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 600		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 500		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 400		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 300		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 200		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 100		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4
≥ 0		73.1	75.1	76.2	76.9	76.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.4	78.4

TOTAL NUMBER OF OBSERVATIONS 252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		33.3	35.5	36.5	36.7	37.2	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	
≥ 20000		40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
≥ 18000		40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
≥ 16000		40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
≥ 14000		40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
≥ 12000		41.1	44.0	45.0	45.4	46.1	46.8	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
≥ 10000		43.3	47.2	48.2	48.6	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	
≥ 9000		43.3	47.2	48.2	48.6	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	
≥ 8000		44.7	48.3	50.7	51.4	52.1	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
≥ 7000		44.7	48.3	50.7	51.4	52.1	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
≥ 6000		44.7	48.3	50.7	51.4	52.1	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
≥ 5000		45.4	49.0	51.4	52.1	52.8	53.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
≥ 4500		46.1	50.7	52.1	52.8	53.6	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
≥ 4000		47.5	52.2	53.6	54.3	55.0	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
≥ 3500		49.9	54.6	56.0	56.7	57.5	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
≥ 3000		51.2	56.2	57.6	58.4	59.1	59.9	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
≥ 2500		56.3	61.8	63.5	64.2	64.9	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
≥ 2000		57.6	64.9	67.7	68.5	69.5	70.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
≥ 1800		58.2	65.3	68.1	69.5	70.2	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
≥ 1500		58.5	68.4	73.1	75.2	75.9	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	
≥ 1200		61.7	69.9	75.2	77.3	78.0	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
≥ 1000		62.4	71.6	77.3	79.8	80.9	81.9	83.0	83.0	83.3	83.3	83.3	83.7	83.7	83.7	
≥ 900		62.8	72.0	77.7	80.5	81.6	82.6	84.8	84.8	85.5	85.5	85.5	86.2	86.2	86.2	
≥ 800		62.8	72.0	78.0	82.9	83.9	84.9	86.2	86.9	86.9	86.9	86.9	87.6	87.6	87.6	
≥ 700		63.1	72.7	79.1	82.6	83.7	85.5	88.3	89.4	90.4	90.4	90.4	91.1	91.1	91.1	
≥ 600		63.1	72.7	79.1	82.6	83.7	85.5	88.7	89.7	91.1	91.5	91.5	92.2	92.2	92.2	
≥ 500		63.5	73.1	79.8	83.7	85.1	87.6	91.1	92.6	94.0	94.3	94.3	95.0	95.0	95.0	
≥ 400		63.5	73.1	79.8	83.7	85.1	87.6	91.1	92.9	94.7	95.4	95.4	96.1	96.1	96.1	
≥ 300		63.8	73.4	80.1	84.0	85.5	87.9	91.8	93.6	96.8	97.5	97.5	98.6	98.6	98.6	
≥ 200		63.8	73.4	80.1	84.0	85.5	87.9	91.8	93.6	96.8	97.5	97.5	98.6	98.6	98.6	
≥ 100		63.8	73.4	80.1	84.0	85.5	87.9	91.8	93.6	96.8	97.5	97.5	98.6	98.6	98.9	
0		63.8	73.4	80.1	84.0	85.5	87.9	91.8	93.6	96.8	97.5	97.5	98.6	98.6	98.9	

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 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 2x2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.4	41.4	41.3	41.4	41.4	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000		46.1	47.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000		46.1	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000		46.1	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000		46.1	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000		47.2	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000		51.0	52.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000		51.3	52.6	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000		54.4	56.4	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000		55.1	56.7	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 6000		55.3	57.1	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 5000		56.0	57.8	58.2	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500		58.7	59.9	60.5	60.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000		61.2	62.0	61.7	62.4	62.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3500		62.2	63.1	63.5	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000		65.3	66.4	67.0	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500		66.3	69.5	72.3	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2000		72.2	74.1	77.3	78.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800		73.9	77.2	78.7	81.1	81.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500		74.3	78.6	80.5	82.6	83.3	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200		77.0	77.7	82.6	85.5	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000		77.7	78.7	85.8	89.4	90.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900		78.1	79.1	86.2	89.7	90.8	92.6	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.5	93.5
≥ 800		78.4	79.4	86.5	90.1	91.2	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700		78.8	79.8	86.9	91.4	92.2	94.3	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		79.1	80.1	87.6	91.1	92.9	95.1	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500		79.1	80.1	87.6	91.1	93.6	96.1	96.8	96.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400		79.1	80.1	87.6	91.1	93.6	96.5	97.2	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		79.1	80.1	87.6	91.1	93.6	96.5	97.5	97.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		79.1	80.1	87.6	91.1	93.6	96.5	97.5	97.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		79.1	80.1	87.6	91.1	93.6	96.5	97.5	97.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0		79.1	80.1	87.6	91.1	93.6	96.5	97.5	97.9	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 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 232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
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200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

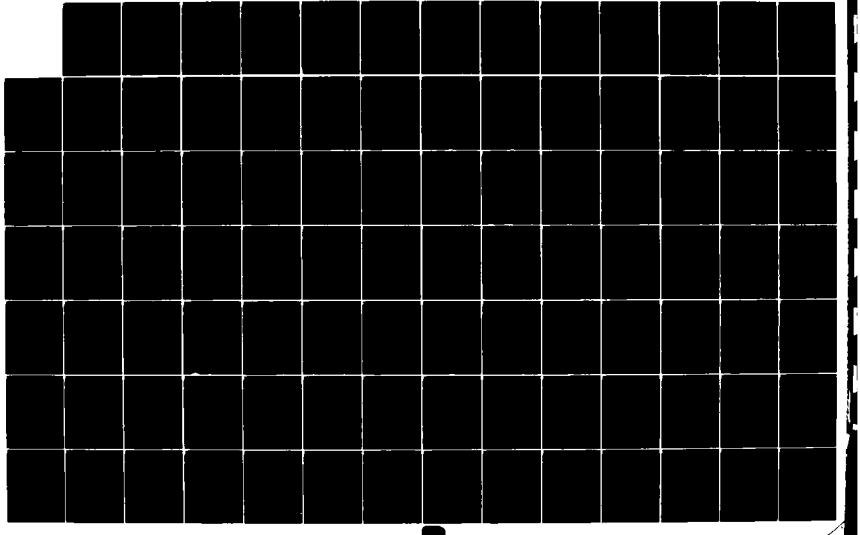
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
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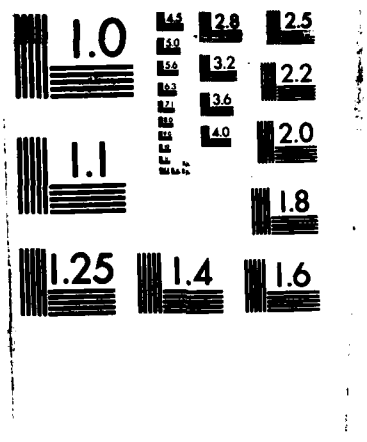
TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

AD-A150 704 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 3/4
MEMPHIS TENNESSEE (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
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5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 03

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.2	44.2	44.5	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.5	45.5	45.8	45.8
≥ 20000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	52.3	52.3	52.6	52.6
≥ 18000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	52.3	52.3	52.6	52.6
≥ 16000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	52.3	52.3	52.6	52.6
≥ 14000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	52.3	52.3	52.6	52.6
≥ 12000		50.7	51.6	51.9	52.3	52.3	52.3	52.6	52.6	52.9	52.9	52.9	53.2	53.2	53.6	53.6
≥ 10000		56.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.7	58.7	59.1	59.1
≥ 9000		56.5	57.4	57.7	58.1	58.1	58.1	58.4	58.4	58.7	58.7	58.7	59.0	59.0	59.4	59.4
≥ 8000		59.7	61.0	61.6	61.9	61.9	61.9	62.3	62.3	62.6	62.6	62.6	62.9	62.9	63.2	63.2
≥ 7000		59.7	61.9	62.6	62.9	62.9	62.9	63.2	63.2	63.6	63.6	63.6	63.9	63.9	64.2	64.2
≥ 6000		60.1	62.3	62.9	63.2	63.2	63.2	63.6	63.6	63.9	63.9	63.9	64.2	64.2	64.5	64.5
≥ 5000		62.3	65.5	66.1	66.5	66.5	66.5	66.8	66.8	67.1	67.1	67.1	67.4	67.4	67.7	67.7
≥ 4500		65.5	68.7	69.4	69.7	69.7	69.7	70.0	70.0	70.3	70.3	70.3	70.7	70.7	71.0	71.0
≥ 4000		67.7	71.3	71.6	71.9	71.9	71.9	72.3	72.3	72.6	72.6	72.6	72.9	72.9	73.2	73.2
≥ 3500		69.0	72.3	72.9	73.2	73.2	73.2	73.6	73.6	73.9	73.9	73.9	74.2	74.2	74.5	74.5
≥ 3000		71.9	76.1	77.1	77.4	77.4	77.4	77.7	77.7	78.1	78.1	78.1	78.4	78.4	78.7	78.7
≥ 2500		73.9	78.1	79.0	79.4	79.4	79.4	79.7	79.7	80.0	80.0	80.0	80.3	80.3	80.7	80.7
≥ 2000		77.4	81.9	82.9	83.9	83.9	84.2	84.5	84.5	84.8	84.8	84.8	85.2	85.2	85.5	85.5
≥ 1800		78.4	82.9	83.9	84.8	84.8	85.2	85.5	85.5	85.8	85.8	85.8	86.1	86.1	86.5	86.5
≥ 1500		79.7	84.5	85.5	86.8	86.8	87.1	87.4	87.4	87.7	87.7	87.7	88.1	88.1	88.4	88.4
≥ 1200		81.9	85.8	87.1	88.4	88.7	89.0	89.4	89.4	89.7	89.7	89.7	90.0	90.0	90.3	90.3
≥ 1000		82.9	86.8	89.7	91.3	91.6	91.9	92.3	92.3	92.6	92.6	92.6	92.9	92.9	93.6	93.6
≥ 900		83.2	87.4	90.7	92.3	92.6	92.9	93.2	93.2	93.9	93.9	93.9	94.2	94.2	94.5	94.5
≥ 800		84.5	88.7	91.3	93.2	93.6	94.2	94.5	94.5	95.2	95.2	95.2	95.5	95.5	95.9	95.9
≥ 700		84.8	90.3	91.9	93.9	94.5	95.2	95.5	95.5	96.1	96.1	96.1	96.5	96.5	96.8	96.8
≥ 600		84.8	90.3	91.9	93.9	94.5	95.2	95.5	95.5	96.1	96.1	96.1	96.5	96.5	96.8	96.8
≥ 500		85.2	90.7	92.6	94.3	95.8	96.5	96.8	96.8	97.4	98.1	98.1	98.4	98.4	98.7	98.7
≥ 400		85.2	90.7	92.6	94.5	95.8	96.8	97.1	97.1	97.7	98.4	98.4	98.7	98.7	99.0	99.0
≥ 300		85.2	90.7	92.6	94.8	95.8	96.8	97.1	97.1	97.7	98.4	98.4	98.7	98.7	99.0	99.0
≥ 200		85.2	90.7	92.6	94.8	95.8	96.8	97.1	97.1	97.7	98.4	98.4	98.7	98.7	99.4	99.4
≥ 100		85.2	90.7	92.6	94.8	95.8	97.1	97.4	97.4	98.1	98.7	98.7	99.0	99.0	99.7	99.7
0		85.2	90.7	92.6	94.8	95.8	97.1	97.4	97.4	98.1	98.7	98.7	99.0	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

[illegible] STATION MEMPHIS, TN STATION NAME 73-92 YEARS MAR 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		33.6	36.8	38.7	39.7	40.0	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	41.1
≥ 20000		37.4	41.1	43.6	44.8	45.2	45.2	45.2	45.2	45.4	45.8	45.8	45.8	45.8	45.8	46.1
≥ 18000		37.4	41.1	43.6	44.8	45.2	45.2	45.2	45.2	45.4	45.8	45.8	45.8	45.8	45.8	46.1
≥ 16000		37.4	41.1	43.6	44.8	45.2	45.2	45.2	45	45.4	45.8	45.8	45.8	45.8	45.8	46.1
≥ 14000		37.4	41.6	43.9	45.2	45.5	45.5	45.5	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.5
≥ 12000		38.1	42.4	44.8	46.1	46.4	46.4	46.4	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.4
≥ 10000		42.7	47.1	49.4	51.0	51.3	51.3	51.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9	52.3
≥ 9000		42.7	47.1	49.4	51.0	51.3	51.3	51.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9	52.3
≥ 8000		48.5	49.0	51.3	52.9	53.2	53.2	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.5
≥ 7000		48.8	49.4	51.6	53.2	53.6	53.6	53.9	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.8
≥ 6000		48.5	51.3	53.6	55.2	55.5	55.5	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.8
≥ 5000		50.3	55.5	58.1	59.7	60.0	60.0	60.3	60.3	61.0	61.0	61.0	61.3	61.3	61.3	61.6
≥ 4500		51.0	56.1	58.7	60.3	60.7	60.7	61.0	61.0	61.6	61.6	61.6	61.9	61.9	61.9	62.3
≥ 4000		54.5	60.3	62.9	64.5	64.8	64.8	65.2	65.2	65.8	65.8	65.8	66.1	66.1	66.1	66.5
≥ 3500		56.3	62.6	65.2	66.8	67.4	67.4	67.7	67.7	68.4	68.4	68.4	68.7	68.7	68.7	69.1
≥ 3000		59.7	65.8	69.0	71.6	72.3	72.3	72.6	72.6	73.2	73.2	73.2	73.6	73.6	73.6	73.9
≥ 2500		61.6	68.1	71.3	73.9	74.5	74.5	74.8	74.9	75.5	75.5	75.5	75.8	75.8	75.8	76.1
≥ 2000		64.2	71.3	75.2	78.1	78.7	79.7	80.0	80.0	80.7	80.7	80.7	81.0	81.0	81.0	81.3
≥ 1800		65.2	72.3	76.1	79.0	79.7	80.7	81.0	81.0	81.6	81.6	81.6	81.9	81.9	81.9	82.3
≥ 1500		67.4	74.5	78.4	81.3	82.3	83.3	83.6	83.6	84.3	84.3	84.3	84.6	84.6	84.6	84.9
≥ 1200		69.7	77.1	82.3	85.2	86.5	87.7	88.1	88.1	88.7	88.7	89.0	89.4	89.4	89.4	89.7
≥ 1000		71.3	79.4	84.8	88.1	89.4	90.7	91.0	91.0	91.6	91.6	91.9	92.3	92.3	92.3	92.6
≥ 900		71.6	80.0	85.2	89.1	90.3	91.6	92.3	92.6	93.2	93.2	93.6	93.9	93.9	93.9	94.2
≥ 800		71.6	80.0	85.2	89.1	90.3	91.9	92.6	92.9	93.6	93.9	94.2	94.5	94.5	94.5	94.8
≥ 700		71.9	80.3	85.8	89.4	90.7	92.3	92.9	93.2	93.9	94.2	94.5	94.8	94.8	94.8	95.2
≥ 600		72.3	80.7	86.1	90.0	91.6	93.6	94.2	94.5	95.2	95.5	95.8	96.1	96.1	96.1	96.5
≥ 500		72.3	80.7	86.1	90.0	91.6	93.9	94.5	94.8	95.5	95.8	96.1	96.5	96.5	96.5	96.8
≥ 400		72.3	80.7	86.1	90.7	92.3	94.5	95.2	95.5	96.1	96.5	96.8	97.1	97.1	97.1	97.4
≥ 300		72.3	80.7	86.1	90.7	92.3	94.9	95.2	95.5	96.5	96.8	97.1	97.4	97.4	97.4	97.7
≥ 200		72.3	80.7	86.1	90.7	92.3	94.9	95.2	95.5	96.8	97.1	97.4	97.7	97.7	97.7	98.0
≥ 100		72.3	80.7	86.5	91.0	92.6	94.8	95.5	95.8	97.1	97.4	97.7	98.0	98.0	98.0	98.3
0		72.3	80.7	86.5	91.0	92.6	94.8	95.5	95.8	97.1	97.4	97.7	98.0	98.0	98.0	98.3

TOTAL NUMBER OF OBSERVATIONS 11[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13739 | MEMPHIS, TN | 73-82 | MAY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

119

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		33.8	35.8	36.1	36.8	36.8	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000		41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000		41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000		41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000		41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000		42.6	45.5	46.5	47.4	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000		48.5	49.7	49.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000		48.5	48.7	49.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000		47.7	51.9	52.6	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000		48.7	52.3	53.6	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 6000		49.4	52.9	54.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000		52.6	56.5	58.4	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500		53.4	57.7	59.7	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000		53.2	57.4	61.3	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500		58.8	61.0	62.9	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000		58.4	62.6	65.5	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500		61.5	66.1	69.3	70.7	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000		66.3	71.6	74.5	76.5	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800		67.4	72.6	75.5	77.4	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500		72.6	78.4	82.6	85.2	85.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200		73.9	81.3	86.5	87.1	87.7	89.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000		75.5	82.9	87.1	90.3	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900		75.5	82.9	87.1	90.3	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800		75.5	83.2	87.7	91.0	91.9	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700		75.9	84.1	88.1	91.4	92.9	93.6	94.2	94.2	94.5	94.8	95.2	95.2	95.2	95.2	95.2
≥ 600		75.5	83.2	88.7	92.6	93.6	94.5	95.5	95.5	95.8	96.1	96.5	96.5	96.5	96.5	96.5
≥ 500		75.9	83.2	89.3	92.9	93.9	95.2	96.1	96.1	96.8	97.1	97.7	97.7	97.7	97.7	97.7
≥ 400		75.9	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.7	98.1	99.0	99.0	99.0	99.0	99.0
≥ 300		75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.7	98.4	99.4	99.4	99.4	99.4	99.4
≥ 200		75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.7	98.7	99.7	99.7	100.0	100.0	100.0
≥ 100		75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.7	98.7	99.7	99.7	100.0	100.0	100.0
0		75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.7	98.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 214

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] MEMPHIS, TN 73-82 MAY

STATION STATION NAME YEARS 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	≥ ¼	≥ 0
NO CEILING	.3	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	.3	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
AVA 18000	.3	47.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AVA 16000	.3	47.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AVA 14000	.3	47.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AVA 12000	.3	47.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AVA 10000	.3	53.2	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
AVA 9000	.3	53.6	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
AVA 8000	.3	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
AVA 7000	.3	57.1	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
AVA 6000	.3	57.1	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
AVA 5000	.3	58.4	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
AVA 4500	.3	58.7	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
AVA 4000	.3	60.3	61.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
AVA 3500	.3	61.3	63.2	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
AVA 3000	.3	65.5	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AVA 2500	.3	70.0	72.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
AVA 2000	.3	76.1	78.7	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
AVA 1800	.3	77.4	80.0	82.6	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
AVA 1500	.3	80.3	83.2	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AVA 1200	.3	81.7	85.2	86.7	89.4	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AVA 1000	.3	82.3	87.1	91.3	92.3	92.4	93.4	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
AVA 900	.3	82.3	87.1	91.6	92.9	93.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
AVA 800	.3	83.2	88.7	93.2	94.8	95.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8
AVA 700	.3	83.2	88.7	93.6	95.2	95.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
AVA 600	.3	83.9	89.4	94.2	95.8	96.5	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
AVA 500	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4
AVA 400	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4
AVA 300	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.4	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
AVA 200	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.4	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
AVA 100	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.4	98.4	99.0	99.7	99.7	99.7	99.7	99.7	99.7
AVA 0	.3	83.9	89.4	94.2	95.8	96.8	97.7	98.4	98.4	99.0	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13839	MEMPHIS, TN	73-82	MAR
STATION	STATION NAME	YEARS	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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.7	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000		50.3	51.6	51.6	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		50.3	51.6	51.6	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		50.3	51.6	51.6	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		50.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000		56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000		56.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000		60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000		60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000		61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000		61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500		61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000		64.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 3500		65.8	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000		70.3	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500		74.5	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000		76.7	83.6	84.5	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		78.7	85.9	86.8	87.5	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.8	87.8	87.8	87.8
≥ 1500		81.0	88.6	89.1	89.7	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200		81.9	89.4	89.7	91.6	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		82.8	89.4	91.0	93.2	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900		83.2	91.0	92.9	95.2	95.5	95.5	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800		83.6	91.3	93.2	95.5	95.8	95.8	95.8	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		83.6	91.3	93.6	96.1	96.5	96.5	96.8	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		83.6	91.3	93.6	96.1	96.8	96.8	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		83.6	91.3	93.6	96.1	96.8	96.8	97.4	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		83.6	91.3	93.6	96.1	96.8	96.8	97.4	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		83.6	91.6	93.9	96.5	97.1	97.1	97.7	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		83.6	91.6	93.9	96.5	97.1	97.1	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		83.6	91.6	93.9	96.5	97.1	97.1	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		83.6	91.6	93.9	96.5	97.1	97.1	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAR (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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 20000	51.3	52.3	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	51.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	51.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	52.7	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	54.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	57.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	57.4	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	60.7	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	61.3	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	62.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	63.8	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4500	65.2	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	66.8	69.2	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	68.4	70.7	71.0	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	72.6	75.8	76.1	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	74.5	78.7	79.7	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	77.7	81.9	83.2	85.8	86.5	86.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	79.0	83.2	84.5	87.1	87.7	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	81.0	85.5	86.8	89.4	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	82.4	87.4	89.3	91.9	92.9	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	82.9	87.7	90.0	93.2	94.2	94.5	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	82.9	87.7	90.0	93.2	94.2	94.8	94.8	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	82.9	88.1	90.3	93.6	94.5	95.2	95.2	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	82.9	89.1	90.7	93.9	94.8	95.5	95.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	82.9	88.1	91.0	93.7	95.5	96.5	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	82.9	88.1	91.3	94.5	95.8	97.1	97.4	97.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0
≥ 400	82.9	88.1	91.3	94.8	96.1	97.4	97.7	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7
≥ 300	82.9	88.1	91.3	94.8	96.1	97.4	97.7	98.1	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	82.9	88.1	91.3	94.8	96.1	97.4	97.7	98.1	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	82.9	88.1	91.3	94.8	96.1	97.4	97.7	98.1	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0
0	82.9	88.1	91.3	94.8	96.1	97.4	97.7	98.1	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

723239	MEMPHIS, TN	73-82	MAY
STATION	STATION NAME	YEARS	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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000		63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000		67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000		67.7	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000		70.7	71.9	72.6	72.9	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500		71.9	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000		73.1	74.5	75.5	75.8	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500		73.9	75.2	76.5	76.8	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000		77.4	79.4	80.3	80.7	81.0	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500		77.1	81.0	81.9	82.3	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		80.0	82.3	83.2	84.2	84.5	84.8	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		81.4	83.6	84.3	85.5	85.8	86.1	86.1	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1500		82.3	84.8	86.1	88.1	88.4	88.7	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200		82.4	85.8	87.8	89.7	90.0	90.3	90.3	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000		82.6	86.5	88.4	91.6	92.6	92.9	92.9	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900		93.2	87.7	89.7	93.2	94.5	94.8	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800		93.8	88.1	90.3	93.9	95.2	95.5	95.8	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700		93.8	88.1	90.3	93.9	95.2	95.5	95.8	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		93.8	88.1	90.3	93.9	95.5	95.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		93.8	88.7	91.0	94.5	96.1	96.5	97.4	97.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400		93.8	89.0	91.3	95.2	96.8	97.1	98.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		93.8	89.3	91.3	95.2	96.8	97.1	98.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		93.8	89.3	91.3	95.2	96.8	97.1	98.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		93.8	89.3	91.3	95.2	96.8	97.1	98.1	98.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		93.8	89.3	91.3	95.2	96.8	97.1	98.1	98.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 713

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] 39 MEMPHIS, TN 73-82 MAY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

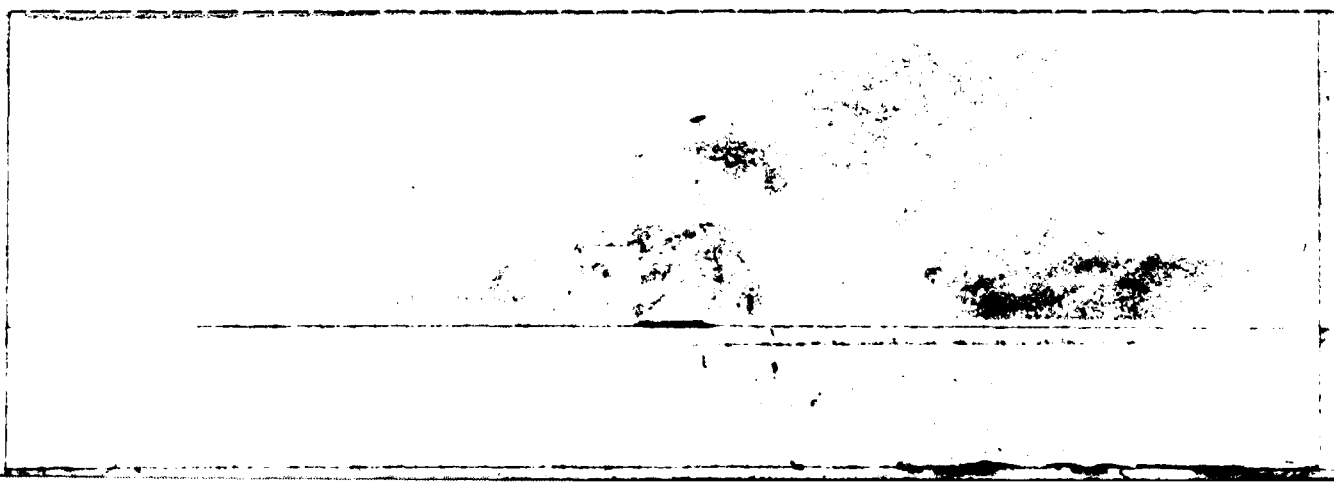
ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	[illegible]	[illegible]	42.1	42.[illegible]	42.[illegible]	42.8	42.8	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.[illegible]	43.[illegible]
≥ 20000	[illegible]	[illegible]	50.8	51.3	51.7	51.7	51.7	51.8	51.8	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]
≥ 18000	[illegible]	[illegible]	50.[illegible]	51.3	51.7	51.7	51.7	51.8	51.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	[illegible]
≥ 16000	[illegible]	[illegible]	50.[illegible]	51.3	51.7	51.7	51.7	51.8	51.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	52.[illegible]	[illegible]
≥ 14000	[illegible]	[illegible]	51.[illegible]	51.5	51.9	51.9	51.9	52.0	52.[illegible]	52.[illegible]	52.2	52.2	52.2	52.2	52.3	[illegible]
≥ 12000	[illegible]	[illegible]	52.[illegible]	52.5	52.9	53.[illegible]	53.[illegible]	53.[illegible]	53.[illegible]	53.[illegible]	53.3	53.3	53.3	53.3	53.4	53.6
≥ 10000	[illegible]	[illegible]	56.[illegible]	56.5	57.[illegible]	57.[illegible]	57.[illegible]	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.4	57.4
≥ 9000	[illegible]	[illegible]	56.[illegible]	56.9	57.3	57.3	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
≥ 8000	[illegible]	[illegible]	59.5	60.2	60.7	60.7	60.7	60.9	61.[illegible]	61.1	61.1	61.1	61.1	61.1	61.1	61.[illegible]
≥ 7000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	[illegible]	[illegible]	60.9	61.8	62.4	62.4	62.4	62.5	62.[illegible]	62.7	62.7	62.7	62.8	62.[illegible]	62.[illegible]	62.[illegible]
≥ 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	[illegible]	[illegible]	64.7	65.7	66.[illegible]	66.[illegible]	66.[illegible]	66.5	66.[illegible]	66.7	66.7	66.7	66.7	66.7	66.[illegible]	66.[illegible]
≥ 4000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	[illegible]	[illegible]	69.6	69.6	70.4	70.5	70.5	70.7	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.[illegible]
≥ 3000	[illegible]	[illegible]	72.[illegible]	73.[illegible]	74.7	74.8	74.8	75.0	75.[illegible]	75.2	75.2	75.2	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]
≥ 2500	[illegible]	[illegible]	75.1	76.6	77.7	77.9	78.[illegible]	78.1	78.[illegible]	78.[illegible]	78.[illegible]	78.[illegible]	78.[illegible]	78.5	78.[illegible]	78.[illegible]
≥ 2000	[illegible]	[illegible]	79.[illegible]	81.1	82.[illegible]	82.[illegible]	83.1	83.[illegible]	83.[illegible]	83.[illegible]	83.[illegible]	83.[illegible]	83.[illegible]	83.[illegible]	83.7	83.[illegible]
≥ 1800	[illegible]	[illegible]	80.[illegible]	82.1	83.6	83.[illegible]	84.2	84.[illegible]	84.[illegible]	84.6	84.6	84.6	84.7	84.7	84.[illegible]	84.[illegible]
≥ 1500	[illegible]	[illegible]	83.[illegible]	85.[illegible]	86.9	87.[illegible]	87.7	87.8	87.9	88.2	88.2	88.3	88.4	88.4	88.[illegible]	88.[illegible]
≥ 1200	[illegible]	[illegible]	84.8	87.1	89.[illegible]	89.6	90.0	90.2	90.3	90.6	90.6	90.7	90.7	90.7	[illegible]	[illegible]
≥ 1000	[illegible]	[illegible]	86.1	88.8	91.[illegible]	91.9	92.[illegible]	92.5	92.6	93.[illegible]	93.1	93.1	93.2	93.2	93.2	93.[illegible]
≥ 900	[illegible]	[illegible]	87.[illegible]	89.8	92.[illegible]	93.[illegible]	93.6	93.8	94.[illegible]	94.[illegible]	94.5	94.5	94.6	94.6	94.6	94.[illegible]
≥ 800	[illegible]	[illegible]	87.[illegible]	90.5	93.[illegible]	93.9	94.[illegible]	94.8	95.[illegible]	95.[illegible]	95.[illegible]	95.[illegible]	95.9	95.9	95.9	96.[illegible]
≥ 700	[illegible]	[illegible]	87.6	90.[illegible]	93.6	94.[illegible]	95.[illegible]	95.4	95.[illegible]	96.1	96.3	96.[illegible]	96.5	96.5	96.5	96.[illegible]
≥ 600	[illegible]	[illegible]	87.[illegible]	91.[illegible]	94.[illegible]	95.[illegible]	95.7	96.1	96.[illegible]	96.9	97.1	97.2	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]
≥ 500	[illegible]	[illegible]	87.[illegible]	91.5	94.[illegible]	95.[illegible]	96.[illegible]	96.9	97.[illegible]	97.9	98.2	98.[illegible]	98.[illegible]	98.[illegible]	98.5	98.[illegible]
≥ 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	[illegible]	[illegible]	88.[illegible]	91.5	94.7	95.8	96.7	97.[illegible]	97.6	98.[illegible]	98.9	99.[illegible]	99.2	99.2	99.2	99.[illegible]
≥ 200	[illegible]	[illegible]	88.[illegible]	91.5	94.7	95.8	96.7	97.5	97.6	98.6	99.[illegible]	99.2	99.4	99.5	99.6	99.7
≥ 100	[illegible]	[illegible]	88.[illegible]	91.6	94.[illegible]	95.[illegible]	96.[illegible]	97.5	97.7	98.6	99.1	99.3	99.6	99.6	99.[illegible]	99.[illegible]
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 24[illegible]

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) 3

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		5.7	5.3	5.3	5.3	5.7	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3
≥ 20000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000		69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000		72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000		73.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000		74.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000		74.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500		77.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000		79.3	81.3	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500		80.7	83.3	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000		82.7	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500		84.3	87.7	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000		85.3	89.0	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800		90.0	89.7	91.0	91.0	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500		85.7	90.7	92.7	92.7	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200		87.3	91.7	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000		89.3	92.7	95.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900		96.3	97.7	98.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800		96.3	96.0	96.0	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		98.3	98.3	98.3	98.7	99.3	99.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		97.7	98.7	98.3	98.7	98.7	98.3	99.7	99.7	99.7	99.3	99.3	99.3	99.0	99.3	99.3
≥ 500		98.7	98.3	98.3	98.7	98.3	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		98.7	98.3	98.3	98.7	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		98.7	98.3	98.3	98.7	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		98.7	98.3	98.3	98.7	98.3	98.7	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
≥ 100		97.7	98.3	98.3	98.7	98.3	98.7	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
0		99.7	98.3	98.3	98.7	98.3	98.7	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | APR MONTH

[illegible] HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	66.7	67.0	67.3	[illegible]	67.3	67.3	67.3	67.7	68.0	68.0	68.0	68.[illegible]	68.0	[illegible]
≥ 20000		[illegible]	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000		[illegible]	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7
≥ 16000		[illegible]	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000		[illegible]	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000		[illegible]	64.3	65.3	65.7	65.7	65.7	65.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000		67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000		67.3	69.0	70.0	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000		[illegible]	71.0	72.0	72.3	72.3	72.3	72.3	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000		69.3	71.0	72.0	72.3	72.3	72.3	72.3	72.3	72.7	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000		69.7	71.7	72.7	73.0	73.0	73.0	73.0	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000		72.0	74.0	75.0	75.3	75.3	75.3	75.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		72.7	74.7	75.7	76.0	76.0	76.0	76.0	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		76.0	78.0	79.0	79.3	79.3	79.3	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		76.7	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000		80.3	83.0	84.3	85.0	85.0	85.3	85.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		81.3	84.3	85.7	86.3	86.3	86.7	86.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000		82.0	85.0	86.3	87.3	87.3	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800		82.0	85.0	86.3	87.3	87.3	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500		82.3	85.7	87.0	88.7	88.7	89.3	89.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200		84.3	87.7	89.0	90.7	90.7	91.3	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		85.3	88.7	91.3	92.3	92.3	93.0	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900		85.3	89.7	90.7	92.7	92.7	93.7	94.0	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800		86.0	89.7	92.0	94.0	94.3	95.3	95.3	95.3	95.7	96.3	96.0	96.0	96.0	96.0	96.0
≥ 700		86.3	90.0	92.3	94.7	94.7	96.0	96.3	96.3	96.7	97.0	97.3	97.0	97.0	97.0	97.0
≥ 600		87.3	91.0	93.3	95.7	95.7	97.0	97.3	97.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		87.7	91.3	93.7	96.3	96.3	97.7	98.0	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		87.7	91.3	93.7	96.7	96.7	98.0	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		87.7	91.3	93.7	96.7	97.0	98.3	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		87.7	91.3	93.7	96.7	97.3	98.3	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		87.7	91.3	93.7	96.7	97.3	98.3	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	100.0
0		87.7	91.3	93.7	96.7	97.3	98.3	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET *SMOS*

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

AP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000		55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000		55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000		55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000		55.3	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000		57.0	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000		60.7	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000		61.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000		61.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000		62.7	64.0	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000		63.0	64.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4500		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000		66.3	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3500		70.0	71.0	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000		74.3	77.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500		77.0	80.0	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000		81.0	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800		82.3	86.0	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500		84.3	88.0	90.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200		85.3	90.0	91.3	92.7	93.0	93.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000		86.3	91.3	93.0	94.7	95.0	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900		86.3	91.3	93.0	94.7	95.7	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		87.0	92.3	94.3	96.3	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		87.3	92.7	94.7	96.7	98.0	98.0	99.7	99.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		87.3	92.7	94.7	96.7	98.0	98.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		87.3	92.7	95.0	97.0	98.3	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		87.3	92.7	95.0	97.3	98.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		87.3	92.7	95.3	97.3	98.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		87.3	92.7	95.3	97.3	98.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		87.3	92.7	95.0	97.3	98.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		87.3	92.7	95.0	97.0	98.3	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

[illegible] STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | APR MONTH

12 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.[illegible]	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000		55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000		56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000		59.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000		63.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000		64.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000		66.7	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000		67.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000		67.3	68.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000		67.7	69.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500		68.3	69.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		70.3	72.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500		73.0	75.0	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000		78.7	80.7	81.7	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500		83.7	85.3	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000		85.3	87.7	90.0	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		86.0	89.3	90.7	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		87.7	90.0	92.7	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		88.3	90.7	93.7	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000		90.0	92.3	95.3	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		90.0	92.3	95.3	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		90.3	93.0	96.0	96.7	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		90.0	93.0	96.0	96.7	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		90.3	93.3	96.3	97.0	97.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
0		90.3	93.3	96.3	97.0	97.0	98.7	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] MEMPHIS, TN 73-82 APR

STATION STATION NAME YEARS 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		[illegible]	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000		[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000		[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000		[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000		[illegible]	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000		[illegible]	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		[illegible]	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		[illegible]	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000		[illegible]	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000		[illegible]	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000		[illegible]	[illegible]	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500		[illegible]	81.7	81.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000		[illegible]	83.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500		[illegible]	85.3	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000		[illegible]	88.3	88.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500		[illegible]	89.7	90.0	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000		[illegible]	91.7	92.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800		[illegible]	92.0	92.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500		[illegible]	94.3	94.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200		[illegible]	94.7	95.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		[illegible]	95.3	95.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		[illegible]	95.7	96.0	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		[illegible]	95.7	96.0	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		[illegible]	96.0	96.3	98.3	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.0	99.0	99.0	99.0
≥ 600		[illegible]	96.0	96.3	98.3	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0		[illegible]	96.0	96.3	98.3	98.7	99.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] MEMPHIS, TN — 73-81 — APR

STATION — STATION NAME — YEARS — 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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	47.8	49.3	50.3	[illegible]	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000		58.1	59.7	60.3	60.7	60.0	60.5	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		59.1	59.7	60.3	60.5	60.0	60.5	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		59.1	59.7	60.3	60.5	60.0	60.5	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		59.4	60.0	60.6	61.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		59.6	61.2	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000		63.3	65.2	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000		63.6	65.5	66.3	66.5	66.5	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000		66.4	69.5	69.5	69.7	69.8	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000		67.6	69.9	70.8	71.0	71.1	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000		68.1	70.3	71.3	71.5	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 5000		69.4	72.0	73.0	73.2	73.2	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500		70.0	72.8	73.6	73.9	73.9	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000		72.3	75.1	76.2	76.6	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500		73.6	76.8	78.1	78.6	78.7	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000		77.4	80.6	82.3	82.9	83.0	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500		79.5	83.1	84.8	85.5	85.7	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		81.7	85.5	87.4	88.3	88.5	88.9	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		82.2	86.0	87.9	88.8	89.0	89.5	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1500		83.6	87.8	89.8	90.8	91.1	91.7	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200		84.6	88.9	91.0	92.1	92.4	93.0	93.3	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000		85.9	90.3	92.6	94.0	94.4	95.0	95.4	95.4	95.9	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900		85.9	90.4	92.9	94.5	94.9	95.8	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800		86.3	91.0	93.7	95.3	95.8	96.5	97.0	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		86.5	91.3	94.0	95.6	96.2	97.1	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		86.7	91.3	94.3	96.1	96.5	97.8	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		86.7	91.5	94.3	96.1	96.8	97.8	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		86.7	91.5	94.3	96.2	96.8	97.9	98.8	98.8	99.3	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300		86.7	91.5	94.3	96.2	96.9	98.0	98.9	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200		86.7	91.5	94.3	96.2	96.8	98.0	98.9	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100		86.7	91.5	94.3	96.2	96.8	98.0	98.9	98.9	99.5	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0		86.7	91.5	94.3	96.2	96.8	98.0	98.9	98.9	99.5	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2410

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4

[illegible] MEMPHIS, TN 73-82 MAY

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20
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]	57.2	58.1	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	57.1	57.1	57.1	57.1
≥ 20000		[illegible]	63.9	64.8	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5
≥ 18000		[illegible]	63.9	64.9	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5
≥ 16000		[illegible]	63.9	64.9	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5
≥ 14000		[illegible]	63.9	64.9	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5
≥ 12000		[illegible]	64.2	66.5	67.4	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4
≥ 10000		73.2	76.0	77.3	78.3	78.6	78.6	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.6
≥ 9000		73.2	76.3	77.6	78.6	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.6	79.6	79.6	79.9
≥ 8000		74.7	76.8	78.1	79.1	79.4	79.4	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.3
≥ 7000		[illegible]	75.5	77.8	78.7	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	80.0
≥ 6000		76.7	76.8	78.1	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.3
≥ 5000		[illegible]	77.6	79.4	80.7	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.9	81.9	81.9	82.3
≥ 4500		77.6	78.7	80.7	81.9	82.3	82.6	82.9	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.6
≥ 4000		[illegible]	80.0	81.9	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.8	84.8	84.8	85.2
≥ 3500		79.2	81.3	83.2	84.5	85.2	85.5	85.8	85.9	85.8	85.8	85.9	86.1	86.1	86.1	86.5
≥ 3000		[illegible]	83.2	85.5	86.8	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.7
≥ 2500		77.1	84.5	87.1	88.7	89.4	89.7	[illegible]	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.7
≥ 2000		[illegible]	85.2	87.7	90.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.9
≥ 1800		77.7	85.2	87.7	90.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.9
≥ 1500		[illegible]	86.5	89.4	91.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.5
≥ 1200		80.3	86.1	91.0	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	95.2
≥ 1000		80.7	88.4	91.9	95.5	95.5	95.8	96.5	96.5	96.5	96.5	96.8	97.1	97.1	97.1	97.4
≥ 900		80.7	88.4	91.9	94.8	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4	97.4	97.7
≥ 800		80.7	88.4	91.9	94.8	96.1	96.5	97.1	97.1	97.1	97.4	97.4	97.7	97.7	97.7	98.1
≥ 700		80.7	88.4	91.9	95.2	96.4	97.1	97.7	97.7	97.7	98.1	98.1	98.4	98.4	98.4	98.7
≥ 600		[illegible]	88.7	92.3	95.5	97.1	97.4	98.1	98.1	98.1	98.4	98.4	98.7	98.7	98.7	99.3
≥ 500		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0
≥ 400		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0
≥ 300		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0
≥ 200		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0
≥ 100		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0
0		81.3	89.0	92.6	95.8	97.4	97.7	98.4	98.4	99.0	99.4	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]19	[illegible]PHIS, TN	73-82	MAY

HOURS (LST) 24

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		46.1	53.6	55.5	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		54.3	62.3	65.5	67.1	67.1	67.1	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000		54.7	62.9	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000		54.2	62.9	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000		54.2	62.4	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000		56.1	64.8	67.7	69.4	69.4	69.4	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		58.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
≥ 9000		59.0	69.7	72.9	74.5	74.5	74.5	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.8	75.8
≥ 8000		68.5	73.9	77.4	79.0	79.0	79.0	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.7	80.7
≥ 7000		68.5	74.5	78.1	79.7	79.7	79.7	80.3	80.3	80.7	81.0	81.0	81.0	81.0	81.3	81.3
≥ 6000		69.8	75.2	78.7	80.7	80.7	80.7	81.3	81.3	81.6	81.9	81.9	81.9	81.9	82.3	82.3
≥ 5000		69.1	75.5	79.0	81.0	81.0	81.0	81.6	81.6	81.9	82.3	82.3	82.3	82.3	82.6	82.6
≥ 4500		69.4	75.1	78.7	81.6	81.6	81.6	82.3	82.3	82.6	82.9	82.9	82.9	82.9	83.2	83.2
≥ 4000		69.4	77.7	81.6	83.6	83.6	83.6	84.2	84.2	84.5	84.8	84.8	84.8	84.8	85.2	85.2
≥ 3500		69.7	77.7	82.6	84.5	84.5	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	86.1	86.1
≥ 3000		69.7	79.7	84.2	86.2	86.2	86.8	87.4	87.4	87.7	88.1	88.1	88.1	88.1	88.4	88.4
≥ 2500		70.0	80.3	84.8	87.4	87.4	87.4	88.1	88.1	88.4	88.7	88.7	88.7	88.7	89.0	89.0
≥ 2000		71.3	81.6	86.1	88.7	88.7	88.7	89.4	89.4	90.0	90.3	90.3	90.3	90.3	90.7	90.7
≥ 1800		71.3	81.9	86.4	89.0	89.0	89.0	89.7	89.7	90.3	90.7	90.7	90.7	90.7	91.0	91.0
≥ 1500		72.6	83.2	88.1	90.7	90.7	90.7	91.3	91.3	91.9	92.3	92.3	92.3	92.3	92.6	92.6
≥ 1200		72.9	83.9	88.4	92.3	92.3	92.3	92.9	92.9	93.6	93.9	93.9	93.9	93.9	94.2	94.2
≥ 1000		72.9	83.9	88.7	92.6	92.6	93.2	93.9	93.9	94.5	94.8	94.8	94.8	94.8	95.2	95.2
≥ 900		73.2	84.8	90.7	93.6	93.6	94.2	94.8	94.8	95.5	95.8	95.8	95.8	95.8	96.1	96.1
≥ 800		73.2	84.8	90.7	93.6	93.5	94.2	95.2	95.2	95.8	96.1	96.1	96.1	96.1	96.5	96.5
≥ 700		74.2	85.5	91.3	94.5	94.5	95.2	96.1	96.1	96.8	97.1	97.1	97.1	97.1	97.4	97.4
≥ 600		74.2	85.5	91.6	94.8	94.8	96.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.4	98.4
≥ 500		74.5	85.8	91.9	95.2	95.5	96.9	97.7	97.7	98.4	98.7	98.7	98.7	98.7	99.0	99.0
≥ 400		74.2	85.8	92.3	95.5	95.8	97.1	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.3	99.3
≥ 300		74.5	85.8	92.3	95.5	95.8	97.1	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.7	99.7
≥ 200		74.5	85.8	92.3	95.5	95.8	97.1	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.7	100.0
≥ 100		74.5	85.8	92.3	95.5	95.8	97.1	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.7	100.0
0		74.5	85.8	92.3	95.5	95.8	97.1	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH MAY

HOURS (LST) 10

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		51.1	41.0	45.8	49.4	50.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000		57.4	47.7	53.6	57.1	58.1	59.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		57.4	47.7	53.6	57.1	58.1	59.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		57.4	47.7	53.6	57.1	58.1	59.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		57.4	47.1	53.6	57.4	58.4	59.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		56.7	51.3	57.1	60.7	61.6	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000		62.3	53.4	60.0	63.6	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		62.4	54.2	60.3	64.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		67.1	59.0	66.5	71.3	72.6	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000		68.1	60.4	67.4	72.3	73.6	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000		68.4	60.5	67.7	72.6	73.9	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000		69.4	61.9	69.4	74.2	75.5	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500		69.7	62.3	69.7	74.5	75.8	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		71.0	63.9	71.3	76.8	78.1	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500		71.6	64.8	72.2	77.7	79.1	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000		72.4	65.8	73.2	78.8	80.2	82.1	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500		73.2	67.4	74.8	80.7	82.1	84.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000		73.7	68.1	76.1	81.9	83.2	85.0	86.0	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800		73.7	68.1	76.1	81.9	83.2	85.0	86.0	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500		73.8	68.1	76.1	81.9	83.2	85.0	86.0	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200		74.2	69.7	76.8	83.2	84.6	87.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000		74.2	69.7	77.7	83.3	84.7	87.5	88.5	89.2	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900		74.7	70.3	78.1	84.5	86.0	88.9	90.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800		75.5	71.2	79.0	86.1	87.7	91.0	92.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700		76.1	71.4	79.7	86.9	89.7	92.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600		76.1	71.4	79.7	87.1	89.7	92.8	94.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500		76.5	71.9	80.0	87.4	91.0	95.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		76.5	71.9	80.0	87.4	91.0	95.2	97.4	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1
≥ 300		76.5	71.9	80.3	87.7	91.3	95.5	97.7	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4
≥ 200		76.5	71.9	80.3	87.7	91.3	95.5	98.1	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0
≥ 100		76.5	71.9	80.3	87.7	91.3	95.5	98.1	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0
0		76.5	71.9	80.3	87.7	91.3	95.5	98.1	98.4	98.7	98.7	98.7	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] STATION | MEMPHIS, TN STATION NAME | [illegible] YEARS | MAY 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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		93.5	94.0	96.6	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 20000		94.1	95.2	96.1	96.3	96.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000		94.1	95.2	96.1	96.3	96.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000		94.1	95.2	96.1	96.3	96.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000		94.1	95.2	96.1	96.3	96.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000		95.3	96.8	96.8	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 10000		89.5	97.0	91.2	92.8	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 9000		89.5	97.3	91.5	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 8000		85.7	93.8	94.9	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 7000		85.7	93.8	94.9	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 6000		85.7	93.8	94.9	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 5000		86.0	94.1	95.3	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500		86.3	94.4	95.6	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000		86.3	94.7	95.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500		86.4	94.8	96.0	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000		86.6	94.8	96.0	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500		91.2	96.5	97.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000		91.4	96.8	98.0	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800		86.1	92.7	94.3	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500		87.3	93.6	95.8	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		87.3	93.9	95.4	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
0		87.6	93.9	95.4	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 372

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 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 _____ 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-77 MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 20000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 18000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 16000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 14000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 12000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 10000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 9000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 8000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 0		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		71.7	65.7	71.3	72.0	72.3	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.	73.	73.
≥ 20000		76.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.7
≥ 18000		76.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000		76.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 14000		76.7	77.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000		80.3	77.3	79.7	80.3	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000		82.3	81.7	84.0	84.7	85.0	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 9000		82.3	81.7	84.0	84.7	85.0	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 8000		84.7	84.3	86.7	87.3	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 7000		86.	85.7	88.0	88.7	89.0	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000		86.7	85.7	88.3	88.7	89.0	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000		87.7	86.7	89.3	90.0	90.3	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.3
≥ 4500		87.7	87.0	89.7	90.3	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000		87.7	87.7	91.0	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500		89.7	88.7	91.3	92.0	92.3	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		89.7	90.7	94.3	95.0	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500		89.7	90.7	94.3	95.0	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000		90.7	91.7	95.3	96.0	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		90.7	91.7	95.3	96.0	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 1500		91.3	92.3	95.7	96.3	96.7	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		91.3	92.3	95.7	96.7	97.0	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		91.3	92.3	96.0	97.3	97.3	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		92.3	93.3	97.0	98.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		92.3	93.3	97.3	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		92.3	93.3	97.3	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		92.3	93.3	97.3	98.3	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JUN

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		72.1	81.9	83.9	85.6	85.9	86.2	86.2	86.2	86.6	86.6	86.6	86.9	86.9	86.9	86.9
≥ 20000		80.3	86.2	71.9	73.6	73.9	74.3	74.3	74.3	74.6	74.6	74.6	74.9	74.9	74.9	74.9
≥ 18000		73.9	66.9	71.9	73.6	73.9	74.3	74.3	74.3	74.6	74.6	74.6	74.9	74.9	74.9	74.9
≥ 16000		73.9	66.9	71.9	73.6	73.9	74.3	74.3	74.3	74.6	74.6	74.6	74.9	74.9	74.9	74.9
≥ 14000		73.9	66.9	71.9	73.6	73.9	74.3	74.3	74.3	74.6	74.6	74.6	74.9	74.9	74.9	74.9
≥ 12000		79.9	84.9	74.3	75.9	76.3	76.6	76.6	76.6	76.9	76.9	76.9	77.3	77.3	77.3	77.3
≥ 10000		79.9	73.6	78.9	80.6	80.9	81.3	81.3	81.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9
≥ 9000		79.9	73.9	79.3	80.9	81.3	81.6	81.6	81.6	81.9	81.9	81.9	82.3	82.3	82.3	82.3
≥ 8000		87.2	76.9	82.6	84.6	85.0	85.3	85.3	85.3	85.6	85.6	85.6	86.0	86.0	86.0	86.0
≥ 7000		87.2	77.6	83.3	85.3	85.6	86.0	86.0	86.0	86.3	86.3	86.3	86.6	86.6	86.6	86.6
≥ 6000		87.2	77.6	83.3	85.3	85.6	86.0	86.0	86.0	86.3	86.3	86.3	86.6	86.6	86.6	86.6
≥ 5000		87.6	79.3	85.0	87.0	87.3	87.6	87.6	87.6	88.0	88.0	88.0	88.3	88.3	88.3	88.3
≥ 4500		89.6	80.3	86.0	88.0	88.3	88.6	88.6	88.6	89.0	89.0	89.0	89.3	89.3	89.3	89.3
≥ 4000		91.3	81.3	87.3	89.3	89.6	90.0	90.0	90.0	90.3	90.3	90.3	90.6	90.6	90.6	90.6
≥ 3500		91.9	81.9	88.3	90.3	90.6	91.0	91.0	91.0	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 3000		92.9	84.0	90.6	92.6	93.0	93.3	93.3	93.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0
≥ 2500		94.9	85.9	92.0	94.0	94.3	94.7	94.7	94.7	95.0	95.0	95.0	95.3	95.3	95.3	95.3
≥ 2000		95.3	85.6	92.6	94.7	95.0	95.3	95.3	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0
≥ 1800		95.6	86.0	93.0	95.0	95.3	95.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3
≥ 1500		95.6	86.6	93.7	95.7	96.0	96.3	96.3	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 1200		95.6	86.6	93.7	95.7	96.0	96.3	96.3	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 1000		95.9	87.0	94.0	96.0	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.3
≥ 900		95.9	87.0	94.0	96.3	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.3
≥ 800		95.9	87.0	94.3	96.3	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7
≥ 700		96.9	87.0	94.7	97.0	97.3	97.7	97.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7
≥ 600		96.3	87.3	95.0	97.3	97.7	98.3	98.3	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 500		96.3	87.3	95.0	97.3	97.7	98.3	98.3	98.3	99.0	99.0	99.0	99.7	99.7	99.7	99.7
≥ 400		96.3	87.3	95.3	97.7	98.0	98.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300		96.3	87.3	95.3	97.7	98.0	98.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200		96.3	87.3	95.3	97.7	98.0	98.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100		96.3	87.3	95.3	97.7	98.0	98.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0		96.3	87.3	95.3	97.7	98.0	98.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 709

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | MEMPHIS, TN | [illegible] | JUN

STATION | STATION NAME | YEARS | 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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	42.1	46.5	49.6	[illegible]1.6	53.2	53.9	53.9	54.5	54.5	54.5	54.9	54.9	54.9	54.9
≥ 20000		36.1	45.8	55.5	59.9	62.2	63.9	64.7	64.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 18000		[illegible]6.1	45.8	55.5	59.9	62.2	63.9	64.9	64.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 16000		36.1	45.8	55.5	59.9	62.2	63.9	64.9	64.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 14000		[illegible]6.1	45.8	55.5	59.9	62.2	63.9	64.9	64.9	66.2	66.2	66.2	66.6	66.6	66.6	66.6
≥ 12000		37.9	50.5	57.5	61.9	64.2	65.9	66.9	66.9	68.2	68.2	68.2	68.6	68.6	68.6	68.6
≥ 10000		40.[illegible]	57.9	61.9	67.6	70.2	71.9	72.9	72.9	74.3	74.3	74.3	74.6	74.6	74.6	74.6
≥ 9000		[illegible]1.[illegible]	54.9	63.2	68.9	71.6	73.2	74.2	74.3	75.6	75.6	75.6	75.9	75.9	75.9	75.9
≥ 8000		48.5	54.2	61.2	73.9	76.2	78.6	79.6	79.6	80.9	80.9	80.9	81.3	81.3	81.3	81.3
≥ 7000		45.3	58.9	67.9	74.6	77.6	79.3	80.3	80.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9
≥ 6000		45.2	58.9	67.9	74.6	77.6	79.3	80.3	80.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9
≥ 5000		46.[illegible]	60.5	69.9	76.7	79.9	81.6	82.6	82.6	84.[illegible]	84.[illegible]	84.[illegible]	84.3	84.3	84.3	84.3
≥ 4500		46.9	60.5	70.2	77.3	80.3	81.9	82.9	82.9	84.3	84.3	84.3	84.6	84.6	84.6	84.6
≥ 4000		[illegible]5.3	63.2	72.9	80.6	84.3	86.0	87.0	87.0	88.3	88.3	88.3	88.6	88.6	88.6	88.6
≥ 3500		49.[illegible]	67.9	73.9	81.9	85.6	87.3	88.3	88.3	89.6	89.6	89.6	90.0	90.0	90.0	90.0
≥ 3000		[illegible]1.5	66.2	76.3	84.[illegible]	88.3	90.0	91.0	91.0	92.3	92.3	92.3	92.6	92.6	92.6	92.6
≥ 2500		[illegible]2.9	67.2	77.3	85.3	89.3	91.0	92.0	92.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 2000		[illegible]2.5	67.2	77.6	85.6	89.6	91.3	92.3	92.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0
≥ 1800		[illegible]2.[illegible]	67.6	77.9	86.[illegible]	90.[illegible]	91.6	92.6	92.6	94.[illegible]	94.0	94.0	94.3	94.3	94.3	94.3
≥ 1500		[illegible]3.[illegible]	67.9	78.3	86.3	90.3	92.0	93.0	93.0	94.3	94.3	94.3	94.7	94.7	94.7	94.7
≥ 1200		53.5	68.2	78.6	86.6	90.6	92.3	93.3	93.3	94.7	94.7	94.7	95.[illegible]	95.[illegible]	95.[illegible]	95.[illegible]
≥ 1000		[illegible]3.9	68.6	78.9	87.0	91.3	93.0	94.3	94.3	95.7	95.7	95.7	96.[illegible]	96.[illegible]	96.[illegible]	96.[illegible]
≥ 900		53.5	68.9	79.6	87.6	92.3	93.7	95.0	95.[illegible]	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 800		[illegible]3.5	68.9	79.6	87.6	92.3	93.7	95.0	95.[illegible]	96.7	96.3	96.3	96.7	96.7	96.7	96.7
≥ 700		53.[illegible]	69.6	80.6	89.[illegible]	93.3	95.0	96.3	96.7	97.7	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]
≥ 600		[illegible]4.2	69.9	80.9	90.0	[illegible]4.3	95.7	97.3	97.7	98.7	98.7	98.7	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]
≥ 500		[illegible]4.7	69.9	[illegible]0.9	90.0	[illegible]4.3	96.3	97.7	97.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 400		[illegible]4.2	69.9	[illegible]0.9	91.[illegible]	[illegible]4.3	96.3	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	99.7	99.7	99.7	99.7
≥ 300		[illegible]4.2	69.9	[illegible]0.9	91.[illegible]	[illegible]4.3	96.3	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	99.7	99.7	99.7	99.7
≥ 200		[illegible]4.2	69.9	[illegible]0.9	91.[illegible]	[illegible]4.3	96.3	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	99.7	99.7	99.7	99.7
≥ 100		[illegible]4.2	69.9	[illegible]0.9	91.[illegible]	[illegible]4.3	96.3	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	99.7	99.7	99.7	99.7
0		[illegible]4.2	69.9	[illegible]0.9	91.[illegible]	[illegible]4.3	96.3	97.7	97.7	98.[illegible]	98.[illegible]	98.[illegible]	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS [illegible] 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] 59 (STATION) MEMPHIS, TN (STATION NAME) 52-92 (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	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.7	47.3	52.0	55.0	5.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000		43.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000		49.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 16000		49.7	56.3	61.7	65.3	65.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000		50.0	56.7	62.0	65.7	65.7	66.0	66.3	66.7	66.3	66.3	66.3	66.3	66.3	66.3	66.7
≥ 12000		52.0	57.7	63.0	69.7	68.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000		58.7	63.0	69.0	73.0	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000		65.3	69.0	75.0	79.0	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000		66.7	66.7	73.3	78.0	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		67.0	67.3	74.3	79.0	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000		67.3	67.3	74.3	79.0	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000		67.3	67.7	74.7	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		68.3	69.0	76.0	80.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7
≥ 4000		69.0	71.0	77.3	82.7	82.7	83.0	83.3	83.7	83.3	83.3	83.3	83.3	83.3	83.3	83.7
≥ 3500		70.7	73.7	78.7	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000		72.3	74.3	81.3	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		83.3	76.3	83.3	88.0	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000		89.3	77.3	84.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800		84.3	77.3	84.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500		86.3	79.3	86.7	91.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200		86.7	87.3	87.7	93.3	93.3	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		87.7	81.7	89.3	95.0	95.3	95.7	96.0	96.0	95.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900		88.0	82.0	89.7	96.0	96.3	96.7	97.0	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		88.7	82.7	90.3	97.0	97.3	97.7	98.0	98.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		88.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		89.3	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0
0		89.7	83.3	91.3	98.0	98.3	98.7	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible] 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.3	57.7	58.3	58.7	60.0	60.3	60.3	60.7	60.0	61.0	60.3	60.0	60.0	60.0	60.0
≥ 20000		51.3	56.3	59.7	60.0	60.3	60.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000		51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000		51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000		51.0	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.7
≥ 12000		54.0	59.7	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000		57.7	64.0	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000		58.3	64.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7
≥ 8000		70.3	67.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000		67.3	67.3	71.7	71.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000		70.3	67.7	71.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000		67.7	68.3	71.3	71.7	72.3	72.7	72.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500		71.3	69.7	72.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000		73.7	72.3	75.7	76.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500		75.3	75.0	79.3	79.7	80.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000		78.3	81.3	86.0	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500		88.3	85.0	90.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000		95.7	88.3	93.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800		95.7	88.3	93.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500		96.7	89.3	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200		97.3	89.7	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		97.3	91.3	96.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7
≥ 900		97.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 800		97.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 700		97.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 600		97.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 500		97.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 400		97.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 300		97.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		97.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		97.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
0		97.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] 9 (STATION) NEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 (HOURS (LST))

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]	51.[illegible]	[illegible]	[illegible]	2.0	52.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000		[illegible]	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000		[illegible]	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000		[illegible]	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000		[illegible]	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000		[illegible]	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000		[illegible]	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		[illegible]	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000		[illegible]	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000		[illegible]	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000		[illegible]	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000		[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500		[illegible]	[illegible]	[illegible]	[illegible]	80.0	80.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.0	80.0	80.0
≥ 4000		[illegible]	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500		[illegible]	87.7	87.7	88.[illegible]	88.[illegible]	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000		[illegible]	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500		[illegible]	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000		[illegible]	95.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800		[illegible]	96.3	96.3	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		[illegible]	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		[illegible]	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000		[illegible]	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		[illegible]	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		[illegible]	97.7	97.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		[illegible]	98.0	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		[illegible]	98.0	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		[illegible]	98.3	98.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		[illegible]	98.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		[illegible]	98.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		[illegible]	98.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		[illegible]	98.3	98.3	99.[illegible]	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
0		[illegible]	98.3	98.3	99.[illegible]	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]00

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH JUN

HOURS (LST) 18

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		49.7	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		60.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000		60.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000		60.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000		61.0	67.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000		63.0	69.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000		72.0	74.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000		67.3	74.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 8000		71.3	78.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000		73.0	81.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000		73.3	81.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 5000		74.3	82.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500		74.3	82.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000		75.7	83.7	87.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500		76.0	84.3	88.7	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		78.7	86.0	90.7	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		79.7	87.0	91.7	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000		81.0	89.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800		81.0	89.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		81.3	91.3	96.7	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		81.3	91.7	97.0	97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0		81.3	91.7	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH JUL

HOURS (L S T) 21

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 18000		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 14000		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000		77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 9000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 8000		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 7000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 6000		89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 5000		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500		93.0	93.0	93.0	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		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	51.4	56.6	57.8	58.2	58.5	58.6	58.6	58.8	59.3	59.3	59.9	59.9	59.9	59.9
≥ 20000		65.6	67.4	67.3	68.7	69.1	69.5	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 18000		65.6	67.4	67.3	68.7	69.1	69.5	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 16000		65.6	67.4	67.3	68.8	69.2	69.6	69.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1
≥ 14000		65.7	67.5	67.4	68.9	69.3	69.6	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 12000		67.3	69.3	69.6	71.0	71.4	71.8	71.9	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3
≥ 10000		68.2	69.6	73.8	75.5	75.9	76.3	76.5	76.5	76.7	76.7	76.7	76.8	76.8	76.8	76.8
≥ 9000		71.3	73.2	74.6	76.2	76.7	77.1	77.2	77.2	77.5	77.5	77.5	77.6	77.6	77.6	77.6
≥ 8000		74.3	77.6	78.3	80.2	80.8	81.1	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		75.3	78.6	79.4	81.4	81.9	82.2	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7
≥ 6000		85.3	78.7	79.5	81.5	82.1	82.4	82.6	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9
≥ 5000		86.3	79.8	80.6	82.7	83.2	83.6	83.8	83.9	84.	84.0	84.0	84.1	84.1	84.1	84.1
≥ 4500		86.3	79.9	81.2	83.3	83.7	84.2	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000		86.5	81.3	83.5	85.7	86.4	86.7	86.9	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3
≥ 3500		86.4	82.4	84.9	87.2	87.9	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		92.0	87.6	88.3	90.7	91.5	91.8	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 2500		92.3	83.9	89.7	92.2	93.1	93.5	93.7	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.
≥ 2000		94.1	85.4	91.4	93.9	94.7	95.2	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800		94.3	85.6	91.7	94.1	95.	95.4	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 1500		94.3	86.3	92.5	95.1	95.9	96.3	96.6	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 1200		95.1	86.6	92.8	95.4	96.3	96.8	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 1000		95.3	86.9	93.2	95.9	96.9	97.4	97.8	97.8	98.	98.1	98.1	98.2	98.2	98.2	98.2
≥ 900		95.4	87.1	93.5	96.3	97.3	97.8	98.2	98.2	98.5	98.5	98.5	98.7	98.7	98.7	98.7
≥ 800		95.6	87.2	93.7	96.5	97.5	98.0	98.4	98.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 700		95.6	87.4	94.0	96.9	97.9	98.4	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3
≥ 600		95.7	87.5	94.1	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 500		95.7	87.5	94.2	97.3	98.2	98.7	99.3	99.3	99.5	99.6	99.6	99.7	99.9	99.9	99.9
≥ 400		95.7	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 300		95.7	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0
≥ 200		95.7	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		95.7	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		95.7	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2397

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH JUL

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING		65.1	67.9	69.4	69.4	69.4	70.0	70.7	70.7	70.7	71.7	71.8	71.8	71.8	71.8	71.8
≥ 20000		72.4	73.2	79.7	81.6	81.6	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8
≥ 18000		72.7	73.2	79.7	81.6	81.6	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8
≥ 16000		72.8	73.2	79.7	81.6	81.6	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8
≥ 14000		72.8	73.2	79.7	81.6	81.6	82.6	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8
≥ 12000		73.4	73.9	80.3	82.3	82.3	83.2	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2
≥ 10000		76.3	77.4	83.9	85.8	86.1	87.1	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1
≥ 9000		76.8	77.4	83.9	85.8	86.1	87.1	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1
≥ 8000		80.2	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6
≥ 7000		80.3	81.9	88.4	90.3	90.7	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000		80.6	81.9	88.4	90.3	90.7	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5000		81.9	82.6	89.3	91.3	91.3	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500		82.1	82.9	89.6	91.3	91.6	92.9	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 4000		82.1	83.2	89.7	91.6	91.9	93.2	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500		82.3	83.4	90.1	91.9	92.3	93.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3000		82.6	83.7	91.6	93.9	94.2	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500		82.7	85.5	91.9	94.2	94.5	95.8	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000		82.9	85.8	92.3	94.5	94.8	96.1	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800		82.9	85.8	92.3	94.5	94.8	96.1	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500		83.2	86.1	92.6	94.8	95.1	96.4	97.4	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		83.6	86.5	92.9	95.2	95.8	97.1	97.7	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		83.9	87.1	93.1	95.8	96.5	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		83.9	87.1	93.6	95.8	96.5	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		83.9	87.1	93.6	95.8	96.5	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		83.9	87.1	93.6	95.8	96.5	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		83.9	87.1	93.6	96.1	96.8	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		83.9	87.1	93.6	96.1	96.8	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		83.9	87.1	93.6	96.1	96.8	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		83.9	87.1	93.6	96.1	96.8	98.1	98.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		83.9	87.1	93.6	96.1	96.9	98.1	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		83.9	87.1	93.6	96.1	96.9	98.1	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		83.9	87.1	93.6	96.1	96.9	98.1	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		73.7	6[illegible]	7[illegible].3	72.9	73.6	73.9	73.[illegible]	73.9	74.5	74.[illegible]	74.8	74.8	74.8	74.[illegible]	7[illegible]
≥ 20000		8[illegible].1	7[illegible]	7[illegible]	82.6	[illegible]3.2	83.4	84.[illegible]	84.[illegible]	84.[illegible]	85.2	85.2	85.2	85.[illegible]	85.[illegible]	[illegible]
≥ 18000		[illegible]3.1	7[illegible]	79.[illegible]	82.6	[illegible]3.2	83.4	84.2	84.2	84.8	85.2	85.2	85.5	85.5	85.5	[illegible]
≥ 16000		83.1	7[illegible].1	79.[illegible]	82.6	[illegible]3.2	83.9	84.2	84.[illegible]	84.8	85.2	85.2	85.5	85.5	85.5	[illegible]
≥ 14000		[illegible]4.1	79.0	79.[illegible]	82.6	[illegible]3.2	83.9	84.2	84.[illegible]	84.8	85.2	85.2	85.5	85.5	85.5	[illegible]
≥ 12000		[illegible]5.[illegible]	79.7	79.7	83.2	[illegible]3.9	84.5	84.8	84.[illegible]	85.5	85.8	85.8	86.5	86.5	86.5	[illegible]
≥ 10000		[illegible]2.[illegible]	78.3	[illegible]3.9	[illegible]7.4	[illegible]8.1	88.7	89.0	89.[illegible]	89.7	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]
≥ 9000		[illegible]2.[illegible]	78.[illegible]	83.9	[illegible]7.4	[illegible]8.1	88.7	89.0	89.[illegible]	89.7	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.7	[illegible]0.7	[illegible]0.7	[illegible]
≥ 8000		[illegible]4.5	77.1	86.1	89.7	[illegible]0.3	91.0	[illegible]1.3	[illegible]1.3	[illegible]2.3	[illegible]2.6	[illegible]2.6	[illegible]2.9	[illegible]3.2	[illegible]3.2	[illegible]
≥ 7000		[illegible]5.[illegible]	77.7	[illegible]6.8	[illegible]0.[illegible]	[illegible]1.[illegible]	[illegible]1.6	[illegible]1.9	[illegible]1.9	[illegible]2.6	[illegible]3.2	[illegible]3.2	[illegible]3.9	[illegible]3.[illegible]	[illegible]3.9	[illegible]
≥ 6000		[illegible]5.5	78.1	[illegible]7.1	[illegible]0.7	[illegible]1.3	[illegible]1.9	[illegible]2.3	[illegible]2.[illegible]	[illegible]3.2	[illegible]3.6	[illegible]3.6	[illegible]4.2	[illegible]4.2	[illegible]4.[illegible]	[illegible]
≥ 5000		[illegible]5.[illegible]	78.[illegible]	[illegible]7.4	[illegible]1.0	[illegible]1.[illegible]	[illegible]2.3	[illegible]2.6	[illegible]2.6	[illegible]3.6	[illegible]3.9	[illegible]3.9	[illegible]4.5	[illegible]4.5	[illegible]4.5	[illegible]
≥ 4500		[illegible]6.[illegible]	79.0	[illegible]8.1	[illegible]1.6	[illegible]2.3	[illegible]2.9	[illegible]3.2	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]4.3	[illegible]4.5	[illegible]5.2	[illegible]5.2	[illegible]5.2	[illegible]
≥ 4000		[illegible]6.[illegible]	79.0	[illegible]8.1	[illegible]1.[illegible]	[illegible]2.4	[illegible]3.2	[illegible]3.6	[illegible]3.6	[illegible]4.3	[illegible]4.8	[illegible]4.8	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]
≥ 3500		[illegible]6.[illegible]	79.[illegible]	[illegible]8.1	[illegible]1.[illegible]	[illegible]2.[illegible]	[illegible]3.2	[illegible]3.6	[illegible]3.6	[illegible]4.3	[illegible]4.[illegible]	[illegible]4.8	[illegible]5.5	[illegible]5.5	[illegible]5.5	[illegible]
≥ 3000		[illegible]6.[illegible]	79.[illegible]	[illegible]8.[illegible]	[illegible]2.[illegible]	[illegible]2.9	[illegible]3.6	[illegible]3.9	[illegible]3.[illegible]	[illegible]4.[illegible]	[illegible]5.2	[illegible]5.2	[illegible]5.8	[illegible]5.8	[illegible]5.[illegible]	[illegible]
≥ 2500		[illegible]7.4	[illegible]0.[illegible]	[illegible]9.[illegible]	[illegible]2.9	[illegible]3.6	[illegible]4.2	[illegible]4.5	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]5.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.5	[illegible]
≥ 2000		[illegible]7.4	[illegible]0.3	[illegible]9.4	[illegible]3.2	[illegible]3.9	[illegible]4.5	[illegible]4.8	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]6.1	[illegible]6.1	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.8	[illegible]
≥ 1800		[illegible]7.[illegible]	[illegible]0.3	[illegible]9.[illegible]	[illegible]3.2	[illegible]3.9	[illegible]4.5	[illegible]4.8	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]6.1	[illegible]6.1	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.8	[illegible]
≥ 1500		[illegible]7.7	[illegible]0.7	[illegible]9.7	[illegible]3.6	[illegible]4.2	[illegible]4.8	[illegible]5.2	[illegible]5.[illegible]	[illegible]6.1	[illegible]6.5	[illegible]6.5	[illegible]7.1	[illegible]7.1	[illegible]7.1	[illegible]
≥ 1200		[illegible]8.1	[illegible]1.3	[illegible]0.7	[illegible]4.5	[illegible]5.2	[illegible]5.8	[illegible]6.5	[illegible]6.5	[illegible]7.4	[illegible]7.7	[illegible]7.7	[illegible]8.4	[illegible]8.4	[illegible]8.4	[illegible]
≥ 1000		[illegible]8.1	[illegible]1.[illegible]	[illegible]1.[illegible]	[illegible]4.[illegible]	[illegible]5.[illegible]	[illegible]6.5	[illegible]7.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]9.0	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]
≥ 900		[illegible]8.1	[illegible]1.6	[illegible]1.[illegible]	[illegible]4.8	[illegible]5.[illegible]	[illegible]6.5	[illegible]7.1	[illegible]7.1	[illegible]8.1	[illegible]8.4	[illegible]8.4	[illegible]9.0	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]
≥ 800		[illegible]8.1	[illegible]1.[illegible]	[illegible]1.6	[illegible]5.[illegible]	[illegible]6.1	[illegible]7.1	[illegible]7.7	[illegible]7.7	[illegible]8.7	[illegible]9.0	[illegible]9.0	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]
≥ 700		[illegible]8.1	[illegible]1.9	[illegible]1.6	[illegible]5.5	[illegible]6.1	[illegible]7.1	[illegible]7.7	[illegible]7.7	[illegible]8.7	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]
≥ 600		[illegible]8.1	[illegible]1.9	[illegible]1.[illegible]	[illegible]5.5	[illegible]6.1	[illegible]7.1	[illegible]7.7	[illegible]7.7	[illegible]8.7	[illegible]9.0	[illegible]9.[illegible]	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]
≥ 500		[illegible]8.1	[illegible]1.9	[illegible]1.[illegible]	[illegible]5.5	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]
≥ 400		[illegible]8.1	[illegible]1.9	[illegible]1.6	[illegible]5.5	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]
≥ 300		[illegible]8.1	[illegible]1.9	[illegible]1.[illegible]	[illegible]5.[illegible]	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]
≥ 200		[illegible]8.1	[illegible]1.9	[illegible]1.[illegible]	[illegible]5.5	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]
≥ 100		[illegible]8.1	[illegible]1.9	[illegible]1.6	[illegible]5.5	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]
0		[illegible]8.1	[illegible]1.9	[illegible]1.6	[illegible]5.5	[illegible]6.1	[illegible]7.[illegible]	[illegible]8.1	[illegible]8.1	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]0.0	[illegible]0.0	[illegible]0.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ⅛	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH JUL

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		57.7	57.2	56.1	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000		63.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000		63.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000		63.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000		63.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000		63.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		63.4	64.2	68.1	70.3	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		63.4	71.7	73.9	76.1	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		63.4	70.7	73.9	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000		65.9	73.2	77.1	79.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		66.2	73.9	77.7	80.3	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000		66.2	73.9	77.7	80.3	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		66.2	74.5	78.4	81.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		67.1	74.4	78.7	81.7	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		69.1	77.1	82.6	85.2	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000		76.3	77.7	84.2	86.8	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.4
≥ 2500		74.1	85.9	90.3	93.2	93.9	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	95.2
≥ 2000		76.1	87.4	92.3	95.2	96.1	96.5	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.4
≥ 1800		76.5	87.1	93.6	96.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.1
≥ 1500		76.5	87.4	93.6	96.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.
≥ 1200		76.5	87.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 900		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 800		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 700		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 600		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 500		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 400		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 300		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 200		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 100		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0
0		76.5	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME MEMPHIS, TN YEARS 73-82 MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST) 11

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]	67.4	71.6	72.6	73.3	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 20000		69.4	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 18000		69.4	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000		69.4	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 14000		69.4	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 12000		70.7	69.3	74.2	75.5	76.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000		83.3	77.6	78.1	80.0	80.7	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000		83.3	77.6	78.1	80.0	80.7	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000		87.1	78.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000		87.4	78.8	82.3	84.5	85.2	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000		87.7	79.1	82.6	84.8	85.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000		88.4	79.4	83.9	86.8	87.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500		89.2	79.8	84.5	87.1	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000		90.3	81.7	86.5	89.0	89.7	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500		91.6	82.3	88.1	91.0	91.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000		95.2	86.1	91.9	95.5	96.1	97.0	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500		95.5	86.5	92.3	95.8	96.5	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		95.8	86.8	92.9	96.5	97.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		95.8	86.8	92.9	96.5	97.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500		95.8	86.8	93.2	96.8	97.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200		95.8	86.8	93.2	97.1	97.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		95.8	86.8	93.2	97.1	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		95.8	87.1	93.6	97.4	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH: JUL

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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.2	54.2	59.0	60.3	60.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000		69.4	71.9	77.1	78.7	79.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000		69.4	71.9	77.1	78.7	79.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000		69.4	71.9	77.1	78.7	79.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000		69.4	71.9	77.1	78.7	79.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000		80.3	72.9	77.7	79.7	80.3	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 10000		83.2	76.5	81.9	83.9	84.2	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 9000		83.4	77.4	82.9	84.8	85.2	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1
≥ 8000		86.1	80.0	86.1	88.4	88.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000		86.5	80.3	86.5	88.7	89.0	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 6000		86.5	80.3	86.5	88.7	89.0	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 5000		87.1	81.0	87.4	89.7	90.0	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500		87.1	81.0	87.4	89.7	90.0	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000		88.1	82.7	89.4	91.6	91.9	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500		88.1	83.2	90.0	92.3	92.6	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000		89.0	83.5	90.3	92.6	92.9	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500		89.7	86.1	92.9	95.2	95.5	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		91.6	86.5	93.2	95.9	96.2	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800		91.6	86.5	93.2	95.9	96.2	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		91.9	86.8	93.9	96.1	96.5	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		91.9	86.8	93.9	96.5	96.8	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		91.9	86.8	93.9	96.5	96.8	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		91.9	86.8	93.9	96.5	96.8	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		91.9	86.8	93.9	96.5	96.8	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0		91.9	86.8	93.9	96.5	96.8	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-92 (YEARS) JUL (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	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.4	58.4	60.2	60.6	61.4	62.1	62.5	62.5	62.7	62.9	63.0	63.1	63.2	63.2	63.3
≥ 20000		61.2	68.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	75.9	76.0	76.2	76.2	76.3
≥ 18000		61.2	68.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	75.9	76.0	76.2	76.2	76.3
≥ 16000		61.2	68.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	75.9	76.0	76.2	76.2	76.3
≥ 14000		61.2	67.2	69.9	73.0	73.9	74.8	75.3	75.3	75.6	75.9	75.9	76.0	76.2	76.2	76.3
≥ 12000		52.2	64.2	71.1	74.3	75.1	76.1	76.6	76.6	76.9	77.2	77.2	77.3	77.5	77.5	77.5
≥ 10000		56.1	66.2	75.3	79.6	79.5	80.5	81.0	81.1	81.4	81.7	81.7	81.8	81.8	81.9	81.9
≥ 9000		56.3	67.9	76.6	79.7	79.9	80.9	81.4	81.4	81.7	82.0	82.1	82.2	82.2	82.2	82.2
≥ 8000		71.6	71.2	76.8	82.4	83.3	84.3	84.8	84.9	85.2	85.5	85.6	85.7	85.7	85.7	85.7
≥ 7000		71.6	71.5	79.2	82.6	83.7	84.7	85.2	85.3	85.7	85.9	86.0	86.1	86.1	86.1	86.1
≥ 6000		72.0	71.7	79.3	82.9	83.4	84.8	85.4	85.4	85.8	86.1	86.1	86.3	86.3	86.3	86.3
≥ 5000		72.3	73.3	79.9	83.6	84.3	85.6	86.1	86.2	86.6	86.8	86.9	87.0	87.0	87.0	87.0
≥ 4500		73.7	74.6	80.3	84.0	84.9	86.0	86.5	86.6	86.9	87.2	87.3	87.4	87.4	87.4	87.4
≥ 4000		73.8	74.8	81.8	85.6	86.5	87.6	88.2	88.2	88.6	88.9	88.9	89.0	89.0	89.0	89.0
≥ 3500		74.3	74.7	82.7	86.6	87.5	88.7	89.4	89.4	89.8	90.0	90.1	90.2	90.2	90.2	90.2
≥ 3000		77.6	77.6	85.7	90.0	91.0	92.2	92.8	92.9	93.3	93.6	93.6	93.8	93.8	93.8	93.8
≥ 2500		78.7	78.7	86.9	91.2	92.2	93.5	94.2	94.2	94.6	94.9	94.9	95.0	95.0	95.0	95.0
≥ 2000		79.4	79.4	87.8	92.1	93.2	94.4	95.2	95.2	95.6	95.9	95.9	96.1	96.1	96.1	96.1
≥ 1800		79.4	79.4	87.8	92.1	93.2	94.5	95.2	95.2	95.7	95.9	96.0	96.1	96.1	96.1	96.1
≥ 1500		80.0	80.0	88.6	93.0	94.2	95.4	96.2	96.2	96.7	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1200		81.4	81.4	89.0	93.6	94.6	96.1	96.8	96.9	97.4	97.7	97.7	97.9	97.9	97.9	97.9
≥ 1000		80.7	80.7	89.6	94.2	95.5	96.9	97.6	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.8
≥ 900		87.7	87.7	89.4	94.4	95.6	97.0	97.8	97.8	98.4	98.7	98.8	98.9	98.9	98.9	99.0
≥ 800		87.9	87.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.3
≥ 700		87.9	87.9	89.9	94.6	95.9	97.3	98.2	98.2	98.7	99.1	99.2	99.3	99.3	99.4	99.4
≥ 600		87.9	87.9	89.9	94.8	96.1	97.5	98.3	98.4	98.9	99.3	99.3	99.5	99.5	99.5	99.6
≥ 500		87.9	87.9	89.9	94.8	96.1	97.6	98.4	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.7
≥ 400		87.9	87.9	89.9	94.8	96.1	97.6	98.5	98.5	99.1	99.5	99.6	99.8	99.8	99.8	99.9
≥ 300		87.9	87.9	89.9	94.8	96.1	97.6	98.5	98.5	99.1	99.6	99.6	99.8	99.8	99.8	99.9
≥ 200		87.9	87.9	89.9	94.8	96.1	97.6	98.5	98.5	99.2	99.6	99.7	99.9	99.9	99.9	100.0
≥ 100		87.9	87.9	89.9	94.8	96.1	97.6	98.5	98.6	99.2	99.6	99.7	99.9	99.9	99.9	100.0
0		87.9	87.9	89.9	94.8	96.1	97.6	98.5	98.6	99.2	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 24[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ⅞	≥ ¾	≥ ⅝	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.1	59.4	68.4	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000		2.3	6.8	7.7	8.9	8.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
≥ 18000		2.3	6.8	7.7	8.9	8.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
≥ 16000		2.3	6.8	7.7	8.9	8.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
≥ 14000		2.3	6.8	7.7	8.9	8.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
≥ 12000		2.4	6.4	7.4	8.6	8.9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
≥ 10000		26.1	71.6	42.9	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000		26.1	71.6	42.9	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000		26.7	75.2	86.5	91.3	91.6	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000		26.7	75.2	86.5	91.6	91.9	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 6000		26.7	75.8	87.1	91.9	92.3	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5000		26.7	75.5	87.7	92.6	92.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500		26.7	75.5	87.7	92.6	92.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000		26.7	76.8	88.1	92.9	93.2	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3500		26.7	76.8	88.1	92.9	93.2	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000		41.6	73.1	89.7	94.5	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500		41.9	73.7	90.3	94.2	95.5	95.8	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000		42.2	73.7	91.3	96.5	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800		42.2	73.7	91.3	96.5	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		43.2	81.3	91.9	97.1	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		43.2	81.3	91.9	97.1	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		43.2	81.3	92.6	97.7	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		43.2	81.3	92.6	97.7	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		43.2	81.3	92.6	97.7	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		43.2	81.3	92.9	98.1	99.0	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME MEMPHIS, TN YEARS 73-82 MONTH ALL

HOURS (L S T) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.4	5 .7	61.9	67.1	68.4	7 .7	71.0	71.0	71.6	71.6	71.6	71.	71.6	71.6	71.6
≥ 20000		81.7	85.5	88.1	73.9	75.2	77.4	77.7	77.7	78.4	7 .4	78.4	7 .4	78.4	78.4	7 .4
≥ 18000		83.9	5 .5	89.1	73.9	75.2	77.4	77.7	77.7	78.4	7 .4	78.4	7 .4	78.4	78.4	78.4
≥ 16000		83.2	86.5	89.1	73.9	75.2	77.4	77.7	77.7	78.4	7 .4	78.4	7 .4	78.4	78.4	78.4
≥ 14000		83.2	86.5	89.1	73.9	75.2	77.4	77.7	77.7	78.4	7 .4	78.4	7 .4	78.4	78.4	78.4
≥ 12000		83.2	86.1	89.7	74.5	75.8	78.1	78.4	7 .9	79.1	7 .1	79.1	7 .1	79.1	79.1	79.1
≥ 10000		87.7	91.3	93.9	80.7	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000		87.4	91.9	94.5	81.0	82.3	84.5	84.8	84.8	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 8000		87.7	64.2	77.4	84.2	85.4	88.1	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000		71.4	65.2	78.4	85.2	86.8	89.5	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000		71.4	67.7	78.4	85.2	86.8	89.5	89.4	89.4	90.0	90.0	90.0	0.0	90.0	90.0	90.0
≥ 5000		72.6	66.5	79.7	86.5	88.1	90.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500		72.8	66.5	79.7	86.5	88.1	90.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.	91.3
≥ 4000		72.8	66.8	80.3	87.1	88.7	91.0	91.3	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500		72.8	67.1	80.7	87.4	89.0	91.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000		73.4	67.7	81.6	88.7	90.3	92.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500		73.	69.1	81.9	89.4	91.0	93.2	93.5	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000		73.4	69.4	82.6	90.3	91.9	94.2	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		73.9	69.4	82.6	90.3	91.9	94.2	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500		73.9	69.4	82.9	90.7	92.3	94.5	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		94.7	69.7	84.2	92.3	93.9	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		75.9	71.7	85.2	93.2	94.8	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		95.7	71.0	85.5	93.6	95.2	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		95.8	71.0	85.5	93.6	95.2	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		95.8	71.0	85.5	93.6	95.2	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		95.8	71.0	85.5	93.6	95.2	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		95.8	71.3	85.8	94.2	95.9	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		95.1	71.6	86.1	94.5	96.1	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.1	71.6	86.1	94.5	96.1	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.1	71.6	86.1	94.5	96.1	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.1	71.6	86.1	94.5	96.1	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.1	71.6	86.1	94.5	96.1	98.4	99.0	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		19.7	29.8	32.6	41.9	46.1	50.7	54.1	56.1	56.5	57.4	57.7	58.4	58.4	58.4	58.7
≥ 20000		32.5	37.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
≥ 18000		32.5	37.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
≥ 16000		32.8	37.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
≥ 14000		32.8	38.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
≥ 12000		33.2	38.8	39.0	49.4	55.5	62.7	66.5	66.5	67.1	68.1	68.4	69.0	69.0	69.0	69.4
≥ 10000		37.7	38.4	45.2	55.8	62.9	68.4	74.8	75.2	76.1	77.1	77.4	78.1	78.1	78.1	78.4
≥ 9000		37.7	38.6	45.2	55.8	62.9	68.4	74.8	75.2	76.1	77.1	77.4	78.1	78.1	78.1	78.4
≥ 8000		39.7	39.7	49.4	60.0	67.4	73.2	79.7	80.0	81.0	81.9	82.2	82.9	82.9	82.9	83.2
≥ 7000		40.3	40.7	50.3	61.6	69.0	74.8	81.3	81.6	82.6	83.6	83.9	84.5	84.5	84.5	84.8
≥ 6000		40.3	41.0	50.7	61.9	69.4	75.2	81.6	81.9	82.9	83.9	84.2	84.8	84.8	84.8	85.2
≥ 5000		40.3	41.9	51.6	62.9	70.3	76.1	82.6	82.9	83.9	84.8	85.2	85.8	85.8	85.8	86.1
≥ 4500		41.1	42.3	51.9	63.2	70.7	76.5	82.9	83.2	84.2	85.2	85.5	86.1	86.1	86.1	86.5
≥ 4000		41.2	42.6	52.9	64.2	71.6	77.4	83.9	84.2	85.2	86.1	86.5	87.1	87.1	87.1	87.4
≥ 3500		41.5	42.9	53.6	64.8	72.3	78.1	84.5	84.8	85.8	86.8	87.1	87.7	87.7	87.7	88.1
≥ 3000		42.3	43.2	54.8	66.1	73.9	79.7	86.1	86.5	87.4	88.4	88.7	89.4	89.4	89.4	89.7
≥ 2500		42.6	44.5	56.1	67.4	75.8	81.6	88.1	88.4	89.4	90.3	90.7	91.3	91.3	91.3	91.6
≥ 2000		42.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
≥ 1800		42.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
≥ 1500		42.6	44.8	56.8	68.4	77.1	82.9	89.7	90.0	91.3	92.4	92.9	93.6	93.6	93.6	93.9
≥ 1200		42.6	44.6	56.5	68.4	77.1	82.9	89.7	90.0	91.3	92.6	92.9	93.6	93.6	93.6	93.9
≥ 1000		42.6	45.2	58.1	71.3	79.3	86.3	91.6	91.9	93.2	94.5	94.8	95.5	95.5	95.5	95.8
≥ 900		42.9	45.5	58.7	71.9	79.7	85.5	92.3	92.6	93.9	95.2	95.5	96.1	96.1	96.1	96.5
≥ 800		43.2	45.8	59.0	72.3	80.3	86.1	92.9	93.2	94.5	95.8	96.1	96.8	96.8	96.8	97.1
≥ 700		43.2	45.8	59.0	72.3	80.3	86.1	92.9	93.2	94.5	95.8	96.1	96.8	96.8	96.8	97.1
≥ 600		43.5	46.5	59.7	73.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
≥ 500		43.5	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.1	97.4	97.7	98.7	98.7	98.7	99.
≥ 400		43.5	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.1	97.4	97.7	98.7	98.7	98.7	99.4
≥ 300		43.5	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.5	97.7	98.1	99.0	99.0	99.0	99.7
≥ 200		43.6	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.5	97.7	98.1	99.0	99.0	99.0	99.7
≥ 100		43.6	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.5	97.7	98.1	99.0	99.0	99.0	100.0
≥ 0		43.6	46.8	60.0	73.6	81.6	87.4	94.2	94.5	96.5	97.7	98.1	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 31[illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

4a

STATION [illegible] MEMPHIS, TN STATION NAME [illegible] YEARS Aug MONTH

HOURS (LST) [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000		[illegible]	85.9	[illegible]	86.5	89.4	[illegible]	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 18000		[illegible]	85.9	[illegible]	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 16000		[illegible]	85.9	[illegible]	86.5	89.4	[illegible]	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 14000		[illegible]	85.9	85.9	86.5	89.4	[illegible]	90.7	90.7	90.7	[illegible]	90.7	90.7	90.7	90.7	90.7
≥ 12000		[illegible]	85.7	85.7	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 10000		[illegible]	85.7	85.7	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 9000		[illegible]	85.7	85.7	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 8000		[illegible]	85.7	85.7	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000		[illegible]	85.7	85.7	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 5000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 300		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 100		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	100.0	100.0	100.0
≥ 0		[illegible]	85.9	85.9	86.5	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

AUG

HOURS (L S T)

12

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	45.8	51.[illegible]	51.9	61.9	62.3	[illegible]7.3	57.[illegible]	[illegible]7.3	57.3	62.3	62.3	62.3	57.[illegible]	[illegible]7.3
≥ 20000		46.5	53.9	59.7	61.[illegible]	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
AVA 18000		46.5	57.9	59.7	61.[illegible]	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.[illegible]
AVA 16000		46.5	57.9	59.7	61.[illegible]	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.[illegible]
AVA 14000		46.5	57.9	59.7	61.[illegible]	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.[illegible]
AVA 12000		46.[illegible]	59.2	60.[illegible]	61.[illegible]	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.[illegible]
AVA 10000		[illegible]5.7	56.8	62.6	64.2	[illegible]4.5	64.8	64.8	64.8	64.8	64.3	64.8	64.9	[illegible]4.8	64.8	64.8
AVA 9000		[illegible]4.[illegible]	57.1	62.9	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	[illegible]5.2
AVA 8000		[illegible]5.7	58.[illegible]	64.8	66.[illegible]	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
AVA 7000		61.[illegible]	59.[illegible]	65.2	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
AVA 6000		[illegible]1.[illegible]	57.[illegible]	65.2	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
AVA 5000		[illegible]1.5	57.4	65.5	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
AVA 4500		[illegible]1.6	58.7	65.8	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
AVA 4000		[illegible]3.2	61.6	67.7	70.[illegible]	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
AVA 3500		[illegible]5.2	64.2	71.3	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
AVA 3000		[illegible]1.5	71.6	77.7	80.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
AVA 2500		[illegible]4.5	75.8	84.5	87.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
AVA 2000		87.1	75.4	87.7	90.7	[illegible]1.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AVA 1800		[illegible]7.1	75.4	87.7	90.7	[illegible]1.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AVA 1500		[illegible]6.4	80.2	90.7	93.9	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AVA 1200		[illegible]4.4	80.7	91.0	95.2	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
AVA 1000		[illegible]4.4	81.5	91.9	96.5	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
AVA 900		[illegible]4.4	81.5	91.9	96.5	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
AVA 800		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 700		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 600		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 500		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 400		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 300		[illegible]3.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AVA 200		63.7	81.9	92.6	97.1	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
AVA 100		63.7	81.9	92.6	97.1	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
AVA 0		63.7	81.9	92.6	97.1	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	[illegible]	53.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000		[illegible]	[illegible]	66.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000		[illegible]	[illegible]	66.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000		[illegible]	[illegible]	66.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000		[illegible]	61.3	67.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		[illegible]	62.9	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		[illegible]	66.8	73.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000		[illegible]	67.1	73.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		[illegible]	[illegible]	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000		[illegible]	[illegible]	77.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000		[illegible]	[illegible]	77.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000		[illegible]	71.0	76.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500		[illegible]	71.0	76.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000		[illegible]	73.6	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500		[illegible]	[illegible]	85.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000		[illegible]	[illegible]	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500		[illegible]	[illegible]	92.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000		[illegible]	82.9	91.6	94.5	94.5	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		[illegible]	[illegible]	92.3	95.2	95.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		[illegible]	83.6	92.9	96.1	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		[illegible]	[illegible]	93.9	97.1	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		[illegible]	85.2	94.5	97.7	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		[illegible]	85.2	94.5	97.7	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		[illegible]	85.2	94.5	98.1	98.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.[illegible]	54.[illegible]	[illegible].4	61.[illegible]	[illegible].3	57.6	[illegible].6	62.[illegible]	63.5	63.6	63.6	64.[illegible]	63.[illegible]	63.[illegible]	[illegible]
≥ 20000		59.1	64.8	70.3	70.9	73.2	73.6	73.6	73.[illegible]	73.6	73.6	73.6	73.6	73.6	73.[illegible]	73.[illegible]
≥ 18000		59.1	64.8	71.3	72.9	73.2	73.6	73.[illegible]	73.[illegible]	73.[illegible]	73.6	73.6	73.6	73.6	73.[illegible]	73.[illegible]
≥ 16000		59.1	64.8	71.3	72.9	73.2	73.9	73.6	73.[illegible]	73.6	73.6	73.6	73.6	73.[illegible]	73.6	73.[illegible]
≥ 14000		[illegible].9	69.2	7[illegible].7	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.[illegible]
≥ 12000		[illegible].7	67.4	73.2	75.6	76.1	76.5	76.5	76.5	76.[illegible]	76.5	76.5	76.5	76.[illegible]	76.5	76.[illegible]
≥ 10000		[illegible].2	71.9	7[illegible].1	80.7	81.[illegible]	81.3	81.3	81.3	81.3	81.3	81.3	1.3	1.3	81.3	81.[illegible]
≥ 9000		63.[illegible]	72.6	78.7	81.3	[illegible].6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.7
≥ 8000		67.1	74.5	[illegible]3.6	86.5	86.8	87.1	[illegible].1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.[illegible]
≥ 7000		66.7	74.1	85.2	[illegible]8.1	[illegible]8.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000		[illegible]0.[illegible]	71.4	[illegible]5.5	88.8	[illegible]8.7	89.0	89.0	89.[illegible]	89.0	89.0	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]
≥ 5000		67.7	73.4	86.5	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.[illegible]	90.0	90.[illegible]
≥ 4500		69.7	79.7	86.8	89.7	[illegible]0.[illegible]	90.3	90.[illegible]	[illegible]0.7	90.3	90.3	90.3	90.[illegible]	90.3	90.3	9[illegible].3
≥ 4000		[illegible].[illegible]	8[illegible].[illegible]	[illegible]7.1	9[illegible].0	90.3	90.7	[illegible]0.7	[illegible]0.7	90.7	[illegible]0.7	90.7	[illegible].7	90.7	90.7	9[illegible].7
≥ 3500		[illegible]1.[illegible]	81.3	[illegible]8.7	91.[illegible]	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000		[illegible]2.[illegible]	83.[illegible]	91.[illegible]	94.5	[illegible]4.[illegible]	95.2	[illegible]5.2	[illegible]5.[illegible]	95.2	95.2	95.2	95.2	[illegible]5.2	95.2	[illegible]5.[illegible]
≥ 2500		[illegible]3.[illegible]	[illegible]4.[illegible]	91.9	95.[illegible]	[illegible]6.1	96.5	[illegible]6.9	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]	[illegible]6.[illegible]
≥ 2000		[illegible]3.[illegible]	[illegible]4.5	[illegible]7.9	96.[illegible]	[illegible]7.1	97.4	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7
≥ 1800		[illegible]3.[illegible]	[illegible]4.5	[illegible]2.9	[illegible]6.[illegible]	[illegible]7.1	[illegible]7.4	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7	[illegible]7.7
≥ 1500		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.[illegible]	[illegible]7.7	[illegible]8.1	[illegible]8.[illegible]	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 1200		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]8.1	[illegible]8.[illegible]	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 1000		[illegible]3.[illegible]	[illegible]6.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]8.1	[illegible]8.[illegible]	[illegible]8.7	[illegible]8.7	[illegible].7	[illegible]8.7	[illegible]8.7	[illegible]7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 900		[illegible]3.[illegible]	85.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]8.[illegible]	[illegible]8.4	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7	[illegible]8.7
≥ 800		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]8.4	[illegible]9.7	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]	[illegible]9.[illegible]
≥ 700		[illegible]3.[illegible]	85.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]8.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4	[illegible]9.4
≥ 600		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.4	[illegible]7.7	[illegible]8.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.4	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]9.7	[illegible]9.[illegible]
≥ 500		[illegible]3.[illegible]	85.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.7	[illegible]9.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.7	[illegible]9.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		[illegible]3.[illegible]	85.[illegible]	[illegible]3.[illegible]	[illegible]7.7	[illegible]9.3	[illegible]9.4	[illegible]9.7	[illegible]9.7	[illegible]0.[illegible]	100.0	[illegible].0	[illegible].0	100.0	100.0	[illegible].[illegible]
≥ 200		[illegible]3.[illegible]	85.[illegible]	93.6	[illegible]7.7	[illegible]9.[illegible]	[illegible]9.4	[illegible].7	[illegible]9.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		[illegible]3.[illegible]	[illegible]5.[illegible]	[illegible]3.6	[illegible]7.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.7	[illegible]9.7	[illegible]0.[illegible]	100.0	100.0	[illegible].0	100.0	100.0	[illegible].[illegible]
0		[illegible]3.[illegible]	85.[illegible]	93.6	[illegible]7.7	[illegible]9.[illegible]	[illegible]9.4	[illegible]9.7	[illegible]9.7	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]	[illegible]0.[illegible]

TOTAL NUMBER OF OBSERVATIONS _____ 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) 24

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	≥ 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 _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME MEMPHIS, TN YEARS 73-82 MONTH [illegible]

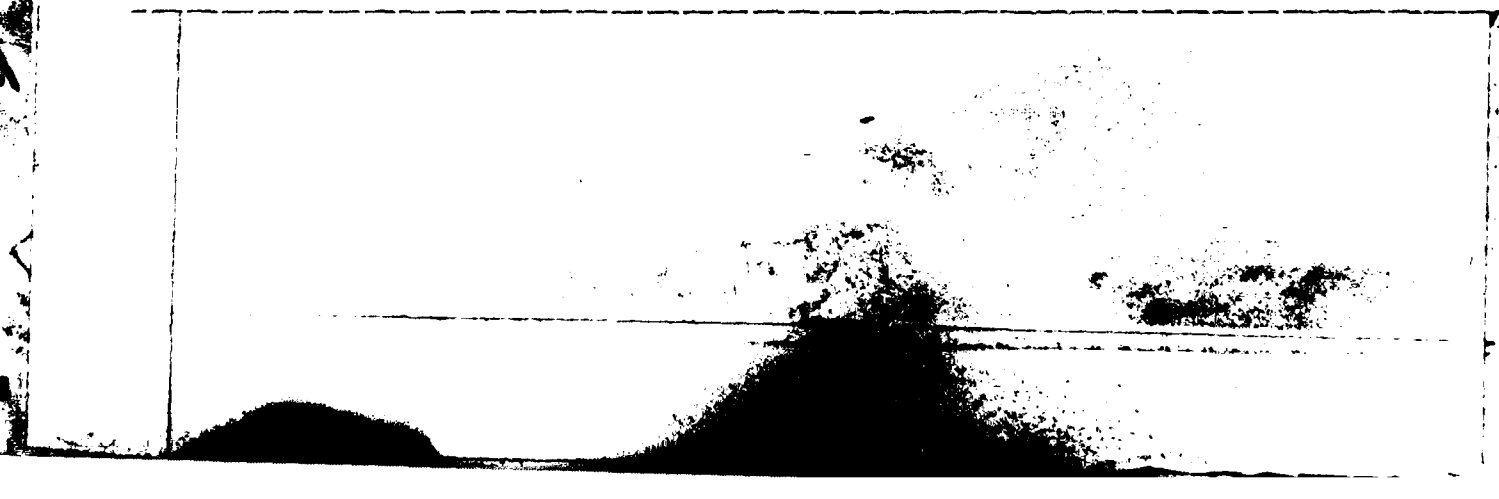
HOURS (LST) 17

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	.	79.7	47.3	46.0	46.0	46.3	46.3	46.3	46.7	46.3	46.7	46.3	46.3	46.3	46.3	46.3
≥ 20000	.	44.	47.3	51.7	52.0	52.3	52.3	52.3	52.7	52.3	52.7	52.3	52.3	52.3	52.3	52.3
≥ 18000	.	44.	47.3	51.7	52.	52.3	52.3	52.3	52.7	52.7	52.7	52.3	52.3	52.3	52.3	52.3
≥ 16000	.	44.3	47.7	51.0	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	.	44.3	47.7	51.3	52.7	53.	53.3	53.3	53.3	53.7	53.7	53.7	53.0	53.0	53.0	53.3
≥ 12000	.3	45.7	48.3	52.7	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	.	47.7	51.3	54.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.7
≥ 9000	.	49.7	53.7	57.0	58.7	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	.	52.3	56.7	60.7	62.3	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	.	52.3	56.7	61.0	62.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	.	53.0	57.3	61.7	63.3	64.0	64.3	64.3	64.7	64.3	64.3	64.3	64.3	64.3	64.3	64.7
≥ 5000	.	53.7	58.0	62.7	64.7	65.7	66.0	66.0	66.3	66.0	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4500	.	54.0	58.3	63.0	65.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7
≥ 4000	.3	55.0	59.7	64.3	66.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	.	56.3	61.3	66.0	68.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.7
≥ 3000	.	61.7	68.0	73.3	76.3	77.3	78.0	78.0	78.7	78.3	78.3	78.3	78.3	78.3	78.3	78.
≥ 2500	.	64.3	70.7	76.7	80.0	81.0	82.3	82.3	82.7	82.3	82.3	82.3	82.3	82.3	82.3	82.
≥ 2000	.	66.7	70.0	82.3	85.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	.	69.7	76.3	82.3	85.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	.	71.7	78.3	84.3	87.7	88.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.
≥ 1200	.	73.3	79.7	86.3	89.7	91.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	.	74.7	80.7	87.3	91.3	92.3	93.7	94.0	94.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	.	75.3	82.0	88.7	92.3	94.1	95.7	96.0	96.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.	75.3	82.0	88.7	92.7	94.3	96.0	96.3	96.3	96.3	97.3	97.3	97.0	97.0	97.0	97.0
≥ 700	.	75.3	82.0	89.0	93.3	95.0	96.7	97.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	.	75.3	82.0	89.3	94.0	95.7	97.3	98.0	98.3	98.0	99.0	99.0	99.0	99.0	99.0	99.
≥ 500	.	75.3	82.0	89.3	94.3	96.3	97.7	98.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	.	75.3	82.0	89.7	94.7	96.7	98.3	99.0	99.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.	75.3	82.0	89.7	94.7	96.7	98.3	99.0	99.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.3	75.3	82.0	89.7	94.7	96.7	98.3	99.0	99.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.	75.3	82.0	89.7	94.7	96.7	98.3	99.0	99.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.	75.3	82.0	89.7	94.7	96.7	98.3	99.0	99.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]30

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
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≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
= 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	57.7	61.3	64.0	64.3	65.3	65.3	65.7	65.3	65.3	65.3	65.3	65.3	65.7	65.7
≥ 20000		65.7	69.0	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000		65.7	64.0	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000		65.7	64.0	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000		65.7	64.0	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000		66.3	65.0	72.0	72.7	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000		68.3	69.0	76.0	77.7	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000		68.3	69.0	76.3	78.0	78.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000		82.3	71.7	79.3	81.7	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000		83.7	72.3	80.0	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000		84.3	73.7	81.3	83.7	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000		85.3	75.3	82.7	85.0	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500		86.3	75.7	83.3	85.7	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000		87.3	77.0	84.7	87.3	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500		87.7	77.7	85.3	88.0	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000		88.3	79.3	87.0	90.0	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500		89.7	79.7	87.7	90.7	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000		90.3	80.3	88.7	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800		90.7	81.0	89.7	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500		90.7	81.3	89.7	93.3	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		91.0	82.7	90.3	93.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		91.3	83.7	91.3	95.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		91.3	83.7	91.3	95.0	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		91.3	83.7	91.3	95.0	96.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		92.3	83.7	92.3	96.0	97.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		92.3	84.0	92.7	96.3	97.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		92.3	84.0	92.7	96.3	97.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		92.3	84.0	93.3	96.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		92.3	84.0	93.0	97.0	98.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		92.3	84.0	93.0	97.0	98.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		92.3	84.0	93.0	97.0	98.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		92.3	84.0	93.0	97.0	98.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible], TN | 73-[illegible] | SEP
STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	9.1	44.0	47.6	51.9	52.6	53.7	54.6	54.7	55.2	55.5	55.5	55.7	55.7	55.8	55.9
≥ 20000	.1	48.4	51.4	54.5	59.1	59.8	61.0	61.9	61.9	62.8	62.9	62.9	63.1	63.2	63.2	63.4
≥ 18000	.1	48.4	51.4	54.5	59.1	59.8	61.0	61.9	61.9	62.8	62.9	62.9	63.1	63.2	63.2	63.4
≥ 16000	.1	48.4	51.4	54.5	59.1	59.9	61.1	61.9	62.0	62.9	62.9	62.9	63.1	63.2	63.2	63.4
≥ 14000	.1	48.5	51.6	54.7	59.3	60.0	61.2	62.1	62.2	62.7	63.1	63.1	63.3	63.4	63.4	63.6
≥ 12000	.1	48.4	52.7	57.9	64.5	65.3	66.6	67.5	67.5	68.1	68.4	68.4	68.7	68.7	68.8	68.9
≥ 10000	.1	49.6	57.6	65.2	66.2	67.2	68.7	69.6	69.7	70.2	70.6	70.6	70.8	70.9	70.9	71.1
≥ 9000	.1	49.9	58.0	65.7	66.8	67.7	69.2	70.2	70.2	70.6	71.2	71.2	71.4	71.5	71.5	71.7
≥ 8000	.1	53.0	61.6	67.8	71.1	72.2	73.7	74.7	74.9	75.3	75.7	75.7	75.9	76.0	76.1	76.2
≥ 7000	.1	53.2	62.2	68.4	71.8	73.0	74.6	75.6	75.6	76.2	76.6	76.6	76.8	76.9	77.0	77.1
≥ 6000	.1	54.0	62.7	69.0	72.4	73.5	75.2	76.2	76.2	76.8	77.2	77.2	77.4	77.5	77.6	77.7
≥ 5000	.2	54.7	63.5	70.0	73.5	74.7	76.4	77.4	77.4	78.1	78.5	78.5	78.7	78.8	78.9	79.0
≥ 4500	.1	58.7	63.7	70.2	73.8	75.0	76.6	77.6	77.7	78.3	78.7	78.7	78.9	79.1	79.2	79.3
≥ 4000	.1	55.1	64.9	71.4	75.2	76.5	78.1	79.1	79.1	79.8	80.2	80.2	80.5	80.6	80.7	80.9
≥ 3500	.1	59.4	65.6	72.3	76.2	77.5	79.1	80.1	80.2	80.8	81.3	81.3	81.6	81.7	81.8	82.0
≥ 3000	.1	59.5	66.1	75.2	79.4	80.9	82.6	83.7	83.7	84.4	84.8	84.8	85.1	85.2	85.3	85.5
≥ 2500	.1	59.6	69.4	76.9	81.2	82.8	84.7	85.8	85.9	86.5	87.0	87.0	87.3	87.4	87.5	87.7
≥ 2000	.1	61.3	71.1	78.9	83.5	85.2	87.2	88.4	88.5	89.1	89.6	89.6	89.9	90.0	90.1	90.3
≥ 1800	.1	61.1	71.2	79.3	83.7	85.3	87.3	88.5	88.6	89.3	89.8	89.8	90.0	90.1	90.3	90.4
≥ 1500	.1	61.6	72.0	80.0	84.7	86.4	88.5	89.7	89.8	90.5	91.0	91.0	91.3	91.3	91.5	91.6
≥ 1200	.1	62.7	73.1	81.2	86.0	87.7	89.9	91.1	91.2	91.9	92.4	92.4	92.7	92.8	92.9	93.1
≥ 1000	.1	63.4	74.0	82.2	87.2	89.1	91.4	92.7	92.8	93.5	94.2	94.2	94.5	94.6	94.8	94.9
≥ 900	.2	63.7	74.5	82.8	88.0	90.3	92.3	93.7	93.9	94.5	95.2	95.2	95.5	95.6	95.8	95.9
≥ 800	.1	64.0	74.8	83.3	88.5	90.5	93.0	94.5	94.6	95.4	96.1	96.1	96.4	96.5	96.6	96.8
≥ 700	.1	64.3	75.1	83.6	88.9	91.0	93.5	95.1	95.2	96.0	96.7	96.7	97.0	97.1	97.2	97.4
≥ 600	.1	64.4	75.3	83.9	89.4	91.5	94.1	95.8	95.8	96.7	97.4	97.4	97.8	97.8	98.0	98.2
≥ 500	.1	64.4	75.4	84.0	89.6	91.7	94.4	96.2	96.1	97.0	97.8	97.8	98.2	98.3	98.4	98.6
≥ 400	.1	64.4	75.4	84.1	89.8	91.9	94.7	96.4	96.5	97.4	98.3	98.3	98.6	98.7	98.8	99.0
≥ 300	.1	64.4	75.4	84.1	89.8	92.0	94.8	96.6	96.7	97.6	98.6	98.6	99.0	99.1	99.3	99.5
≥ 200	.1	64.4	75.4	84.1	89.9	92.0	94.9	96.7	96.8	97.9	99.0	98.8	99.3	99.3	99.5	99.6
≥ 100	.1	64.4	75.4	84.1	89.8	92.0	94.9	96.7	96.8	97.9	99.0	98.8	99.3	99.4	99.5	99.8
0	.1	64.4	75.4	84.1	89.8	92.0	94.9	96.7	96.8	97.9	99.0	98.8	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 21[illegible]6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¼	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		63.1	65.1	67.7	69.1	70.1	71.7	72.7	73.7	73.7	74.0	74.3	74.5	74.5	74.6	75.7
≥ 20000		69.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.6	75.2
≥ 18000		69.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.6	75.2
≥ 16000		69.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.6	75.2
≥ 14000		69.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.6	75.2
≥ 12000		70.3	72.9	74.8	75.2	75.2	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.3	76.8
≥ 10000		72.8	75.5	77.4	77.7	77.7	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	79.	79.4
≥ 9000		73.2	76.1	78.1	78.4	78.4	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.7	80.2
≥ 8000		76.3	79.7	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	83.2	83.9
≥ 7000		76.8	80.0	81.9	82.3	82.3	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.6	84.2
≥ 6000		77.7	81.3	82.9	83.2	83.2	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.5	84.6
≥ 5000		78.1	81.3	83.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.5	86.8
≥ 4500		78.7	81.9	84.8	85.2	85.2	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.5	86.8
≥ 4000		80.7	83.9	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.7	89.1
≥ 3500		81.9	85.5	88.7	89.0	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.3	91.1
≥ 3000		82.5	86.1	89.4	90.3	90.3	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.4	92.1
≥ 2500		83.9	87.4	90.7	91.3	91.3	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.6	93.4
≥ 2000		85.6	89.7	91.9	92.6	92.6	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.2	94.5
≥ 1800		86.3	90.1	92.3	93.1	93.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.8	95.6
≥ 1500		86.2	90.4	92.6	93.9	93.9	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.5	96.3
≥ 1200		86.8	91.4	93.6	95.2	95.2	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.8	97.1
≥ 1000		87.4	91.7	94.5	96.1	96.1	97.1	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.7	98.1
≥ 900		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
≥ 800		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
≥ 700		86.1	90.7	94.8	96.8	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.7	99.1
≥ 600		86.1	90.7	94.8	96.8	97.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.7	99.1
≥ 500		86.5	91.0	95.2	97.1	97.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.1	99.4
≥ 400		86.5	91.0	95.2	97.1	97.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.1	99.4
≥ 300		86.5	91.0	95.2	97.7	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
≥ 200		86.5	91.0	95.2	97.7	98.1	99.1	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
≥ 100		86.5	91.0	95.2	97.7	98.1	99.1	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
0		86.5	91.0	95.2	97.7	98.1	99.1	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 73-77 (YEARS) OCT (MONTH)

[illegible] (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]	61.6	64.3	66.8	[illegible]	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.7	67.7
≥ 20000		[illegible]	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
≥ 18000		[illegible]	64.9	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
≥ 16000		[illegible]	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
≥ 14000		[illegible]	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
≥ 12000		[illegible]	64.2	67.4	70.1	70.1	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	71.0	71.0
≥ 10000		[illegible]	71.5	75.2	77.4	77.4	77.7	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.4	78.4
≥ 9000		[illegible]	71.5	75.2	77.7	77.7	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.7	78.7
≥ 8000		[illegible]	74.8	78.7	81.3	81.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	82.3	82.3
≥ 7000		[illegible]	74.8	78.7	81.3	81.6	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.6	82.6
≥ 6000		[illegible]	75.1	79.0	81.7	82.0	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6	83.0	83.0
≥ 5000		[illegible]	76.5	80.3	82.9	83.2	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	84.2	84.2
≥ 4500		[illegible]	77.4	81.3	83.9	84.2	84.6	84.6	84.6	84.6	84.9	84.9	84.9	84.9	85.2	85.2
≥ 4000		[illegible]	77.4	81.3	84.5	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.8	85.8
≥ 3500		[illegible]	81.3	85.5	87.1	87.1	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	88.1	88.1
≥ 3000		[illegible]	81.3	85.5	89.1	89.1	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	90.0	90.0
≥ 2500		[illegible]	82.6	87.1	91.0	91.0	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.9	91.9
≥ 2000		[illegible]	82.9	87.7	91.6	91.6	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.6	92.6
≥ 1800		[illegible]	83.6	88.2	92.6	92.6	92.9	92.9	93.0	93.0	93.2	93.2	93.2	93.2	93.6	93.6
≥ 1500		[illegible]	84.2	88.8	93.2	93.2	93.6	93.6	93.9	93.9	94.2	94.2	94.2	94.2	94.5	94.5
≥ 1200		[illegible]	84.9	89.8	94.2	94.2	94.6	94.9	95.0	95.0	95.2	95.2	95.2	95.2	95.5	95.5
≥ 1000		[illegible]	85.8	91.0	95.2	95.2	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.8	96.8
≥ 900		[illegible]	85.8	91.6	95.8	95.8	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.4	97.4
≥ 800		[illegible]	86.5	91.6	95.8	95.8	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.7	97.7
≥ 700		[illegible]	86.8	91.9	96.1	96.1	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.1
≥ 600		[illegible]	86.9	91.9	96.1	96.1	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.1
≥ 500		[illegible]	87.1	92.3	96.4	96.9	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.7	98.7
≥ 400		[illegible]	87.1	92.6	97.1	97.1	99.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0	99.0
≥ 300		[illegible]	87.1	92.6	97.1	97.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.4	99.4
≥ 200		[illegible]	87.1	92.6	97.1	97.1	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.7	99.7
≥ 100		[illegible]	87.1	92.6	97.1	97.1	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	100.0	100.0
0		[illegible]	87.1	92.6	97.1	97.1	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (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		75.1	41.4	52.1	57.0	57.3	59.9	60.2	62.9	61.2	61.5	61.5	62.1	62.1	62.5	62.1
≥ 20000		76.5	46.2	55.3	59.9	60.5	62.8	63.1	63.5	64.1	64.4	64.4	65.1	65.1	65.4	65.2
≥ 18000		79.9	49.0	58.0	59.9	60.5	62.8	63.1	63.5	64.1	64.4	64.4	65.1	65.1	65.4	66.0
≥ 16000		79.5	49.0	58.0	59.9	61.5	62.8	63.1	63.8	64.1	64.4	64.4	65.1	65.1	65.4	66.0
≥ 14000		79.5	49.0	59.0	59.9	61.5	62.8	63.1	63.8	64.1	64.4	64.4	65.1	65.1	65.8	66.0
≥ 12000		80.1	49.9	59.0	61.5	62.5	64.7	65.1	65.7	66.0	66.3	66.3	67.0	67.0	67.3	68.0
≥ 10000		82.7	51.1	61.8	66.0	66.7	68.9	69.3	69.9	70.2	70.6	70.6	71.2	71.2	71.5	72.2
≥ 9000		83.0	51.5	61.2	66.3	67.0	69.3	69.6	70.2	70.6	70.9	70.9	71.5	71.5	71.8	72.5
≥ 8000		82.7	53.1	63.1	68.3	69.3	71.8	72.2	72.8	73.1	73.5	73.5	74.1	74.1	74.4	75.1
≥ 7000		85.3	55.0	65.1	70.2	71.2	73.8	74.1	74.8	75.1	75.4	75.4	76.1	76.1	76.4	77.1
≥ 6000		85.3	55.0	65.1	70.2	71.2	73.8	74.1	74.8	75.1	75.4	75.4	76.1	76.2	76.4	77.1
≥ 5000		86.3	56.3	66.3	71.5	72.5	75.1	75.4	76.1	76.4	76.7	76.7	77.4	77.4	77.7	78.4
≥ 4500		86.6	56.6	66.7	71.8	72.8	75.4	75.7	76.4	76.7	77.0	77.0	77.7	77.7	78.0	78.7
≥ 4000		87.3	58.3	68.6	73.9	75.1	77.7	78.0	78.6	79.0	79.3	79.3	79.9	79.9	80.2	81.0
≥ 3500		84.5	58.9	69.2	74.3	76.1	78.6	79.3	79.6	79.9	80.3	80.3	81.0	80.9	81.2	81.9
≥ 3000		85.1	61.5	72.5	78.6	79.9	82.5	82.9	83.5	83.8	84.1	84.1	84.8	84.8	85.1	85.8
≥ 2500		86.1	62.5	73.5	79.6	81.2	83.8	84.1	84.7	85.1	85.4	85.4	86.4	86.4	86.7	87.4
≥ 2000		87.0	64.1	75.4	81.9	84.1	86.7	87.1	87.7	88.0	88.4	88.4	89.3	89.3	89.6	90.3
≥ 1800		88.7	65.1	76.4	82.9	85.1	87.7	88.0	88.7	89.0	89.3	89.3	90.0	90.0	90.3	91.0
≥ 1500		89.0	66.7	78.0	84.5	86.7	89.3	89.6	90.3	90.6	91.0	91.0	91.6	91.6	91.9	92.6
≥ 1200		89.3	67.3	78.6	85.1	87.4	90.0	90.3	91.0	91.3	91.6	91.6	92.3	92.3	92.6	93.3
≥ 1000		90.3	68.3	79.6	86.1	88.4	91.3	91.6	92.3	92.6	93.0	93.0	93.6	93.6	94.2	94.9
≥ 900		90.7	68.9	80.3	86.7	89.3	92.2	92.6	93.3	93.6	94.2	94.2	95.2	95.2	95.5	96.1
≥ 800		90.8	69.3	80.6	87.1	89.3	92.6	92.9	93.6	94.2	94.8	94.8	95.8	95.8	96.1	96.8
≥ 700		90.8	69.6	80.9	87.4	89.6	92.9	93.2	93.9	94.5	95.2	95.2	96.1	96.1	96.4	97.1
≥ 600		90.8	69.6	80.9	87.4	89.6	92.9	93.2	94.2	94.8	95.8	95.8	96.8	96.8	97.1	97.8
≥ 500		90.8	69.8	80.9	87.4	89.6	93.2	93.9	94.8	95.2	96.1	96.1	96.8	96.8	97.1	97.8
≥ 400		90.8	70.2	81.6	88.0	90.3	93.9	94.3	95.8	96.1	97.1	97.1	97.7	97.7	98.1	98.8
≥ 300		90.8	70.2	81.6	88.0	90.6	94.2	95.5	96.1	97.1	98.1	98.1	98.7	98.7	99.0	99.7
≥ 200		91.4	70.2	81.6	88.0	90.6	94.2	95.5	96.1	97.1	98.1	98.1	98.7	98.7	99.0	99.7
≥ 100		90.8	70.2	81.6	88.0	90.6	94.2	95.5	96.1	97.1	98.1	98.1	98.7	98.7	99.0	99.7
≥ 0		90.8	70.2	81.6	88.0	90.6	94.2	95.5	96.1	97.1	98.1	98.1	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 219

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
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≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

HOURS (L S T) 1[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	63.2	63.2	63.2	[illegible]	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	[illegible]
≥ 20000		[illegible]	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000		[illegible]	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		[illegible]	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		[illegible]	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000		[illegible]	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		[illegible]	76.8	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000		[illegible]	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000		[illegible]	81.6	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 7000		[illegible]	81.6	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000		[illegible]	81.6	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 5000		[illegible]	82.6	[illegible]	[illegible]	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500		[illegible]	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	[illegible]
≥ 4000		[illegible]	84.9	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		[illegible]	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		[illegible]	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500		[illegible]	88.7	90.3	90.7	91.6	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000		[illegible]	91.9	92.6	93.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800		[illegible]	91.9	93.2	93.9	94.8	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500		[illegible]	92.9	94.5	95.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		[illegible]	93.2	94.5	95.8	96.8	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		[illegible]	93.6	95.5	96.8	97.7	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	[illegible]
≥ 900		[illegible]	93.6	95.5	96.8	97.7	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800		[illegible]	93.9	95.8	97.1	98.1	98.1	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	[illegible]
≥ 700		[illegible]	93.9	95.8	97.1	98.1	98.1	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	[illegible]
≥ 600		[illegible]	93.9	95.8	97.1	98.1	98.1	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 0		[illegible]	93.9	96.1	97.4	98.4	98.4	98.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	MEMPHIS, TN	72-[illegible]	OCT

HOURS (LST) 1

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]	66.8	67.4	67.4	67.7	68.1	[illegible]	[illegible]	68.1	67.1	67.1	67.1	68.1	[illegible]	[illegible]
≥ 20000		[illegible]	72.6	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000		[illegible]	72.7	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000		72.6	72.9	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000		72.6	72.9	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000		72.6	73.2	73.4	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 10000		73.2	73.1	73.7	73.7	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000		75.3	75.4	79.0	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000		79.4	83.2	84.5	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000		79.7	83.5	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		[illegible]	83.9	85.2	85.2	85.6	85.8	85.8	85.8	[illegible]	85.4	85.8	85.8	85.8	85.8	[illegible]
≥ 5000		[illegible]	84.5	85.8	85.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500		1.4	85.9	86.6	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	[illegible]
≥ 4000		[illegible]	87.1	[illegible]	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	[illegible]
≥ 3500		3.4	88.7	90.7	91.3	[illegible]	91.7	[illegible]	91.7	91.7	91.7	91.7	91.7	91.7	91.7	[illegible]
≥ 3000		4.1	90.2	91.3	91.7	[illegible]	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		[illegible]	90.7	91.9	92.3	[illegible]	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	[illegible]
≥ 2000		[illegible]	91.3	92.9	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		5.6	91.4	93.2	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500		7.1	92.2	94.8	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		7.8	93.3	95.2	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000		96.1	94.2	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		98.1	94.2	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		8.1	99.2	99.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	[illegible]
≥ 700		98.1	94.5	97.1	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	[illegible]
≥ 600		98.1	94.5	97.1	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		98.4	94.8	97.4	98.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	[illegible]
≥ 400		8.4	94.8	97.7	98.4	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		98.4	94.8	97.7	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		98.4	94.8	97.7	98.4	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		98.4	94.8	97.7	98.4	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
0		98.4	94.8	97.7	98.4	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) ALL

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] | STATION NAME MEMPHIS, TN | YEARS 73-[illegible] | MONTH NOV | HOURS (L S T) 12

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		1.[illegible]	53.3	54.0	54.3	[illegible]	54.3	[illegible]	55.7	56.3	56.7	56.3	56.3	55.3	55.3	[illegible]
≥ 20000		[illegible]	56.3	56.7	57.3	[illegible]	57.0	57.7	57.7	58.0	[illegible]	[illegible]	[illegible]	[illegible]	56.3	58.3
≥ 18000		[illegible]	56.7	56.7	57.7	[illegible]	57.0	57.7	57.7	58.3	58.0	58.0	[illegible]	58.0	58.3	[illegible]
≥ 16000		[illegible]	56.0	56.7	57.3	[illegible]	57.3	57.7	57.7	58.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000		[illegible]	56.7	57.3	57.7	[illegible]	57.7	58.3	58.3	58.7	58.7	58.7	58.7	58.7	59.0	[illegible]
≥ 12000		[illegible]	57.0	57.7	58.3	[illegible]	58.0	58.7	58.7	59.0	[illegible]	[illegible]	[illegible]	[illegible]	59.3	[illegible]
≥ 10000		[illegible]	59.3	60.0	60.3	[illegible]	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.7	61.7
≥ 9000		[illegible]	59.3	60.0	60.3	[illegible]	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.7	61.7
≥ 8000		[illegible]	64.3	65.3	65.7	[illegible]	65.7	66.3	66.3	66.7	66.7	66.7	66.7	66.7	67.[illegible]	67.[illegible]
≥ 7000		[illegible]	65.3	66.0	66.7	[illegible]	66.7	67.3	67.3	67.7	67.7	67.7	67.7	67.7	68.[illegible]	68.[illegible]
≥ 6000		[illegible]	68.3	69.0	69.7	[illegible]	70.0	70.7	70.7	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]	71.3	71.7
≥ 5000		[illegible]	68.7	69.3	70.0	[illegible]	70.0	70.7	70.7	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]	71.3	71.7
≥ 4500		[illegible]	69.0	69.7	70.3	[illegible]	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.7	71.7
≥ 4000		[illegible]	71.0	71.7	72.3	[illegible]	72.3	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.7	73.7
≥ 3500		[illegible]	73.3	74.3	75.0	[illegible]	75.0	75.7	75.7	76.0	76.0	76.0	76.0	76.3	76.3	[illegible]
≥ 3000		[illegible]	73.3	74.3	75.0	[illegible]	75.0	75.7	75.7	76.0	76.0	76.0	76.0	76.3	76.3	[illegible]
≥ 2500		[illegible]	77.7	79.0	80.0	[illegible]	80.3	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.7	81.7
≥ 2000		[illegible]	79.3	80.7	82.0	[illegible]	82.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	84.0	84.0
≥ 1800		[illegible]	79.7	81.3	82.3	[illegible]	83.0	83.7	83.7	84.[illegible]	84.0	84.0	84.0	84.0	84.3	84.3
≥ 1500		[illegible]	82.7	84.3	85.7	[illegible]	86.3	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.7	87.7
≥ 1200		[illegible]	83.7	86.0	88.0	[illegible]	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0
≥ 1000		[illegible]	85.0	[illegible]	89.7	[illegible]	90.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 900		[illegible]	85.7	88.3	90.7	[illegible]	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.7	92.7
≥ 800		[illegible]	86.3	89.0	91.7	[illegible]	92.3	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 700		[illegible]	86.3	89.7	92.3	[illegible]	93.7	94.3	94.3	94.7	94.7	94.7	94.7	94.7	95.0	95.[illegible]
≥ 600		[illegible]	87.3	90.7	93.3	[illegible]	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.3	96.3
≥ 500		[illegible]	87.7	91.0	93.7	[illegible]	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.7	[illegible]
≥ 400		[illegible]	87.7	91.0	94.3	[illegible]	96.3	97.0	97.0	97.3	97.7	97.7	97.7	98.0	98.3	98.3
≥ 300		[illegible]	87.7	91.0	94.3	[illegible]	96.3	97.3	97.3	97.7	98.0	98.0	98.3	98.3	98.7	98.7
≥ 200		[illegible]	87.7	91.0	94.3	[illegible]	96.3	98.0	98.0	98.3	98.7	98.7	99.0	99.3	99.7	100.0
≥ 100		[illegible]	87.7	91.0	94.3	[illegible]	96.3	[illegible]	98.0	98.3	98.7	98.7	99.[illegible]	99.3	99.7	100.0
≥ 0		[illegible]	87.7	91.0	94.3	[illegible]	96.3	98.0	98.0	98.3	98.7	98.7	99.[illegible]	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | 73-92 YEARS | NOV MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.7	51.7	51.0	51.3
≥ 20000		52.7	52.7	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3	54.3
≥ 18000		52.3	52.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3	54.3
≥ 16000		52.3	52.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3	54.3
≥ 14000		52.3	52.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3	54.3
≥ 12000		53.3	54.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.3	56.3
≥ 10000		56.3	57.3	57.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.7	59.7	60.0	60.0
≥ 9000		58.3	58.0	58.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	60.3	60.3	60.7	60.7
≥ 8000		59.7	60.7	61.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	63.0	63.0	63.3	63.3
≥ 7000		59.7	61.3	61.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.7	63.7	64.0	64.0
≥ 6000		59.3	61.3	61.7	62.7	62.7	62.7	63.0	63.3	63.3	63.3	63.3	63.7	63.7	64.0	64.0
≥ 5000		58.0	62.7	63.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	65.0	65.0	65.3	65.3
≥ 4500		59.7	64.3	64.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.7	66.7	67.0	67.0
≥ 4000		61.0	66.0	66.3	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.7	68.7	69.0	69.0
≥ 3500		66.3	69.7	70.3	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.3	72.7	72.7	73.0	73.0
≥ 3000		68.7	72.0	72.7	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	75.3	75.3	75.7	75.7
≥ 2500		69.0	73.3	74.3	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	77.0	77.0	77.3	77.3
≥ 2000		71.3	76.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	81.0	81.0	81.3	81.3
≥ 1800		71.3	75.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	81.0	81.0	81.3	81.3
≥ 1500		72.3	76.0	78.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.7	82.7	83.0	83.0
≥ 1200		74.7	81.3	81.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.7	85.7
≥ 1000		76.3	82.0	83.3	85.7	86.0	86.3	87.0	87.0	87.0	87.0	87.0	87.7	87.7	88.0	88.0
≥ 900		77.0	83.0	84.3	87.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	89.0	89.0	89.3	89.3
≥ 800		77.3	83.3	86.3	89.7	89.7	90.7	91.3	91.3	91.7	91.7	91.7	92.3	92.3	92.7	92.7
≥ 700		78.0	84.0	87.3	89.7	90.7	91.7	92.3	92.7	92.7	92.7	92.7	93.3	93.3	93.7	93.7
≥ 600		78.3	84.3	87.0	91.7	93.0	94.0	94.7	94.7	95.0	95.0	95.3	95.7	95.7	96.0	96.0
≥ 500		78.3	84.7	86.3	92.0	93.3	94.7	95.7	95.7	96.0	96.0	96.0	96.7	96.7	97.0	97.0
≥ 400		78.7	84.7	86.3	92.3	93.7	95.3	96.3	96.3	96.7	96.7	96.7	97.3	97.3	97.7	97.7
≥ 300		78.3	84.7	88.3	92.7	94.0	95.7	96.7	96.7	97.0	97.0	97.0	97.7	97.7	98.0	98.0
≥ 200		78.3	84.7	88.3	92.7	94.0	95.7	96.7	96.7	97.0	97.0	97.0	98.0	98.0	98.3	98.3
≥ 100		78.3	84.7	88.3	92.7	94.0	95.7	96.7	96.7	97.3	97.3	97.3	98.3	98.3	98.7	98.7
0		78.3	84.7	88.3	92.7	94.0	95.7	96.7	96.7	97.3	97.3	97.3	98.3	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME MEMPHIS, TN YEARS 73-77 MONTH NOV HOURS (L S T) 24

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅜	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.7	46.3	47.7	47.7	48.3	49.0	49.0	49.0	49.0	49.0	49.3	49.3	49.7		
≥ 20000		47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.3	52.3	53.0		
≥ 18000		47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.3	52.3	53.0		
≥ 16000		47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.3	52.3	53.0		
≥ 14000		47.7	49.0	50.7	50.7	51.7	52.3	52.3	52.3	52.3	52.3	52.7	52.7	53.3		
≥ 12000		48.0	49.3	51.0	51.0	51.7	52.3	52.3	52.3	52.3	52.3	52.7	52.7	53.3		
≥ 10000		52.0	53.3	55.0	55.0	55.7	56.3	56.3	56.3	56.3	56.3	56.7	56.7	57.3		
≥ 9000		52.0	53.3	55.0	55.0	55.7	56.3	56.3	56.3	56.3	56.3	56.7	56.7	57.3		
≥ 8000		54.7	56.0	57.7	57.7	58.3	59.0	59.0	59.0	59.0	59.0	59.3	59.3	60.0		
≥ 7000		55.3	56.7	58.3	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.3	60.3	61.0		
≥ 6000		55.3	56.7	58.3	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.3	60.3	61.0		
≥ 5000		55.7	56.3	60.3	60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.3	62.3	63.0		
≥ 4500		57.7	59.3	61.3	61.7	62.3	63.0	63.0	63.0	63.0	63.0	63.3	63.3	64.0		
≥ 4000		61.7	63.3	65.3	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.3	67.3	68.0		
≥ 3500		64.0	66.0	68.0	68.3	69.0	69.7	69.7	69.7	69.7	69.7	70.0	70.0	71.0		
≥ 3000		66.7	68.7	71.0	71.3	72.0	72.7	72.7	72.7	72.7	72.7	73.0	73.0	74.0		
≥ 2500		69.0	71.0	73.3	73.0	73.7	74.3	74.3	74.3	74.3	74.3	74.7	74.7	75.3	75.7	
≥ 2000		72.3	74.3	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.7	80.3	
≥ 1800		72.7	74.7	77.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.3	79.3	80.0	80.7	
≥ 1500		74.3	76.7	79.3	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.7	81.7	82.3	83.0	
≥ 1200		77.3	79.7	83.3	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.7	85.7	86.3	87.0	
≥ 1000		78.0	80.7	84.3	85.0	86.0	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.7	88.3	
≥ 900		79.7	81.7	85.7	86.3	87.3	88.0	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.7	
≥ 800		79.7	81.7	85.7	86.3	87.3	88.0	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.7	
≥ 700		79.7	81.7	85.7	86.3	87.3	88.0	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.7	
≥ 600		79.7	81.7	85.7	86.3	87.3	88.0	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.7	
≥ 500		80.7	83.3	87.3	88.0	89.0	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.7	91.3	
≥ 400		81.7	84.3	88.3	89.0	90.0	90.7	90.7	90.7	90.7	90.7	91.0	91.0	91.7	92.3	
≥ 300		82.7	85.3	89.3	90.0	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.3	
≥ 200		82.7	85.3	89.3	90.0	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.3	
≥ 100		82.7	85.3	89.3	90.0	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.3	
0		82.7	85.3	89.3	90.0	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.7	93.3	

TOTAL NUMBER OF OBSERVATIONS _____ 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 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 330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] | [illegible], TN | 73-2 | NOV

STATION | STATION NAME | YEARS | 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	≥ 3/16	≥ ⅛	≥ 0
NO CEILING		47.7	48.7	49.3	49.7	49.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.3	47.3
≥ 20000		49.3	50.3	51.0	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000		49.3	50.3	51.0	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000		49.3	50.3	51.0	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000		49.3	50.3	51.0	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000		49.7	51.7	52.3	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000		52.7	54.7	55.3	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000		53.3	55.0	56.7	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000		56.7	59.3	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000		57.3	60.0	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000		57.3	60.3	61.0	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 5000		59.0	62.0	63.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4500		61.3	64.3	65.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000		61.3	64.3	65.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500		64.3	67.3	68.3	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000		64.3	67.3	68.3	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500	.3	65.7	68.7	71.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000	.3	69.0	73.0	75.3	77.3	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	.3	69.0	73.7	76.3	78.3	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1500	.3	72.0	77.0	80.0	82.0	82.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	.3	74.0	79.3	82.7	84.7	85.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	.3	74.7	80.0	83.7	86.0	86.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	.3	75.0	81.3	85.3	87.7	88.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	.3	75.3	81.3	86.0	88.7	89.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	.3	75.3	81.7	86.3	89.3	90.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	.3	75.3	82.0	86.7	89.7	91.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	.3	75.3	82.3	87.0	90.3	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.7	93.7	93.7
≥ 400	.3	79.3	82.3	87.3	90.7	92.0	95.3	96.3	96.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 300	.3	75.3	82.3	87.0	90.7	92.0	95.3	96.7	96.7	97.7	98.0	98.0	98.7	98.7	98.7	98.7
≥ 200	.3	75.3	82.3	87.0	90.7	92.0	95.3	96.7	96.7	97.7	98.3	98.3	99.7	99.7	99.7	99.7
≥ 100	.3	75.7	82.7	87.3	91.0	92.3	95.7	97.0	97.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0
≥ 0	.3	75.7	82.7	87.3	91.0	92.3	95.7	97.0	97.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME [illegible] YEARS NOV 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	≥ ¼	≥ 0
NO CEILING	[illegible]	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	[illegible]	52.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	[illegible]	52.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	[illegible]	52.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	[illegible]	52.3	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	[illegible]	53.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	[illegible]	57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	[illegible]	57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	[illegible]	60.7	62.7	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	[illegible]	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	[illegible]	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 5000	[illegible]	62.7	64.7	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4500	[illegible]	63.3	65.0	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	[illegible]	64.7	67.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	[illegible]	68.3	69.7	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	[illegible]	69.3	71.7	73.0	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	[illegible]	71.7	74.3	75.7	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	[illegible]	76.3	79.7	82.0	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1800	[illegible]	76.3	80.0	82.3	84.0	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	[illegible]	78.7	82.3	84.7	86.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	[illegible]	79.0	82.7	85.0	87.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	[illegible]	79.7	84.3	87.3	89.3	90.7	90.7	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	[illegible]	79.7	84.3	87.7	90.0	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	[illegible]	79.7	84.3	88.0	90.3	91.7	92.0	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	[illegible]	79.7	84.3	88.3	90.7	92.7	92.7	93.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	[illegible]	80.0	84.7	88.7	91.3	93.0	93.7	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	[illegible]	90.7	94.7	88.7	91.7	93.7	94.3	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	[illegible]	82.0	84.7	88.7	92.0	94.0	95.7	97.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	[illegible]	90.3	84.7	88.7	92.0	94.0	96.0	97.7	97.7	98.7	99.0	99.0	99.0	99.3	99.0	99.0
≥ 200	[illegible]	90.7	84.7	88.7	92.3	94.3	96.0	97.7	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0
≥ 100	[illegible]	90.0	94.7	88.7	92.3	94.3	96.0	97.7	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0
≥ 0	[illegible]	90.3	84.7	88.7	92.0	94.0	96.0	97.7	97.7	98.7	99.3	99.3	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 396

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
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≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS 303

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T) _____

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-77 MONTH DEC

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION | STATION NAME | YEARS | MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.	41.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 16000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000		47.4	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000		47.7	49.8	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000		50.4	51.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000		50.8	51.7	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000		55.4	55.2	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000		55.8	55.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000		56.7	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000		56.8	57.0	57.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500		59.4	60.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4000		60.0	60.3	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500		60.3	63.4	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000		63.0	65.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500		67.4	70.3	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000		71.0	74.2	75.8	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800		71.3	74.6	77.2	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500		75.1	78.3	81.9	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200		76.0	81.9	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000		77.4	82.9	86.1	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900		77.7	83.6	86.8	89.1	89.4	89.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800		78.4	84.2	88.1	90.8	91.1	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700		79.1	84.9	88.4	91.1	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600		79.1	85.0	89.1	92.1	93.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500		79.4	85.5	89.4	92.6	93.9	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400		79.4	85.8	89.7	93.2	94.5	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300		79.8	85.8	90.2	93.6	95.2	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200		79.8	85.8	90.2	93.6	95.2	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100		79.8	85.8	90.2	93.6	95.2	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0		79.8	85.8	90.2	93.6	95.2	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION [illegible] STATION NAME (MEMPHIS, TN) YEARS 73-[illegible] MONTH DEC

HOURS (L S T) 1[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 20000		[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]
≥ 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]	[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]
≥ 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		67.4	71.6	72.6	72.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2000		[illegible]	76.8	78.4	78.7	79.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		73.3	78.1	79.7	80.0	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500		76.7	81.6	83.9	84.2	84.5	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200		77.4	82.4	85.2	85.5	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000		79.4	83.3	86.7	89.0	89.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900		79.4	86.5	89.7	90.3	91.0	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		79.8	86.5	90.3	91.0	91.6	92.3	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700		79.7	86.4	91.0	91.6	92.3	93.2	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600		79.7	86.8	91.3	92.3	93.2	94.9	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500		80.1	87.1	91.6	92.6	93.6	95.2	95.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400		80.0	87.1	91.6	92.6	94.2	95.8	97.1	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300		80.0	87.1	91.6	92.6	94.2	95.8	97.7	97.7	98.4	99.0	99.0	99.4	99.4	99.4	99.4
≥ 200		80.1	87.1	91.6	92.6	94.2	95.8	97.7	97.7	98.4	99.0	99.0	99.7	99.7	99.7	99.7
≥ 100		80.1	87.1	91.6	92.6	94.2	95.8	97.7	97.7	98.4	99.0	99.0	99.7	99.7	100.0	100.0
0		80.1	87.1	91.6	92.6	94.2	95.8	97.7	97.7	98.4	99.0	99.0	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS 73-82 MONTH DEC

HOURS (L S T) 14

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.1	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000		49.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000		49.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000		49.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000		49.2	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000		50.3	53.1	53.7	53.7	53.7	53.7	53.7	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000		53.3	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 9000		54.7	57.4	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000		58.3	62.1	62.8	63.1	63.1	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000		58.3	63.1	64.1	64.4	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000		60.3	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000		61.7	64.7	65.4	65.7	65.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500		61.3	65.4	66.1	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000		65.1	69.6	69.3	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500		65.1	69.6	69.3	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3000		67.3	71.2	72.2	72.5	72.5	72.5	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500		69.9	73.5	74.8	74.8	74.8	75.1	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2000		72.9	76.6	78.9	80.3	80.6	80.9	81.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800		73.9	77.3	81.6	81.9	82.2	82.5	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500		75.4	82.9	84.6	85.1	85.4	85.8	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200		75.7	83.5	85.4	86.1	86.4	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		76.7	87.4	89.3	89.6	90.1	90.6	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900		76.7	85.4	89.6	90.1	90.5	90.9	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800		77.0	86.1	90.3	90.6	90.9	92.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700		77.3	86.4	90.6	91.3	91.6	92.9	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600		77.3	86.4	90.9	92.2	92.6	94.2	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500		77.3	86.4	91.3	92.9	93.2	95.5	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400		77.3	86.4	91.6	93.5	93.9	96.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300		77.3	86.4	91.6	93.5	93.9	96.4	97.4	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200		77.3	86.4	91.6	93.5	93.9	96.4	98.1	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4
≥ 100		77.3	86.4	91.6	93.5	93.9	96.4	98.1	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4
≥ 0		77.3	86.4	91.6	93.5	93.9	96.4	98.1	98.1	99.0	99.0	99.0	99.0	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 359

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

[illegible] (STATION) MEMPHIS, TN (STATION NAME) 72-12 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21 (HOURS (L & Z))

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]	51.8	51.8	1.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000		[illegible]	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000		[illegible]	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000		[illegible]	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000		[illegible]	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000		[illegible]	55.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000		[illegible]	58.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000		[illegible]	58.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000		[illegible]	62.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000		[illegible]	63.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 6000		[illegible]	64.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000		[illegible]	66.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4500		[illegible]	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.7
≥ 4000		[illegible]	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7
≥ 3500		[illegible]	70.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6
≥ 3000		[illegible]	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.6	75.6	75.6
≥ 2500		[illegible]	75.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.2	78.2	78.2
≥ 2000		[illegible]	79.2	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.1	82.1
≥ 1800		[illegible]	81.1	83.7	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.9	84.9	84.9
≥ 1500		[illegible]	83.4	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0
≥ 1200		[illegible]	84.4	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.0	88.0	88.0
≥ 1000		[illegible]	85.7	89.3	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2	90.2	90.2
≥ 900		[illegible]	85.7	89.3	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.6	90.6	90.6
≥ 800		[illegible]	85.7	89.3	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9
≥ 700		[illegible]	86.3	90.2	91.2	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2
≥ 600		[illegible]	87.0	91.2	92.5	92.8	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.8	93.8	93.8
≥ 500		[illegible]	87.3	91.5	93.2	93.5	94.5	94.8	94.8	95.1	95.1	95.1	95.1	95.8	95.8	95.8
≥ 400		[illegible]	87.6	92.3	94.5	94.8	96.7	97.1	97.1	97.4	97.4	97.4	97.4	98.1	98.1	98.1
≥ 300		[illegible]	88.0	92.6	95.4	95.8	97.7	98.1	98.1	99.0	99.0	99.0	99.0	99.7	99.7	99.7
≥ 200		[illegible]	88.0	92.8	95.4	95.8	97.7	98.1	98.1	99.0	99.0	99.0	99.0	100.0	100.0	100.0
≥ 100		[illegible]	88.0	92.8	95.4	95.8	97.7	98.1	98.1	99.3	99.3	99.0	100.0	100.0	100.0	100.0
0		[illegible]	88.0	92.8	95.4	95.8	97.7	98.1	98.1	99.3	99.3	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) ALL

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 2474

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	MEMPHIS, TN	73-92	ALL

HOURS (LST) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	[illegible]	[illegible]	50.0	51.3	52.1	52.5	52.7	52.7	52.8	52.9	52.9	[illegible]	[illegible]	53.0	[illegible]
≥ 20000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 18000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 16000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 14000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 12000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 10000	.1	[illegible]	61.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 9000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 8000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 7000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 6000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 5000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4500	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 4000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3500	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 3000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2500	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 2000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1800	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1500	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1200	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 1000	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 900	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 800	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 700	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 600	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 500	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 400	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 300	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 200	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
≥ 100	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

DIRNAVOCEANMET SMOS

SKY COVER

97839	MEMPHIS, TN	73-82	JAN
STATION	STATIC NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00	30.6			13.9						8.1	47.4	5.9	310
	03	30.6			12.9						10.3	46.1	5.9	310
	06	27.1			15.5						11.0	46.5	6.1	310
	09	15.2			21.0						17.1	46.8	6.8	310
	12	11.6			18.4						19.4	50.6	7.4	310
	15	11.6			19.7						20.3	48.4	7.3	310
	18	15.2			22.6						15.8	46.5	6.7	310
	21	29.4			14.2						11.9	44.5	6.0	310
TOTALS		21.4			17.3						14.2	47.1	6.5	2480

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SKY COVER

93839	MEMPHIS, TN	73-82	FEB
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00	31.2			17.4						11.7	39.7	5.5	282
	03	33.0			13.8						10.6	42.6	5.6	282
	06	22.7			19.1						11.7	46.5	6.3	282
	09	16.0			16.7						18.1	49.3	7.1	282
	12	15.2			16.3						20.9	47.5	7.1	282
	15	15.2			20.2						20.9	43.6	6.9	282
	18	14.2			22.0						21.3	42.6	6.8	282
	21	28.7			21.6						12.1	37.6	5.5	282
TOTALS		22.0			18.4						15.9	43.7	6.4	2256

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SKY COVER

93839	MEMPHIS, TN	73-82	MAR
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00	24.8			19.0						13.2	42.9	6.1	310
	03	27.1			12.9						17.4	42.6	6.2	310
	06	16.5			18.1						23.2	42.3	6.9	310
	09	14.5			15.8						22.6	47.1	7.2	310
	12	12.9			18.1						23.5	45.5	7.2	310
	15	9.4			23.5						24.8	42.3	7.2	310
	18	11.6			18.7						24.2	45.5	7.3	310
	21	20.3			23.2						13.5	42.9	6.2	310
TOTALS		17.1			18.7						20.3	43.9	6.8	2480

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SKY COVER

93839	MEMPHIS, TN	73-82	APR
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00	31.7			18.3						17.7	32.3	5.4	300
	03	29.3			22.7						13.3	34.7	5.3	300
	06	16.0			23.3						28.7	32.0	6.5	300
	09	17.0			23.0						23.3	36.7	6.5	300
	12	15.0			22.3						26.3	36.3	6.7	300
	15	11.7			24.3						30.3	33.7	6.8	300
	18	13.7			27.3						26.3	32.7	6.5	300
	21	24.3			23.0						20.7	32.0	5.8	300
TOTALS		19.8			23.0						23.3	33.8	6.7	2400

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SKY COVER

93839	MEMPHIS, TN	73-82	MAY
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00	26.1			22.3						20.6	31.0	5.6	310
	03	29.4			21.9						16.8	31.9	5.4	310
	06	16.1			26.8						22.3	34.8	6.3	310
	09	17.1			21.6						24.2	37.1	6.5	310
	12	7.1			26.8						32.3	33.9	7.1	310
	15	5.8			28.1						34.5	31.6	7.1	310
	18	11.3			27.7						30.6	30.3	6.6	310
	21	20.0			26.1						24.8	29.0	5.9	310
TOTALS		16.6			25.2						25.8	32.5	6.3	2480

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SKY COVER

93839	MEMPHIS, TN	73-82	JUN
STATION	STATION NAME	PERIOD	MONTH

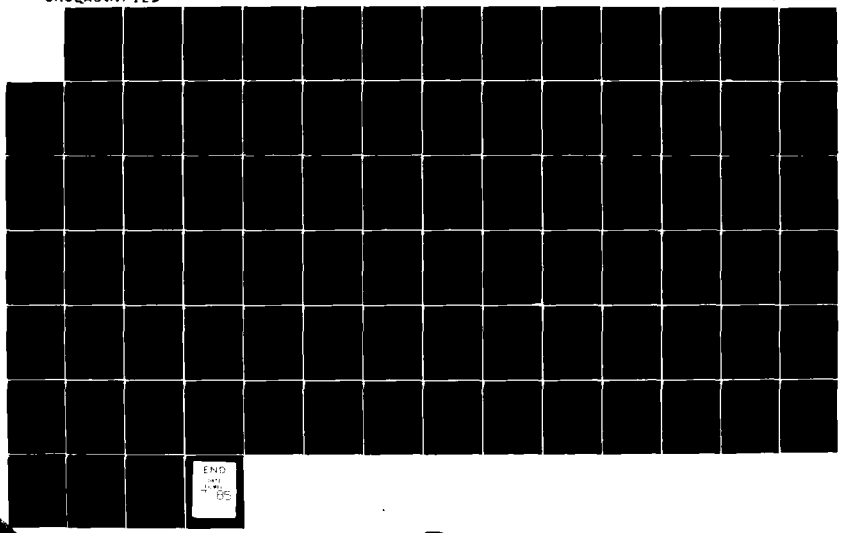
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

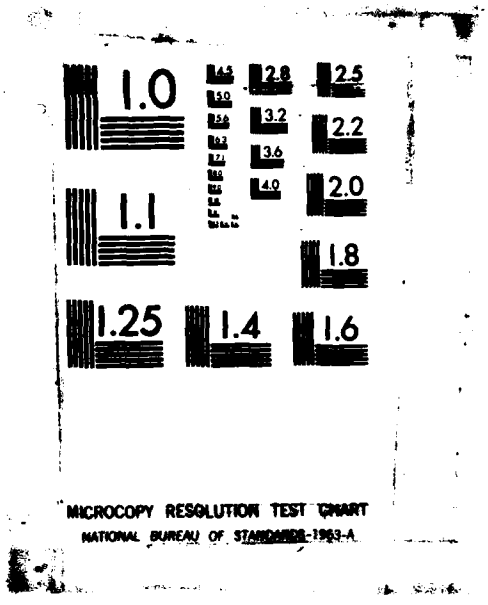
MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00	36.3			26.0						22.3	15.3	4.3	300
	03	29.0			27.3						23.3	20.3	5.0	300
	06	11.3			34.0						30.3	24.3	6.2	300
	09	14.0			28.7						31.3	26.0	6.3	300
	12	4.3			30.3						46.3	19.0	7.0	300
	15	5.0			37.7						38.3	19.0	6.5	300
	18	8.7			37.3						37.0	17.0	6.2	300
	21	23.3			32.0						26.3	18.3	5.2	300
TOTALS		16.5			31.7						31.9	19.9	5.8	2400

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AD-A150 764 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 4/4
MEMPHIS TENNESSEE (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

UNCLASSIFIED F/G 4/2 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SKY COVER

93839	MEMPHIS, TN	73-82	JUL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00	31.9			32.9						19.0	16.1	4.3	310
	03	35.8			28.7						21.3	14.2	4.2	310
	06	17.1			32.3						34.2	16.5	5.7	310
	09	21.0			36.8						22.6	19.7	5.1	310
	12	5.8			41.9						34.5	17.7	6.1	310
	15	3.5			49.4						33.9	13.2	5.9	310
	18	12.6			35.2						34.2	18.1	5.9	310
	21	22.6			28.4						26.8	22.3	5.5	310
TOTALS		18.8			35.7						28.3	17.2	5.3	2480

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SKY COVER

93839	MEMPHIS, TN	73-82	AUG
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00	43.2			23.2						18.4	15.2	3.9	310
	03	39.0			27.1						17.4	16.5	4.0	310
	06	14.5			33.5						36.1	15.8	5.8	310
	09	22.6			33.9						23.5	20.0	5.1	310
	12	5.8			40.3						38.4	15.5	6.2	310
	15	2.6			44.8						38.1	14.5	6.2	310
	18	13.9			40.3						32.6	13.2	5.5	310
	21	30.6			33.9						20.0	15.5	4.4	310
TOTALS		21.5			34.6						28.1	15.8	5.1	2480

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SKY COVER

93839	MEMPHIS, TN	73-82	SEP
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00	37.3			23.7						18.0	21.0	4.4	300
	03	38.7			20.3						15.3	25.7	4.6	300
	06	14.7			33.3						21.7	30.3	6.0	300
	09	21.0			26.3						25.3	27.3	5.8	300
	12	10.3			29.7						35.7	24.3	6.3	300
	15	8.0			35.7						31.0	25.3	6.4	300
	18	14.0			35.3						27.3	23.3	5.9	300
	21	32.7			28.0						17.7	21.7	4.6	300
TOTALS		22.1			29.0						24.0	24.9	5.5	2400

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SKY COVER

91839	MEMPHIS, TN	73-82	OCT
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00	51.3			14.5						12.6	21.6	3.7	310
	03	49.7			14.8						13.5	21.9	3.9	310
	06	30.1			26.9						21.7	21.4	4.9	309
	09	31.3			25.2						19.4	24.2	4.9	310
	12	25.2			28.4						23.5	22.9	5.3	310
	15	23.5			28.1						26.1	22.3	5.4	310
	18	26.5			29.7						23.9	20.0	5.0	310
	21	44.8			18.7						17.1	19.4	4.0	310
TOTALS		35.3			23.3						19.7	21.7	4.6	2479

NAVWEASERVCOM

SKY COVER

93839	MEMPHIS, TN	73-82	NOV
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00	37.0			14.3						10.3	38.3	5.2	300
	03	37.0			12.7						11.3	39.0	5.3	300
	06	24.3			20.7						15.3	39.7	6.0	300
	09	23.0			20.0						17.0	40.0	6.1	300
	12	18.3			21.3						21.7	38.7	6.5	300
	15	18.0			24.3						23.7	34.0	6.3	300
	18	21.7			23.7						17.3	37.3	6.0	300
	21	34.0			16.7						13.3	36.0	5.3	300
TOTALS		26.7			19.2						16.2	37.9	5.8	2400

NAVWEASERVCOM

SKY COVER

93839	MEMPHIS, TN	73-82	DEC
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00	35.6			13.9						13.3	37.2	5.3	309
	03	35.9			13.6						10.0	40.5	5.4	309
	06	30.6			14.2						15.8	39.4	5.8	310
	09	15.8			21.6						20.3	42.3	6.7	310
	12	15.8			21.6						19.0	43.5	6.7	310
	15	15.5			20.0						24.5	40.0	6.8	310
	18	20.7			22.0						15.5	41.7	6.2	309
	21	32.2			15.3						13.7	38.8	5.6	307
TOTALS		25.3			17.8						16.5	40.4	6.1	2474

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SKY COVER

93839	MEMPHIS, TN	73-82	ALL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	21.4			17.3						14.2	47.1	6.5	2480
FEB		22.0			18.4						15.9	43.7	6.4	2256
MAR		17.1			18.7						20.3	43.9	6.8	2480
APR		19.8			23.0						23.3	33.8	6.2	2400
MAY		15.6			25.2						25.8	32.5	6.3	2480
JUN		16.5			31.7						31.9	19.9	5.8	2400
JUL		18.8			35.7						28.3	17.2	5.3	2480
AUG		21.5			34.6						28.1	15.8	5.1	2480
SEP		22.1			29.0						24.0	24.9	5.5	2400
OCT		35.3			23.3						19.7	21.7	4.6	2479
NOV		26.7			19.2						16.2	37.9	5.8	2400
DEC		25.3			17.8						16.5	40.4	6.1	2479
TOTALS		21.9			24.8						22.0	31.6	5.9	29209

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

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

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

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

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

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

DAILY TEMPERATURES

[illegible] MEMPHIS, TN 51-92
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]						.1	.3						.1
≥ [illegible]						2.6	4.8	2.5	.9				1.2
≥ [illegible]					.5	12.5	25.6	15.9	5.2				5.7
≥ [illegible]				.3	10.4	45.5	63.5	53.0	21.6	1.6			14.9
≥ [illegible]			.1	4.6	34.9	74.2	88.9	82.3	48.6	10.9			29.5
≥ [illegible]		.1	3.3	25.1	60.0	90.6	97.6	96.3	72.4	31.9	1.7	.1	39.9
≥ [illegible]	.5	1.8	11.2	44.4	77.2	98.0	99.5	99.2	87.6	50.6	10.1	.6	48.4
≥ [illegible]	2.4	7.3	25.3	63.1	89.3	99.9	99.9	99.9	95.9	67.9	25.2	4.3	56.-
≥ [illegible]	9.9	13.6	39.4	78.6	96.6	100.0	100.0	100.0	98.9	82.2	39.8	12.8	64.6
≥ [illegible]	12.5	28.3	58.9	89.4	99.2				99.7	93.2	56.6	24.3	72.1
≥ [illegible]5	28.[illegible]	48.3	69.1	95.9	100.0				100.0	97.6	70.6	38.0	79.4
≥ [illegible]0	42.0	55.0	81.0	98.8						99.7	81.5	55.[illegible]	84.5
≥ [illegible]	[illegible].3	69.9	89.9	99.7						100.0	90.4	70.4	89.7
≥ [illegible]	67.4	81.6	96.1	100.0							96.6	84.6	93.9
≥ 3[illegible]	82.1	89.5	98.6								99.0	93.1	98.9
≥ [illegible]0	91.3	96.8	99.8								99.8	97.5	99.[illegible]
≥ 25	96.8	99.1	100.0								100.0	99.5	99.6
≥ 20	99.[illegible]	99.9										99.8	99.9
≥ 15	99.7	100.0										99.9	100.0
≥ 10	99.9											100.0	100.0
≥ [illegible]	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	[illegible].5	51.3	60.5	72.1	80.3	88.2	91.0	89.5	83.5	73.7	60.[illegible]	51.[illegible]	70.[illegible]
S.D.	12.7[illegible]6	12.251	11.612	9.255	7.744	6.080	5.441	5.306	7.454	9.156	11.17[illegible]	11.[illegible]64	18.136
TOTAL OBS.	[illegible]61	876	961	930	961	930	961	946	960	991	960	992	11427

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DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N						1.1	2.	.6					.
N					.7	12.4	25.2	12.5	1.8				
N				1.2	2.0	45.7	77.4	59.3	23.4	1.7	.1	.1	1
N		.1	1.0	8.8	34.7	78.0	93.7	88.1	47.8	7.3	.6		3 .0
N	.2	.6	5.2	24.3	61.	93.4	98.4	97.1	69.1	19.3	4.6	1.4	3 .6
N	2.4	1.9	11.9	41.9	9 .2	99.2	100.0	99.9	87.	34.0	10.7	3.8	47.8
N	.4	5.5	22.6	59.8	91.7	99.9		100.0	95.4	53.	20.1	8.4	5 .7
N	1 .0	14.0	36.3	76.8	98.6	100.0			99.0	72.9	32.4	13.4	6 .8
N	1 .	26.5	54.2	91.5	99.9				100.0	88.9	50.4	26.5	71.4
N	30.1	43.9	74.1	98.0	100.0					97.3	71.6	44.8	8 .0
N	4 .3	64.3	91.8	100.0						99.7	86.6	65.2	8 .2
N	6 .7	81.3	97.8							100.0	95.5	84.4	94.1
N	.3	92.	99.1								99.0	94.0	97.3
N	1.2	96.9	99.8								100.0	97.7	9 .8
N	.4	99.2	100.0									99.3	99.6
N	8 .	100.0										99.6	99.8
N	99.3											99.8	99.9
N	100.0											99.9	100.0
N												100.0	100.0
N													
N													
N													
N													
N													
N													
N													
N													
N													
N													
N													
N													
N													
N													
MEAN													
S.D.													
TOTAL OBS.													

NAVWEASERVCOM

DAILY TEMPERATURES

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

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ [illegible]						[illegible]	3.4	.7					[illegible]
≥ [illegible]						11.7	25.7	13.5	2.5				[illegible]
≥ [illegible]				.2	2.1	46.9	70.9	56.3	19.4	1.0			[illegible]
≥ [illegible]			.4	5.9	35.[illegible]	77.3	94.6	89.1	48.6	7.[illegible]	.1	.1	[illegible]
≥ [illegible]	.1	.1	3.3	23.0	61.7	94.2	98.9	98.4	74.4	22.1	1.[illegible]	.3	[illegible]
≥ [illegible]	[illegible].1	1.4	11.7	42.5	[illegible].5	99.8	99.9	99.8	90.1	41.7	9.5	1.5	4[illegible].3
≥ [illegible]	4.[illegible]	5.3	22.6	62.5	93.3	100.0	100.0	100.0	97.5	63.6	20.9	6.0	56.4
≥ [illegible]	9.1	14.5	33.4	8[illegible].5	98.5				99.7	8[illegible].9	37.[illegible]	12.[illegible]	64.[illegible]
≥ [illegible]	17.3	25.9	55.9	92.5	100.0				100.0	94.1	54.4	24.2	7[illegible].1
≥ 4[illegible]	28.[illegible]	41.9	73.3	98.4						9[illegible].8	73.	4[illegible].5	7[illegible]
≥ [illegible]	4[illegible].5	6[illegible].8	88.1	99.8						100.0	[illegible]5.9	62.1	[illegible]
≥ 3	63.4	77.4	95.4	100.0							95.[illegible]	80.8	[illegible]
≥ [illegible]	7[illegible]	88.1	98.[illegible]								99.[illegible]	91.5	96.3
≥ [illegible]	88.[illegible]	96.2	99.7								99.8	96.3	9[illegible].4
≥ [illegible]	95.5	98.6	100.0								100.0	99.2	99.4
≥ 15	[illegible]7.[illegible]	99.8										99.6	9[illegible].8
≥ [illegible]	[illegible].6	100.0										99.9	100.0
≥ 5	[illegible]9.9											100.0	100.0
≥	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
≥													
MEAN	[illegible]	42.[illegible]	[illegible]	6[illegible]	[illegible]	[illegible]	81.[illegible]	77.9	73.6	62.4	5[illegible]	42.[illegible]	[illegible]
S.D.	11.[illegible]1	[illegible].554	[illegible].179	8.3[illegible]8	6.834	5.212	4.427	4.340	6.553	8.27[illegible]	9.879	10.043	17.[illegible]
TOTAL OBS.	[illegible]1	876	961	930	961	930	961	946	960	991	960	992	11429

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

[illegible]39 | MEMPHI[illegible], T[illegible] | 1952-1982 | JANUARY
STATION | STATION NAME | YEARS | MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	[illegible]	3.7	[illegible]7.0	8.3	75	23.9	1952	30.2	-1.0	11	-11.7	1977
2	[illegible].8	3.8	47.4	8.6	66	18.9	1966*	30.2	-1.0	10	-12.2	1979
3	[illegible].8	3.8	46.7	8.2	65	18.3	1982	30.[illegible]	-.7	14	-1[illegible].0	1979
4	[illegible]6.	2.7	45.[illegible]	7.2	66	18.9	1955	28.7	-1.8	[illegible]	-13.3	1959
5	[illegible].8	3.2	45.5	7.5	69	20.6	1955	30.1	-1.1	6	-14.4	1959
6	[illegible].	3.6	47.[illegible]	8.3	69	20.6	1956	29.9	-1.2	4	-15.6	1979
7	[illegible]6.[illegible]	2.7	45.3	7.4	71	21.7	1965	28.5	-1.9	5	-15.0	1970
8	35.[illegible]	2.1	44.[illegible]	7.1	72	22.2	1965	26.5	-3.1	5	-15.0	1970
9	35.[illegible]	2.1	45.4	7.4	72	22.2	1957	26.1	-3.3	5	-15.0	1[illegible]7[illegible]
10	[illegible]3.[illegible]	.8	41.2	5.1	69	20.6	1975*	25.9	-3.4	-2	-18.9	1962
11	[illegible]3.[illegible]	.9	41.9	5.5	69	20.6	1960	25.5	-3.6	-2	-18.9	1962
12	[illegible]5.[illegible]	1.7	43.7	6.5	69	20.6	1960	26.3	-3.2	-2	-18.9	1962
13	[illegible]7.4	3.[illegible]	46.6	8.1	72	22.2	1960	28.1	-2.2	8	-13.3	1963
14	[illegible].4	3.6	46.7	8.2	70	21.1	1960	30.2	-1.0	11	-11.7	1982
15	[illegible].8	3.8	48.[illegible]	8.9	71	21.7	1953*	29.6	-1.3	4	-15.6	1972
16	[illegible].	2.2	44.[illegible]	6.7	7[illegible]	[illegible]4.4	1952	28.[illegible]	-2.2	-1	-18.3	1982
17	[illegible].	2.3	44.4	6.9	[illegible]	[illegible].0	1952	27.9	-2.3	-1	-18.3	1982
18	[illegible].	3.5	46.5	8.1	7[illegible]	[illegible]2	1974	30.2	-1.0	7	-13.9	1977
19	[illegible].4	4.7	48.6	9.2	71	[illegible].7	1974	32.2	.1	2	-16.7	1977
20	[illegible].3	4.3	47.6	8.7	70	21.1	1959	31.9	-.1	14	-10.0	1971
21	[illegible].	4.5	48.5	9.2	7[illegible]	21.1	1950	31.6	-.2	5	-15.[illegible]	1970
22	1[illegible]	5.2	49.9	9.9	[illegible]	20.0	1967*	32.8	.4	12	-11.1	1959
23	[illegible].4	4.1	49.4	9.1	[illegible]	22.8	1967	30.4	-.9	3	-16.1	1963
24	[illegible].7	3.7	47.1	8.4	75	23.9	1972	30.3	-.9	0	-17.8	1963
25	-1.5	5.3	50.3	10.2	66	18.9	1981*	32.6	.3	10	-12.2	1963
26	[illegible].3	5.7	50.5	10.3	76	24.4	1952	34.2	1.2	12	-11.1	1979
27	[illegible].	3.9	46.9	8.3	74	23.3	1975	31.1	-.5	6	-14.4	1963
28	[illegible].9	3.8	47.1	8.4	74	23.3	1975	30.6	-.8	4	-15.6	1963
29	[illegible].2	3.9	48.5	9.2	76	24.4	1975	29.5	-1.4	3	-16.1	1966
30	[illegible].9	3.8	47.4	8.6	69	20.6	1982	31.4	-.9	[illegible]	-17.8	1966
31	[illegible].4	4.1	48.3	9.1	66	18.9	1974*	30.5	-.8	7	-13.9	1965
Monthly	[illegible].2	3.4	46.6	8.1	76	24.4	1975*	29.7	-1.3	-2	-18.9	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

139	MEMPHIS, TN	1952-1982	FEBRUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	42.1	5.6	50.2	10.1	73	22.8	1967	34.1	1.2	12	-11.1	19[illegible]
2	39.5	4.2	48.0	8.9	69	20.6	1974	31.1	-.5	12	-11.1	1965
3	37.8	3.2	45.3	7.4	72	22.2	1962	30.4	-.9	12	-11.1	197[illegible]
4	40.3	4.6	49.6	9.8	66	20.0	1971*	31.0	-.6	13	-10.6	1970
5	41.3	5.2	50.3	10.2	69	20.0	1973	32.4	.2	18	-7.8	1978
6	38.9	3.8	47.0	8.3	69	20.0	1963	30.8	-.7	10	-12.2	1978
7	37.1	2.8	44.8	7.1	65	18.3	1966	29.4	-1.4	15	-9.4	1982
8	38.1	3.9	47.5	8.6	68	20.0	1957	30.7	-.7	14	-10.0	1971
9	40.8	4.9	50.5	10.3	76	24.4	1957	31.2	-.4	6	-14.4	1979
10	41.4	5.2	52.0	11.1	74	23.3	1954	30.8	-.7	11	-11.7	1979
11	39.9	4.4	49.2	9.6	68	20.0	1961	30.5	-.8	9	-12.8	1981
12	39.9	4.4	48.3	9.1	77	25.0	1962	31.5	-.3	13	-10.6	1981
13	42.5	5.8	51.4	10.8	80	26.7	1962	33.6	.9	19	-7.2	1980*
14	45.2	7.3	53.8	12.1	73	22.8	1976	36.6	2.6	19	-7.2	1971
15	43.8	6.6	51.6	10.9	74	23.3	1954	36.3	2.4	14	-10.0	1958
16	41.4	5.3	49.5	9.7	75	23.9	1961	33.7	.9	7	-13.9	1958
17	42.2	5.7	51.0	10.6	74	23.3	1976	33.4	.8	5	-15.0	1958
18	42.5	5.9	52.2	11.2	75	23.9	1961	33.0	.6	6	-14.4	1958
19	42.5	5.8	50.9	10.5	70	21.1	1981	34.1	1.2	11	-11.7	1978
20	42.7	5.9	52.9	11.6	75	23.9	1976	32.5	.3	13	-10.6	1958
21	43.7	6.5	53.8	12.1	72	22.2	1980	33.6	.9	13	-10.6	1963
22	43.3	6.3	51.7	10.9	71	21.7	1977	34.9	1.6	7	-13.9	1963
23	46.2	7.9	56.0	13.3	79	26.1	1982	36.5	2.5	20	-6.7	1964
24	45.3	7.4	55.0	12.8	73	22.8	1957	35.5	1.9	20	-6.7	1967
25	45.3	7.4	54.7	12.6	77	25.0	1981	35.8	2.1	14	-10.0	1965
26	44.4	6.9	53.7	12.1	76	24.4	1981	35.1	1.7	19	-7.2	1980
27	47.5	8.6	57.3	14.1	78	25.6	1981*	37.7	3.2	19	-7.2	1963
28	47.7	8.7	56.7	13.7	74	23.3	1980*	39.3	4.1	25	-3.9	1977
29	45.4	7.7	56.3	13.5	76	24.4	1972	35.7	2.1	27	-2.8	1964
30												
31												
Monthly	42.3	5.7	51.3	10.7	80	26.7	1962	33.4	.8	5	-15.0	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

-39	MEMPHIS, TN	1957-1982	MARCH
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	46.5	8.1	55.2	12.9	74	23.3	1976*	37.8	3.2	17	-8.3	198[illegible]
2	[illegible]	9.1	57.5	14.2	76	24.4	1976	39.3	4.1	14	-10.0	1980
3	[illegible]	8.9	55.5	13.1	79	26.1	1976	40.5	4.7	17	-8.3	1980
4	[illegible]	9.1	57.1	13.9	80	26.7	1976	39.6	4.2	17	-8.3	1960
5	46.0	7.8	55.8	13.2	75	23.9	1967*	36.2	2.3	12	-11.1	1960
6	45.2	7.9	54.8	12.7	78	25.6	1956	37.6	3.1	22	-5.6	1960
7	[illegible]	8.2	56.0	13.3	77	25.0	1974	37.6	3.1	24	-4.4	1966
8	47.3	8.5	57.7	14.3	84	28.9	1974	36.9	2.7	25	-3.9	1967
9	[illegible]	9.4	59.0	15.0	80	26.7	1974	38.8	3.8	26	-3.3	1969
10	[illegible]	10.6	60.2	15.7	78	25.6	1974	41.8	5.4	24	-4.4	1969
11	[illegible]	11.9	62.5	16.9	80	26.7	1967*	44.5	6.9	26	-3.3	1969
12	[illegible]	12.0	62.6	17.0	82	27.8	1967	44.[illegible]	6.9	27	-2.8	1960
13	[illegible]	11.1	61.6	16.4	83	28.3	1967	42.4	5.8	25	-3.9	1969
14	[illegible]	10.6	60.0	15.6	80	26.7	1971	42.1	5.6	28	-2.2	1967
15	[illegible]	10.7	60.7	15.9	81	27.2	1977	41.9	5.5	28	-2.2	1954
16	[illegible]	10.0	59.0	15.0	79	26.1	1982	41.[illegible]	5.0	30	-1.1	1954
17	[illegible]	10.4	61.1	16.2	87	30.6	1982	40.4	4.7	29	-1.7	1976*
18	[illegible]	11.3	61.9	16.6	84	28.9	1982	42.7	5.9	27	-2.8	1967
19	[illegible]	11.9	62.0	16.7	82	27.8	1982	44.[illegible]	7.1	21	-6.1	1965
20	[illegible]	12.3	63.6	17.6	81	27.2	1982*	44.6	7.0	19	-7.2	1965
21	[illegible]	10.3	58.7	14.8	82	27.8	1966	42.2	5.7	26	-3.3	1965
22	[illegible]	9.9	59.5	15.3	79	26.1	1966	40.4	4.7	28	-2.2	1966
23	[illegible]	10.8	63.4	17.4	78	25.6	1967	39.5	4.2	25	-3.9	1974
24	[illegible]	11.1	61.2	16.2	81	27.2	1982*	42.6	5.9	23	-5.0	1974
25	[illegible]	10.0	59.1	15.1	78	25.6	1967	41.0	5.0	26	-3.3	1955
26	[illegible]	9.8	58.1	14.5	77	25.0	1977	41.1	5.1	18	-7.8	1955
27	[illegible]	11.6	62.5	16.9	76	24.4	1961*	43.3	6.3	21	-6.1	1955
28	[illegible]	14.0	68.3	20.2	79	26.1	1963	46.2	7.9	30	-1.1	1955
29	[illegible]	14.0	67.5	19.7	82	27.8	1963	46.9	8.3	30	-1.1	1964
30	[illegible]	13.2	65.[illegible]	18.3	82	27.8	1978*	46.4	8.0	25	-3.9	1964
31	[illegible]	14.2	67.8	19.9	84	28.9	1974	47.3	8.9	34	1.1	1950
Monthly	[illegible]	10.6	60.5	15.8	87	30.6	1982	41.7	5.4	12	-11.1	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39	MEMPHIS, TN	1952-1982	APRIL
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	58.9	14.9	69.5	20.8	87	30.6	1982	48.3	9.1	28	1.1	1954
2	59.5	15.3	70.2	21.2	83	28.3	1978	48.9	9.4	34	1.1	1971
3	59.9	15.5	71.1	21.2	84	28.9	1974	49.7	9.8	34	1.1	1975
4	57.1	13.9	67.6	19.8	82	27.8	1954	46.3	7.9	33	.6	1975
5	56.7	13.3	65.2	18.4	86	30.0	1967	46.4	8.2	35	1.7	1971
6	56.6	13.7	66.8	19.3	85	29.4	1954	46.5	8.1	32	.0	1982
7	59.3	15.3	70.7	21.5	88	31.1	1978	48.4	9.1	33	.6	1982
8	57.6	14.8	68.8	20.4	86	30.0	1978	48.3	9.1	34	1.1	1972
9	58.1	14.6	67.7	19.8	85	29.4	1978	48.8	9.3	34	1.1	1964
10	57.6	14.2	67.7	19.8	84	28.9	1977	47.5	8.6	32	.0	1976
11	60.3	15.7	70.1	21.2	84	28.9	1977	50.5	10.3	32	.0	1973
12	60.9	16.1	70.4	21.3	86	30.0	1972	51.3	10.7	32	.0	1957
13	59.2	15.1	68.7	20.4	88	31.1	1972	49.6	9.8	35	1.7	1957
14	60.7	15.9	70.7	21.5	87	30.6	1972	50.7	10.4	35	1.7	1959
15	61.4	16.3	72.9	22.7	89	31.7	1972	49.9	9.9	36	2.2	1980
16	63.7	17.1	73.3	22.9	87	30.6	1977	52.1	11.2	35	1.7	1962
17	64.3	17.9	74.9	23.8	88	31.1	1955	53.8	12.1	39	3.9	1956
18	65.7	18.7	75.9	24.4	87	30.6	1955	55.6	13.1	38	3.3	1953
19	65.4	18.6	75.2	24.0	87	30.5	1971	55.6	13.1	34	1.1	1953
20	65.2	18.8	76.6	24.8	85	29.4	1960	55.0	12.8	37	2.8	1953
21	64.4	18.0	74.3	23.5	87	30.6	1965	54.5	12.5	36	2.2	1978
22	67.2	19.6	77.8	25.4	91	32.8	1985	56.6	13.7	40	4.4	1978
23	66.4	19.1	75.7	24.3	91	32.2	1965	57.1	13.9	38	3.3	1959
24	64.7	17.8	72.7	22.6	89	31.7	1965	55.3	12.9	42	5.6	1956
25	63.2	17.3	72.5	22.5	86	30.0	1960	54.0	12.2	43	6.1	1972
26	64.3	17.8	73.4	23.0	87	30.6	1954	54.7	12.6	41	5.0	1972
27	65.4	18.6	74.9	23.8	86	30.0	1981*	55.9	13.3	43	6.1	1978*
28	66.5	19.2	76.1	24.5	87	30.6	1952	56.8	13.8	42	5.6	1979
29	65.3	18.8	75.1	23.9	91	32.8	1952	56.6	13.7	44	6.7	1965
30	67.3	19.6	77.5	25.3	89	31.7	1952	57.2	14.0	44	6.7	1969
31												
Monthly	62.1	16.7	72.1	22.3	91	32.8	1985*	53.1	11.2	32	.0	1982*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39	MEMPHI , TN	1952-1982	MAY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	75.6	18.7	75.0	23.9	89	31.7	1959	56.2	13.4	42	4.4	1963
2	75.2	18.4	75.2	24.0	92	33.3	1952	55.2	12.9	42	5.6	1976
3	75.6	18.7	75.8	24.3	92	33.3	1952	55.4	13.0	41	5.0	1976
4	76.1	18.9	76.2	24.6	92	33.3	1952	55.7	13.2	36	2.2	1976
5	68.1	20.1	78.5	25.8	94	34.4	1955	57.6	14.2	44	6.7	1957
6	69.1	20.6	78.6	25.9	92	33.3	1952	59.7	15.4	46	7.8	1958
7	69.0	20.6	78.9	26.1	92	33.3	1977*	59.1	15.1	45	7.2	1958
8	68.7	20.4	78.6	25.9	90	32.2	1952	58.8	14.9	47	8.3	1982*
9	67.1	19.5	76.7	24.8	87	30.6	1965*	57.5	14.2	45	7.2	1981*
10	68.1	20.1	79.4	25.8	91	32.8	1962	58.0	14.4	41	5.0	1966
11	69.1	20.6	78.3	25.7	90	32.2	1962	59.9	15.5	45	7.2	1969
12	68.8	20.4	77.9	25.5	90	32.2	1962	59.6	15.3	44	6.7	1960
13	69.1	20.6	78.8	26.0	92	33.3	1962	59.1	15.1	46	7.8	1960
14	68.9	20.3	78.4	25.8	92	33.3	1953	58.6	14.8	46	7.8	1971
15	68.8	20.4	78.3	25.7	90	32.2	1977	59.3	15.2	47	8.3	1959
16	70.1	21.3	80.4	26.9	91	32.8	1977	60.3	15.7	47	8.3	1959
17	71.1	21.9	80.9	27.2	94	34.4	1962	62.1	16.7	52	11.1	1978*
18	72.2	22.3	83.2	28.4	92	33.3	1962	61.3	16.3	50	10.0	1976*
19	71.2	21.8	80.3	26.8	92	33.3	1962	62.1	16.7	47	8.3	1976
20	71.5	21.9	81.6	27.6	93	33.9	1962	61.4	16.3	50	10.0	1954
21	72.9	22.6	83.5	28.6	92	33.3	1962	62.0	16.7	47	8.3	1981
22	73.1	22.8	82.7	28.2	93	33.9	1975	63.5	17.5	48	8.9	1963
23	74.5	23.6	84.6	29.2	92	33.3	1958	64.5	18.1	46	7.8	1963
24	74.3	23.3	83.8	28.8	92	33.3	1970*	64.2	17.9	50	10.0	1967
25	74.7	23.7	84.4	29.1	93	33.9	1978	65.1	18.4	49	9.4	1979
26	74.4	23.0	83.0	28.3	95	35.0	1978	63.7	17.6	47	8.3	1979
27	73.2	22.9	82.8	28.2	95	35.0	1978	63.6	17.6	45	7.2	1961
28	74.0	23.3	83.8	28.8	92	33.3	1980*	64.1	17.8	48	8.9	1961
29	74.5	23.6	84.5	29.2	96	35.6	1977	64.5	18.1	49	9.4	1964
30	74.3	23.5	83.7	28.7	98	36.7	1977	64.9	18.3	51	10.6	1971
31	74.1	23.3	83.9	28.8	94	34.4	1953	64.2	17.9	53	11.7	1972
Monthly	70.6	21.4	81.3	26.8	98	36.7	1977	60.7	15.9	36	2.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

[illegible]39	MEMPHI , TN	1952-1982	JUNE
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	74.7	23.7	83.8	28.8	95	35.[illegible]	1953	65.5	18.6	49	9.4	1972
2	74.3	23.3	83.4	28.6	92	33.3	1980	64.5	18.1	54	12.2	1956
3	74.3	23.5	84.3	29.1	93	33.[illegible]	1980*	64.3	17.9	5[illegible]	10.0	1969
4	75.2	24.0	86.3	30.2	95	35.0	1980*	65.5	18.6	55	12.8	1964
5	76.5	24.8	86.6	30.3	100	37.8	1958	66.7	19.3	54	12.2	1954
6	77.9	25.4	88.1	31.2	97	36.1	1980	67.5	19.7	56	13.4	197[illegible]
7	77.1	25.1	87.0	30.6	96	35.6	1953	67.2	19.6	59	15.0	1976
8	78.6	25.9	89.3	31.9	97	36.1	1982*	67.9	19.9	55	12.8	1977
9	78.9	26.1	88.8	31.6	98	36.7	1953	68.9	20.5	58	14.4	1978
10	78.1	25.6	87.8	31.0	99	37.2	1953	68.5	20.3	56	13.3	1955
11	78.3	25.7	88.6	31.4	102	38.9	1953	67.8	19.9	55	12.8	1966*
12	78.9	26.1	89.0	31.7	97	36.1	1977*	68.8	20.4	56	13.3	198[illegible]
13	78.9	26.1	89.0	31.7	98	36.7	1953	68.7	20.4	59	15.0	198[illegible]
14	78.7	25.9	88.2	31.2	98	36.7	1952	69.1	20.6	59	15.0	1959
15	77.7	25.4	87.1	30.6	100	37.8	1952	68.2	20.1	55	12.8	1978
16	77.3	25.2	86.0	30.0	98	36.7	1953	68.0	20.0	57	13.9	1969
17	77.9	25.5	87.5	30.8	99	37.2	1953	68.3	20.2	58	14.4	1969
18	78.7	25.9	88.9	31.6	102	38.9	1953	68.4	20.2	59	15.0	1960
19	78.8	26.0	88.9	31.6	101	38.3	1953	68.7	20.4	59	15.0	1961
20	79.5	26.4	89.2	31.9	101	38.3	1953	69.8	21.0	60	15.6	1976
21	79.5	26.4	89.6	32.0	100	37.8	1953	69.3	20.7	56	13.3	1976
22	79.8	26.6	89.9	32.2	100	37.8	1953	69.6	20.9	58	14.4	1961
23	79.3	26.2	88.7	31.5	100	37.8	1953	69.6	20.9	54	12.2	1972
24	79.1	26.2	89.3	31.9	101	38.3	1981	69.0	20.6	59	15.0	1974
25	79.7	26.1	88.4	31.3	100	37.[illegible]	1981	69.7	20.9	57	13.9	1979
26	79.9	26.1	88.3	31.3	104	40.0	1954	69.5	20.8	57	13.9	1958
27	79.8	26.6	89.6	32.0	106	41.1	1954	70.0	21.1	59	15.0	1974*
28	80.6	27.0	90.7	32.6	104	40.0	1952	70.5	21.4	59	15.0	1970
29	81.0	27.2	91.5	33.1	100	37.8	1978*	70.5	21.4	61	16.1	1974
30	81.8	27.7	91.5	33.1	101	38.3	1953	72.1	22.3	63	17.2	1974
31												
Monthly	78.3	25.7	88.2	31.2	106	41.1	1954	68.4	20.2	49	9.4	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39	MEMPHIS, TN	1952-1982	JULY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	1.[illegible]	27.5	91.3	32.9	102	38.9	1954	71.7	22.1	65	18.3	1979*
2	1.[illegible]	27.4	91.0	32.8	102	38.9	1954	71.6	22.0	65	18.3	1976
3	1.5	27.6	91.5	33.1	99	37.2	1980*	71.6	22.0	58	14.4	1959
4	1.[illegible]	27.4	91.3	32.9	101	38.3	1954	71.3	21.8	60	15.6	1966
5	[illegible].4	26.9	90.2	32.3	104	40.0	1954	70.5	21.4	56	13.3	1968
6	[illegible].9	27.1	90.7	32.6	102	38.9	1954	71.0	21.7	57	13.9	1972
7	1.9	27.7	91.5	33.1	102	38.9	1980	72.0	22.2	57	13.9	1972
8	1.9	27.7	91.4	33.0	100	37.8	1980	72.4	22.4	59	15.0	1972
9	1.4	27.4	90.9	32.7	101	38.3	1980	71.8	22.1	61	16.1	1952
10	1.1	27.3	90.9	32.7	101	38.3	1980	71.4	21.9	60	15.6	1963
11	80.6	27.0	90.4	32.4	101	38.3	1980	70.9	21.6	60	15.6	1963
12	80.8	27.1	91.5	33.1	102	38.9	1980	70.7	21.2	62	16.7	1963
13	82.0	27.8	92.3	33.5	104	40.0	1954	71.8	22.1	61	16.1	1964
14	1.7	27.6	91.1	32.8	105	40.6	1980	72.4	22.4	58	14.4	1964
15	2.4	28.0	92.4	33.6	106	41.1	1980	72.3	22.4	59	15.0	1967
16	1.6	27.6	9 .6	32.6	103	39.4	1980	72.7	22.6	61	16.1	1967
17	82.1	27.8	91.9	33.3	101	38.3	1980	72.3	22.4	61	16.1	1976
18	1.9	27.7	91.8	33.2	103	39.4	1954	71.9	22.2	58	14.4	1976
19	82.2	27.9	91.8	33.2	100	37.8	1980*	72.5	22.5	58	14.4	1976
20	1.5	27.5	91.0	32.8	100	37.8	1982	72.1	22.3	64	17.8	1971
21	1.0	27.2	90.6	32.6	101	38.3	1982	71.4	21.9	59	15.0	1971
22	81.1	27.3	90.2	32.3	100	37.8	1952	71.9	22.2	59	15.0	1971
23	1.4	27.4	90.1	32.3	101	38.3	1952	72.6	22.6	67	19.4	1971
24	1.4	27.4	89.7	32.1	99	37.2	1965	73.1	22.8	69	20.6	1971
25	1.3	27.4	90.1	32.3	101	38.3	1952	72.5	22.5	66	18.9	1957
26	1.8	27.7	91.1	32.8	102	38.9	1952	72.5	22.5	68	20.0	1962
27	82.0	27.8	91.4	33.0	106	41.1	1952	72.7	22.6	62	16.7	1962
28	1.7	27.6	90.7	32.6	106	41.1	1952	72.7	22.6	66	18.9	1962
29	80.9	27.2	90.1	32.3	105	40.6	1952	71.7	22.1	65	18.3	1981
30	80.7	27.1	89.4	31.9	97	36.1	1980*	72.1	22.3	61	16.1	1971
31	80.7	27.1	89.8	32.1	99	37.2	1981	71.5	21.9	57	13.9	1971
Monthly	81.4	27.4	90.9	32.7	106	41.1	1980*	71.9	22.2	56	13.3	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

40	MEMPHIS, TN	1952-1982	AUGUST
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	[illegible].6	27.1	89.7	32.1	98	36.7	1960	71.9	22.2	60	15.6	1971
2	[illegible].7	26.5	89.1	31.7	97	36.1	1960	71.5	21.9	62	16.7	1973
3	[illegible].9	27.2	91.5	32.5	100	37.8	1954	71.3	21.8	62	16.7	1977*
4	[illegible].0	27.2	91.0	32.8	100	37.8	1964	71.[illegible]	21.[illegible]	59	15.0	1976
5	[illegible].2	27.3	90.7	32.6	100	37.8	1956	71.6	22.[illegible]	60	15.6	1974
6	[illegible].8	27.1	91.0	32.8	102	38.9	1956	70.6	21.4	62	16.7	1966*
7	[illegible].2	26.9	90.3	32.4	97	36.1	1980*	70.6	21.4	58	14.4	1976
8	[illegible].[illegible]	26.9	90.4	32.4	102	38.9	1980	70.7	21.5	55	12.8	1976
9	[illegible].2	26.8	89.8	32.1	100	37.8	1980	70.5	21.4	54	12.2	1976
10	[illegible].6	26.4	89.5	31.9	98	36.7	1980	69.7	20.9	55	12.8	1976
11	[illegible].4	26.3	89.2	31.8	100	37.8	1954	69.6	20.9	57	13.9	1976
12	[illegible].7	25.9	88.3	31.3	97	36.1	1954*	69.2	20.7	58	14.4	1967
13	[illegible].5	25.8	88.1	31.2	102	38.9	1954	68.8	20.4	55	12.8	1964
14	[illegible].4	26.3	89.3	31.8	100	37.8	1956	69.5	20.8	55	12.8	1967
15	[illegible].7	26.5	89.2	31.8	100	37.8	1953	70.2	21.2	60	15.6	1964*
16	[illegible].9	27.2	90.6	32.6	101	38.3	1954	71.2	21.8	57	13.9	1963
17	[illegible].[illegible]	26.9	90.0	32.2	103	39.4	1954	71.0	21.7	6[illegible]	15.6	1979*
18	[illegible].8	26.6	89.6	32.0	98	36.7	1956*	70.0	21.1	57	15.0	1976
19	[illegible].5	26.8	90.2	32.3	98	36.7	1980*	70.5	21.4	63	17.2	1964
20	[illegible].4	26.3	89.4	31.9	98	36.7	1980*	69.4	20.8	63	17.2	1967*
21	[illegible].8	26.0	89.0	31.7	100	37.8	1980	68.6	20.3	59	15.0	1961*
22	[illegible].3	25.7	88.3	31.3	96	35.6	1968	68.3	20.2	56	13.3	1978
23	[illegible].4	25.8	88.1	31.2	97	36.1	1968	68.8	20.4	53	11.[illegible]	1956
24	[illegible].4	26.3	89.2	31.8	98	36.7	1959	69.5	20.8	62	16.7	1957
25	[illegible].2	26.2	89.5	31.9	98	36.7	1978	69.[illegible]	20.6	59	15.[illegible]	1966
26	[illegible].4	26.3	90.2	32.3	101	38.3	1980	68.7	20.4	56	13.3	1958
27	[illegible].1	26.2	89.1	31.7	99	37.2	1954	69.2	20.7	60	15.6	1958
28	[illegible].8	26.0	89.4	31.9	104	40.0	1954	68.3	20.2	56	13.3	1967
29	[illegible].5	25.8	88.2	31.2	101	38.3	1954	68.8	20.4	57	13.9	1967
30	[illegible].6	25.9	88.3	31.3	95	35.[illegible]	1977*	68.8	20.4	58	14.4	1976
31	[illegible].4	25.8	88.2	31.2	97	36.1	1977	68.7	20.4	57	13.9	1967
Monthly	[illegible].7	26.5	89.5	31.9	104	40.0	1954	69.9	21.1	54	12.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39	MEMPHI , T	1951-1982	PTEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.9	25.5	87.2	30.7	101	38.3	1951	68.5	20.3	55	12.8	1967
2	77.4	25.3	87.7	30.9	9	36.7	1975	67.6	19.8	56	13.3	1967
3	77.7	25.4	87.7	30.9	100	37.8	1975*	67.7	19.8	54	12.2	1952
4	77.1	25.1	86.9	30.5	104	40.0	1954	67.3	19.6	52	11.1	1974
5	76.9	24.9	86.8	30.4	104	40.0	1954	67.0	19.4	55	12.8	1974
6	76.8	24.9	86.9	30.5	99	37.2	198	66.8	19.3	54	12.2	1953
7	76.7	24.8	86.8	30.4	99	37.2	198	66.6	19.2	56	13.3	1969
8	76.9	24.9	86.8	30.4	100	37.8	198	67.0	19.4	57	13.9	1956
9	76.6	24.8	86.8	30.4	101	38.3	1980	66.3	19.1	55	12.8	1979
10	74.4	23.6	84.2	29.0	93	33.9	1953	64.6	18.1	51	10.6	1976
11	73.5	23.1	83.4	28.6	94	34.4	1953	63.6	17.6	49	9.4	1976
12	74.1	23.3	84.2	29.0	98	36.7	1980	63.7	17.6	49	9.4	1976
13	72.1	22.8	83.1	28.4	97	36.1	1980	63.1	17.3	48	8.9	1975
14	73.7	23.2	84.0	28.9	96	35.6	198	63.4	17.4	45	7.2	1964
15	73.7	23.2	83.5	28.6	99	37.2	1954	63.8	17.7	50	10.0	1977
16	73.7	23.2	83.3	28.5	99	37.2	198	64.1	17.8	47	8.3	1961
17	73.3	22.9	82.9	28.3	97	36.1	1953	63.7	17.6	48	8.9	1981
18	73.0	22.8	82.8	28.2	95	35.0	1953	63.1	17.3	45	7.2	1981
19	72.9	22.7	83.4	28.6	95	35.0	1954	62.4	16.9	43	6.1	1981
20	73.1	22.8	83.3	28.5	96	35.6	1954	62.9	17.2	49	9.4	1981
21	72.2	22.3	82.3	27.9	96	35.6	1955	62.1	16.7	47	8.3	1982
22	70.9	21.6	80.6	27.0	93	33.9	1955	61.2	16.2	44	6.7	1982
23	70.9	21.2	80.2	26.8	90	32.2	1961*	60.1	15.6	46	7.8	1982
24	69.5	20.8	79.8	26.6	89	31.7	1959	59.2	15.1	45	7.2	1965
25	69.9	21.1	80.5	26.9	92	33.3	1954	59.3	15.2	43	6.1	1965
26	70.4	21.3	80.8	27.1	94	34.4	1954	60.1	15.6	43	6.1	1975
27	69.9	21.1	80.3	26.8	94	34.4	1954	59.6	15.3	40	4.4	1975
28	68.0	20.0	78.2	25.7	98	36.7	1953	57.8	14.3	41	5.0	1975
29	66.1	19.1	79.6	26.4	97	36.1	1953	56.7	13.7	41	5.0	1967
30	68.8	20.4	80.8	27.1	97	36.1	1953	56.9	13.8	44	6.7	1967
31												
Monthly	73.4	23.0	83.5	28.6	104	40.0	1954	63.2	17.3	40	4.4	1975

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

139	MEMPHIS, TN	1951-1982	OCTOBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	68.1	20.1	79.9	26.6	94	34.4	1953	56.6	13.7	43	6.1	1976
2	67.3	19.6	78.5	25.8	91	32.8	1954	56.6	13.3	39	3.9	1975
3	67.2	19.6	79.1	26.2	93	33.8	1954	55.3	12.9	35	1.7	1975
4	67.5	19.7	79.1	26.2	91	32.8	1954	55.9	13.3	40	4.4	1974
5	67.8	19.4	78.5	25.8	92	33.3	1954*	55.5	13.1	40	4.4	1961
6	65.5	18.6	76.8	24.8	83	31.7	1955	54.9	12.7	39	3.9	1964
7	63.3	17.4	73.6	23.1	84	28.9	1967	53.1	11.7	35	1.1	1964
8	64.8	18.2	76.5	24.7	87	30.6	1963	53.2	11.8	36	2.2	1978
9	64.1	17.8	75.8	24.2	89	31.7	1981	52.6	11.4	37	2.8	1976
10	64.1	17.8	76.3	24.6	89	31.7	1959	52.0	11.1	36	2.2	1976
11	65.6	18.7	78.1	25.6	91	32.8	1975	53.1	11.7	39	3.9	1976
12	66.4	19.1	77.7	25.4	90	32.2	1975	55.2	12.9	37	2.8	1977
13	65.2	18.3	76.9	24.9	89	31.7	1963	53.2	11.8	34	1.1	1977
14	64.6	18.1	76.2	24.6	88	31.1	1963	53.0	11.7	35	1.7	1979
15	63.6	17.7	75.3	24.1	85	29.4	1975*	52.3	11.3	36	2.2	1979
16	62.3	16.8	73.4	23.0	87	30.6	1971*	51.2	10.7	35	1.7	1952
17	61.7	16.5	73.6	23.1	85	31.7	1953	49.9	9.9	36	2.2	1977
18	60.9	16.1	72.8	22.7	90	32.2	1953	48.9	9.4	35	1.7	1976
19	59.4	15.2	70.4	21.3	85	29.4	1953	46.4	8.0	34	1.2	1975
20	58.7	14.8	71.8	22.1	88	31.1	1953	45.6	7.6	29	-1.7	1976
21	59.5	15.7	72.9	22.7	88	31.1	1953	47.6	8.7	28	-2.2	1976
22	61.2	16.2	73.3	22.9	88	31.1	1953	49.0	9.4	31	-.6	1952
23	60.5	15.8	72.4	22.4	83	28.3	1973*	48.5	9.2	33	.6	1952
24	58.1	14.5	69.9	20.5	85	29.4	1973	47.3	8.5	31	-.6	1981
25	57.4	14.1	69.2	20.7	83	28.3	1973	45.6	7.6	33	.6	1965
26	57.3	14.0	69.0	20.6	82	27.8	1973*	45.3	7.4	31	-.6	1972
27	57.4	14.1	69.2	20.7	83	28.3	1971*	45.7	7.6	32	.0	1957
28	56.1	13.4	67.0	19.4	87	30.6	1971	45.1	7.3	31	-1.1	1957
29	55.2	13.0	65.9	18.8	84	28.9	1971	45.0	7.2	29	-2.2	1952
30	57.8	14.3	68.6	20.3	86	30.0	1961	46.9	8.3	32	.0	1973
31	59.1	15.1	69.8	21.0	81	27.2	1971*	48.4	9.1	33	.6	1981
Monthly	62.2	16.8	73.7	23.2	94	34.4	1953	50.6	10.3	29	-2.2	1976*

*ALSO ON EARLIER YEARS

DMNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION	STATION NAME	YEARS	MONTH
[illegible]39	MEMPHI , T[illegible]	1[illegible]1-1982	N[illegible]BE[illegible]

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	[illegible]	14.7	68.8	20.4	81	27.2	1973*	48.[illegible]	8.9	[illegible]9	-1.7	1976
2	[illegible]7.1	13.9	67.8	19.9	82	27.8	1974	46.4	8.[illegible]	29	-3.9	1951
3	3.8	11.9	63.5	17.5	82	27.8	1974*	43.6	6.4	22	-5.6	1951
4	[illegible].2	11.2	61.6	16.4	81	27.2	1978	42.8	6.0	26	-3.3	1976
5	[illegible]2.7	11.5	62.8	17.1	81	27.2	1978	42.6	5.9	21	-6.1	1976
6	[illegible]1.7	10.9	62.5	16.9	75	23.9	1978*	40.9	4.9	26	-3.3	1967
7	[illegible]1.1	10.7	60.9	16.1	79	26.1	1954	41.8	5.4	24	-4.4	1959
8	[illegible]1.[illegible]	11.1	62.9	17.2	79	26.1	1975	40.8	4.9	22	-5.6	1976
9	1.4	10.8	63.2	17.3	76	24.4	1981	39.7	4.3	26	-3.3	1961
10	[illegible]1.1	10.6	62.6	17.0	75	23.9	1981*	39.6	4.2	26	-3.3	1973
11	[illegible].2	11.2	63.3	17.4	76	24.4	1978	41.0	5.[illegible]	2[illegible]	-3.9	196[illegible]
12	[illegible]2.7	11.5	63.7	17.6	77	25.0	1954	41.6	5.3	24	-4.4	1976
13	[illegible]3.[illegible]	11.7	64.7	18.2	83	28.3	1955	41.4	5.2	26	-3.3	1968
14	2.6	11.4	62.[illegible]	16.7	79	26.1	1971	43.3	6.3	24	-4.4	1969
15	[illegible]3.[illegible]	12.2	64.4	18.[illegible]	8[illegible]	26.7	1964	43.4	6.3	24	-4.4	1974
16	[illegible].1	11.7	63.6	17.6	81	27.2	1958	42.6	5.9	24	-4.4	1976*
17	1.6	10.9	61.3	16.3	82	27.8	1958	41.9	5.5	20	-6.7	1959
18	[illegible].1	10.1	59.6	15.3	76	24.4	1981	40.6	4.8	19	-7.2	1959
19	4[illegible].[illegible]	9.8	58.7	14.8	75	23.9	1981*	40.6	4.8	23	-5.[illegible]	196[illegible]
20	[illegible].3	9.6	58.8	14.9	76	24.4	1979	39.8	4.3	25	-3.9	1968
21	[illegible].3	9.6	58.9	14.9	72	22.2	1982*	39.7	4.3	2	-6.7	1964
22	4[illegible].9	9.4	58.4	14.7	75	23.9	1974	39.4	4.1	16	-8.9	1964
23	[illegible].1	9.5	58.2	14.6	76	24.4	1973	40.0	4.4	19	-7.2	197[illegible]
24	47.2	8.4	55.7	13.2	8[illegible]	26.7	1973	38.8	3.8	16	-8.9	197[illegible]
25	44.7	9.0	58.2	14.6	75	23.9	1965	38.3	3.5	22	-5.6	1970
26	[illegible]7.5	9.7	58.6	14.8	82	27.8	1965	40.3	4.6	22	-5.6	1977
27	47.5	8.6	56.2	13.4	71	21.7	1973*	38.8	3.8	26	-3.3	1975*
28	42.6	5.9	51.2	10.7	75	23.9	1961	34.0	1.1	19	-7.2	1955
29	42.3	5.7	51.1	10.6	73	22.[illegible]	1973	33.5	.8	18	-7.8	1976
30	42.7	5.9	52.4	11.3	72	22.[illegible]	1975*	33.[illegible]	.6	17	-8.3	1964
31												
Monthly	[illegible].6	10.3	60.5	15.9	83	28.3	1955	40.6	4.8	16	-8.9	197[illegible]

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39	MEMPHI , T	1951-1982	DECEMBE
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	4[illegible].4	7.4	[illegible]5.2	12.9	7[illegible]	25.6	1982	35.7	2.1	17	-8.3	1964
2	47.1	8.4	56.3	13.5	8[illegible]	26.7	1982	37.9	3.3	20	-6.7	1979*
3	[illegible]2.3	9.6	58.4	14.7	76	24.4	1982	40.2	4.6	21	-6.1	1979
4	4[illegible].6	8.7	57.9	14.4	71	21.7	1977	37.3	2.9	21	-6.1	1974
5	47.6	8.7	56.9	13.8	72	22.2	1975*	38.2	3.4	24	-4.4	1974
6	45.[illegible]	7.7	53.9	12.2	76	24.4	1951	37.7	3.2	22	-5.6	1972
7	[illegible]4.5	6.9	[illegible]3.1	11.7	73	22.8	1978	36.[illegible]	2.2	2[illegible]	-6.7	1977
8	43.[illegible]	6.5	51.9	11.1	69	20.6	1952	35.6	2.0	23	-5.[illegible]	1976
9	4[illegible]	4.9	46.9	9.4	72	22.2	1952	32.7	.4	21	-6.1	1976
10	41.[illegible]	5.4	49.8	9.9	73	22.8	1971	33.5	.8	16	-8.9	1977
11	41.[illegible]	5.5	49.7	9.8	69	20.6	1979	34.[illegible]	1.2	10	-12.2	1962
12	[illegible]2.4	5.8	5[illegible].5	10.3	6[illegible]	20.0	1975*	34.2	1.2	[illegible]	-15.6	1962
13	39.7	4.3	47.7	8.7	74	23.3	1967	31.6	-.2	4	-15.6	1962
14	[illegible]0.1	4.5	48.7	9.3	71	21.7	1975	31.4	-.3	12	-11.1	1958
15	[illegible]0.0	4.4	46.1	8.9	70	21.1	1971	32.[illegible]	.[illegible]	13	-10.6	1958
16	[illegible].7	4.3	48.2	9.0	66	18.9	1977	31.2	-.4	14	-10.0	1951
17	4[illegible].[illegible]	4.8	49.8	9.9	66	18.9	1977	31.2	-.4	14	-10.0	1979
18	[illegible]1.5	5.3	51.2	10.7	66	18.9	1980*	31.[illegible]	-.1	12	-11.1	1964
19	[illegible]3.3	6.3	53.[illegible]	11.7	72	21.1	1978	33.7	.9	9	-12.8	1963
20	[illegible]1.2	5.1	49.9	9.9	71	21.7	1967	32.6	.3	12	-11.1	1981
21	39.[illegible]	4.2	48.2	9.[illegible]	73	22.8	1967	30.8	-.7	12	-11.1	1973
22	[illegible].2	5.1	50.9	10.5	70	21.1	1982	31.6	-.2	10	-12.2	1962
23	43.1	6.2	51.2	10.7	7[illegible]	21.1	197[illegible]	35.[illegible]	1.7	-4	-20.0	1963
24	41.[illegible]	5.3	50.5	10.3	75	23.9	1955	32.[illegible]	.4	-14	-25.6	1963
25	40.4	4.7	48.6	9.2	73	22.8	1982	32.2	.1	9	-12.8	1963
26	40.5	4.7	48.5	9.2	69	20.0	1971	32.4	.2	17	-8.3	1979
27	41.2	5.1	49.3	9.6	68	20.0	1982	33.1	.6	2[illegible]	-6.7	1977
28	41.4	5.2	49.8	9.9	65	18.3	1971	32.9	.5	21	-6.1	1977
29	41.7	5.4	49.5	9.7	66	18.9	1951	34.[illegible]	1.1	19	-7.2	1961
30	41.7	5.4	49.0	9.4	73	22.[illegible]	1951	34.4	1.3	18	-1[illegible].0	1976
31	[illegible].4	4.7	47.8	8.8	79	26.1	1951	33.1	.6	[illegible]	-1[illegible].[illegible]	1976
Monthly	42.5	5.8	51.7	10.6	80	26.7	1982	33.[illegible]	1.1	-[illegible]	-25.6	1963

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
[illegible]9	MEMPHIS, TN	51-[illegible]

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51									101	92	74	75	
52	76	72	78	91	92	104	106	107	93	88	78	72	[illegible]
53	71	[illegible]	79	84	95	102	99		100		78	66	
54	68	78	80	87	89	106	104	104	104	93	79	67	[illegible]
55	69	71	83	88	94	94	98	97	96	89	83	75	98
56	69	75	78	85	90	95	98	102	92	87	82	73	107
57	72	76	76	87	90	96	98	97	91	82	73	66	99
58	63	69	66	83	92	100	96	97	93	86	82	72	100
59	70	77	79	84	90	95	98	98	93	89	75	63	98
60	72	71	77	87	91	96	96	98	100	86	78	65	[illegible]
61	76	75	77	83	90	95	93	94	93	86	51	71	95
62	66	80	73	85	94	94	96	97	92	86	76	71	97
63	67	66	82	84	89	96	95	100	94	89	74	61	100
64	70	64	77	92	94	95	97	100	90	92	90	72	100
65	72	74	72	90	90	93	99	95	92	86	82	[illegible]	99
66	67	67	82	83	98	99	102	94	91	81	75	71	102
67	73	73	83	86	90	94	93	91	88	88	73	74	94
68	67	63	79	86	89	96	96	97	90	85	75	62	97
69	65	65	78	86	92	100	100	97	91	86	76	62	100
70	73	65	72	86	92	94	99	94	92	65	73	73	99
71	67	74	80	87	86	97	97	91	94	90	81	73	97
72	75	76	79	89	91	96	98	95	94	86	73	75	98
73	67	68	79	80	98	96	95	93	92	90	[illegible]	70	98
74	72	69	84	85	92	93	100	92	87	82	82	71	100
75	76	70	77	86	93	95	98	96	100	91	79	72	100
76	70	75	80	85	86	93	99	96	89	89	71	56	99
77	54	75	81	87	98	98	100	97	98	87	77	71	100
78	69	61	82	88	95	100	99	99	94	86	81	73	107
79	63	65	76	83	87	94	97	94	89	86	76	69	97
80	64	74	71	91	92	96	106	102	101	89	78	71	106
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | [illegible] YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	75	79	83	87	89	101	100	99	91	90	78	59	101
2	69	79	87	87	94	97	101	99	93	90	74	81	101
MEAN	.5	71.9	78.5	85.9	91.0	96.4	98.5	96.9	93.7	87.2	77.1	69.8	90.5
S.D.	.124	5.008	6.146	2.543	2.787	3.277	3.108	3.294	4.215	2.956	3.269	4.464	2.897
TOTAL OBS.	961	876	961	930	961	930	961	930	960	961	960	992	11353

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible]39 | MEMPHIS, TN | 51-80
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
3								100 18		94 30			MAX TEMP DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] | MEMPHIS, TN | 51-82
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51									47	39	22	14	
52	21	29	27	38	47	60	61	62	50	28	23	23	21
53	27	27	34	34	50	63	64		49		29	15	
54	19	24	25	34	40	54	69	66	52	34	24	23	19
55	14	11	18	43	55	55	70	63	53	34	19	16	11
56	19	30	29	38	52	52	63	57	48	41	23	29	19
57	13	29	27	32	44	61	65	62	54	30	28	17	17
58	14	5	30	36	45	57	66	56	50	39	24	12	5
59	6	17	30	35	47	59	58	65	53	38	19	24	6
60	15	23	12	34	44	59	62	65	55	36	25	10	10
61	12	20	31	38	44	58	63	59	47	35	26	16	12
62	2-	22	26	34	52	60	62	61	48	36	31	4	2-
63	0	7	32	41	40	63	60	57	46	34	26	16-	16-
64	13	21	25	34	49	55	58	55	45	34	16	12	12
65	7	12	19	44	57	61	59	59	43	33	22	20	7
66	8	20	24	34	41	53	67	59	54	38	25	14	8
67	10	15	27	43	46	59	59	55	41	37	26	20	10
68	11	16	22	36	52	59	56	58	51	36	25	18	11
69	14	28	24	42	45	50	67	62	54	38	24	26	14
70	4	12	30	38	47	57	59	63	47	38	16	17	4
71	14	7	23	33	44	63	57	61	54	45	24	26	7
72	4	19	27	34	49	49	57	65	47	31	23	20	4
73	10	15	35	32	47	61	63	60	47	37	26	12	10
74	14	22	23	35	54	59	66	60	47	36	24	21	14
75	12	20	25	33	53	57	59	63	40	35	26	16	12
76	9	27	29	32	36	56	58	54	48	28	18	5	5
77	2	17	30	35	49	55	68	62	56	34	22	16	2
78	11	10	19	36	44	55	66	56	52	36	34	21	10
79	10	[illegible]	29	37	47	57	65	61	48	35	32	14	6
80	14	12	14	36	45	58	69	66	56	33	29	16	12
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible] STATION | MEMPHIS, TN STATION NAME | 51-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	14	[illegible]	[illegible]	41	46	60	63	64	43	31	25	12	[illegible]
2	1-	14	28	32	47	6[illegible]	6[illegible]	65	4[illegible]	32	26	22	1-
MEAN	10.7	17.4	25.9	36.3	47.0	57.5	62.8	60.6	49.[illegible]	35.1	24.1	16.2	8.3
S.D.	[illegible].754	7.223	5.37[illegible]	3.540	4.687	3.586	4.135	3.538	4.344	3.414	3.916	7.928	7.[illegible]22
TOTAL OBS.	561	876	961	930	961	930	961	930	960	961	969	992	11383

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

[illegible]39 | MEMPHIS, TN | 51-82
STATION | STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
73								62		52			MIN TEMP
								16		30			DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

4

PSYCHROMETRIC SUMMARY

93839	MEMPHIS, TN	73-82	JAN
STATION	STATION NAME	YEARS	MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
74/ 73					.1		.0											4	4		
72/ 71					.0													1	1		
70/ 69				.1	.0													3	3		
68/ 67			.4	.1	.1													14	14	1	
66/ 65		.0	.3	.2	.1	.2		.1										21	21	4	
64/ 63	.0	.1	.2	.2	.1	.1	.1	.0										19	19	13	5
62/ 61	.1	.8	.2	.1	.1	.1	.1	.1										40	40	23	15
60/ 59	.2	.6	.4	.2	.0	.2	.1	.0										45	45	36	31
58/ 57	.1	.4	.5	.2	.2	.2	.1	.0	.0									43	43	29	24
56/ 55	.2	.4	.3	.2	.3	.3	.1											43	43	35	31
54/ 53	.2	1.0	.4	.5	.4	.3	.2											77	77	40	31
52/ 51	.1	.9	.2	.3	.6	.3	.2	.0										66	66	49	40
50/ 49	.0	.8	.5	.8	.6	.4	.2											82	82	55	49
48/ 47	.2	1.2	.8	.8	.5	.3	.0											93	93	61	37
46/ 45	.2	1.7	.6	.7	.9	.2												109	109	84	43
44/ 43	.5	.9	1.0	.9	.9	.1												106	106	111	69
42/ 41	.5	1.4	1.2	1.0	.4	.0												114	114	109	53
40/ 39	.4	1.0	1.4	1.1	.3													105	105	113	76
38/ 37	.4	2.0	1.6	1.0	.2													130	130	143	95
36/ 35	.4	2.4	2.3	.9	.5													160	160	129	111
34/ 33	.7	2.7	2.3	1.0	.1													169	169	175	110
32/ 31	.7	2.8	2.1	.8	.0													157	157	169	124
30/ 29	.4	2.1	2.3	.8	.0													133	133	158	138
28/ 27	.6	2.9	2.2	.2														146	146	154	155
26/ 25	.9	2.7	2.1	.2														148	148	179	153
24/ 23	.5	2.4	1.5	.1														112	112	142	151
22/ 21	.4	2.0	1.6	.1														101	101	128	145
20/ 19	.4	1.5	.8															67	67	95	133
18/ 17	.3	1.3	.6															54	54	76	114
16/ 15	.4	.8	.3															36	36	57	97
14/ 13	.1	.5	.1															18	18	36	109
12/ 11	.2	.8																25	25	21	78
10/ 9		.4	.0															10	10	18	61
8/ 7		.2																5	5	8	55

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

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | JAN MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
6/ 5	.0	.3																8	8	9	44
4/ 3		.4																10	10	6	36
2/ 1		.1																3	3	9	18
0/- 1		.1																3	3	5	9
- 2/- 3																					14
-4 /- 5																					5
- 6/- 7																					9
- 8/- 9																					4
-10/-11																					3
-12/-13																					2
-14/-15																					2
-16/-17																					1
TOTAL	.1	.6	.8	.7	.7	.7	.1	.3	.0									2480		2480	
																			2480		2480

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	135 15350	178314	71.9	16.737	2480							
Dry Bulb	3670421	89801	36.2	12.996	2480	.9	310.8	6.6	1.2			744.0
Wet Bulb	3076537	82005	33.1	12.132	2480	1.5	381.0	.3				744.0
Dew Point	2393661	67771	27.3	14.083	2480	19.7	498.0					744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839	MEMPHIS, TN	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
78/ 77											.0	.0						2	2			
76/ 75							.0		.0			.1						4	4			
74/ 73						.0	.1		.0	.1	.0							8	8			
72/ 71					.1	.1	.0	.1	.0	.1								12	12			
70/ 69				.1	.3	.0	.0	.1	.0	.0	.0							17	17			
68/ 67			.1	.2	.1	.1	.3	.4	.0	.1								30	30			
66/ 65		.1	.2	.3	.1	.0	.2	.1	.1	.1								27	27	1		
64/ 63	.1	.3	.3	.5	.4	.1	.1	.4	.2									55	55	16	5	
62/ 61	.1	.5	.5	.6	.4	.3	.2	.1										65	65	29	11	
60/ 59	.1	.4	.4	.4	.2	.1	.3	.3										51	51	37	18	
58/ 57	.1	.9	.5	.2	.5	.2	.7	.1										73	73	58	26	
56/ 55	.3	1.0	.3	.4	.3	.8	.4	.1										81	81	70	58	
54/ 53	.2	.6	.4	.4	.5	.8	.2											67	67	81	66	
52/ 51	.1	.6	.6	.3	.6	.5	.2											66	66	88	35	
50/ 49	.1	.8	1.1	1.1	.7	.5	.1											100	100	65	33	
48/ 47	.2	1.4	.7	1.0	1.1	.7	.0											117	117	86	45	
46/ 45	.2	1.2	1.0	.7	.7	.4	.0											96	96	124	62	
44/ 43	.2	1.7	1.4	1.2	.5	.1												117	117	115	75	
42/ 41	.2	.9	1.5	.9	.8	.1												99	99	117	85	
40/ 39	.2	1.9	1.8	1.2	.4	.0												124	124	123	71	
38/ 37	.1	1.5	1.9	1.0	.4													108	108	138	94	
36/ 35	.1	1.4	2.1	1.0	.1													108	108	106	117	
34/ 33	.6	2.5	2.3	1.0	.1													148	148	150	126	
32/ 31	.2	2.7	2.0	.6	.1													125	125	136	146	
30/ 29	.3	3.3	2.4	.2														140	140	156	129	
28/ 27	.1	1.7	1.8	.4														89	89	144	131	
26/ 25	.2	2.8	1.4	.0														101	101	122	146	
24/ 23	.1	2.3	1.0															78	78	102	125	
22/ 21	.1	1.8	.5															55	55	87	143	
20/ 19		1.1	.3															30	30	55	98	
18/ 17	.2	1.0	.2															30	30	35	95	
16/ 15	.1	.5	.0															14	14	28	97	
14/ 13		.5																12	12	13	68	
12/ 11		.2																4	4	11	50	

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												

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) FEB (MONTH)

PAGE 2 (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
13/ 9		.1																2	2	4	34
8/ 7		.0																1	1	3	34
6/ 5																					19
4/ 3																					9
2/ 1																					1
0/- 1																					4
TOTAL	4.4	35.6	26.5	13.9	8.4	5.1	2.9	2.0	.5	.5	.1	.1						2256	2256	2256	2256

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11406830	155632	69.0	17.242	2256							
Dry Bulb	4202029	92567	41.0	13.382	2256		202.9	21.7	8.2			672.0
Wet Bulb	3381642	83242	36.9	11.728	2256		266.9					672.0
Dew Point	2505342	69258	30.7	12.966	2256	1.2	395.9					672.0

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PSYCHROMETRIC SUMMARY

23839	MEMPHIS, TN	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83							.0		.0	.1								4	4		
82/ 81						.0	.0	.0	.0			.0	.0					6	6			
80/ 79					.0	.0	.1	.0			.0	.1	.0					9	9			
78/ 77					.1	.2	.2	.1	.0	.2	.1	.0						24	24			
76/ 75			.0	.2	.2	.4	.0	.2	.2	.2	.1							37	37			
74/ 73				.4	.4	.4	.2	.2	.3	.2		.1						51	51			
72/ 71			.2	.5	.6	.3	.3	.2	.3	.1	.1	.1						68	68	4		
70/ 69			.5	.6	.8	.2	.4	.2	.3	.2								76	76	13	1	
68/ 67		.2	.7	1.1	.4	.4	.6	.4	.3	.3	.0							109	109	35	5	
66/ 65		.4	.8	.5	.4	.2	.3	.6	.1	.0								86	86	61	25	
64/ 63	.1	.4	.8	.6	.4	.6	.9	.2	.5									115	115	80	40	
62/ 61	.4	.8	1.4	.9	1.0	.6	.3	.4	.2									146	146	113	69	
60/ 59	.2	.8	.8	.8	.4	.9	.8	.3	.1									124	124	101	91	
58/ 57	.4	1.1	1.0	.8	.6	.8	.6	.4										134	134	130	94	
56/ 55	.3	1.5	.8	1.0	1.0	1.1	.6	.1										160	160	135	104	
54/ 53	.5	.8	.9	1.0	.8	.8	.3	.2										136	136	155	109	
52/ 51	.5	.8	1.1	1.2	1.2	1.0	.2	.0										153	153	144	93	
50/ 49	.3	1.2	1.3	1.4	.8	.5	.1											141	141	144	110	
48/ 47	.0	1.0	1.0	1.2	.9	.6	.0											119	119	160	85	
46/ 45	.1	1.2	1.2	1.2	.5	.4	.0											116	116	181	117	
44/ 43	.1	1.2	1.6	1.2	.4	.2												117	117	148	116	
42/ 41	.1	1.1	1.4	1.5	.5	.1												115	115	144	129	
40/ 39	.2	1.2	2.2	.8	.2													114	114	156	141	
38/ 37	.0	1.2	1.0	.5	.1													72	72	140	141	
36/ 35	.0	.9	1.6	.7														80	80	130	148	
34/ 33	.1	1.4	.7	.3														61	61	89	156	
32/ 31	.0	1.3	.6															49	49	88	152	
30/ 29		.5	.2	.0														19	19	64	135	
28/ 27		.1	.2															7	7	21	128	
26/ 25		.2	.1															9	9	12	86	
24/ 23		.1	.1															4	4	8	64	
22/ 21		.1	.0															4	4	4	44	
20/ 19		.3																7	7	6	37	
18/ 17	.1	.2																7	7	9	26	

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

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PSYCHROMETRIC SUMMARY

93839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) MAR (MONTH)

PAGE 2 (HOURS (L S T))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15																				4	17
14/ 13		.0																1	1		9
12/ 11																				1	9
10/ 9																					4
8/ 7																					2
6/ 5																					1
TOTAL	3.4	2^.2	22.5	18.5	11.6	9.7	6.1	3.6	2.5	1.2	.3	.3	.1					2480	2480	2480	2480

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	11804595	164605	66.4	18.833	2480							
Dry Bulb	7326949	131307	52.9	12.294	2480		32.1	115.2	39.3	3.9		744.0
Wet Bulb	5780230	116808	47.1	10.600	2480		65.1	15.8				744.0
Dew Point	4500320	101154	40.8	12.290	2480		211.8	1.8				744.0

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PSYCHROMETRIC SUMMARY

93879 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) APR (MONTH)

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
88/ 87												.1	.0					4	4		
86/ 85										.1	.1	.1						7	7		
84/ 83						.1	.0	.1	.4	.5	.3	.2						38	38		
82/ 81						.2	.2	.3	.3	.2	.3	.2		.0				46	46		
80/ 79					.1	.4	.4	.3	.3	.2	.4	.1	.0					54	54		
78/ 77				.1	.3	.4	.5	.5	.4	.5	.3	.2						74	74		
76/ 75				.3	.5	.5	.5	.4	.3	.1	.2	.1						71	71		
74/ 73			.0	.6	.7	.6	.6	.9	.3	.3	.4							108	108	4	
72/ 71		.0	.4	1.0	.8	.6	.7	.2	.5	.3	.0							112	112	9	
70/ 69		.2	1.2	1.1	1.1	.6	.5	.6	.6	.3	.0							151	151	47	5
68/ 67	.1	.4	1.4	.9	.8	1.0	.5	.6	.6	.1	.0							154	154	93	16
66/ 65	.1	1.5	1.2	1.0	.7	.6	.9	.8	.3	.1								176	176	148	54
64/ 63	.3	1.5	1.2	1.0	.5	.6	.9	.9	.3									171	171	210	122
62/ 61	.7	1.9	.8	1.0	1.2	1.3	.7	.5	.2									195	195	210	143
60/ 59	.5	.7	.9	1.2	.6	1.0	.9	.2	.1									147	147	181	168
58/ 57	.3	.5	1.0	.8	1.1	.8	.7	.1										127	127	144	115
56/ 55	.3	.8	1.1	1.0	1.3	.7	.4											132	132	164	130
54/ 53	.2	.6	1.3	1.2	.9	.7	.1											116	116	164	123
52/ 51	.1	.7	1.0	1.2	.8	.1	.0											92	92	190	133
50/ 49	.2	.9	1.5	1.1	.5	.4	.0											108	108	172	145
48/ 47	.2	.8	1.2	1.1	.4	.2												92	92	158	136
46/ 45		.5	.4	.5	.2	.1												52	52	142	116
44/ 43		.6	1.0	.2	.2													50	50	114	133
42/ 41	.1	.7	.8	.4	.1													52	52	72	170
40/ 39	.1	.5	.4	.3														32	32	71	161
38/ 37	.1	.3	.2	.1														18	18	51	139
36/ 35	.0	.2	.1	.1														12	12	26	134
34/ 33	.0	.1	.2	.0														9	9	17	94
32/ 31																				6	52
30/ 29																				7	34
28/ 27																					31
26/ 25																					22
24/ 23																					16
22/ 21																					5

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

93839	MEMPHIS, TN	73-82	APR
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31			Dry Bulb	Wet Bulb	Dew Point
77/ 1°																						3
TOTAL	.2	13.6	17.7	16.2	12.7	10.9	8.5	6.5	4.5	3.2	2.1	.8	.1	.0					2400	2400		2400
																			2400		2400	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum	10686565	153041	63.8	19.663	2400							
Dry Bulb	9403174	147912	61.6	10.944	2400			245.7	120.6	36.3		720.0
Wet Bulb	7244611	130149	54.2	8.824	2400		3.9	45.9	1.2			720.0
Dew Point	5742222	114612	47.8	10.587	2400		48.9	6.3				720.0

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PSYCHROMETRIC SUMMARY

93339 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | MAY MONTH

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B /W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
96/ 95												.0						1	1		
94/ 93										.1	.0	.0						5	5		
92/ 91									.2	.3	.0	.1						14	14		
90/ 89							.0	.2	.2	.3	.2	.1						24	24		
88/ 87						.0	.3	.5	.5	.4	.1	.1		.0				51	51		
86/ 85					.0	.4	.6	.6	.7	.2	.3	.2		.0				79	79		
84/ 83				.0	.0	.5	.6	1.0	.4	.5	.3		.1					89	89		
82/ 81				.1	.8	1.0	1.0	.3	.2	.3	.2	.2	.0					101	101		
80/ 79		.0	.1	.6	1.0	1.6	.5	.6	.3	.2	.2							126	126		
78/ 77			.2	.8	1.2	.8	.7	.5	.4	.3	.5	.0						134	134	6	1
76/ 75		.0	.6	1.3	1.2	.6	.9	.3	.3	.8	.2							155	155	43	3
74/ 73		.2	1.5	2.1	.8	.8	.6	.5	.5	.4								181	181	126	6
72/ 71		.5	2.2	1.8	1.0	.9	.2	.4	.2	.2	.0							183	183	173	46
70/ 69	.0	1.0	3.1	1.7	1.1	.7	.8	.4	.3	.3								236	236	214	125
68/ 67	.2	2.3	3.5	.9	.5	.5	.7	.3	.2	.1								225	225	255	182
66/ 65	.4	2.1	2.4	1.2	.8	.5	.4	.1	.1									201	201	300	266
64/ 63	.3	1.8	1.6	1.0	.7	.5	.2	.0										154	154	259	287
62/ 61	.2	1.6	.9	1.2	.6	.4	.1	.0										126	126	223	252
60/ 59	.1	.8	1.3	1.0	.6	.2	.1	.1										103	103	190	205
58/ 57	.0	1.0	1.2	1.1	.4	.2	.0											100	100	159	171
56/ 55	.0	.3	1.0	.6	.1	.0	.0											53	53	157	124
54/ 53	.0	.7	.7	.6	.2													55	55	121	142
52/ 51	.0	.7	.6	.2	.2													42	42	95	139
50/ 49		.5	.4	.2	.0													27	27	76	126
48/ 47		.0	.1	.0														5	5	43	111
46/ 45		.0	.1	.0														5	5	23	106
44/ 43		.0	.0															2	2	8	71
42/ 41		.1																2	2	4	52
40/ 39		.0																1	1	4	38
38/ 37																				1	26
36/ 35																					13
34/ 33																					6
32/ 31																					6
30/ 29																					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												

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PSYCHROMETRIC SUMMARY

93819	MEMPHIS, TN	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
28/ 27																					1
TOTAL	1.5	13.7	21.7	16.4	11.4	9.7	7.9	5.8	4.5	4.5	2.0	.7	.2	.1					2480		2480
																		2480		2480	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1727634	168584	68.0	18.148	2480							
Dry Bulb	1737133	173615	70.0	9.373	2480			481.2	288.0	130.5	1.8	744.0
Wet Bulb	9452618	155300	62.6	7.173	2480			245.1	52.5			744.0
Dew Point	8459094	143222	57.8	8.706	2480		3.0	108.6	7.5			744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93819 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | JUN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
100/ 99											.0	.0	.0					3	3		
98/ 97											.1		.1		.0			6	6		
96/ 95								.1	.2	.1	.1	.2	.0	.0				20	20		
94/ 93							.0	.0	.4	.4	.5	.2	.1					40	40		
92/ 91						.0	.1	1.0	.9	.6	.3	.2	.1					77	77		
90/ 89						.2	.7	1.2	1.0	.9	.5	.3	.2					121	121		
88/ 87				.1		.6	1.6	.9	.7	.5	.5	.2	.1					126	126		
86/ 85				.1	.7	1.7	1.2	1.1	.5	.6	.6	.2	.0					160	160		
84/ 83			.0	.2	1.7	2.0	.7	.8	.7	.5	.4	.2	.0					173	173	2	
82/ 81			.2	1.1	2.0	.9	1.2	.7	1.0	.2	.3							183	183	6	
80/ 79		.1	.7	1.9	1.9	1.2	.7	.4	.6	.2	.1							188	188	25	4
78/ 77		.2	1.8	1.7	2.0	.9	.8	.5	.4		.0							202	202	129	12
76/ 75		1.0	2.9	2.4	1.4	.8	.5	.7	.2	.1								235	235	258	31
74/ 73	.1	1.3	2.4	1.9	1.0	.5	.5	.2		.1								192	192	344	169
72/ 71	.1	2.1	3.0	1.5	.8	.4	.2	.0										198	198	329	275
70/ 69	.7	1.2	2.4	1.0	.7	.4	.3	.1										145	145	303	347
68/ 67	.2	1.0	2.2	.8	.6	.2	.2	.2										127	127	286	289
66/ 65	.2	1.0	1.5	.6	.3	.0												88	88	244	247
64/ 63		.8	.7	.7	.1	.0	.0											56	56	182	220
62/ 61		.4	.3	.4		.1												29	29	137	201
60/ 59		.2	.6	.2														25	25	69	153
58/ 57		.2	.0			.0												6	6	46	128
56/ 55																				34	104
54/ 53																				2	95
52/ 51																				3	62
50/ 49																					28
48/ 47																				1	17
46/ 45																					5
44/ 43																					7
42/ 41																					4
40/ 39																					1
38/ 37																					1
TOTAL	.9	9.5	18.9	14.6	13.1	10.0	8.5	8.0	6.5	4.2	3.4	1.7	.8	.0	.0			2400		2400	2400
																			2400		

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	11421619	160219	66.8	17.392	2400							
Dry Bulb	14677537	186659	77.8	8.172	2400			658.8	517.8	301.2	20.7	720.0
Wet Bulb	11578751	166195	69.2	5.405	2400			504.6	229.2	5.1		720.0
Dew Point	10155001	155293	64.7	6.669	2400			338.1	103.8	1.2		720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) JUL (MONTH)

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
106/105														.0	.0			2	2		
104/103												.0	.0					2	2		
102/101												.3	.0	.1				11	11		
100/ 99										.2	.4	.2	.1					21	21		
98/ 97								.0	.1	.5	.6	.2	.1					40	40		
96/ 95								.3	.6	.8	.6	.2	.1					62	62		
94/ 93							.1	.9	1.9	.8	.2	.2		.0				103	103		
92/ 91						.5	1.2	2.2	1.5	.5	.2	.0						152	152		
90/ 89					.0	1.2	2.2	1.6	.8	.3	.2							159	159		
88/ 87					.5	2.2	2.6	1.0	.7	.2	.2							183	183		
86/ 85				.2	1.9	3.1	1.0	.8	.3	.2	.0							188	188		
84/ 83			.4	1.4	2.3	1.5	.9	.4	.3	.1	.0							184	184	3	
82/ 81		.0	1.3	1.9	2.2	1.0	.6	.1	.2	.1								177	177	43	
80/ 79		.3	2.5	3.3	1.2	.8	.4	.2	.1									216	216	217	11
78/ 77	.1	1.6	4.3	2.8	1.2	.4	.2	.1										261	261	410	63
76/ 75	.4	3.5	4.4	2.7	.6	.1	.2											294	294	459	249
74/ 73	.2	2.7	3.1	1.6	.3	.0	.0											199	199	527	457
72/ 71	.1	1.5	1.6	1.1	.1	.0												111	111	334	544
70/ 69	.1	.6	.6	.6	.1													52	52	212	433
68/ 67		.2	.5	.1	.2													26	26	135	262
66/ 65		.2	.4	.0														18	18	71	170
64/ 63		.2		.1														9	9	35	110
62/ 61		.2	.1	.0														7	7	19	89
60/ 59		.1	.0															3	3	9	29
58/ 57																				4	33
56/ 55																				2	22
54/ 53																					7
52/ 51																					1
TOTAL	.8	11.4	19.1	15.9	10.6	10.8	9.4	7.6	6.5	3.7	2.5	1.1	.4	.2	.0			2480	2480	2480	2480

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	12654374	172636	69.6	16.029	2480							
Dry Bulb	16768645	203017	81.9	7.761	2480			732.9	676.2	419.4	72.3	744.0
Wet Bulb	13517550	182806	73.7	4.142	2480			702.0	497.7	38.7		744.0
Dew Point	12218834	173722	70.0	9.479	2480			605.7	321.9	3.3		744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

4

93839 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | AUG MONTH

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101												.0						1	1		
100/ 99											.0			.0				2	2		
98/ 97									.1	.2	.4	.0			.0			20	20		
96/ 95									.3	.3	.2	.0	.1					23	23		
94/ 93							.0	.6	1.0	.3	.0	.1	.0					53	53		
92/ 91						.0	.6	1.0	1.4	.2	.1	.1	.1					92	92		
90/ 89						.4	1.2	2.2	.7	.4	.1	.0						128	128		
88/ 87					.3	1.3	2.9	1.5	.7	.2	.2							173	173		
86/ 85				.2	1.2	2.4	1.7	.8	.3	.2	.0							168	168		
84/ 83			.1	.8	2.5	1.9	1.0	.6	.4	.3	.0							192	192		
82/ 81			.2	1.8	2.6	1.2	.8	.3	.2	.0								179	179	4	
80/ 79	.0	.1	1.2	2.4	1.6	.9	.2	.2										168	168	105	1
78/ 77		1.1	2.5	3.2	1.6	.5	.6	.2										243	243	260	24
76/ 75	.2	2.9	3.7	2.0	.9	.2	.2	.0	.0									254	254	393	130
74/ 73	.9	2.9	3.3	2.3	.6	.4	.1											259	259	460	325
72/ 71	.7	2.4	2.9	1.3	.2	.1												190	190	394	480
70/ 69	.8	1.4	2.2	.9	.3	.1												142	142	293	458
68/ 67	.2	1.2	1.4	.8	.0	.0												92	92	233	320
66/ 65		.8	.7	.1														40	40	154	242
64/ 63	.1	.4	.6	.1	.0													32	32	91	163
62/ 61	.0	.3	.1	.1														13	13	47	121
60/ 59		.2		.0														6	6	22	95
58/ 57		.1	.2															6	6	11	60
56/ 55	.0	.1																4	4	7	35
54/ 53																				6	12
52/ 51																					11
50/ 49																					3
TOTAL	3.1	14.0	19.1	16.2	11.9	9.6	9.5	7.4	5.2	2.2	1.2	.4	.2	.0	.0				2480		2480
																		2480		2480	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	13475693	178517	72.0	15.885	2480							
Dry Bulb	15612954	195818	79.0	7.814	2480			713.7	586.5	337.8	29.7	744.0
Wet Bulb	12823111	177955	71.8	4.687	2480			692.6	366.6	12.6		744.0
Dew Point	11638508	169446	68.3	4.965	2480			521.4	219.8	.3		744.0

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PSYCHROMETRIC SUMMARY

4

93839	MEMPHIS, TN	73-82	SEP
STATION	STATION NAME	YEARS	MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
100/ 99													.0	.0				2	2		
98/ 97										.0	.0		.1	.0				5	5		
96/ 95										.1	.2	.1	.0					11	11		
94/ 93								.1	.1	.3	.3	.0		.0				22	22		
92/ 91						.0	.1	.1	.4	.2	.1							24	24		
90/ 89							.2	.6	.5	.2	.2		.0					39	39		
88/ 87						.3	1.2	.8	.4	.2		.0	.0					69	69		
86/ 85				.0	.2	1.2	1.1	.3	.5	.2	.1	.0						87	87		
84/ 83			.2	.4	1.0	1.0	.6	.6	.2	.3	.0	.1	.0					104	104		
82/ 81		.0	.2	.7	.7	.9	1.1	.5	.4	.2								114	114	1	
80/ 79		.0	.7	1.3	1.3	1.1	.5	.7	.2	.2	.1		.0					138	138	18	
78/ 77	.2	.2	1.5	1.4	1.5	.5	.8	.5	.1	.1		.0						164	164	64	12
76/ 75	.7	.8	2.1	1.6	.8	.6	.5	.4	.2	.1	.0							188	188	189	57
74/ 73	.2	2.0	3.2	1.7	.4	.6	.5	.2	.1									214	214	230	97
72/ 71	.2	2.2	2.6	1.5	.7	.8	.4	.2	.1									213	213	253	198
70/ 69	.7	2.0	2.3	1.2	.8	.6	.5	.3	.1									204	204	301	274
68/ 67	.4	1.5	1.6	1.5	.4	.4	.3	.2	.0									149	149	213	274
66/ 65	.3	1.2	1.2	1.1	.7	.3	.2	.1										123	123	188	233
64/ 63	.2	1.1	1.1	1.1	.5	.3	.1											107	107	161	150
62/ 61	.1	1.7	1.0	.9	.9	.1	.1											114	114	163	142
60/ 59	.1	1.2	1.4	.5	.5	.1												91	91	144	158
58/ 57	.0	1.2	.9	.7	.2	.3												74	74	120	151
56/ 55		.9	.5	.6	.1													48	48	120	138
54/ 53	.3	.5	.6	.1														31	31	79	123
52/ 51	.0	.4	.2	.2														20	20	60	94
50/ 49		.4	.4															19	19	44	70
48/ 47		.2	.2															10	10	15	73
46/ 45		.2	.1															8	8	17	57
44/ 43			.2															5	5	10	34
42/ 41			.1															2	2	3	33
40/ 39			.0															1	1	4	13
38/ 37																				2	6
36/ 35																				1	4
34/ 33																					4

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

93839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PAGE 2 (HOURS (L S T))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
32 / 31																					1
TOTAL	3.4	17.8	22.1	16.5	11.0	8.9	8.1	5.0	3.4	2.0	1.1	.4	.3	.1					2400		2400
																		2400		2400	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	13288123	173937	72.5	16.863	2400							
Dry Bulb	12705071	173005	72.1	9.874	2400			524.1	354.3	165.3	12.0	720.0
Wet Bulb	10483318	157506	65.6	7.817	2400			380.7	150.6	1.2		720.0
Dew Point	9360554	148402	61.8	8.763	2400		.3	274.8	76.2			720.0

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PSYCHROMETRIC SUMMARY

93839 — STATION
MEMPHIS, TN — STATION NAME
73-82 — YEARS
OCT — MONTH

PAGE 1
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31			Dry Bulb	Wet Bulb	Dew Point
90/ 89									.0	.1	.0	.0							5	5		
88/ 87								.0	.1	.0	.2	.1							12	12		
86/ 85						.1	.2	.1	.3	.1	.1	.0							24	24		
84/ 83				.0	.0	.1	.2	.3	.3	.2	.1	.0							32	32		
82/ 81				.0	.1	.0	.1	.3	.2	.2	.1								29	29		
80/ 79			.1	.0	.1	.3	.3	.4	.2	.3	.2	.0							47	47		
78/ 77			.1	.2	.5	.2	.4	.6	.3	.3	.2								73	73	3	
76/ 75		.1	.4	.3	.4	.4	.7	.5	.4	.2	.2								88	88	6	1
74/ 73		.3	.4	.4	.7	.5	.5	.4	.3	.3	.1	.0							98	98	21	6
72/ 71		.4	.4	.6	1.0	.4	.6	.3	.4	.3	.1								113	113	43	16
70/ 69	.1	.3	1.2	.7	1.2	.6	.2	.6	.5	.3									139	139	71	37
68/ 67	.1	.6	1.5	.8	.5	.5	.3	.4	.4	.1									131	131	101	37
66/ 65	.2	.6	1.3	1.5	.9	.6	.6	.8	.4	.0									172	172	121	64
64/ 63	.2	.8	1.5	1.0	.9	.6	1.0	.7	.2										173	173	172	88
62/ 61	.1	1.3	1.2	1.1	.9	.6	.7	.4	.1	.0									159	159	165	112
60/ 59	.1	1.1	1.3	.8	.8	1.0	.8	.2											155	155	168	139
58/ 57	.1	1.0	1.2	1.0	.7	.6	.5	.1											129	129	156	147
56/ 55	.2	1.2	1.3	1.0	1.3	.5	.2	.0											150	150	172	154
54/ 53	.1	1.1	1.3	1.1	.9	.1		.3											119	119	184	147
52/ 51	.2	.9	1.6	1.0	.8	.3	.0												121	121	172	137
50/ 49	.2	.8	1.9	1.3	.4	.1	.0												113	113	173	131
48/ 47	.2	1.0	1.7	1.1	.2	.0													103	103	178	137
46/ 45	.0	.9	1.7	.4	.1	.0													80	80	155	128
44/ 43	.1	1.1	1.3	.2	.0														66	66	120	144
42/ 41	.2	.7	.9	.2	.0														50	50	105	142
40/ 39	.1	.5	.6	.1															35	35	73	187
38/ 37	.2	.9	.4	.0															36	36	50	163
36/ 35		.5	.1																16	16	36	130
34/ 33		.0	.2																5	5	19	103
32/ 31		.2																	4	4	8	63
30/ 29		.0																	1	1	5	22
28/ 27		.0																	1	1	2	17
26/ 25																						14
24/ 23																						9

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

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PSYCHROMETRIC SUMMARY

93839	MEMPHIS, TN	73-92	OCT
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31			Dry Bulb	Wet Bulb	Dew Point
22/ 21 TOTAL	2.3	16.5	23.4	15.0	12.7	8.4	7.2	6.3	4.2	2.6	1.3	.3							2479		4 2479	
																			2479		2479	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤47 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	118500 63	165193	66.6	18.434	2479							
Dry Bulb	2493101	150719	60.8	11.933	2479		1.8	237.4	122.4	37.5		749.0
Wet Bulb	74 69432	134064	54.1	9.406	2479		4.5	73.5	9.0			749.0
Dew Point	6082285	119923	48.4	10.697	2479		38.7	29.1	3.3			749.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

23839	MEMPHIS, TN	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
82/ 81							.0											1	1		
80/ 79					.0	.0	.0		.1	.2	.0							10	10		
78/ 77						.1	.1	.0	.1	.1								9	9		
76/ 75			.0	.1	.1	.2		.1	.1	.0								16	16		
74/ 73			.0	.1	.2	.2	.1	.2	.1	.2	.0		.0					31	31		
72/ 71			.5	.5	.4	.2	.2	.0	.2	.0	.0							50	50	2	
70/ 69	.0	.1	.5	.9	.3	.2	.2	.1	.1	.2	.0	.0						69	69	13	2
68/ 67		.5	1.0	.7	.3	.5	.2	.3	.3	.2								96	96	26	12
66/ 65	.0	1.0	1.2	.6	.3	.4	.4	.1	.2	.1								107	107	53	26
64/ 63	.0	2.0	1.1	.5	.5	.3	.2	.5	.2	.1								134	134	97	46
62/ 61	.1	1.5	.7	.3	.9	.5	.3	.2	.2	.0								119	119	129	93
60/ 59	.4	1.5	.2	.6	.4	.3	.3	.5	.0									104	104	106	115
58/ 57	.0	.7	.7	.6	.8	.9	.5	.2										108	108	91	80
56/ 55	.2	1.2	.4	.8	1.0	.9	.6	.1										124	124	88	76
54/ 53	.2	1.0	.7	.9	.8	.6	.5	.1	.0									115	115	102	56
52/ 51	.3	1.4	1.1	1.0	.9	.6	.3											134	134	106	69
50/ 49	.0	1.2	1.4	1.3	1.0	.5	.2	.0										139	139	136	100
48/ 47	.1	1.3	1.4	1.6	.8	.2	.0											131	131	151	79
46/ 45		1.3	2.0	1.0	.6	.3												123	123	164	95
44/ 43	.1	1.7	2.0	1.3	.9	.3												151	151	167	93
42/ 41	.1	1.3	1.9	1.2	.6													125	125	171	120
40/ 39	.3	1.2	1.2	.7	.5													92	92	150	154
38/ 37	.0	1.5	2.0	.9	.2													110	110	130	149
36/ 35	.0	1.4	1.4	.6														82	82	131	149
34/ 33		1.5	1.0	.3														67	67	119	140
32/ 31	.1	1.1	.8	.2														53	53	95	137
30/ 29	.1	1.0	.5	.1														41	41	63	141
28/ 27	.1	.7	.2	.0														25	25	46	120
26/ 25		.3	.1															10	10	28	98
24/ 23		.3	.2															12	12	12	79
22/ 21		.2	.2															9	9	10	62
20/ 19		.1																2	2	9	33
18/ 17			.0															1	1	4	30
16/ 15																				1	21

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

93839 (STATION) MEMPHIS, TN (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
14/ 13																					6
12/ 11																					8
10/ 9																					5
8/ 7																					3
6/ 5																					3
TOTAL	2.3	27.2	24.4	16.7	11.6	7.4	4.5	2.7	1.7	1.1	.2	.0	.0						2400		2400
																		2400		2400	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	12125744	164884	68.7	18.237	2400							
Dry Bulb	1648888	122824	51.2	12.235	2400		45.9	84.6	20.1	1.8		720.0
Wet Bulb	5377681	110473	46.0	11.342	2400		80.4	12.3				720.0
Dew Point	4270210	96374	40.2	12.916	2400		223.8	4.2				720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | DEC MONTH

HOURS (L S T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 79						.0												1	1		
78/ 77					.0	.0												2	2		
76/ 75				.0	.1													4	4		
74/ 73				.1														3	3		
72/ 71			.2	.2		.1												11	11	1	
70/ 69		.0	.2	.2	.1	.0	.0	.0										17	17	7	
68/ 67		.0	.2	.4	.1	.1	.0	.1										25	25	14	4
66/ 65		.4	.4	.5	.2	.0	.2		.1		.0							48	48	9	13
64/ 63		.6	.4	.2	.3	.1		.1										45	45	26	13
62/ 61	.0	.6	.3	.4	.2	.2	.0	.2										47	47	42	23
60/ 59	.1	.6	.3	.3	.3	.4	.1	.0	.1									55	55	41	41
58/ 57	.3	.7	.4	.2	.6	.3	.3	.1										72	72	48	36
56/ 55	.0	.8	.6	.7	.4	.5	.3	.0	.0									86	86	43	40
54/ 53	.1	.5	.5	.8	.4	.8	.2	.1										83	83	55	46
52/ 51		1.1	1.1	.7	.8	.5	.1	.0										111	111	47	47
50/ 49	.1	.9	.8	.9	.8	.8	.2											112	112	102	46
48/ 47	.1	1.7	.8	1.5	1.3	.6												147	147	95	50
46/ 45	.0	1.5	1.1	1.7	1.5	.2	.1											149	149	124	79
44/ 43	.2	1.7	1.9	1.4	.6	.3	.0											151	151	138	84
42/ 41	.2	1.9	2.7	1.7	.8	.1												185	185	166	93
40/ 39	.3	1.9	2.6	1.4	.7	.0												172	172	209	88
38/ 37	.2	2.2	2.7	1.4	.4													170	170	198	124
36/ 35	.3	2.4	2.4	1.2	.4													166	166	176	145
34/ 33	.2	1.6	2.6	.5	.2													127	127	196	171
32/ 31	.2	2.6	1.8	.4	.0													125	125	178	187
30/ 29	.2	1.9	1.3	.2														87	87	149	168
28/ 27	.1	1.6	1.3	.2														80	80	109	164
26/ 25	.1	1.6	.8	.1														64	64	93	142
24/ 23	.0	1.1	.4															37	37	64	154
22/ 21	.0	.7	.6															33	33	47	124
20/ 19	.0	.7	.2															23	23	34	91
18/ 17	.0	.4	.1															14	14	24	75
16/ 15	.0	.4	.1															13	13	21	54
14/ 13	.0	.2																5	5	11	47

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

23839 STATION | MEMPHIS, TN STATION NAME | 73-82 YEARS | DEC MONTH

PAGE 2 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
12/ 11		.0																1	1	3	33
10/ 9		.0																1	1	1	33
8/ 7		.0																1	1	1	14
6/ 5		.0																1	1	1	11
4/ 3																				1	8
2/ 1																					4
0/- 1																					2
- 2/- 3																					2
- 4/- 5																					1
- 6/- 7																					1
- 8/- 9																					1
TOTAL	2.8	32.4	29.0	17.5	10.5	5.2	1.7	.7	.2		.0								2474		2474
																		2474		2474	

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.	12660785	172403	69.7	16.171	2474							
Dry Bulb	4836645	105415	42.6	11.811	2474		145.9	18.9	3.0	.3		744.0
Wet Bulb	3272181	95385	38.6	10.914	2474		221.6	6.4				744.0
Dew Point	3033996	80748	32.6	12.693	2474	2.1	401.8	1.2				744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839	MEMPHIS, TN	73-82	ALL
STATION	STATION NAME	YEARS	MONTH

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
106/105														.0	.0			2	2		
104/103												.0	.0					2	2		
102/101												.0	.0	.0				12	12		
100/ 99										.0	.0	.0	.0	.0				28	28		
98/ 97								.0	.0	.1	.1	.0	.0	.0	.0			71	71		
96/ 95								.0	.1	.1	.1	.1	.0	.0				117	117		
94/ 93							.0	.1	.3	.2	.1	.0	.0	.0				223	223		
92/ 91						.1	.2	.4	.4	.1	.1	.0	.0					359	359		
90/ 89					.0	.2	.4	.5	.3	.2	.1	.0	.0					476	476		
88/ 87				.0	.1	.4	.7	.4	.3	.1	.1	.0	.0	.0				618	618		
86/ 85				.0	.3	.7	.5	.3	.2	.1	.1	.1	.0	.0				713	713		
84/ 83			.1	.2	.6	.6	.3	.3	.2	.2	.1	.0	.0					816	816	5	
82/ 81		.0	.1	.5	.7	.4	.4	.2	.2	.2	.1	.0	.0	.0				836	836	54	
80/ 79	.0	.1	.5	.8	.6	.5	.3	.2	.2	.1	.1	.0	.0					957	957	365	16
78/ 77	.0	.3	.9	.9	.7	.3	.4	.3	.1	.1	.1	.0						1188	1188	872	112
76/ 75	.1	.7	1.2	.9	.5	.3	.3	.2	.1	.1	.1	.0						1346	1346	1348	470
74/ 73	.1	.8	1.2	.9	.4	.4	.3	.2	.1	.1	.1	.0	.0					1348	1348	1712	1060
72/ 71	.1	.8	1.2	.8	.5	.3	.2	.1	.1	.1	.0	.0						1262	1262	1542	1559
70/ 69	.2	.6	1.2	.8	.6	.3	.2	.2	.2	.1	.0	.0						1251	1251	1474	1682
68/ 67	.1	.7	1.2	.7	.3	.3	.2	.2	.2	.1	.0							1178	1178	1392	1805
66/ 65	.1	.8	1.0	.6	.4	.2	.3	.2	.1	.0	.0							1107	1107	1354	1340
64/ 63	.1	.8	.8	.6	.4	.3	.3	.2	.1	.0								1070	1070	1342	1249
62/ 61	.2	1.0	.6	.6	.5	.4	.2	.2	.0	.0								1060	1060	1300	1251
60/ 59	.1	.7	.6	.5	.3	.4	.3	.1	.0									909	909	1104	1243
58/ 57	.1	.7	.6	.5	.4	.3	.3	.1	.0									872	872	996	1065
56/ 55	.1	.7	.5	.5	.5	.4	.2	.0	.0									881	881	1027	1018
54/ 53	.1	.6	.6	.5	.4	.4	.1	.0	.0									799	799	989	957
52/ 51	.1	.6	.6	.5	.5	.3	.1	.0										805	805	910	847
50/ 49	.1	.6	.8	.7	.4	.3	.1	.0										841	841	967	841
48/ 47	.1	.7	.7	.7	.4	.2	.0											817	817	948	770
46/ 45	.1	.7	.7	.5	.4	.1	.0											738	738	1014	808
44/ 43	.1	.7	.9	.5	.3	.1	.0											765	765	931	826
42/ 41	.1	.7	.9	.6	.3	.1												744	744	891	881
40/ 39	.1	.7	.9	.5	.2	.0												676	676	903	930

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

93839	MEMPHIS, TN	73-82	ALL
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
39/ 37	.1	.8	.8	.4	.1													644	644	853	939
36/ 35	.1	.8	.8	.4	.1													624	624	735	951
34/ 33	.1	.8	.6	.3	.0													586	586	765	910
32/ 31	.1	.9	.6	.2	.0													513	513	680	868
30/ 29	.1	.7	.5	.1	.0													421	421	602	790
28/ 27	.1	.6	.5	.1														348	348	476	747
26/ 25	.1	.6	.4	.0														332	332	434	661
24/ 23	.1	.5	.3	.0														243	243	328	598
22/ 21	.1	.4	.2	.0														202	202	276	527
20/ 19	.0	.3	.1															129	129	199	395
18/ 17	.0	.2	.1															106	106	148	340
16/ 15	.0	.1	.0															63	63	111	279
14/ 13	.0	.1	.0															36	36	60	238
12/ 11	.0	.1																30	30	36	173
10/ 9		.0	.0															13	13	23	137
8/ 7		.0																7	7	12	108
6/ 5	.0	.0																9	9	10	79
4/ 3		.0																10	10	7	57
2/ 1		.0																3	3	9	23
0/- 1		.0																3	3	5	15
- 2/- 3																					16
- 4/- 5																					6
- 6/- 7																					10
- 8/- 9																					5
-10/-11																					3
-12/-13																					2
-14/-15																					2
-16/-17																					1
TOTAL	.1	2.9	2.7	1.9	1.0	.8	.6	.4	.3	.1	.2	.5	.2	.0	.0			29209	29209	29209	29209

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.	147166183	2007965	68.7	17.679	29209							
Dry Bulb	117713347	1772659	60.7	18.625	29209	.9	739.9	3840.8	2733.5	434.0	136.5	8760.0
Wet Bulb	94557642	1591888	54.5	16.341	29209	1.5	1023.9	2629.2	1306.8	57.6		8760.0
Dew Point	80310027	1439925	49.3	17.868	29209	18.0	1822.2	1891.2	727.5	9.8		8760.0

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] MEMPHIS, TN 73-52

STATION | STATION NAME | YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
[illegible]	MEAN	34.4	38.2	49.8	57.7	65.4	72.6	76.7	74.0	67.5	55.6	48.0	40.5	56.9
	S. D.	12.472	12.266	11.218	9.225	6.951	5.599	4.486	4.572	7.923	9.690	11.665	11.546	16.905
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
[illegible]	MEAN	33.1	36.7	48.1	55.1	63.2	70.4	74.6	71.9	65.7	53.7	46.4	39.1	54.9
	S. D.	12.316	12.310	11.278	9.389	7.053	5.677	4.319	4.724	7.999	9.879	11.875	11.686	16.710
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
[illegible]	MEAN	32.2	35.7	46.5	53.7	63.[illegible]	70.8	74.7	71.3	64.5	52.2	45.2	37.9	54.1
	S. D.	12.415	12.253	11.365	9.398	6.963	5.250	4.028	4.518	8.222	10.008	11.748	11.700	17.029
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
[illegible]	MEAN	34.7	39.5	52.0	61.8	71.0	79.2	83.4	80.5	73.3	61.7	50.8	41.2	60.8
	S. D.	12.378	12.506	11.072	8.973	7.676	5.902	4.951	4.751	7.481	8.452	10.338	10.879	18.703
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1	MEAN	39.5	45.2	57.3	67.3	76.2	84.1	88.7	86.1	79.4	69.4	57.2	47.0	66.5
	S. D.	13.093	13.439	11.759	9.902	8.475	6.374	5.713	5.543	8.279	9.547	11.319	11.002	19.038
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
[illegible]	MEAN	41.6	47.8	60.0	69.6	77.5	85.5	89.8	87.2	80.8	71.3	59.0	48.9	68.3
	S. D.	13.462	13.933	12.111	10.040	8.640	6.459	6.123	6.062	8.362	9.537	11.490	11.277	18.826
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
[illegible]	MEAN	38.4	44.7	57.3	67.0	75.2	83.3	86.9	83.7	75.8	64.4	53.3	44.6	64.6
	S. D.	12.598	13.264	11.653	9.504	7.933	5.993	5.874	5.485	8.034	8.926	10.895	10.816	18.725
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
[illegible]	MEAN	35.6	40.5	52.5	61.0	68.7	76.4	80.1	76.9	69.7	58.1	49.6	41.8	59.4
	S. D.	12.351	12.242	11.062	9.144	6.940	5.344	5.163	5.044	7.665	9.188	11.259	11.133	17.345
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	36.2	41.0	52.9	61.6	70.0	77.8	81.9	79.0	72.1	60.8	51.2	42.6	60.7
	S. D.	12.996	13.393	12.295	10.945	9.374	8.172	7.761	7.815	9.875	11.534	12.236	11.811	18.676
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2479	2400	2474	29209

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03839	MEMPHIS, TN	73-82
STATION	STATION NAME	YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN	31.9	35.1	45.6	52.4	60.8	67.5	71.9	69.9	63.8	51.7	44.4	37.1	52.8
	S. D.	12.000	11.246	10.436	8.489	6.818	5.172	3.778	4.323	7.829	9.263	11.264	10.895	16.122
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
03	MEAN	31.0	34.0	44.4	50.9	59.4	66.4	70.9	68.7	62.5	50.4	43.3	36.2	51.6
	S. D.	11.939	11.520	10.614	8.955	7.091	5.428	4.032	4.575	8.019	9.522	11.521	11.099	16.189
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
06	MEAN	30.2	33.3	43.3	50.1	59.6	67.0	71.4	68.5	61.7	49.3	42.3	35.4	51.1
	S. D.	12.173	11.629	10.947	9.139	7.060	5.242	3.840	4.456	8.310	9.737	11.409	11.314	16.604
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
09	MEAN	32.2	36.1	46.7	54.6	63.5	70.4	75.1	73.2	66.8	55.3	46.2	37.9	54.9
	S. D.	12.171	11.676	10.479	8.569	6.967	5.230	3.538	3.756	7.072	8.551	10.115	10.608	16.825
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	35.3	39.6	49.4	56.8	65.2	71.4	76.2	74.6	68.6	58.1	49.4	41.4	57.3
	S. D.	12.152	11.736	10.093	8.242	6.888	5.020	3.609	3.663	6.878	8.346	10.158	10.379	16.073
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	36.5	41.0	50.7	57.8	65.4	71.4	75.8	74.5	68.8	58.5	50.1	42.3	57.8
	S. D.	11.999	11.384	9.948	7.891	6.537	4.793	3.274	3.560	6.578	8.011	10.031	10.155	15.499
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	34.5	39.2	49.5	56.8	64.5	70.9	75.1	73.4	67.5	56.0	47.3	40.0	56.3
	S. D.	11.659	11.245	10.018	7.788	6.532	4.706	3.462	3.631	6.928	8.336	10.460	10.423	15.957
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
21	MEAN	32.9	36.8	47.3	54.3	62.7	69.0	73.3	71.3	65.1	53.2	45.2	38.1	54.2
	S. D.	11.692	11.164	10.055	8.177	6.571	4.804	3.589	4.169	7.360	8.846	10.895	10.598	16.058
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	33.1	36.9	47.1	54.2	62.6	69.2	73.7	71.8	65.6	54.1	46.0	38.6	54.5
	S. D.	12.133	11.728	10.601	8.824	7.174	5.405	4.142	4.657	7.817	9.407	11.043	10.915	16.342
	TOTAL OBS	2482	2256	2480	2400	2480	2400	2480	2480	2400	2479	2400	2476	29209

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] MEMPHIS, TN 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN	27.1	30.1	41.0	47.6	57.6	64.7	69.6	67.7	61.5	48.2	40.0	32.1	49.0
	S. D.	13.811	12.453	11.774	9.927	8.114	6.067	4.255	5.033	8.740	10.304	12.833	12.352	17.650
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
03	MEAN	26.4	29.4	40.2	47.0	56.7	64.1	69.1	67.0	60.5	47.3	39.5	31.7	48.3
	S. D.	13.777	12.803	11.925	10.243	8.158	6.150	4.471	5.076	8.838	10.404	12.935	12.423	17.691
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
06	MEAN	25.9	29.0	39.3	46.7	57.2	64.8	69.7	67.1	59.9	46.7	38.7	31.4	48.1
	S. D.	14.083	12.911	12.275	10.341	8.017	6.017	4.297	4.868	9.088	10.537	12.684	12.686	18.054
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
09	MEAN	27.4	30.8	40.7	48.0	58.6	65.8	71.5	69.8	63.0	49.9	40.9	33.0	50.0
	S. D.	14.470	13.239	12.619	11.040	8.739	6.867	4.191	4.492	8.563	10.665	12.181	12.465	18.252
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	28.2	31.6	40.9	47.9	58.1	64.9	70.9	69.4	62.6	48.9	41.0	33.6	49.9
	S. D.	14.682	13.597	12.665	11.381	9.547	7.194	4.610	4.881	8.963	11.278	13.267	13.096	18.103
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	28.4	31.7	41.2	48.0	57.6	64.1	69.6	68.6	62.0	48.2	40.5	33.3	49.5
	S. D.	14.384	13.290	12.747	11.217	9.399	7.351	4.535	4.954	8.712	11.196	13.565	13.144	17.778
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	27.9	31.5	41.3	48.2	57.5	64.3	69.8	68.5	62.8	49.0	40.4	33.3	49.6
	S. D.	13.860	12.854	12.518	10.607	9.371	7.201	4.828	4.847	8.414	10.444	13.081	12.919	17.711
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
21	MEAN	27.5	31.3	41.7	48.5	58.7	65.1	70.2	69.5	62.3	48.9	40.2	32.7	49.7
	S. D.	13.534	12.412	11.731	9.832	8.034	6.234	4.187	4.866	8.368	10.064	12.736	12.387	17.611
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	27.3	30.7	40.8	47.8	57.8	64.7	70.0	68.3	61.8	48.4	40.2	32.6	49.3
	S. D.	14.083	12.967	12.290	10.588	8.706	6.669	4.480	4.965	8.764	10.648	12.916	12.694	17.869
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2479	2400	2474	29209

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-92	JAN
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	99.4	94.2	82.3	65.8	42.3	17.7	75.8	310
	03	100.0	100.0	100.0	99.4	95.8	87.1	67.7	46.5	21.6	77.3	310
	06	100.0	100.0	100.0	99.7	97.4	87.7	70.3	47.4	21.0	78.2	310
	09	100.0	100.0	100.0	99.7	94.5	81.3	63.2	41.3	20.3	75.7	310
	12	100.0	100.0	100.0	93.2	78.4	54.2	40.0	24.8	11.3	65.9	310
	15	100.0	100.0	98.1	85.5	69.0	47.1	31.6	20.3	8.4	61.8	310
	18	100.0	100.0	99.7	97.4	83.9	62.3	41.6	24.2	10.3	67.4	310
	21	100.0	100.0	100.0	99.0	90.0	78.1	58.4	32.9	16.8	73.0	310
TOTALS		100.0	100.0	99.7	96.7	87.9	72.5	54.8	35.0	15.9	71.9	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

93839	MEMPHIS, TN	73-82	FEB
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	100.0	99.3	92.2	82.3	61.7	34.5	12.4	74.0	282
	03	100.0	100.0	100.0	99.6	95.7	87.6	65.6	40.8	15.2	76.0	282
	06	100.0	100.0	100.0	100.0	99.3	88.7	70.9	45.0	12.4	77.6	282
	09	100.0	100.0	100.0	99.3	92.9	76.2	51.1	30.9	11.3	72.2	282
	12	100.0	100.0	98.6	85.1	66.0	50.0	32.6	18.8	5.7	61.4	282
	15	100.0	100.0	92.9	75.9	55.7	44.3	26.6	13.8	5.3	57.1	282
	18	100.0	100.0	98.9	88.3	71.3	49.6	33.7	18.1	7.4	62.3	282
	21	100.0	100.0	100.0	97.9	91.8	75.9	51.4	30.9	9.9	71.3	282
TOTALS		100.0	100.0	98.9	93.2	83.1	69.3	49.2	29.4	10.0	69.0	2256

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13939	MEMPHIS, TN	73-82	MAR
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	100.0	99.0	93.5	78.1	58.4	35.8	11.3	73.2	310
	03	100.0	100.0	99.7	99.4	96.5	82.3	64.5	39.4	11.6	75.2	310
	06	100.0	100.0	100.0	99.4	96.8	87.1	71.3	48.4	12.3	77.1	310
	09	100.0	100.0	100.0	94.5	81.0	66.5	44.2	23.2	8.4	67.5	310
	12	100.0	99.7	94.2	77.4	57.1	44.2	26.5	15.2	5.8	57.5	310
	15	100.0	98.7	88.4	67.4	51.3	35.5	22.3	12.6	4.5	53.7	310
	18	100.0	99.7	95.2	78.4	59.7	44.5	28.1	16.1	5.5	58.2	310
	21	100.0	100.0	99.0	96.8	85.5	66.5	45.2	26.1	7.7	68.6	310
TOTALS		100.0	99.8	97.1	89.0	77.7	63.1	45.1	27.1	8.4	66.4	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-82	APR
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	03	100.0	100.0	100.0	97.3	90.0	76.0	50.0	27.0	10.7	70.9	300
	06	100.0	100.0	100.0	99.0	95.7	84.3	65.7	38.0	13.0	75.5	300
	09	100.0	100.0	100.0	100.0	98.0	87.3	74.0	46.7	17.0	78.3	300
	12	100.0	100.0	100.0	94.0	70.7	50.0	32.7	19.0	6.3	62.7	300
	15	100.0	99.7	91.0	67.7	47.3	33.0	20.7	13.3	3.7	53.2	300
	18	100.0	99.3	83.7	57.0	40.3	28.3	19.3	10.0	4.3	49.9	300
	21	100.0	100.0	93.3	71.3	48.7	32.0	22.7	13.3	6.3	54.2	300
	24	100.0	100.0	99.3	95.0	83.7	59.3	36.3	21.0	6.0	65.4	300
TOTALS		100.0	99.8	95.9	85.2	71.8	56.3	40.2	23.5	8.8	63.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-82	MAY
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	99.7	96.5	87.4	72.6	44.5	10.0	76.9	310
	03	100.0	100.0	100.0	100.0	99.4	94.2	79.7	57.4	11.3	79.9	310
	06	100.0	100.0	100.0	100.0	99.7	96.8	85.2	65.2	15.8	82.2	310
	09	100.0	100.0	100.0	97.1	85.2	64.2	39.0	19.0	5.2	66.5	310
	12	100.0	100.0	94.8	79.0	58.7	36.8	22.6	11.0	3.2	56.3	310
	15	100.0	99.7	90.3	71.3	53.5	33.2	19.0	11.0	1.6	53.2	310
	18	100.0	100.0	93.9	77.4	61.0	40.6	25.9	14.2	1.9	57.0	310
	21	100.0	100.0	100.0	99.4	93.2	78.1	54.5	28.7	5.5	71.8	310
TOTALS		100.0	100.0	97.4	90.5	80.9	66.4	49.8	31.4	6.8	68.0	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

93939	MEMPHIS, TN	73-82	JUN
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	98.3	93.3	73.0	42.0	7.7	76.9	300
	03	100.0	100.0	100.0	100.0	99.3	97.0	86.7	59.3	11.7	81.0	300
	06	100.0	100.0	100.0	100.0	99.3	98.0	87.7	63.0	14.0	81.9	300
	09	100.0	100.0	100.0	97.7	85.7	59.3	35.0	15.3	1.7	65.0	300
	12	100.0	100.0	98.0	81.3	55.0	33.0	13.3	5.0	1.3	54.3	300
	15	100.0	100.0	94.3	70.3	46.7	25.3	11.3	5.7	2.0	51.0	300
	18	100.0	100.0	96.3	82.7	56.0	32.3	15.7	7.0	2.0	54.8	300
	21	100.0	100.0	100.0	99.0	92.0	75.3	48.0	21.3	3.7	69.2	300
TOTALS		100.0	100.0	98.6	91.8	79.0	64.2	46.3	27.3	5.5	66.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-82	JUL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	97.1	84.2	48.4	9.0	79.2	310
	03	100.0	100.0	100.0	100.0	100.0	98.7	93.5	68.4	17.7	83.5	310
	06	100.0	100.0	100.0	100.0	100.0	99.7	95.5	72.6	24.2	84.9	310
	09	100.0	100.0	100.0	100.0	98.7	75.8	31.3	12.6	3.9	68.1	310
	12	100.0	100.0	99.7	94.8	67.4	31.9	11.0	4.5	1.3	56.9	310
	15	100.0	100.0	99.0	83.9	50.6	26.1	11.9	3.2		53.0	310
	18	100.0	100.0	100.0	90.6	70.6	41.3	18.1	6.5	1.6	58.5	310
	21	100.0	100.0	100.0	100.0	97.4	85.8	57.7	28.4	5.2	72.9	310
TOTALS		100.0	100.0	99.8	96.2	85.6	69.6	50.4	30.6	7.9	69.6	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-82	AUG
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	100.0	96.8	85.2	57.1	17.7	81.4	310
	03	100.0	100.0	100.0	100.0	100.0	99.7	95.5	67.4	22.6	84.8	310
	06	100.0	100.0	100.0	100.0	100.0	100.0	98.1	77.1	28.7	86.8	310
	09	100.0	100.0	100.0	100.0	98.4	85.8	47.4	18.4	5.8	70.8	310
	12	100.0	100.0	99.7	95.8	74.5	36.1	16.1	6.8	3.2	58.8	310
	15	100.0	100.0	98.7	90.3	60.6	29.0	12.9	6.8	2.3	55.6	310
	18	100.0	100.0	99.0	97.4	82.3	46.1	21.6	10.3	3.5	61.7	310
	21	100.0	100.0	100.0	99.7	98.7	92.9	73.5	32.3	8.1	76.0	310
TOTALS		100.0	100.0	99.7	97.9	89.3	73.3	56.3	34.5	11.9	72.0	2480

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13739	MEMPHIS, TN	73-87	SEP
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	99.0	96.7	85.3	60.3	18.7	81.8	300
	03	100.0	100.0	100.0	100.0	99.7	99.0	89.7	66.7	19.7	83.7	300
	06	100.0	100.0	100.0	100.0	99.7	99.3	94.0	72.0	29.0	85.6	300
	09	100.0	100.0	100.0	99.3	94.7	76.0	49.3	27.3	8.3	71.3	300
	12	100.0	99.7	98.0	90.0	68.0	40.0	22.0	9.3	4.0	58.6	300
	15	100.0	99.7	97.0	81.3	57.7	30.7	17.0	8.7	3.3	55.0	300
	18	100.0	100.0	99.7	97.3	84.0	62.7	34.3	15.3	3.3	65.5	300
	21	100.0	100.0	100.0	99.7	98.3	93.0	78.0	47.0	13.3	78.3	300
TOTALS		100.0	99.9	99.3	96.0	87.6	74.7	58.7	38.3	12.5	72.5	2400

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13739	MEMPHIS, TN	73-82	OCT
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00	100.0	100.0	100.0	100.0	98.1	90.3	73.5	40.6	10.6	76.9	310
	03	100.0	100.0	100.0	100.0	99.0	92.9	81.3	51.9	13.9	79.7	310
	06	100.0	100.0	100.0	100.0	99.7	97.7	86.1	59.9	16.5	82.0	309
	09	100.0	100.0	100.0	98.7	89.4	61.0	34.8	17.1	5.2	66.4	310
	12	100.0	100.0	95.8	65.9	39.7	25.2	12.9	8.4	2.6	50.5	310
	15	100.0	100.0	87.4	51.0	31.0	19.4	11.3	5.8	1.3	46.2	310
	18	100.0	100.0	99.7	94.5	70.3	37.1	19.0	10.6	2.6	59.0	310
	21	100.0	100.0	100.0	100.0	95.5	83.5	59.0	22.6	5.5	72.3	310
TOTALS		100.0	100.0	97.9	88.3	77.8	63.4	47.2	27.1	7.3	66.6	2479

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

93739	MEMPHIS, TN	73-92	NOV
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	[illegible]	100.0	100.0	100.0	99.7	95.0	84.3	64.7	39.7	9.0	75.0	300
	[illegible]	100.0	100.0	100.0	99.7	96.3	88.7	71.0	44.0	13.0	77.6	300
	[illegible]	100.0	100.0	100.0	100.0	98.7	91.7	76.0	51.0	14.7	79.0	300
	[illegible]	100.0	100.0	100.0	97.3	89.3	72.3	49.0	31.7	8.0	70.3	300
	[illegible]	100.0	99.3	94.3	74.7	60.0	44.0	30.0	19.7	5.0	58.3	300
	[illegible]	100.0	96.7	88.7	66.3	49.7	36.3	26.3	15.0	4.0	54.2	300
	[illegible]	100.0	100.0	99.3	92.3	74.7	52.0	36.7	20.7	6.3	63.9	300
	[illegible]	100.0	100.0	99.7	98.0	91.0	75.3	52.3	32.3	6.3	71.4	300
TOTALS		100.0	99.8	97.7	91.0	91.8	68.1	50.8	31.8	8.3	68.7	2400

OCEANAV–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13739	MEMPHIS, TN	73-82	DEC
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	93.5	82.6	58.9	33.7	6.8	73.1	307
	07	100.0	100.0	100.0	99.7	96.4	87.7	68.3	41.4	10.0	75.8	309
	13	100.0	100.0	100.0	100.0	98.7	90.6	72.9	48.1	13.2	77.9	310
	19	100.0	100.0	100.0	100.0	95.5	82.3	59.0	32.6	12.9	73.8	310
	19	100.0	100.0	99.4	89.7	68.7	47.7	31.3	17.7	6.5	61.9	310
	15	100.0	99.7	95.8	90.3	59.7	40.6	27.1	14.5	4.8	57.7	310
	19	100.0	100.0	99.7	96.8	80.6	61.2	38.8	17.8	6.8	66.0	309
	21	100.0	100.0	100.0	99.7	91.5	73.3	52.1	30.0	9.5	71.3	307
TOTALS		100.0	100.0	99.4	95.8	85.4	70.7	51.0	29.9	8.7	69.7	2474

OCEANAV—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

13839	MEMPHIS, TN	73-92	ALL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	96.7	87.9	72.6	54.6	35.0	15.9	71.9	2480
FEB		100.0	100.0	98.8	93.2	83.1	69.3	49.2	29.4	10.0	69.0	2256
MAR		100.0	99.8	97.1	89.0	77.7	63.1	45.1	27.1	8.4	66.4	2480
APR		100.0	99.8	95.9	85.2	71.8	56.3	40.2	23.5	8.4	63.8	2400
MAY		100.0	100.0	97.4	90.5	80.9	66.4	49.8	31.4	6.8	68.0	2480
JUN		100.0	100.0	98.6	91.4	79.0	64.2	46.3	27.3	5.5	66.8	2400
JUL		100.0	100.0	99.8	96.2	85.6	69.6	50.4	30.6	7.9	69.6	2480
AUG		100.0	100.0	99.7	97.9	89.3	73.3	56.3	34.5	11.5	72.0	2480
SEP		100.0	99.9	99.3	96.0	87.6	74.7	58.7	38.3	12.5	72.5	2400
OCT		100.0	100.0	97.9	88.8	77.8	63.4	47.2	27.1	7.3	66.6	2479
NOV		100.0	99.8	97.7	91.0	81.8	68.1	50.8	31.8	8.3	68.7	2400
DEC		100.0	100.0	99.4	95.8	85.6	70.7	51.0	29.5	8.7	69.7	2474
TOTALS		100.0	99.9	98.4	92.6	82.3	67.6	50.0	30.5	9.3	68.8	29209

OCEANAV-SMOS

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23819	MEMPHIS, TN	JANUARY 1973-DECEMBER 1982	JANUARY	
STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						20.0	60.0	20.0		5	.2
67 TO 71					11.8	64.7	23.5			17	.7
62 TO 66	3.2		6.5	8.1	53.2	25.8	1.6	1.6		62	2.5
57 TO 61		1.9	5.7	10.4	44.3	19.8	5.7	7.5	4.7	106	4.3
52 TO 56	5.4	1.3	8.7	10.7	29.5	18.1	12.1	7.4	6.7	149	6.0
47 TO 51	9.4	6.1	6.6	16.0	19.8	13.2	13.2	9.0	6.6	212	8.5
42 TO 46	15.6	7.3	10.3	6.1	17.9	13.0	12.6	6.5	10.7	262	10.6
37 TO 41	16.2	11.6	13.6	7.6	10.3	5.6	8.9	12.3	13.9	302	12.2
32 TO 36	18.1	11.0	13.5	7.6	5.1	4.7	8.6	15.0	16.4	408	16.5
27 TO 31	25.8	14.8	10.6	6.4	5.6	4.2	7.3	12.6	12.6	357	14.4
22 TO 26	32.6	13.5	8.7	5.5	4.8	4.2	8.4	11.0	11.3	310	12.5
17 TO 21	25.0	15.7	9.3	5.2	1.7	4.1	9.3	18.6	11.0	172	6.9
12 TO 16	24.2	6.1	1.5	3.0	1.5	1.5	13.6	21.2	27.3	66	2.7
7 TO 11	50.0	7.1	7.1	3.6	3.6		17.9	10.7		28	1.1
2 TO 6	15.0	10.0	15.0			5.0	25.0	15.0	15.0	20	.8
-3 TO 1		50.0	25.0					25.0		4	.2
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.7	10.0	10.0	7.7	12.8	8.3	9.5	11.5	11.5	2480	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13879 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) FEBRUARY (MONTH) (HOURS LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					50.0	50.0				2	.1
72 TO 76	5.3			5.3	42.1	31.6	10.5		5.3	19	.8
67 TO 71	1.9			3.8	46.2	32.7	5.8	1.9	7.7	52	2.3
62 TO 66	1.8	2.6	.9	2.6	46.5	28.1	7.9	6.1	3.5	114	5.1
57 TO 61	1.3	3.2	5.7	11.5	33.1	23.6	11.5	5.7	4.5	157	7.0
52 TO 56	5.3	3.7	10.1	10.1	28.0	13.2	14.3	9.5	5.8	189	8.4
47 TO 51	12.3	4.1	11.2	11.6	19.0	11.2	11.6	8.7	9.9	242	10.7
42 TO 46	14.1	11.5	11.8	12.6	8.8	5.3	9.9	12.6	13.4	262	11.6
37 TO 41	20.6	10.3	10.3	10.6	7.1	7.1	7.8	14.5	11.7	282	12.5
32 TO 36	26.3	11.3	15.6	5.9	5.6	5.0	6.6	12.5	11.3	320	14.2
27 TO 31	25.5	10.3	12.8	9.0	3.1	2.8	6.9	17.2	12.4	290	12.9
22 TO 26	30.3	20.2	9.6	5.8	3.4	1.0	3.8	10.1	15.9	209	9.2
17 TO 21	27.9	25.6	10.5	4.7			2.3	10.5	18.6	86	3.8
12 TO 16	39.3	14.3	7.1	7.1				10.7	21.4	28	1.2
7 TO 11	60.0						20.0		20.0	5	.2
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 AND LOWER											
TOTALS	17.8	9.7	10.4	8.7	13.9	9.1	8.3	11.2	10.9	2256	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13879 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1992 (YEARS) MARCH (MONTH) _____ (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86					50.0	25.0	12.5		12.5	8	.3
77 TO 81			5.7	2.9	42.9	25.7	11.4	11.4		35	1.4
72 TO 76	1.7	2.6	.9	7.8	53.4	22.4	6.9	1.7	2.6	116	4.7
67 TO 71	1.8	.9	4.0	11.1	44.4	26.7	6.2	2.2	2.7	225	9.1
62 TO 66	2.9	1.8	8.4	12.8	36.1	23.4	7.7	4.4	2.6	274	11.0
57 TO 61	7.3	4.2	10.9	20.2	25.7	10.3	9.7	6.9	4.8	331	13.3
52 TO 56	10.9	8.0	12.5	14.1	18.0	7.7	10.3	10.6	8.0	377	15.2
47 TO 51	16.6	7.2	21.4	9.9	11.4	4.8	7.8	12.7	8.1	332	13.4
42 TO 46	20.5	13.2	15.6	5.6	7.3	2.5	8.0	15.6	11.5	288	11.6
37 TO 41	19.5	14.2	13.0	7.3	3.7	.8	9.8	17.5	14.2	246	9.9
32 TO 36	27.7	18.7	12.7	3.6	1.2	1.2	3.6	15.1	16.3	166	6.7
27 TO 31	18.0	12.0	22.0	2.0	2.0			16.0	28.0	50	2.0
22 TO 26	40.0	26.7	6.7	6.7				13.3	6.7	15	.6
17 TO 21	62.5	6.3		6.3	18.8				6.3	16	.6
12 TO 16	100.0									1	.0
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	12.6	7.8	12.1	10.7	20.4	10.2	8.0	10.1	8.1	2480	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

53479 — STATION
MEMPHIS, TN — STATION NAME
JANUARY 1973-DECEMBER 1982 — YEARS
APRIL — MONTH
HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				25.0	50.0			25.0		4	.2
82 TO 86	6.2		1.5	13.8	38.5	27.7	10.8		1.5	65	2.7
77 TO 81	1.3		5.8	9.1	39.0	29.2	11.0	1.9	2.6	154	6.4
72 TO 76	3.0	4.2	8.4	11.0	35.0	24.1	9.3	3.8	1.3	237	9.9
67 TO 71	5.3	6.7	8.1	9.5	37.9	17.8	7.2	3.1	4.5	359	15.0
62 TO 66	6.1	9.0	15.1	16.7	20.6	9.4	6.8	8.8	7.5	456	19.0
57 TO 61	9.4	14.7	14.7	12.8	13.1	4.7	7.8	10.6	11.9	360	15.0
52 TO 56	14.2	12.2	15.9	11.8	4.7	6.4	9.5	11.8	13.5	296	12.3
47 TO 51	13.1	16.0	15.6	4.5	3.7	3.3	7.0	18.4	18.4	244	10.2
42 TO 46	14.1	14.1	15.6	5.2	1.5	.7	8.9	13.3	26.7	135	5.6
37 TO 41	7.2	7.2	13.0	2.9	1.4	5.8	21.7	10.1	30.4	69	2.9
32 TO 36	19.0	14.3					4.8	14.3	47.6	21	.9
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.2	9.6	12.3	10.9	19.7	11.5	6.5	8.8	10.5	2400	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13979 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) MAY (MONTH) (HOURS LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		12.5	25.0	12.5	12.5		25.0	12.5		8	.3
87 TO 91	3.4	2.3	9.2	9.2	37.9	19.5	8.0	3.4	6.9	87	3.5
82 TO 86	4.3	5.8	4.8	11.5	41.3	15.9	9.1	3.4	3.8	208	8.4
77 TO 81	4.4	5.3	13.4	14.6	22.1	19.3	9.7	6.2	5.0	321	12.9
72 TO 76	7.4	8.8	14.2	14.9	22.5	10.6	7.4	4.3	9.9	444	17.9
67 TO 71	12.3	10.8	18.3	14.7	16.4	6.7	4.9	3.9	11.9	536	21.6
62 TO 66	11.0	12.7	18.5	13.1	11.5	5.4	5.2	6.3	16.2	426	17.2
57 TO 61	14.3	15.9	20.9	8.5	6.2	2.7	5.0	5.0	21.3	258	10.4
52 TO 56	13.8	15.4	16.9	4.6	2.3	4.6	5.4	7.7	29.2	130	5.2
47 TO 51	19.2	13.5	13.5	3.8		1.9	11.5	5.8	30.8	52	2.1
42 TO 46	22.2	22.2	11.1	11.1					33.3	9	.4
37 TO 41									100.0	1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.6	10.2	15.6	12.6	18.0	9.4	6.7	5.0	12.9	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13879 | MEMPHIS, TN | JANUARY 1973-DECEMBER 1982 | JUNE
STATION | STATION NAME | YEARS | MONTH | HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	22.2			22.2	11.1	11.1	22.2	11.1		9	.4
92 TO 96	5.6	2.2	5.6	6.7	28.1	29.2	16.9	3.4	2.2	89	3.7
87 TO 91	3.7	5.1	7.5	10.8	25.4	28.1	13.9	4.1	1.4	295	12.3
82 TO 86	6.2	3.6	10.0	11.1	25.1	21.3	14.0	3.3	5.5	422	17.6
77 TO 81	7.2	9.1	11.0	10.8	24.8	14.3	8.1	5.6	9.1	483	20.1
72 TO 76	8.4	9.8	12.6	17.2	19.9	10.3	4.6	3.8	13.2	522	21.8
67 TO 71	14.9	13.3	13.9	8.8	10.1	6.1	3.5	7.2	22.1	375	15.6
62 TO 66	20.6	10.0	11.9	10.0	2.5		2.5	7.5	35.0	160	6.7
57 TO 61	34.1	9.1	4.5					6.8	45.5	44	1.8
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.5	8.2	11.9	11.6	19.7	14.4	8.2	5.0	12.5	2399	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13879	MEMPHIS, TN	JANUARY 1973-DECEMBER 1982	JULY	
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					28.6	28.6	28.6	14.3		7	.3
97 TO 101	4.3	5.8	4.3		8.7	31.9	39.1	4.3	1.4	69	2.8
92 TO 96	7.0	5.9	7.4	8.3	13.6	27.7	20.7	7.0	2.5	242	9.8
87 TO 91	6.5	9.8	8.9	7.7	17.3	18.0	17.3	8.9	5.8	417	16.8
82 TO 86	7.6	9.4	9.8	10.0	19.4	17.7	9.0	7.0	10.0	458	18.5
77 TO 81	5.3	9.3	12.7	16.4	17.3	10.6	6.0	3.3	19.2	568	22.9
72 TO 76	6.1	8.5	16.9	12.4	15.5	9.2	2.7	1.6	27.0	555	22.4
67 TO 71	11.0	14.2	14.2	7.9	7.9	1.6	2.4	4.7	36.2	127	5.1
62 TO 66	26.7	6.7	10.0	3.3				3.3	50.0	30	1.2
57 TO 61	14.3								85.7	7	.3
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.8	9.0	11.7	10.9	16.0	14.5	9.8	5.0	16.3	2480	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13879 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) AUGUST (MONTH) (HOURS L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	4.3	4.3			4.3	8.7	52.2	17.4	8.7	23	.9
92 TO 96	7.1	4.4	3.5	2.7	19.5	31.0	23.0	6.2	2.7	113	4.6
87 TO 91	8.7	7.0	9.3	8.7	16.8	23.6	16.9	4.2	5.1	356	14.4
82 TO 86	12.7	10.0	9.8	12.5	17.0	15.2	11.3	4.5	7.0	441	17.8
77 TO 81	12.0	9.8	13.0	16.9	18.3	9.8	3.9	2.9	13.4	509	20.5
72 TO 76	8.6	9.9	15.4	16.5	14.7	6.0	1.8	2.1	25.0	605	24.4
67 TO 71	16.9	12.7	21.1	9.6	3.9	2.7	1.8	.6	30.7	332	13.4
62 TO 66	13.9	22.8	12.7	3.8				3.8	43.0	79	3.2
57 TO 61		38.9	16.7	11.1					33.3	18	.7
52 TO 56	25.0								75.0	4	.2
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.2	10.2	11.0	12.6	14.2	11.4	7.5	3.2	16.9	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93839	MEMPHIS, TN	JANUARY 1973-DECEMBER 1982	SEPTEMBER	
STATION	STATION NAME	YEARS	MONTH	HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	14.3		14.3	14.3	14.3	28.6	14.3			7	.3
92 TO 96	10.0	10.0	22.5	7.5	12.5	15.0	12.5	2.5	7.5	40	1.7
87 TO 91	13.6	10.4	7.2	5.6	18.4	20.0	12.0	6.4	6.4	125	5.2
82 TO 86	15.2	11.2	10.0	10.8	15.6	14.8	6.0	4.8	11.6	250	10.4
77 TO 81	15.7	13.7	14.6	12.3	14.8	10.9	5.0	2.5	10.4	357	14.9
72 TO 76	12.4	11.1	17.8	13.4	15.9	6.3	2.7	3.6	16.8	523	21.8
67 TO 71	20.4	11.9	16.6	10.1	8.3	3.1	1.1	5.8	22.9	445	18.5
62 TO 66	23.2	17.9	19.9	6.7	2.0	.7	1.0	5.7	23.2	297	12.4
57 TO 61	27.4	16.5	14.6	2.4	1.4	.5		6.6	30.7	212	8.8
52 TO 56	33.3	11.1	7.8					16.7	31.1	90	3.8
47 TO 51	10.5	23.7	5.3	2.6	2.6		2.6	2.6	50.0	38	1.6
42 TO 46			7.7	7.7				30.8	53.8	13	.5
37 TO 41									100.0	3	.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.0	13.0	15.1	9.3	10.5	6.6	3.2	5.2	19.1	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

23679	MEMPHIS, TN.	JANUARY 1973-DECEMBER 1982	OCTOBER	
STATION	STATION NAME	YEARS	MONTH	HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		5.9		5.9	23.5	29.4	23.5	11.8		17	.7
82 TO 86	2.9		8.6	4.3	32.9	34.3	5.7	4.3	7.1	70	2.8
77 TO 81	2.2	3.7	5.2	14.8	30.4	25.2	10.4	4.4	3.7	135	5.4
72 TO 76	2.4	5.1	6.7	20.9	33.6	13.4	7.9	4.0	5.9	253	10.2
67 TO 71	10.1	5.4	13.3	18.4	20.9	10.8	4.7	5.1	11.4	316	12.7
62 TO 66	12.7	8.0	13.4	15.3	16.5	7.3	5.0	5.0	16.7	424	17.1
57 TO 61	17.6	9.3	15.7	11.8	9.6	4.7	5.5	7.7	18.1	364	14.7
52 TO 56	24.1	9.4	12.9	11.5	5.6	3.8	4.1	6.8	21.8	340	13.7
47 TO 51	23.3	11.3	12.4	6.8	3.0	1.5	5.3	9.8	26.7	266	10.7
42 TO 46	21.8	6.9	10.9	6.9	1.1	1.1	1.7	9.8	39.7	174	7.0
37 TO 41	20.4	8.6	5.4	2.2		2.2	2.2	4.3	54.8	93	3.8
32 TO 36	8.7	17.4	4.3	4.3			4.3	4.3	56.5	23	.9
27 TO 31	25.0		25.0						50.0	4	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.7	7.7	11.7	12.7	14.2	8.1	5.3	6.3	19.3	2679	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13879 STATION | MEMPHIS, TN STATION NAME | JANUARY 1973-DECEMBER 1982 YEARS | NOVEMBER MONTH | HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	5.0				50.0	25.0	5.0		15.0	20	.8
72 TO 76		3.9	1.3	7.9	52.6	27.6			6.6	76	3.2
67 TO 71	3.8	3.2	6.5	14.3	41.9	17.2	3.2	4.3	5.9	186	7.8
62 TO 66	3.3	4.7	9.7	21.4	31.1	11.4	7.0	5.4	6.0	299	12.5
57 TO 61	8.4	7.3	9.9	15.4	21.6	11.0	6.2	8.8	11.4	273	11.4
52 TO 56	12.6	5.8	9.2	15.4	15.4	10.6	8.5	13.3	9.2	293	12.2
47 TO 51	20.0	12.3	12.6	9.7	6.3	6.9	8.6	9.4	14.3	350	14.6
42 TO 46	19.6	16.3	11.9	5.9	4.7	4.5	6.8	9.8	20.5	337	14.0
37 TO 41	19.7	14.8	10.6	6.1	4.9	3.4	9.5	10.2	20.8	264	11.0
32 TO 36	18.6	15.3	7.1	10.4	2.7	3.3	9.3	10.9	22.4	183	7.6
27 TO 31	18.8	7.1	11.8	9.4		1.2	8.2	9.4	34.1	85	3.5
22 TO 26	37.0	7.4		3.7	3.7	7.4	11.1		29.6	27	1.1
17 TO 21	14.3			28.6		14.3		28.6	14.3	7	.3
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.6	9.7	9.6	11.8	15.9	8.8	7.3	8.8	14.5	2400	100.0

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13839 (STATION) MEMPHIS, TN (STATION NAME) JANUARY 1973-DECEMBER 1982 (YEARS) DECEMBER (MONTH)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				33.3	66.7					3	.1
72 TO 76				46.7	53.3					15	.6
67 TO 71				15.6	64.4	17.8	2.2			45	1.8
62 TO 66	2.7		5.5	18.2	51.8	18.2			3.6	110	4.4
57 TO 61	3.2	.6	5.1	15.3	38.9	19.7	10.2	3.8	3.2	157	6.3
52 TO 56	5.2	1.7	5.6	14.7	31.9	22.8	9.1	4.3	4.7	232	9.4
47 TO 51	9.1	5.9	6.5	20.5	23.5	11.7	9.8	9.1	3.9	307	12.4
42 TO 46	15.5	7.1	7.6	9.9	17.3	8.9	12.2	13.2	8.4	394	15.9
37 TO 41	20.3	7.6	14.8	6.5	11.3	6.2	9.0	13.9	10.4	433	17.5
32 TO 36	21.7	10.0	12.2	7.5	6.7	6.7	3.3	11.4	20.6	360	14.6
27 TO 31	27.1	10.2	11.6	9.8	5.3	3.6	3.6	9.3	19.6	225	9.1
22 TO 26	29.1	9.4	6.8	6.8	5.1	1.7	4.3	9.4	27.4	117	4.7
17 TO 21	37.0	7.4	9.3	9.3	7.4	3.7	3.7	5.6	16.7	54	2.2
12 TO 16	52.6	5.3	5.3		5.3			15.8	15.8	19	.8
7 TO 11	50.0	50.0								2	.1
2 TO 6	100.0									1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.2	6.5	9.1	11.5	18.9	9.9	7.4	9.5	11.0	2474	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13893 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 ALL

STATION STATION NAME YEARS MONTH HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					28.6	28.6	28.6	14.3		7	.0
97 TO 101	6.5	4.6	3.7	2.8	9.3	25.0	38.9	7.4	2.8	108	.4
92 TO 96	6.9	5.3	7.7	6.7	17.5	27.2	19.9	5.9	2.8	492	1.7
87 TO 91	6.8	7.5	8.4	8.6	20.6	22.2	15.3	6.0	4.6	1301	4.5
82 TO 86	8.8	7.4	8.9	11.0	23.3	18.3	10.2	4.6	7.5	1922	6.6
77 TO 81	7.8	8.4	11.8	13.8	21.8	14.5	6.9	4.0	11.1	2587	8.9
72 TO 76	7.2	8.4	13.3	14.7	22.2	10.9	4.5	3.0	15.7	3370	11.5
67 TO 71	11.5	9.0	13.4	11.7	20.9	10.0	3.9	4.0	15.6	3015	10.3
62 TO 66	10.1	8.8	13.1	13.3	20.4	9.7	4.9	5.7	14.0	2731	9.4
57 TO 61	11.5	9.4	12.5	12.2	17.7	8.5	6.6	7.3	14.2	2287	7.8
52 TO 56	13.4	7.5	11.4	11.8	15.2	9.7	8.5	9.6	13.0	2100	7.2
47 TO 51	15.3	9.4	12.5	11.0	11.6	7.0	8.8	10.7	13.6	2043	7.0
42 TO 46	17.2	10.9	11.5	7.7	9.6	5.8	9.0	11.7	16.7	1874	6.4
37 TO 41	18.8	10.9	12.3	7.3	7.3	4.8	9.1	12.9	16.9	1693	5.8
32 TO 36	21.7	12.4	12.4	7.0	4.7	4.5	6.3	12.9	18.1	1481	5.1
27 TO 31	25.0	11.7	12.2	7.9	4.2	3.2	6.0	13.1	16.8	1011	3.5
22 TO 26	31.6	14.9	8.3	5.8	4.3	2.8	6.2	10.0	16.1	677	2.3
17 TO 21	29.3	16.1	9.0	6.3	3.0	3.0	6.0	13.7	13.7	335	1.1
12 TO 16	33.3	7.9	3.5	3.5	1.8	.9	7.9	17.5	23.7	114	.4
7 TO 11	51.4	8.6	5.7	2.9	2.9		17.1	8.6	2.9	35	.1
2 TO 6	19.0	9.5	14.3			4.8	23.8	14.3	14.3	21	.1
-3 TO 1		50.0	25.0					25.0		4	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.1	9.3	11.8	10.9	16.2	10.2	7.5	7.4	13.6	29206	100.0

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NOCD, Federal Building
Asheville, N. C.

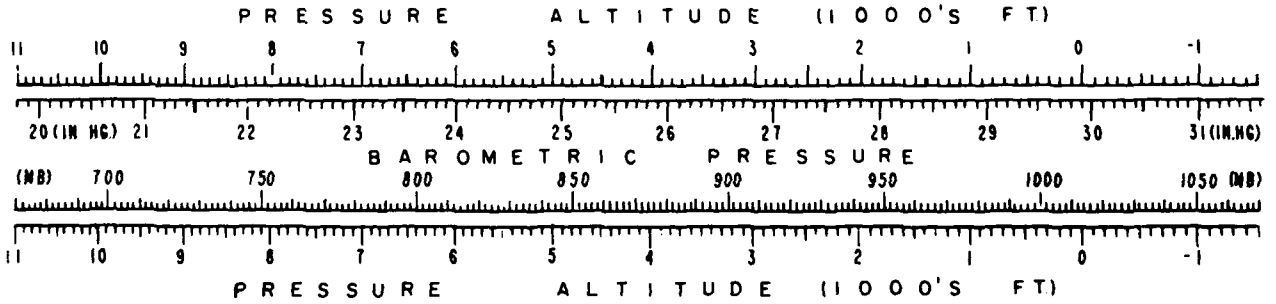
PART F PRESSURE SUMMARY

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

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

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



F

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

[illegible] MEMPHIS, TN 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN	1021.2	1020.4	1016.1	1016.3	1013.9	1015.1	1015.9	1016.8	1016.9	1019.0	1019.9	1020.3	1017.6
	S. D.	7.932	7.967	7.062	5.864	4.475	3.639	2.521	2.537	3.781	4.904	6.000	7.866	6.144
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
03	MEAN	1021.3	1020.2	1015.8	1016.1	1013.6	1015.0	1015.6	1016.6	1016.7	1018.9	1019.8	1020.2	1017.5
	S. D.	7.991	8.006	7.175	5.974	4.637	3.663	2.612	2.571	3.813	5.032	6.090	7.835	6.240
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
06	MEAN	1021.5	1020.7	1016.6	1017.1	1014.6	1016.0	1016.6	1017.6	1017.6	1019.9	1020.5	1020.6	1018.3
	S. D.	8.101	8.054	7.211	6.165	4.804	3.736	2.677	2.590	3.890	5.168	6.165	7.824	6.225
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
09	MEAN	1022.8	1021.9	1017.8	1018.0	1015.3	1016.7	1017.3	1018.3	1018.5	1020.8	1021.6	1021.7	1019.2
	S. D.	8.263	8.199	7.280	6.207	4.847	3.721	2.658	2.610	3.859	5.273	6.320	7.881	6.357
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	1021.9	1021.5	1017.2	1017.4	1014.8	1016.2	1016.8	1017.8	1017.8	1019.8	1020.4	1020.7	1018.5
	S. D.	8.347	8.100	7.190	6.082	4.657	3.616	2.611	2.518	3.828	5.135	6.395	7.817	6.247
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	1020.5	1019.6	1015.3	1015.8	1013.4	1014.8	1015.2	1016.1	1016.1	1018.2	1018.9	1019.3	1016.9
	S. D.	8.336	7.998	7.073	6.024	4.436	3.540	2.655	2.545	3.817	4.967	6.374	7.792	6.187
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	1021.0	1019.8	1015.2	1015.4	1012.8	1014.1	1014.7	1015.7	1016.0	1018.4	1019.4	1019.8	1016.8
	S. D.	8.164	7.900	7.054	5.912	4.347	3.511	2.644	2.527	3.821	4.867	6.262	7.845	6.272
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
21	MEAN	1021.4	1020.4	1016.0	1016.3	1013.8	1015.0	1015.7	1016.8	1017.0	1019.2	1019.9	1020.3	1017.6
	S. D.	8.118	7.807	7.063	5.875	4.359	3.596	2.522	2.502	3.792	4.853	6.211	7.721	6.167
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	1021.5	1020.6	1016.2	1016.6	1014.0	1015.4	1016.0	1017.0	1017.1	1019.3	1020.0	1020.4	1017.8
	S. D.	8.172	8.027	7.179	6.062	4.631	3.710	2.731	2.676	3.902	5.084	6.266	7.840	6.275
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2479	2400	2474	29209

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

53839 MEMPHIS, TN 73-82

STATION STATION NAME YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.827	29.805	29.683	29.694	29.626	29.664	29.688	29.715	29.715	29.773	29.795	29.802	29.732
	S. D.	.228	.228	.203	.169	.130	.108	.074	.076	.108	.140	.172	.228	.176
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
04	MEAN	29.830	29.799	29.674	29.688	29.617	29.661	29.678	29.707	29.710	29.771	29.792	29.802	29.727
	S. D.	.230	.229	.206	.172	.135	.108	.076	.076	.109	.144	.175	.227	.179
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
07	MEAN	29.835	29.814	29.699	29.716	29.647	29.689	29.708	29.735	29.735	29.796	29.809	29.810	29.749
	S. D.	.233	.231	.208	.178	.140	.111	.078	.077	.111	.148	.178	.226	.178
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
10	MEAN	29.874	29.849	29.733	29.743	29.668	29.710	29.729	29.757	29.760	29.825	29.843	29.844	29.778
	S. D.	.238	.235	.210	.179	.141	.110	.078	.078	.111	.152	.181	.228	.182
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.849	29.836	29.717	29.726	29.653	29.696	29.715	29.742	29.740	29.796	29.811	29.816	29.758
	S. D.	.240	.232	.207	.176	.136	.107	.076	.075	.110	.148	.185	.226	.179
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.806	29.782	29.661	29.678	29.611	29.653	29.669	29.693	29.691	29.748	29.765	29.775	29.711
	S. D.	.240	.229	.204	.174	.129	.105	.078	.075	.110	.143	.184	.225	.178
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.819	29.787	29.658	29.665	29.595	29.635	29.654	29.680	29.687	29.753	29.778	29.787	29.708
	S. D.	.235	.225	.202	.170	.126	.104	.077	.075	.110	.140	.181	.227	.180
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3650
22	MEAN	29.8[illegible]	29.804	29.680	29.693	29.623	29.661	29.683	29.715	29.718	29.777	29.796	29.803	29.731
	S. D.	.233	.223	.203	.170	.127	.106	.074	.074	.109	.140	.179	.223	.177
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	29.834	29.809	29.688	29.700	29.630	29.671	29.691	29.718	29.720	29.780	29.798	29.805	29.737
	S. D.	.235	.230	.207	.175	.135	.110	.080	.079	.112	.146	.181	.227	.180
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2479	2399	2474	29208

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