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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 599

STATION: #93901 Dallas, TX
PERIOD: HOURLY 1/73-12/82
DAILY 3/45-12/82

JOB NO. 72006 DATE August 1984

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

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface Dallas, TX (SMOS)		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
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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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STATION NO OR SUMMARY 93901	STATION NAME Dallas, Texas	LATITUDE 32°44'N	LONGITUDE 96°58'W	STATION ELEV (FT) 495	CALL SIGN KNBE	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF STATION 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	USN	1949	1957	32°44'N	96°58'W	469	Tonnelot	Var
2.	" " "	"	1957	1967	"	"	"	"	24
3.	" " "	"	1967	1969	"	"	"	"	24
4.	Removed November 1969								
1a.	Weather service office	"	1961	1967	"	"	474	Aneroid	24
1b.	" " "	"	1967		"	"	"	"	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 building 20	Unknown	Unknown	75'	1. Barograph (ML-3) 2. Auto Met station (AN/GMQ-29) 3. Cloud height set (AN/GMQ-13) 4. Transmissometer (AN/GMQ-10C) 5. Ceiling light (ML-121)
2.	1961	1600 feet northwest of weather service office, adjacent to runway 17-35	AN/UMQ-5	RD-108	10'	
3.	1966	500 feet east of center line of runway 17-35 and 350 feet southwest of center line of taxiway #3	"	RD-108B	15'	
4.	1975	500 feet east of center line of runway 17 - 35	"	RD-447/ GMQ 29	18'	

NWSD, Federal Building
Asheville, N.C.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

Blowing snbw - 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.

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WEATHER CONDITIONS

STATION

STATION NAME

4-3

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM 1951 TO 1954

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.
	101.7	7.2	34.4	7.4	2.1	.3	74.2	7.6	14.2	.4	1.4	41.7	474
	7.2	30.6	2.4	.1	.4	.4	75.1	7.2	16.0	.1	2.7	30.3	714
	17.4	24.7	.7	.1	2.4	.5	76.7	7.2	14.4	.1	.4	74.7	1074
	11.1	47.4	.1	.1	.1	1.4	81.4	7.4	16.1	.1	2.7	34.4	424
	7.1	42.1	.1	.1	.1	.1	71.2	1.4	16.4	.1	.1	7.4	1074
	1.7	7.4	.1	.1	.1	.1	71.3	.4	17.1	.1	.1	17.4	474
	1.4	25.4	.1	.1	.1	.1	74.4	.4	1.7	.1	.1	11.1	474
	1.4	76.1	.1	.1	.1	.3	76.1	1.1	15.4	.1	.1	7.1	1071
	10.1	72.4	.1	.1	.1	.1	76.4	7.1	16.4	.1	.4	71.7	1071
	.1	7.4	.1	.1	.1	.1	71.4	7.4	16.1	.1	.1	71.7	1074
	1.7	71.4	.1	.1	1.1	.3	76.2	7.4	13.4	.1	.1	71.4	474
	1.0	12.4	1.4	1.1	1.1	.1	71.4	21.7	11.4	.1	1.4	34.4	474
TOTALS		1.7	2.4	1.1	1.1	.3	72.4	7.4	14.4	.1	1.7	7.4	11074

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WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-10 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1		8.1	.6	1.6		10.3	11.2	.3	.7		11.7	712
	9	1.0	9.2	1.5	1.6		12.2	14.5	.3			18.3	712
	25		7.1	2.3	1.7		10.6	11.5	.			15.4	712
	29		7.7	1.9	.6		10.3	24.2	2.9			16.3	712
	12	.6	8.4	1.9	2.9		12.4	11.2	1.1		.3	14.4	712
	18		8.7	.6	1.6		10.6	10.9	1.2			13.9	712
	17	1.0	7.1	1.9	1.9		9.7	10.2	2.4		.2	14.5	712
	21	.3	9.4	1.6	1.9	.7	11.5	10.4	1.2		.2	11.6	712
TOTALS		.4	8.2	1.9	1.6	.9	11.0	14.5	1.3	.2	.1	15.7	2421

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WEATHER CONDITIONS

7301 TALLAS, TX 73-00 1954
 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.
FEB	00		6.4	.7	2.1		7.4	7.4			.7	8.3	20
	01	.7	7.1	1.1	2.0		9.6	11.2	.7		.7	17.1	20
	04		5.7	1.1	3.0		9.6	11.6	.7		1.1	16.7	20
	07	.4	7.1	.7	3.2		10.5	20.7	6.4		.7	31.1	20
	10		7.4	1.1	2.1		9.6	12.0	3.1	.4	.4	17.0	20
	13		6.4	.7	.7		7.8	11.2	2.1			13.1	20
	16		5.7	.4	.7		6.8	11.4	2.1		1.1	13.0	20
	21	.7	4.6	.7	.7		5.7	11.4	.4		.7	7.1	20
TOTALS		.2	6.2	.8	1.9		8.3	12.9	2.7	.1	.7	15.0	220

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WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 77-02 YEARS 5 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.
	01	1.3	5.6				5.6	2.8				2.8	71
	02	.0	5.7				5.7	2.4				2.4	71
	03	1.6	10.0		.7		12.3	10.0	.7			11.4	71
	04	1.6	9.0	.2	.9		9.7	10.0	4.5			14.5	71
	05	.3	5.5				5.7	5.7	2.3			8.0	71
	06	1.7	6.6		.8		8.5	6.6	2.3		.3	9.2	71
	07	1.3	4.2				5.5	7.0	1.8		1.0	8.8	71
	08	2.3	5.6				7.9	7.0			1.0	8.0	71
TOTALS		1.3	4.2	.2	.9		6.6	6.9	1.4		.3	8.7	2401

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WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-00 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATION

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	01	1.3	6.7				6.7	2.7			.7	7.2	100
	02	1.3	5.3				6.6	4.7	.3			6.0	100
	04	1.3	7.3				7.7	11.0	4.7		.7	16.0	100
	09	.3	7.3				7.0	1.7	7.0			16.0	100
	12		6.7				6.7	1.3	7.3			7.0	100
	17	.7	5.0				5.7	2.7	7.0		.7	4.7	100
	18	7.0	6.7				6.7	4.7	2.3		1.0	7.7	100
	21	7.7	6.7				6.7	1.7	1.7		.3	4.7	100
TOTALS		1.3	6.4				6.2	3.4	2.4		.3	7.4	240

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WEATHER CONDITIONS

STATION 24791 DALLAS, TX STATION NAME 73-02 YEARS 4 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	2.6	4.5				4.5	1.0				1.6	310
	01	3.9	8.1				8.1	4.0				4.0	310
	02	2.9	8.7				8.7	24.0	8.7			21.4	310
	03	1.6	7.1				7.1	7.4	7.4			13.8	309
	04	3.9	5.4				5.4	2.3	4.5			6.8	310
	05	1.6	5.8				5.8	1.8	3.2			4.5	310
	06	3.2	4.8				4.8	1.2	2.4			3.6	310
	07	5.5	6.0				6.0	2.0	1.3			1.7	310
TOTALS		3.2	6.5				6.5	2.5	3.1			5.4	2479

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WEATHER CONDITIONS

STATION

DALLAS, TX

STATION NAME

73-42

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	2.7	4.0				4.0						300
	01	4.0	5.0				5.0	1.3				1.3	300
	04	7.3	5.0				5.0	7.3	6.7			12.3	300
	07	2.3	3.7				3.7	1.3	3.7			5.0	300
	10	1.0	3.7				3.7	.7	1.7			2.3	300
	13	1.0	2.3				2.3	.3	.3			.7	300
	16	2.3	2.3				2.3		.3			.3	300
	21	2.3	3.0				3.0		.3			.3	300
TOTALS		2.4	3.2				3.6	1.4	1.6			2.8	2400

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WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-22 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.6	2.9				2.9		1.7			1.7	304
	02	.6	2.3				2.3	.3	1.5			1.6	310
	03	1.0	1.5				1.6	2.6	6.1			7.7	317
	04	.3	2.6				2.6	1.0	4.2			5.2	317
	12	.3	2.3				2.3	.3	2.1			2.9	310
	13	2.3	2.6				2.6	.3	1.6			1.9	310
	14	4.2	5.7				5.2	.6	2.6			3.2	310
	01	2.6	3.5				3.5	.3	1.3			1.6	310
TOTALS		1.6	2.9				2.9	.7	2.6			3.2	2470

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WEATHER CONDITIONS

1951 DALLAS, TX 1951 SEP
STATION STATION NAME YEAR 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	HALE	% 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	01	0.3	5.7				5.4	1.3	1.3			2.7	300
	02	0.7	6.3				4.3	4.0	1.7			5.0	300
	03	0.3	7.7				7.7	13.3	9.0			26.0	300
	04	1.0	8.7				8.7	17.0	12.0			19.7	300
	05	0.3	5.3				5.7	3.3	7.7			10.7	300
	06	0.7	4.7				4.7	1.7	3.3			5.7	300
	07	0.7	5.7				6.7	1.7	3.7			5.0	300
	08	1.3	6.3				6.3	2.7	1.3			4.0	300
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
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	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		0.7	6.3				6.3	4.3	5.0			9.0	2400

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WFO 2025-04321

WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 72-00 YEARS 80 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	20	.6	1.3				1.5		.3			.3	210
	03	1.0	1.3				1.3	.3	.3			.6	210
	06	1.3	2.6				2.6	4.2	14.2			16.1	210
	09	.6	3.2				3.2	1.3	6.1			9.4	210
	12	.3	2.3				2.3	.3	3.0			4.2	210
	15	1.3	1.9				1.9		1.6			1.6	210
	18	1.6	2.6				2.6		1.9			1.9	210
	21		1.3				1.3	.3	.6			.6	210
TOTALS		.8	2.1				2.1	.9	3.9			4.3	2460

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WEATHER CONDITIONS

77901
STATION

DALLAS, TX
STATION NAME

73-72
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.
OCT	02	1.3	5.5				5.5	1.3				3.8	710
	03	.6	4.5				4.5	3.0				3.0	710
	04	1.0	6.5				6.5	2.4	1.0			9.0	710
	05	1.0	6.5				6.5	2.0	5.6			12.9	710
	12	.3	5.0				5.5	2.9	1.7		.3	3.2	710
	14	.3	4.5				4.5	3.3	.6			2.9	710
	18	1.3	4.5				4.5	2.0	1.3			3.3	710
	21	.6	3.2				3.2	2.3	.6			2.6	710
TOTALS		.8	3.1				5.1	4.3	1.4		.3	5.4	2480

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107 2036 54321

4

WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-32 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	00	.7	5.7		.3		5.7	0.0				6.7	100
	03	.3	6.7		.3		7.3	0.0				6.2	100
	06	.7	7.3				7.3	12.7	.3			13.0	100
	09		6.7				6.7	17.7	4.7			21.3	100
	12		5.7		.3		6.0	9.0	2.0			11.0	100
	15	.3	5.3		.7		6.0	1.3	2.0			6.0	100
	18	.7	5.7	.3			6.0	0.7	1.7			6.7	100
	21		4.7				4.7	1.7	.3			3.7	100
TOTALS		.7	5.7	.3	.7		6.2	3.7	1.4			5.8	2400

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4

WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 73-32 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00		5.8	.3	.7		6.8	7.4	.6		.3	6.1	717
	03	.6	5.3	.6	.3		6.8	8.1	.6		.3	9.7	717
	06	.3	7.1		.7		7.4	7.4	.3		.3	4.4	717
	09		6.3				6.7	12.3	4.6			15.6	310
	12	.3	7.4		.7		7.4	7.7	2.6			17.7	617
	15		5.2	.7	.7		6.6	7.1	3.5		.3	10.3	717
	18		5.2				5.2	7.1	2.6		.6	10.6	709
	21		5.8	.3			6.1	6.6	.7		.3	7.4	709
TOTALS		.2	6.7	.7	.2		6.5	6.2	1.8		.3	1.0	2471

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1671 2036 8421

4

WEATHER CONDITIONS

STATION DALLAS, TX STATION NAME 77-11 YEARS ALL 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	811	.4	3.2	1.4	1.5	.2	11.2	14.3	1.2	.1	.1	10.2	2430
FEB		.2	6.2	.8	1.8		8.2	12.1	2.1	.1	.2	11.1	2250
MAR		1.3	6.5	.2	.1		6.3	4.2	1.4		.4	5.7	2420
APR		1.2	5.2				5.2	2.9	2.4		.3	4.4	2410
MAY		5.2	6.2				8.2	1.2	2.1			6.4	2470
JUN		2.4	3.2				3.2	1.4	1.6			2.8	2410
JUL		1.6	2.2				2.2	.7	2.2			3.2	2470
AUG		.8	2.1				2.1	.8	1.2			4.3	2420
SEP		.7	6.1				5.2	4.1	2.1			6.2	2420
OCT		.5	5.1				3.1	3.2	1.4		.2	5.4	2410
NOV		.3	5.2	.2	.2		6.2	3.7	1.4			2.8	2420
DEC		.2	6.2	.2	.2		5.5	2.2	1.5		.2	10.0	2473
TOTALS		1.1	5.5	.2	.3	.2	5.2	4.2	2.4	.2	.2	5.4	25212

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4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAS, TX 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 DUST	% WEATHER
N	4.3	.6	6.8	2.5	.3	1.6			12.4		.6			42.3
NNE	3.7	.9	6.4	4.6	.9	5.5		.9	21.1		.9			73.4
NE	11.0		13.2	1.3	1.3				23.7		1.3			71.1
ENE	10.5	2.1	14.9	10.6	4.3	4.3		2.1	36.2					51.1
E	11.0	1.3	12.8	2.6					17.9		3.8			65.4
ESE	5.0		4.3						27.5		5.8			66.7
SE	1.1	1.1	7.8	1.1					16.7	2.2				78.9
SSE	3.0	1.5	2.1		.5			.5	12.4	.5	1.5			82.0
S	1.0	.9	.9	.3		.3		.3	8.7	.6	1.8			87.0
SSW	2.0	.6							4.3		1.2			91.5
SW	3.0	1.9							3.0				1.9	90.4
WSW	2.0	2.4			2.4		2.4	2.4	9.5		2.4			83.3
W	2.5	1.8	1.8	1.8	1.8				14.5		3.6		1.8	74.5
WNW	2.7	2.7	5.3	1.3		2.7		1.3	16.0					81.3
NW	3.2	3.2	4.8	1.1	1.6	2.7		1.6	16.1	.5	.5			78.5
NNW	2.0	1.8	3.6	2.2	.4	2.2			11.0		.7	.4		85.0
VARIABLE														
CALM	2.7	.6	4.9	1.5	.3	.3			16.5	1.0	1.6			72.0
TOTAL	77	21	112	36	13	28	1	9	351	9	33	1	2	1998
% TOTAL	3.1	1.3	4.5	1.5	.5	1.1	.0	.4	14.2	.4	1.3	.0	.1	80.6

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

TALLAS, TX JANUARY 1973-D DECEMBER 1982 FEBRUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING ICE AND SNOW	OTHER WEATHER
N	7.7	.4	4.5	1.8	.9	2.7			7.2		3.1			74.9
NNE	7.5		3.8	1.3	2.5	3.8			17.7		5.1			73.4
NE	14.7	2.1	4.3	4.3	6.4	6.4		2.1	23.4		4.3			56.6
ENE	7.7		11.5	11.5	3.8				7.8					69.2
E	12.7		8.8	7.5	2.5	5.0			23.6		1.3			69.8
ESE	3.1	2.6	6.4		1.3			1.3	14.1	1.3	3.8			76.9
SE	3.1	1.0	4.0					1.0	10.2	2.0	1.0			78.3
SSE	2.1		.6		.6				10.0	.0	3.3			84.4
S	1.2		1.4						7.3	.5	.9			92.8
SSW	.0	.6	1.2						4.3					91.1
SW	1.0								1.1	1.5	1.6			93.0
WSW	3.7		3.6						.1					95.7
W	3.7	1.2	1.2			1.2		1.2	4.9	1.2			1.2	85.2
WNW	3.2	1.1	1.1		1.1	3.2			7.4					87.7
NW	7.0	3.0	1.2		.6	.6		.6	12.7		1.2			43.1
NNW	2.1	.4	1.3	.9	2.2	3.1			14.5		4.4	.4		78.1
VARIABLE														
CALM	2.7		2.6						14.1	1.1	2.6			86.7
TOTAL	73	14	56	18	19	28		5	281	10	46	1	1	1499
% TOTAL	2.7	.6	2.5	.8	.8	1.2		.7	12.5	.4	2.0	.0	.0	62.4

TOTAL NUMBER OF OBSERVATIONS 2,250

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAH, FLA

JANUARY 1973-DECEMBER 1982

YEAR

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	BLUING	BLUING	%
N	.0	3.1	1.6	.5	.5	.5		2.6	3.1			2.1		48.1
NNE	3.0	5.3	2.5					2.3	5.7			3.9		82.0
NE	.0	5.9	3.9					3.9	13.7					76.5
ENE	1.1	5.8	1.4						7.2	1.4	4.3			76.4
E	1.7	4.7	1.9					.9	14.0	.9	4.7			77.4
ESE	6.7	7.6	3.1					3.1	15.3		3.1			74.8
SE	1.7	5.8	1.5					1.5	15.3	.7	1.5			76.6
SSE	2.4	2.4	3.1					1.0	5.4		1.4			85.4
S	1.0	1.6	.8					.4	4.7	.2	.4			82.5
SSW	1.2	1.2	.6					1.0	5.5	.6	.6			90.7
SW		1.6						3.1	4.7		1.6			85.9
WSW		4.7								2.0				87.0
W		1.3						1.3	2.6				1.3	87.0
WNW	1.7	2.4						3.5	2.4					91.0
NW	3.7	3.6			.9			7.2	2.7					88.7
NNW	.9	.9	.5						7.3		.9			84.9
VARIABLE														
CALM														
TOTAL	57	72	71	1	2	1		42	164	8	34		1	2155
% TOTAL	3.3	2.9	1.3	.0	.1	.0		1.7	6.6	.3	1.4		.0	46.9

TOTAL NUMBER OF OBSERVATIONS

2,450

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4431-5421

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION ALLAS, TX 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	% WEATHER
N	1.4	4.7	2.7					1.4	1.1	1.4	1.4			21.8
NNE	3.3	4.4	2.2						7.7	2.2	2.2			23.3
NE		5.6							13.9					27.3
ENE	4.0	4.0						4.0	12.0					24.0
E	2.0	8.4						.9	10.3		.9			21.7
ESE		5.4	.8					.8	6.2		6.2			26.9
SE	2.9	5.8	1.9					4.3	7.2	.5	6.3			27.9
SSE	2.2	3.3	1.1					.5	5.2	.5	2.5			28.5
S	.7	2.9	.8					1.4	2.9	.2	2.2			21.2
SSW	2.2	2.2	.7					1.4	5.0		1.4			29.9
SW		6.1						2.0	10.2		2.0			21.6
WSW		13.6						13.6	4.5		4.5		2.1	68.2
W	1.0	1.8							3.6				1.0	29.1
WNW	1.3	3.9							1.3	1.3	1.3		1.3	25.9
NW			.9						1.7					27.0
NNW	2.1	3.5						.7	5.0	.7	2.1		.7	29.4
VARIABLE														
CALM	2.2	1.1							4.5	1.7	2.2			22.4
TOTAL	4	87	21					32	129	13	59		5	2007
% TOTAL	1.7	3.7	.9					1.3	5.4	.5	2.4		.2	27.4

TOTAL NUMBER OF OBSERVATIONS 2047

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4431-54321

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAS, TX 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 PELETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0	6.8	1.5					5.3	6.1		1.5			44.1
NNE	2.3	8.1						9.3	3.5		4.7			52.8
NE	2.3	7.0						4.7	2.3		2.3			86.0
ENE	2.0	10.2						8.2	4.1		4.1			79.6
E	2.5	6.8						1.7	8.5		15.3			72.0
ESE	2.1	3.5	.7					2.8	6.4		9.2			79.4
SE	1.0	2.1	1.6					1.6	5.3		3.7			88.5
SSE	.5	3.2						3.2	3.2	.3	2.1			90.0
S	.2	2.0	.3					.7	3.4	.3	3.7			91.4
SSW	2.5	7.4						3.3	8.2					82.0
SW		2.4						9.4						90.6
WSW														100.0
W	2.3	2.3	2.3					7.0	4.7					90.7
WNW	2.0	4.1						8.2	4.1					85.7
NW	2.2	10.9	1.1					6.5	8.6	1.1				80.6
NNW	.8	9.0	1.6					4.1	7.4	.3	1.6			83.4
VARIABLE														
CALM	3.4	6.2	.5					2.8	9.5	.7	3.3			72.0
TOTAL	34	113	14					78	129	7	88			2137
% TOTAL	1.4	4.6	.6					3.1	5.2	.3	3.5			86.2

TOTAL NUMBER OF OBSERVATIONS 2,479

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4331 (4-52)

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAS, TX STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MONTH JUNE 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	% WEATHER
N	5.6	7.9						5.6	3.4					85.4
NNE	1.7	1.7						3.4	5.1		3.4			89.8
NE	3.7	1.9						5.6	1.9		7.4			85.2
ENE	1.7	3.4						1.7	1.7		6.9			87.9
E		3.3						3.3	1.7					92.5
ESE	.7	5.7	.7					1.4	.7		5.0			88.7
SE	3.2	3.3						3.3	1.6	.5	2.7			89.6
SSE	.7	1.2						1.4	.3		.9			97.1
S	.4	.7						1.1	.2	.1	.9			97.3
SSW	.7	1.7						1.7	1.1		1.7			94.9
SW		2.9						2.9						97.1
WSW	1.3	4.2						16.7		4.2				79.2
W									7.7		7.7			72.3
WNW		11.1						11.1						83.3
NW	1.7	10.0						16.7	6.7					76.7
NNW	2.9	4.4						2.9	4.4					89.7
VARIABLE														
CALM	1.4	4.3						2.1	2.1	1.4	1.4			90.4
TOTAL	22	58	1					57	28	5	39			2243
% TOTAL	1.2	2.4	.0					2.4	1.2	.2	1.6			93.5

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

DALLAS, TX

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	1.1	14.6	5.3					10.4	10.4		4.2			73.8
NNE		2.4						2.4	4.8		7.1			87.3
NE		7.7						2.6		2.6	7.7			82.1
ENE	3.7	5.6						7.4			13.0			75.9
E		6.4						5.6	.8		8.0			85.6
ESE	.7	1.5						2.2	.7		7.4			88.1
SE	.1	1.5	.4					1.2	.4	.8	1.5			95.0
SSE	.7	.5	.2					.7			.5			97.8
S		1.3	.1					.6			1.0			97.1
SSW		.7						.7			1.0			97.6
SW		1.5									1.5			97.0
WSW	7.4	3.4												93.1
W	4.7	4.8						4.8						90.5
WNW		20.0						10.0						80.0
NW								5.3						94.7
NNW		9.1						9.1						86.4
VARIABLE														
CALM														
TOTAL	13	52	6					40	11	6	65			2322
% TOTAL	.5	2.1	.2					1.6	.4	.2	2.6			93.7

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

4431-10321

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 579 DALLAS, TX STATION NAME DALLAS, TX YEARS JANUARY 1973-DECEMBER 1982 MONTH AUGUST

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	% WEATHER
N		5.6						1.4	4.2		5.6			48.7
NNE	3.0	5.7						3.0	3.8		7.5			61.1
NE	2.7	4.3						2.2	8.7		6.7			75.3
ENE	3.0	5.4						3.6	3.6		7.1			93.9
E		1.2						1.2	1.2		4.8			93.4
ESE									.5		3.9			95.6
SE		1.5						1.1			3.7			95.1
SSE	.7	.7						.7	.5		2.7			96.3
S	.5	.5						.7			1.6			97.7
SSW		1.4						.5			2.3			95.9
SW	2.5										2.5			95.7
WSW		9.1						4.5						92.9
W	7.1	7.1												85.7
WNW	2.2								11.1					77.8
NW		15.8						5.3			5.3			78.9
NNW								2.3	2.3		9.1			88.6
VARIABLE														
CALM		1.7						.7	1.7		11.3			85.7
TOTAL	14	37						21	22		95			231.2
% TOTAL	.7	1.5						.8	.9		3.9			93.5

TOTAL NUMBER OF OBSERVATIONS 2,483

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

431-04021
4
STATION: DALLAS, TX STATION NAME: JANUARY 1973-DECEMBER 1982 SE-TEMBER 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	4.0	2.1	2.5					.4	9.2	.4	6.7			78.7
NNE	15.2	6.4	2.4					2.4	9.6		5.6			69.6
NE	14.5	2.0						2.0	9.9	3.5	5.9			74.3
ENE	5.7	1.1							9.2		11.5			78.2
E	3.4	2.0						1.3	4.0	.7	7.4			86.6
ESE	1.3	1.7	.6						3.8	1.3	2.5			91.7
SE	1.0	1.0						.5	.5	1.0	5.4			91.2
SSE	.7	2.1	.3					1.0	1.4	.7	2.4			93.0
S	.3	1.9						.3	.5		2.1			95.3
SSW	.0	1.7						.8		.6	4.1			92.6
SW		5.7						2.9	2.9		2.9			91.4
WSW									11.1		11.1			77.8
W	6.7	20.0						6.7						73.3
WNW	14.3	4.8							4.8					81.0
NW	7.3	2.1								6.3	10.4			77.1
NNW	4.1	.8	3.3						7.4	.8	8.2			80.3
VARIABLE														
CALM	1.4	1.0	.3						1.4	1.7	5.7			84.5
TOTAL	96	50	16					16	93	21	119			2085
% TOTAL	3.0	2.1	.7					.7	3.9	.9	5.0			86.9

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAS, TX

JANUARY 1973-DECEMBER 1982

MONTH

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	% WEATHER
N	7.7	2.6						1.0	4.1				.5	89.7
NNE	4.7	4.7	7.1						10.6					83.5
NE	10.3	1.7						1.7	8.6		1.7			79.3
ENE	7.7	3.8						1.9	7.7					84.6
E	.7	.9							3.7		1.8			93.0
ESE	2.4	3.1						1.6	3.9	.6	3.1			86.6
SE	1.1	2.6	.5					1.0	3.2		1.6			91.7
SSE	1.1	1.1						.4	2.6	.4	2.5			92.9
S	1.7	1.9	.2					.4	3.3	.6	1.7			92.3
SSW	1.7	.6						1.7	3.5		.6			93.6
SW		3.0							4.5		1.5			93.9
WSW		5.6												94.4
W	6.5	3.2						6.5		3.2	3.2			87.1
WNW	7.5	2.5							5.0	2.5	2.5			87.5
NW	1.7	2.6						2.6		1.3				93.4
NNW	3.4	1.5	1.5						1.5					93.2
VARIABLE														
CALM	1.7	1.4						.5	4.9	.5	1.7			91.1
TOTAL	56	50	10					20	97	10	35		1	2257
% TOTAL	2.7	2.0	.4					.9	3.9	.4	1.4		.0	91.0

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

4431-54321

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION TALLAS, TX

JANUARY 1973-DECEMBER 1973 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	5.4	2.1	3.0			.9			12.4		1.7			81.1
NNE	7.7		1.3	1.3				1.3	15.8		2.6			76.3
NE			5.7						14.3		5.7			85.7
ENE			15.8						21.1					78.9
E	8.3	3.3	6.7					3.3	20.0		6.7			66.7
ESE	3.7	1.2	1.2						11.1					86.9
SE	3.1		3.9						12.5		1.6			85.2
SSE	2.4	2.4	.8						7.3		.8			88.7
S	1.4	.7	.5					.2	7.5	.2	1.2			90.1
SSW	.7								2.4	.6	.6			96.4
SW		1.7							3.4					94.9
WSW	2.4							2.4						97.6
W	6.4	10.2	1.7					5.1	3.4					81.4
WNW	2.2	6.5	3.2						7.5					88.2
NW	3.4	.7	2.7			.7			7.5		1.4			89.1
NNW	2.0	.5	2.1		.5	1.7			6.2		2.6			88.7
VARIABLE														
CALM	1.7	.6	.6						6.5		1.2			98.4
TOTAL	69	34	44	1	1	5		6	206	2	33			2098
% TOTAL	2.7	1.4	1.8	.0	.7	.2		.3	8.6	.1	1.4			87.4

TOTAL NUMBER OF OBSERVATIONS

2,000

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION DALLAS, TX

JANUARY 1973-DECEMBER 1982

DECEMBER

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 SN V	BLOWING SAND AND DUST	% WEATHER
N	3.3	2.1	3.8		.4			.4	8.3		3.3			84.2
NNE	6.0	4.5	3.0			1.5		1.5	11.9		6.0			73.1
NE	20.7		10.3						31.0		10.3			58.6
ENE	16.1	3.2	16.1						35.5		9.7			53.1
E	6.0	8.0	6.0						18.0		4.7			70.0
ESE	3.0	3.0	2.0						10.4		3.0			77.6
SE	2.0		4.6						9.2		2.8			48.1
SSE	.9	.9	2.7					.5	7.8	.9	3.2			48.1
S	.9	.9	.9						5.1	.4	1.8			91.6
SSW		.4	.4						2.2		.4			97.4
SW									1.1				1.5	93.8
WSW		2.0												95.9
W	1.2		1.2						2.4		1.2		1.2	91.0
WNW	1.1	2.2	4.4		1.1			1.1	5.6	1.1				88.9
NW	2.4		3.0	.6					1.5		1.2			91.7
NNW	.9	.9	5.2	1.6	.4	.4			11.2	.4				82.3
VARIABLE														
CALM														78.2
TOTAL	45	27	69	5	7			4	196	7	48		2	2176
% TOTAL	2.7	1.5	2.7	.2	.1	.1		.2	7.9	.3	1.9		.1	87.8

TOTAL NUMBER OF OBSERVATIONS

2,476

NAVWEASERVCOM

4431-54321

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

ALLAM, TX

JANUARY 1973-DECEMBER 1982

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	4.0	3.0	3.1	.6	.2	.7		1.4	7.4	.1	2.4		.0	42.1
NNE	5.7	3.8	2.7	.7	.3	1.1		2.2	1.3	.2	3.8			78.4
NE	1.1	2.9	3.1	.5	.7	.5		2.1	12.4	.7	4.4			76.4
ENE	5.3	3.9	3.6	1.3	.5	.3		2.4	11.7	.2	5.3			77.1
E	3.0	3.7	2.0	.6	.2	.3		1.7	8.3	.2	5.1			61.6
ESE	2.2	3.0	1.6		.1			1.2	7.1	.3	4.6			85.1
SE	1.4	2.3	1.6	.0				1.5	5.5	.5	2.9			97.8
SSE	1.3	1.7	.8		.1			.9	4.2	.3	1.9			91.3
S	.7	1.3	.4	.0		.0		.5	3.1	.2	1.6			93.5
SSW	.7	1.3	.2					.9	2.7	.1	1.1			93.6
SW	.5	2.4						1.3	3.2	.2	1.1		.3	91.9
WSW	1.6	3.5	.3		.3		.3	2.7	2.1	.5	.9		.5	89.9
W	3.3	3.1	.9	.2	.2	.2		2.2	4.2	.4	.7		.7	86.3
WNW	2.5	3.9	1.8	.1	.3	.7		1.9	6.0	.4	.3		.1	87.6
NW	2.0	3.0	1.9	.3	.4	.6		2.3	7.5	.5	1.1			86.4
NNW	3.1	1.9	2.1	.7	.4	.9		.6	7.9	.2	2.1	.1	.1	86.2
VARIABLE														
CALM	1.4	1.4	.9	.1	.0	.0		.6	2.4	.4	1.3			47.1
TOTAL	64	677	379	61	38	64	1	332	1707	98	673	2	12	25746
% TOTAL	2.2	2.1	1.3	.2	.1	.2	.0	1.1	5.8	.3	2.4	.0	.0	58.1

TOTAL NUMBER OF OBSERVATIONS 29,212

NAVWEASERVCOM

WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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.

4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 4444, TX STATION NAME 4444 YEARS 4444

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			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	7.2	17.2	1.6	.4	4.4	5.0	8.7	2.1	.1					72.0	1116	1.75	4.0	.1
FEB	1.7	1.0	2.5	4.9	7.2	4.7	3.7	3.0	1.0	.1				23.0	1016	2.07	5.4	.
MAR	4.7	1.0	2.4	3.5	7.0	4.4	4.0	3.6	1.4	.1	.1			22.3	1055	2.40	7.8	.1
APR	1.7	1.0	2.1	4.7	1.3	4.2	2.9	5.0	3.7	.5				27.1	1170	4.39	3.68	.7
MAY	1.0	11.2	7.0	3.6	1.7	3.1	4.7	5.5	3.7	.6	.1			20.3	1147	4.74	2.44	.6
JUN	71.7	.1	1.1	3.3	1.7	3.2	3.1	4.4	2.1	.4				1.7	1110	2.80	8.44	.
JUL	71.7	.1	1.1	2.3	1.5	2.6	3.4	1.2	1.7	.1	.1			1.0	1116	2.25	2.54	.1
AUG	71.7	2.2	.7	3.2	1.0	3.0	2.2	2.4	1.6	.2	.2			15.0	1147	2.31	2.93	.1
SEP	71.7	.6	1.1	3.5	2.0	3.0	3.6	3.9	2.3	.5				2.0	1117	3.29	6.92	.1
OCT	71.7	.1	1.1	2.1	1.4	3.0	2.1	2.4	1.2	.4				1.7	1170	3.17	4.13	.1
NOV	71.7	4.7	1.4	3.3	2.1	3.4	3.2	2.3	2.2	.2				1.7	1110	2.30	2.65	.2
DEC	1.7	17.2	1.6	3.5	2.2	3.7	2.4	3.2	1.2	.2				15.0	1116	1.93	4.46	.1
ANNUAL	4.7	1.0	1.4	4.0	2.2	3.4	3.4	3.4	2.1	.3	.3			2.0	11331	3.78		

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4

40773

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PER FILL
 (FROM DAILY OBSERVATIONS)

STATION ALAS. T. STATION NAME 4 - YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	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	25.5-30.4	OVER 30.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.	.1	1.	.5	.7	.4	.1	.7	.1					.1	1116	1.6	10.4	.
FEB	1.	.1	.1	.9	.7	.4	.1	.1	.1					.1	1116	1.3	15.7	.
MAR	1.	.1	.1	.3	.7									.1	1147	.9	1.	.
APR	1.	.1												.1	1020	TRACE	TRACE	.
MAY	1.	.1												.1	111	TRACE	TRACE	.
JUN	1.	.1												.1	111	.1	.1	.
JUL	1.	.1												.1	111	.	.	.
AUG	1.	.1												.1	1147	.1	.	.
SEP	1.	.1												.1	1010	.7	.1	.
OCT	1.	.1												.1	1147	.	.	.
NOV	.1	1.7	.1					.7						.1	111	.2	5.5	.
DEC	1.	2.1	.7	.2	.1	.1								.1	1115	.7	2.7	.
ANNUAL	.1	1.7	.2	.2	.1	.1	.	.7	.					.1	11181	3.5		

NAVWEASERVCOM

4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
	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	•	•	1.1	•	•	•								2.7	1	23			
FEB	•	•	1.0	•	•	•								3.1	6				
MAR	•	•	•											•	10	5			
APR	•														•				
MAY	•														1	4			
JUN	•														•	20			
JUL	•														10	2			
AUG	•														10	4			
SEP	•														•	20			
OCT	•														1				
NOV	•	•		•	•									•	10	20			
DEC	•	1.0	•	•										•	10	2			
ANNUAL	•	•	•	•	•	•								•	10	57			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 41245, TX STATION NAME 41- YEARS

PRECIPITATION AMOUNT IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				1.4	.4	1.55	1.62	.45	.82	1.76	1.32	.2	
2	.47	1.37		1.2	2.22	.37	.75	1.00		1.12	3.57	1.27	
3	.32	.5	.72	.45	.61		.01	2.00	1.15	2.04	1.70	1.27	
4	.2		.27		1.41	1.17			.4	.51	.41	2.72	
5		2.27			2.24	1.23	.32	.17		.10	2.42	.35	
6	.1	2.31	1.4	1.11	2.2	1.53	1.1	2.45	2.66	.31	.35	.27	2.6
7	1.37	.26	1.40	.66	.95	3.29	.42	.1	.12	1.28	.5	.75	2.2
8	.65	.53	1.07	2.51	2.85	.12	.43	.2	.25	.11	2.43	1.1	2.24
9	.61	.33	1.55	2.13	1.2	.62	.77	.27	1.37	1.7	.96	.72	2.13
10	.71	.73	.45	1.77	2.12	1.44	.14	1.2	1.53	1.52	1.22	.57	2.17
11	.28	.77	.6	1.24	2.22	1.73	1.61	2.22	.95	.11	.27		
12	.27	.33	.22	1.67	1.74	.51	.17	.22	.22	.23	2.12	1.21	1.74
13	.23	.34	1.2	4.66	4.13	.23	.21	.2	1.11	1.47	1.25	.77	4.2
14	1.27	.37	.7	3.44	1.27	.22	2.45	.29	1.77	.2	1.34	.57	2.42
15	.27	1.27	1.31	.67	2.41	1.32	.21	.1	.25	4.22	.22	1.42	4.22
16	1.2	.77	.42	.77	.62	.23	.57	2.15	1.52	1.25	.42	1.27	2.1
17	1.21	.27	2.22	1.17	.34	1.42	.47	.24	1.6	1.22	1.24	.27	2.2
18	.22	.57	.22	1.72	.71	1.12	1.67	2.27	1.22	1.22	1.12	.27	2.2
19	.2	.22	.1	3.25	1.18	1.17	1.44	.10	.21	.2	.67	1.12	2.2
20	1.27	.2	1.27	.57	.29	.22	.62	1.12	1.27	.11	2.22	.42	2.2
21	.43	1.24	.71	.71	4.3	.72	.27	.2	1.77	.24	1.72	.47	4.2
22	.21	2.22	1.72	2.12	.51	1.42	.24	1.1	.27	1.52	.22	.27	2.22
23	.17	.22	.22	1.17	1.14	1.2	1.32	.2	1.42	1.22	.42	.47	1.4
24	.71	.22	1.52	.41	1.21	.1	1.2	3.12	1.37	.44	1.74	.27	2.1
25	1.22	.2	.77	1.22	4.11	.25	.4	.73	.25	3.12	.22	.27	4.21
26	.44	1.42	.62	1.71	.22	.21	.32	1.27	2.22	.22	.11	.27	2.2
27	.27	.25	.22	1.31	1.52	.52	1.53	1.14	.41	2.22	.25	2.22	2.2
28	.27	.22	.11	2.27	.82	.25	1.22	.24	1.21	1.22	.27	.12	2.2
29	1.12	1.22	1.22	.77	.61	4.32	1.24	.15	3.12	2.22	.62	.27	4.2
30	.22	.2	.22	1.27	4.77	1.21	.72	1.12	1.22	2.22		.7	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, TX STATION NAME ASHEVILLE YEARS 1951-1952

24 HOUR AMOUNTS IN INCHES
TRAILED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51			4.0										PRECIP DAYS
52			0.1						0.2				PRECIP DAYS
53						2.1							PRECIP DAYS
54		0.1		0.2			0.4	0.0					PRECIP DAYS
55	0.4		0.7	0.3									PRECIP DAYS
56											0.6		PRECIP DAYS
57					1.6								PRECIP DAYS
58												1.7	PRECIP DAYS
59												1.1	PRECIP DAYS
60													
61													
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80													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, N.C. STATION NAME ASHEVILLE, N.C. YEARS 1956-1978

DETERMINED AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	1.63	2.17	.95	2.41	.40	5.68	.13	.17	.61	.27	1.44		
6	.17	.55	.79	3.24	1.82	.76	.63	3.08	1.39	.55	.77		
7	.44	1.29	5.16	1.77	.34	.27	1.20	5.90	1.37	2.09	.51	.14	5.00
7	.22	1.48	1.73	.57	1.17	.65	.37	1.27	.97	.47	.26	1.27	1.80
7	.7	.62	2.61	1.49	4.21	.66	.81	1.20	1.14	.93	.14	1.47	4.11
1	1.33	.80	.87	.97	.99	.41	.43	.26	4.57	1.27	.97		
1	.27	.42	.63	.79	2.01	1.72	1.56	.74	1.45	2.26	.72	.14	2.26
1	1.62	1.17	.65	.75	1.71	.91	2.25	.21	.93	.04	1.73	.00	2.25
MEAN	.7	.64	1.1	1.55	1.0	1.12	1.07	1.30	1.47	1.40	1.04	.74	1.12
S.D.	.51	.45	.91	.95	1.47	.91	1.06	1.61	.99	.97	.75	.65	1.06
TOTAL OBS.	1115	1716	1787	1790	1147	1111	1116	1147	1110	1176	1110	1116	1791

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME 45-40 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
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5													
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99													
100													
MEAN													
S D													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SN FALL
(FROM DAILY OBSERVATIONS)

DALLAS, TX STATION NAME STATION YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.	5.1	.	.	.	.	.	.	.	.	.	.	.
76	.	.	.	.	.	.	.	.	.	.	.	.	.
77	4.4	.	.	.	.	.	.	.	.	.	.	.	4.4
78	5.2	3.7	.	.	.	.	.	.	.	.	.	1.	5.7
79	1.5	2.1	.	.	.	.	.	.	.	.	.	.	.
80	.	2.0	.	.	.	.	.	.	.	.	.	.	.
81	.	.	.	.	.	.	.	.	.	.	.	.	.
82	.	.	1	.	.	.	.	.	.	.	.	.	.
MEAN	1.27	.87	.17	.20	.30	.30	.30	.30	.30	.30	.17	.17	1.27
S. D.	2.14	1.70	.40	.700	.700	.800	.700	.700	.800	.800	.40	.55	2.412
TOTAL OBS.	111	1016	1147	1227	1116	1780	1116	1147	150	1147	111	1116	17191

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ON: FALL
(FROM DAILY OBSERVATIONS)

STATION

ASHEVILLE, NC

STATION NAME

1955-56

YEARS

24 HOUR AMOUNT IN INCHES
(RATED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4									0.1				0.1
5				0.2				0.2	0.1				0.2
6		0.1		1	2	0.1	1		1				1
7	0.1			0.1									0.1
8											0.1		0.1
9					0.1								0.1
10												0.1	0.1
11													
12													
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MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION DALLAS, TX STATION NAME ASHEVILLE YEARS 1951-1957

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
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TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 4-1950

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													NO DATA
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MEAN													
S D													
TOTAL OBS													

SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1971 TALLAS, TN 1 48-1982
STATION STATION NAME YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.33		1972			1979
2	0.1	13	1945			1978
3	0.5	17	1955			1974
4	0.33	9	1957	0.4	10	1972
5	1.3	33	1967			1974
6	0.33	8	1961			1979
7	1.01	40	1961			1973
8	0.4	12	1945	1.2	33	1969
9	0.8	22	1955	2.7	69	1962
10	0.8	25	1974	1.5	38	1979
11	0.7	13	1973	3.0	76	1974
12	1.0	27	1958	0.2	5	1982
13	1.0	35	1951			1982
14	0.3	9	1946			
15	0.1	13	1954	0.4	10	1964
16	0.2	25	1964	10.0	254	1964
17	0.1	4	1956	0.4	10	1968
18	0.3	23	1956	5.0	127	1956
19	0.0	20	1970	3.0	76	1960
20	0.0	15	1948			1979
21	1.3	34	1980	5.3	127	1978
22	0.4	21	1990	0.2	5	1966
23	0.1	10	1953			1970
24	0.4	113	1949	1.3	45	1960
25	1.1	30	1973	0.1	3	1978
26	0.3	8	1948			1963
27	0.0	10	1949	0.2	5	1961
28	0.1	18	1968	2.0	51	1968
29	1.2	31	1969	1.3	33	1951
30	0.2	41	1982	4.4	112	1977
31	0.1	55	1950	1.6	41	1951
Monthly	0.4	113	1949	10.0	254	1964

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.31	59	1950			
2	0.2	6	1977	0.9	23	1956
3	0.7	20	1960	0.4	10	1956
4	1.2	35	1946			1981
5	0.4	21	1961	0.6	15	1961
6	0.2	16	1961	3.2	81	1961
7	1.0	27	1973	3.5	89	1978
8	1.1	41	1965	0.4	10	1978
9	2.7	69	1966	3.0	76	1960
10	0.33	8	1953			1981
11	1.2	33	1977	1.0	25	1958
12	1.4	38	1978	0.3	7	1958
13	0.7	18	1946	0.3	7	1951
14	1.0	30	1959	3.2	81	1951
15	0.7	18	1962	2.7	69	1978
16	0.6	17	1965	1.2	30	1980
17	1.1	28	1978	5.7	221	1978
18	0.34	7	1957			
19	0.5	15	1955	2.1	53	1959
20	0.3	10	1951	0.1	3	1964
21	0.0	23	1974			1971
22	0.3	8	1970	1.0	25	1955
23	0.2	58	1949	5.0	127	1975
24	1.4	37	1970	1.5	38	1960
25	1.1	30	1982			1982
26	0.3	13	1966	0.5	13	1982
27	0.6	15	1970			
28	0.3	13	1968			1971
29	0.14	4	1960			
30						
31						
Monthly	2.7	69	1966	8.7	221	1978

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

DIRNAVOCEANMET-SMOS

4

NOV 1957

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION ALLS. TX STATION NAME 145-102 YEARS 1945-1982
 MONTH MAR MONTH APR

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1	2.5	1958			
2	.7	17.8	1977	1.0	25.4	1971
3	.2	5.1	1977			1978
4	.8	20.3	1958			1954
5	.8	20.3	1958	.3	7.6	1954
6	.3	7.6	1957			
7	.7	17.8	1976	1.0	25.4	1947
8	.2	5.1	1964			
9	1.0	25.4	1957			1964
10	1.0	25.4	1949			1949
11	1.3	33.0	1964			1977
12	.8	20.3	1967			1977
13	.1	2.5	1946			1971
14	.8	20.3	1967	1.3	33.0	1967
15	.8	20.3	1961			1967
16	.8	20.3	1961			1967
17	.4	10.2	1969			
18	.8	20.3	1947			
19	1.2	30.5	1972			1965
20	1.4	35.6	1968			1977
21	.8	20.3	1949	.7	17.8	1977
22	.6	15.2	1958			1968
23	1.0	25.4	1978			
24	.7	17.8	1976			
25	.7	17.8	1946			1967
26	.8	20.3	1975			
27	.16	4.1	1977			
28	.2	5.1	1966			
29	.8	20.3	1945			1977
30	.1	2.5	1979			
31	1.0	25.4	1957			
Monthly	.16	4.1	1977	1.0	25.4	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.2	5.1	1945			
2	.75	19.0	1947			1957
3	1.0	25.4	1957			
4	.4	10.2	1962			
5	.8	20.3	1964			
6	.2	5.1	1972			
7	2.1	53.3	1977			
8	.0	0.0	1950			
9	1.0	25.4	1955			
10	.77	19.6	1962			
11	1.4	35.6	1964			
12	.4	10.2	1956			1957
13	1.0	25.4	1954			
14	.2	5.1	1977			
15	1.3	33.0	1977			
16	.8	20.3	1957			
17	1.1	27.9	1971			
18	1.4	35.6	1976			
19	3.26	83.3	1976			1977
20	1.78	45.2	1977			
21	2.10	53.3	1952			
22	2.1	53.3	1952			
23	.13	3.3	1953			
24	1.2	30.5	1957			
25	.14	3.5	1964			
26	.6	15.2	1957			
27	.08	2.0	1972			
28	.25	6.4	1963			
29	1.0	25.4	1956			
30	1.7	43.0	1954			
31						
Monthly	4.6	116.8	1957			1952

* 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

STATION

CALL 15, T

STATION NAME

1 45-1 4-2

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	26	1954			
2	1.1	31	1978			
3	1.3	107	1979			
4	1.10	3	1969			
5	1.7	121	1974			
6	1.11	100	1969			
7	1.0	21	1972			
8	1.01	51	1981			
9	1.38	25	1951		T	1981
10	1.03	102	1965			
11	1.01	36	1948			
12	1.34	59	1957			
13	1.20	30	1968			
14	1.2	39	1974			
15	1.0	47	1955			
16	1.4	37	1955			
17	1.0	151	1949			
18	1.0	24	1929			
19	1.0	52	1955			
20	1.2	32	1955			
21	1.0	22	1973			
22	1.6	17	1945			
23	1.13	105	1957			
24	1.1	43	1982			
25	1.2	32	1982			
26	1.2	32	1982		T	1982
27	1.5	40	1981			
28	1.00	25	1978			
29	1.00	127	1946			
30	1.2	46	1976			
31	1.1	30	1946			
Monthly	1.74	151	1949		T	1982

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.67	42	1981			
2	3.09	78	1951			
3	4.32	111	1973			
4	1.24	33	1955			
5	1.72	44	1981			
6	1.0	23	1950			
7	1.33	65	1974			
8	1.73	44	1955			
9	1.01	36	1974			
10	1.34	3	1970			
11	1.10	37	1945			
12	1.5	47	1945			
13	1.7	27	1945			
14	1.8	25	1981			
15	1.0	37	1954			
16	2.65	68	1951			
17	1.00	28	1961			
18	1.15	29	1955			
19	1.00	43	1947			
20	2.10	55	1947			
21	1.03	41	1951			
22	1.30	35	1959			
23	1.7	20	1965			
24	1.1	23	1968			
25	1.03	39	1949			
26	1.1	20	1949			
27	1.00	1	1967			
28	1.07	22	1940			
29	1.07	27	1950			
30	1.15	3	1963			
31						
Monthly	4.34	111	1973			

* 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

STATION FALLS, N.C. STATION NAME FALLS, N.C. YEARS 1 85-1 992

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.2	34	1967			
2	1.4	14	1949			
3	1.0	15	1931			
4	1.2	41	1945			
6	1.4	89	1958			
6	1.5	14	1958			
7	1.2	57	1947			
8	1.4	12	1962			
9	1.4	7	1977			
10	1.4	23	1945			
11	1.4	47	1973			
12	1.0	26	1972			
13	1.3	34	1967			
14	1.4	37	1963			
15	1.4	11	1955			
16	1.1	41	1955			
17	1.4	24	1966			
18	1.7	29	1953			
19	1.5	14	1967			
20	1.4	12	1954			
21	1.4	11	1957			
22	1.4	11	1961			
23	1.5	14	1971			
24	1.4	37	1975			
25	1.6	144	1975			
26	1.5	39	1967			
27	1.6	42	1962			
28	1.2	44	1973			
29	1.3	21	1975			
30	1.5	14	1982			
31	1.5	14	1947			
Monthly	1.6	144	1975			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	7	1977			
2	1.2	53	1962			
3	1.1	12	1979			
4	1.3	19	1969			
5	1.5	39	1976			
6	1.3	19	1974			
7	1.2	7	1969			
8	1.1	3	1974			
9	1.4	17	1972			
10	1.12	27	1974			
11	1.4	53	1955			
12	1.2	21	1953			
13	1.12	77	1968			
14	1.14	27	1971			
15	1.15	3	1964			
16	1.0	1	1981			
17	1.4	25	1964			
18	1.1	21	1951			
19	1.2	32	1977			
20	1.4	150	1977			
21	2.19	56	196			
22	1.4	42	1957			
23	1.4	24	1977			
24	1.15	29	1966			
25	1.4	24	1971			
26	1.6	43	1968			
27	1.0	203	1947			
28	1.10	76	1946			
29	2.48	63	1957			
30	1.5	17	1974			
31	1.0	23	1977			
Monthly	1.0	203	1947			

* 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

1901

ATLAS, T.

1 45-1 752

STATION

STATION NAME

YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.7	79	1976			
2	.7	25	1977			
3	1.7	35	1957			
4	1.7	39	1957			
5	.7	21	1973			
6	.7	47	1973			
7	.7	46	1967			
8	1.1	28	1949			
9	.6	18	1967			
10	.1	5	1974			
11	1.4	37	1947			
12	.7	41	1761			
13	.3		1977			
14	1.4	37	1967			
15	.7	23	1767			
16	.7	41	177			
17	1.7	28	1974			
18	.7	27	1945			
19	.7	71	1958			
20	1.7	49	1974			
21	1.7	76	1965			
22	.7	27	1769			
23	.7	51	1977			
24	1.7	41	1767			
25	.7	15	1755			
26	1.1	87	1977			
27	.8	23	1764			
28	.8	72	1769			
29	4.5	116	1787			
30	1.7	46	1759			
31						
Monthly	4.5	116	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	4.22	107	1959			
2	3.02	77	1961			
3	2.22	72	1971			
4	2.75	65	1959			
5	0.47	12	1977			
6	0.72	13	1961			
7	2.27	57	1981			
8	2.04	52	1947			
9	1.17	29	1961			
10	2.03	53	1977			
11	2.23	57	1977			
12	3.17	81	1969			
13	1.8	50	1969			
14	1.77	45	1974			
15	1.2	33	1967			
16	0.37	9	1949			
17	1.29	38	1967			
18	1.7	50	1971			
19	2.3	62	1971			
20	0.01		1971			
21	1.3	46	1977			
22	1.14	29	1977			
23	1.17	39	1977			
24	2.2	61	1949			
25	1.0	43	1957			
26	1.79	51	1972			
27	0.5	22	1969			
28	1.27	33	1969			
29	1.77	35	1977			
30	1.72	44	1977			
31	2.27	58	1974			
Monthly	4.22	107	1959			

* 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

1901 ASHEVILLE, N.C. 1946-1962 STATION STATION NAME YEARS

NOVEMBER
MONTH

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.5	12.7	1946			
2	1.5	38.1	1946			1951
3	1.5	38.1	1946			
4	1.5	38.1	1956			
5	1.5	38.1	1957			
6	1.5	38.1	1972			
7	1.5	38.1	1967			
8	1.5	38.1	1977			1968
9	1.5	38.1	1946			
10	1.5	38.1	1974	5.1	129.5	1957
11	1.5	38.1	1946			
12	1.5	38.1	1972			
13	1.5	38.1	1947	5.0	127.0	197
14	1.5	38.1	1958			197
15	1.5	38.1	1978			
16	1.5	38.1	193			
17	1.5	38.1	1957			
18	1.5	38.1	1944			
19	1.5	38.1	1957			
20	1.5	38.1	1978			
21	1.5	38.1	1961			1972
22	1.5	38.1	1961			1971
23	1.5	38.1	1952			
24	1.5	38.1	1952			1957
25	1.5	38.1	1957			
26	1.5	38.1	1982			1980
27	1.5	38.1	1953			
28	1.5	38.1	1967			1960
29	1.5	38.1	1977			1974
30	1.5	38.1	1968			1955
31						
Monthly	1.5	38.1	1946	5.5	140.0	1976

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	10.2	1959			
2	0.5	12.7	1971			
3	0.1	25.4	1947			1973
4	0.8	20.3	1951			
5	0.7	17.8	1971			1972
6	1.2	30.5	1967			1968
7	1.2	30.5	1960			
8	1.7	43.2	1950			
9	1.2	30.5	1971			
10	1.0	25.4	1946	0.1	2.5	1972
11	1.3	33.0	1947			1973
12	0.7	17.8	1972	0.1	2.5	1973
13	0.1	2.5	1961			1973
14	2.6	66.0	1948			1971
15	1.2	30.5	1959			
16	0.3	7.6	1961			
17	0.2	5.1	1959			
18	1.2	30.5	1956			1964
19	0.7	17.8	1956			1967
20	1.7	43.2	1962			1973
21	0.3	7.6	1972			1973
22	0.3	7.6	1957	0.3	7.6	1973
23	1.4	35.5	1972			
24	1.4	35.5	1975			1975
25	0.4	10.2	1957			1975
26	0.7	17.8	1952			
27	0.1	2.5	1962			1967
28	0.5	12.7	1960	1.2	30.5	1964
29	0.7	17.8	1960			1967
30	0.6	15.2	1952	1.5	38.1	1950
31	1.2	30.5	1978	2.5	63.5	1946
Monthly	1.2	30.5	1971	2.5	63.5	1946

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

DIRNAVOCEANMET-SMOS

WCOB, 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

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

DATE SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	1.1	.7	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.1
S. D.	1.4	1.33	.23	.20	.20	.20	.20	.20	.20	.20	.20	.20	1.45
TOTAL OBS.	123	75	104	90	104	120	123	104	100	105	104	104	1315

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

1947 - 1957 IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1947	47	47	47	47	47	47	47	47	47	47	47	47	47
1948	47	47	47	47	47	47	47	47	47	47	47	47	47
1949	47	47	47	47	47	47	47	47	47	47	47	47	47
1950	47	47	47	47	47	47	47	47	47	47	47	47	47
1951	47	47	47	47	47	47	47	47	47	47	47	47	47
1952	47	47	47	47	47	47	47	47	47	47	47	47	47
1953	47	47	47	47	47	47	47	47	47	47	47	47	47
1954	47	47	47	47	47	47	47	47	47	47	47	47	47
1955	47	47	47	47	47	47	47	47	47	47	47	47	47
1956	47	47	47	47	47	47	47	47	47	47	47	47	47
1957	47	47	47	47	47	47	47	47	47	47	47	47	47
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, T. STATION NAME ASHEVILLE, T. YEARS 1941-1950

WIND SPEED IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1941	34	31	34	33	29	31	35	29	25	25	44	44	
1942	22	21	21	21	21	21	21	21	21	21	21	21	
1943	37	37	37	31	33	37	42	32	45	32	32	32	
1944	47	35	40	47	37	33	29	32	45	32	32	32	29 40
1945	33	33	54	41	42	34	36	51	33	35	31	31	
1946	27	32	61	42	47	39	27	33	33	44	36	32	27 41
1947	30	26	37	42	43	34	24		29	34	32	34	
1948													
1949													
1950													
MEAN	32.7	32.4	44.3	42.0	42.5	41.2	37.4	37.1	34.2	36.8	37.6	37.5	37.5
S. D.	6.57	6.59	7.38	7.44	7.46	7.80	7.13	7.93	7.25	7.04	6.46	7.43	9.17
TOTAL OBS.	1013	837	1076	1075	1039	1043	1070	1019	1015	1017	1014	1014	1232

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION ATLAS, TX STATION NAME 45-17 YEARS

DAILY PEAK GUSTS IN KNOTS
BASED ON LESS THAN 24 OBSERVATIONS FOR MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1950						2			2				WINDS DAYS
1951			41								34	44	WINDS DAYS
1952		5	55	57							14	25	WINDS DAYS
1953		2	26		7								WINDS DAYS
1954			40										WINDS DAYS
1955			25										WINDS DAYS
1956						4					4	24	WINDS DAYS
1957						2							WINDS DAYS
1958				27					3				WINDS DAYS
1959				1					1				WINDS DAYS
1960		1					4			44			WINDS DAYS
1961	41						2						WINDS DAYS
1962	27												WINDS DAYS
1963													WINDS DAYS
1964					17	42							WINDS DAYS
1965					1								WINDS DAYS
1966	32	42	42	14	47	14	5		0	21			WINDS DAYS
1967	27	22			20								WINDS DAYS
1968	34	34	44						1	22	3	30	WINDS DAYS
1969	1	26				2			1	11	23		WINDS DAYS
1970					17	59							WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEAR 73-87 MONTH JAN
 CLASS ALL WEATHER HOURS (L E 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	2.2	3.5	3.5	.3	.7						11.9	6.9
NNE	1.0	1.0		.3								3.5	4.0
NE	.0	1.0	.3									2.0	4.1
ENE	.0											.3	3.0
E	1.0	1.0	1.0									3.0	4.8
ESE	.0	1.0	.6									2.3	6.0
SE	1.0	1.0	.6									2.6	5.0
SSE	.3	1.6	2.9	1.0								5.8	7.8
S	2.2	1.9	4.9	2.9	1.0							13.5	6.4
SSW	1.0	1.0	2.6	1.0								8.4	5.8
SW	1.0	.3										2.3	2.6
WSW	1.0											1.0	1.3
W	1.0	.6	1.0									2.6	5.4
WNW	.3	1.3	.6	.3								2.9	6.1
NW	.0	2.3	1.0	1.3	.6	.7						6.1	9.6
NNW	2.6	3.2	4.5	2.9								13.2	7.3
VARBL													
CALM												17.4	
	19.7	23.9	23.5	13.2	1.0	.5						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-80 MONTH JAN
 CLASS ALL WEATHER HOURS (L S Y) 06
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	3.9	4.7	2.8	.3							13.9	7.6
NNE	1.0	2.6										3.5	4.2
NE	1.3	.3										1.3	3.3
ENE	1.6	.3	1.0									2.9	4.2
E		.3	.6									1.0	4.7
ESE	1.7	.6	.3	.3								2.5	4.6
SE	.7	1.3	1.7	.3								2.9	6.2
SSE	.6	1.6	2.6	.6								5.5	6.8
S	1.6	3.2	3.9	2.6								11.3	7.6
SSW	3.6	1.6	2.6	1.3								9.7	5.5
SW	1.0	.4										2.5	2.9
WSW	1.0											1.6	2.2
W	.7	.3		.7								1.3	5.8
WNW	1.7	.6	.6	.6								2.9	6.6
NW	1.3	2.3	1.7	2.3	.3							8.2	5.9
NNW	3.2	2.9	3.2	2.9		.7						12.6	7.6
VARBL													
CALM												17.1	
	23.2	22.6	21.9	14.2	.6	.7						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 2291 DALLAS, TX STATION NAME 73-00 YEARS JAN
 CLASS ALL WEATHER MONTH 03
 CONDITION _____ HOURS (LST) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.2	4.5	2.3	.3							11.0	7.9
NNE	1.2	1.9	1.3	.3								5.5	5.3
NE	1.3	.6										1.9	4.7
ENE	1.3	.7										1.6	3.4
E	1.6	.5	1.3									3.2	4.3
ESE	.3	.6	1.3									2.3	6.6
SE	1.6	1.3	.6									3.2	4.5
SSE	.0	1.3	1.5	.3								3.7	6.3
S	1.6	1.9	4.2	3.9	1.0							14.5	8.5
SSW	2.3	1.9	2.6	1.0								7.7	6.5
SW	3.2	.3										3.2	2.6
WSW	.7	.6										1.0	3.0
W		.0	.3									1.0	5.7
WNW	.3	.3	1.3	.7		.3						2.7	9.1
NW	1.9	2.3	1.9	1.3								6.5	7.0
NNW	1.7	2.7	1.9	4.2	1.3							12.3	9.3
VARBL													
CALM												17.7	
	21.7	22.4	22.3	13.5	2.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

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

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEAR 73-87 MONTH JAN
 CLASS ALL WEATHER HOUR (L O Y) 09
 CONDITION _____

SPEED (KNTS) DIR.	1-3	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	5.2	3.2	.6							14.8	8.4
NNE	1.2	1.3	.4		.3							3.2	5.3
NE		2.3	1.1									3.2	6.3
ENE		.4	.2									1.3	6.0
E	1.1	2.3										3.2	4.1
ESE		1.1	1.1									2.3	5.4
SE	.1	.4	.7	.6								1.9	8.2
SSE	1.1	1.4	2.6	.6								6.1	6.9
S	2.3	4.5	4.2	2.6	.3							13.9	7.0
SSW	2.2	2.3	1.1	2.9								9.7	7.3
SW	.3	.6		.3	.3							1.8	8.4
WSW	.2	.3										1.0	2.7
W	1.4	.2	.6	.3								3.2	5.4
WNW			1.1	.6		.3						2.3	12.3
NW	.2	1.4	1.1	1.9	1.2							6.1	10.1
NNW	.1	2.3	4.2	3.2	1.3	.3						11.9	10.1
VARBL													
CALM												13.0	
	11.5	24.8	25.2	16.5	3.9	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 317

RU.S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME 73-32 YEAR JAN
 MONTH 12
 CLASS ALL WEATHER
 HOURS (LST) 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.7	2.0	4.2	1.7	.7						12.0	10.8
NNE	.7	1.7	2.7									4.5	6.5
NE	.7	1.7	.7	.3								2.9	5.8
ENE		2.7	1.7									3.6	6.1
E	.7	.7	.7									1.7	4.4
ESE	1.7	.7	.7	.3								2.3	5.6
SE	1.7	1.7	1.0	.6								5.1	7.2
SSE	1.7	2.7	3.0	1.3								9.4	6.6
S	1.7	2.7	5.2	5.2	1.0	.3						15.5	9.9
SSW	.7	.7	1.7	1.6	.6	.7						4.9	13.2
SW	.7	.7	1.7	1.3								3.6	8.5
WSW	1.7	1.7	.7	.6		.7						3.6	6.1
W	1.7	1.7	.7	1.0								3.6	7.3
WNW	1.7	.3	1.7	.6		.7						3.6	8.7
NW	1.7	.3	2.7	1.6	1.0	.7						7.4	10.0
NNW	.7	1.7	4.2	2.9	1.9	.7						10.4	10.4
VARBL												4.5	
CALM													
	17.3	27.0	20.4	21.7	5.0	2.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

309

8808

NO. 5, GPO 1984 (41-348-701)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION WALLAS, TN STATION NAME 73-52 YEAR JAN
 CLASS ALL WEATHER MONTH 13
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.2	4.2	7.9	.7							12.0	8.5
NNE	1.0	1.6	1.3	.3								4.2	6.1
NE	.6	1.3	.4	.7								2.0	5.6
ENE		.7	1.6									1.0	5.2
E	1.0	1.6	.6	.3								3.5	5.6
ESE	.6	1.3	1.0									2.9	5.3
SE	1.7	1.7	1.4									3.7	5.4
SSE	2.7	2.9	2.7	2.3	.6							11.0	7.7
S	1.0	2.6	5.1	3.5	1.3	.6						15.2	10.0
SSW	.3	1.0	1.7	1.3		.2						4.2	10.3
SW		.4	.7	1.0								1.7	9.2
WSW	.7		1.0	.6	.6							2.6	11.1
W	.6	1.0		1.0								2.6	7.5
WNW		1.0	.6	1.3	.6	.7						3.9	11.8
NW		1.0	2.5	1.6	1.9							8.4	10.9
NNW	.7	1.0	4.2	5.6	1.0							12.3	11.1
YARL													
CALM												6.1	
	10.7	22.3	30.3	27.2	6.5	1.7						100.7	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 71-50 YEARS JAN
 CLASS ALL WEATHER MONTH 1
 CONDITION _____ HOURS (L S T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		9.2	6.2	3.5								18.9	7.5
NNE		1.0	1.3	0.6								2.9	6.3
NE	2.4	1.2	0.2									3.8	3.9
ENE	0.5	1.0	0.2									1.7	4.4
E	1.0	2.3	0.3									3.6	4.2
ESE	1.0	2.6	1.0									4.6	4.8
SE	1.0	1.0	0.2	0.2								2.4	5.2
SSE	3.2	3.7	2.1	1.0								10.0	6.0
S	0.3	3.2	2.1	0.6								6.2	6.3
SSW	1.0	1.3	1.0	0.3								3.6	4.9
SW		0.2		0.2								0.4	2.7
WSW	0.2	0.5										0.7	3.7
W	0.2	0.6	0.2	0.3								1.3	7.4
WNW	0.5	1.0	0.6	0.6								2.7	7.0
NW	1.6	0.6	1.4	3.4	0.2							7.2	9.8
NNW	1.0	1.0	2.0	2.3	0.3							6.6	6.4
VARBL												0.0	
CALM												0.0	
	23.4	30.0	23.2	13.5	0.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

NO 5 GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1952 JAS MONTH 1952
 CLASS ALL WEATHER HOURS (L S T) 24
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.2	2.0	2.6	1.7							15.6	4.1
NNE	1.3	2.7	1.7	1.6								5.3	4.9
NE	1.0	1.7	1.7	1.7								4.7	4.6
ENE	1.0	1.0	1.7									1.0	4.6
E	1.0	1.0	1.0									4.5	5.7
ESE	1.0	2.2	1.7									3.2	4.7
SE	1.7	1.7	1.7									4.5	4.9
SSE	1.7	2.0	2.0	2.0								9.4	3.0
S	2.0	5.0	4.0	2.0								12.0	7.0
SSW	1.0	1.0	1.7	1.6								3.5	6.0
SW	1.0											1.0	2.0
WSW	1.0	1.0	1.0									1.0	3.7
W	1.0	1.0	1.0									1.0	6.0
WNW	1.0	1.0	1.0	1.0								3.0	5.7
NW	1.0	1.0	2.3	1.0	1.0							7.4	0.5
NNW	1.0	1.0	2.3	2.0								7.4	4.6
VARBL													
CALM												17.0	
	10.4	22.7	21.6	14.5	1.0							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

NO S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 24684, T STATION NAME ALL WEATHER YEARS 73-74 MONTH JAN
 CLASS ALL HOURS (LST) ALL
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	4.0	3.3	.5	.1						13.0	1.4
NNE	1.0	1.0	.0	.3	.1							4.4	5.5
NE	1.0	1.0	.0	.1								3.1	4.2
ENE	.0	.0	.0									1.0	5.7
E	1.0	1.0	.0	.1								3.1	4.8
ESE	.0	1.0	.0	.1								2.1	5.4
SE	1.0	1.0	.0	.0								3.0	5.4
SSE	1.0	2.0	.0	1.0	.1							7.8	7.1
S	1.0	3.4	4.0	2.0	.5	.1						13.0	4.7
SSW	1.0	1.0	1.0	1.0	.1	.1						6.2	7.1
SW	1.0	.4	.0	.4	.0							3.1	7.5
WSW	.0	.0	.0	.2	.1	.0						1.0	5.8
W	.0	.0	.0	.4								3.0	6.4
WNW	.0	.0	.0	.4	.1	.0						2.0	6.4
NW	.0	1.0	2.0	1.0	.7	.1						7.5	9.7
NNW	1.0	2.0	3.0	3.4	.6	.1						11.0	9.1
VARBL													
CALM												12.4	
	13.0	24.5	24.0	16.3	2.9	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2879

NO. 5 GPO 1984 741 348 201

4

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1952 FEB MONTH

ALL WEATHER CLASS CC HOURS (LST) 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	2.0	2.0	2.0								9.0	7.4
NNE	1.0	1.7	1.0									3.7	5.2
NE	.7	1.0	.4									2.1	4.3
ENE		.4										.4	5.0
E	2.0	1.0	1.0	.0								5.7	5.1
ESE	.0	1.0	.4	.7								2.1	7.5
SE	1.1	2.1	.7	.4								4.3	5.1
SSE	1.1	1.1	.7	1.1								3.7	4.9
S	2.2	3.0	6.4	3.1	1.0							22.7	9.2
SSW	1.0	1.0	1.1	1.0								8.2	5.6
SW	.7	.7										2.1	2.5
WSW	.7	.4	.4									1.4	5.0
W		.7		.7								1.4	7.5
WNW		.7	.7	1.1								2.5	2.9
NW	1.0	1.0	1.0	1.1								6.4	6.8
NNW	1.0	3.0	2.1	2.0	.7							10.3	5.1
VARBL													
CALM												12.1	
	1.4	24.1	19.6	20.2	2.1							119.0	6.1

TOTAL NUMBER OF OBSERVATIONS 112

U.S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 23-02 YEARS FEB
 CLASS ALL WEATHER MONTH 03
 CONDITION _____ HOURS (L. O. T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.3	2.0	1.2								9.9	6.9
NNE	.4	1.1	1.1									2.5	6.0
NE	1.4	.4	.4		.4							2.5	5.6
ENE		.4	.4									.7	7.7
E	1.4	.7										2.1	3.2
ESE	.7	1.1	1.1	.7								3.5	6.8
SE		.4	.7									1.1	7.3
SSE	.4	2.5	3.2	.4								6.4	7.6
S	3.0	3.2	3.5	7.1	1.4							19.1	9.7
SSW	1.2	3.5	3.5	1.1								11.3	6.3
SW	2.5	1.1	1.1									4.6	4.2
WSW	1.1	.7			.4							3.1	5.3
W	1.4	.7	1.4	1.1								4.6	7.2
WNW	.4	.7	.7	.7								2.5	4.7
NW	1.4	1.4	.4	1.1								4.3	6.1
NNW	2.7	3.2	2.5	2.5	.4	.4						11.3	7.9
VARBL													
CALM												11.3	
	22.7	25.2	22.3	16.3	2.5	.4						110.7	6.4

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TX STATION NAME 73-02 YEARS FEB
 CLASS ALL WEATHER MONTH 09
 HOURS (LST) 09
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.4	4.5	1.6	.7							8.0	10.1
NNE	1.4	2.0		.4								4.5	5.0
NE		1.4	.4	.4								2.1	7.0
ENE													
E	2.1	.4	1.4									3.0	4.7
ESE	.7	2.1	1.4	.4								4.5	6.3
SE	.4	1.4	2.1									4.1	6.4
SSE	1.4	1.4	2.1	1.4								7.4	7.4
S	2.1	2.1	4.5	5.0	1.4							17.4	9.4
SSW	1.4	3.0	3.0	2.1								9.0	7.3
SW		.4	1.4	.4								1.2	5.4
WSW	.4			.4								.7	8.5
W	.4	.7	1.4	1.4								3.2	5.7
WNW	.4	.4	1.4	1.4	.4							3.0	10.5
NW	1.4	1.4	3.0	2.1	.7							9.1	8.9
NNW	1.4	1.4	3.0	2.1	.4							10.3	8.7
VARBL													
CALM												7.4	
	14.8	22.0	31.0	20.6	7.9							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 282

NO. S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 2391 CALLAS, VA STATION NAME 23-27 YEARS 1951
 CLASS ALL WEATHER MONTH 06
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.2	1.1	2.1	.4							3.9	7.4
NNE	1.1	1.1	1.1									3.2	5.2
NE	1.1	1.4										2.5	3.5
ENE	.7											.7	1.0
E	.4	.4	1.1									1.8	6.2
ESE	.7	.7	.4	.7								2.5	6.7
SE	1.1	1.1	.7									2.9	5.3
SSE	1.1	1.4	3.2	.4								7.1	6.9
S	2.1	3.2	5.1	4.3	.7							16.5	8.4
SSW	5.7	3.2	3.2	1.1								12.6	5.5
SW	2.1	1.4										3.7	3.3
WSW	.4											.4	2.1
W	.4		1.1	.4								2.5	4.0
WNW	.4	1.4	2.1	1.1	.4							6.4	8.8
NW	1.4	3.2	1.1	.7								7.4	6.3
NNW	1.4	1.4	2.1	2.1	.4							8.5	9.5
VARBL													
CALM												12.4	
	22.0	24.5	25.0	13.5	1.8							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 77-80 MONTH FEB
 CLASS ALL WEATHER HOURS (L.S.T.) 12
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	3.2	2.1	.4	.4						8.9	7.6
NNE	1.4	1.1	.7	.7								3.9	6.2
NE		.7	.7									1.4	6.5
ENE	.4		.4									.7	5.5
E	1.1	1.4	1.1		.4							3.0	6.2
ESE	1.1	1.4	.4	.4								3.2	5.3
SE	.4	2.1	1.1	.7								5.0	6.8
SSE	1.1	2.5	1.1	1.1	.4							8.2	7.6
S	2.1	2.1	4.7	3.5	1.8	1.1						25.6	12.7
SSW		.7	2.1	2.4								6.4	12.1
SW			1.4	.7								2.1	12.7
WSW		1.1	.4	.4								1.8	6.6
W	.4	.7	1.1	.7	.7							4.3	9.7
WNW	.4	.4	2.1	2.5	.7	.7						6.7	12.2
NW		4.1	2.1	2.1	1.4							8.5	12.6
NNW		1.1	4.3	4.6								9.7	9.8
VARBL													
CALM												4.6	
	17.6	18.4	30.5	24.0	5.7	2.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 242

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER CLASS ALL WEATHER YEARS 73-82 MONTH 15
 HOURS (L.S.T.) 15
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.7	2.0	1.4	1.1	.4						7.8	10.7
NNE	1.1	1.1	.7	.7								3.5	7.2
NE	.4	.7	1.4									2.5	6.6
ENE	.4	.7	.7									1.8	6.0
E	.4	1.1	.4									1.3	5.0
ESE	.4	.7	.7	.4								2.1	7.0
SE	1.1	1.1	.7	.7								5.0	5.6
SSE	.7	1.1	3.2	1.4	.4							7.4	8.8
S	2.0	1.1	7.1	6.0	1.1	1.4						22.7	11.0
SSW	.7		.4	1.4								2.5	9.9
SW	.7	1.1	.7	1.8			.4					4.6	10.5
WSW	.4		1.4	.4								2.1	9.0
W		.7	2.5	1.1	.7							6.4	9.5
WNW		1.1	2.5	2.1								5.7	9.6
NW	.4	.4	2.0	2.3	.7	.4						7.1	12.1
NNW	.7	2.1	3.5	3.5	1.1	.4						11.3	10.5
VARBL													
CALM												5.7	
	17.6	17.0	52.3	25.6	5.0	2.5	.4					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 282

NO. S. GPO 1984 741 348/201

8M08

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEARS 19-20 MONTH SEP
 CLASS ALL WEATHER HOURS (L. O. Y.) 10
 CONDITION _____

SPEED (KNTS) DIR.	1-3	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	4.0	5.2	2.3	.4							14.5	7.7
NNE	1.1	2.1	1.4									4.6	5.2
NE	.4			.4								.7	6.5
ENE	.4	2.1										2.5	4.6
E		1.8	.4									2.1	5.0
ESE	1.4	2.5	1.4									5.3	4.9
SE	2.5	2.1	1.8	.4								7.1	5.3
SSE	1.5	3.2	5.0	1.9								11.7	7.4
S	1.1	3.3	4.0	5.0	1.4	.4						16.1	9.6
SSW	1.1	2.1	.7									3.9	4.6
SW	.4	.7		.4								1.4	6.5
WSW		.7										.7	4.5
W	1.1	1.1	.4	.7	.4							3.0	7.5
WNW	.4		.4	2.1								2.9	11.3
NW	.4	1.8	3.2	1.8	1.1	.4						8.5	10.2
NNW	.4	2.0	4.6	1.4	1.1							10.3	4.9
VARBL													
CALM												3.7	
	17.5	31.6	22.1	16.7	4.3	.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 202

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEAR PER
 CLASS ALL WEATHER MONTH 21
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	5.2	2.5	1.4								12.1	6.7
NNE	.4	.7	.7	.4								2.1	6.5
NE	.4	1.1	.7									2.1	6.7
ENE	1.1	.7										2.5	2.6
E	2.7	3.5	1.1									7.1	4.6
ESE	1.1	1.7	.7									3.5	5.0
SE	1.1	1.4	.7	1.4	.4							5.7	7.1
SSE	1.1	4.3	3.5	2.1								11.7	7.3
S	1.7	4.3	5.3	3.9	.4							15.6	8.3
SSW	1.4	1.1	.4	.4								3.2	4.8
SW	.4	1.1										1.4	4.3
WSW	.4	.4										.7	3.5
W	.4	.7	.7		.4							2.1	6.2
WNW	.4	1.1	1.1	.7								3.2	4.3
NW	1.1	2.5	1.4	1.1	.4							7.1	7.3
NNW	.7	3.2	1.4	2.1	1.1	.4						8.9	9.4
VARB													
CALM												11.0	
	12.1	32.3	21.3	13.5	2.5	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-02 YEARS PER MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
 OCCASION

SPEED (KNTS) DIR.	1-3	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	2.8	3.5	2.0	.4	.1						9.9	9.1
NNE	1.0	1.3	.9	.3								3.5	5.7
NE	.5	.9	.4	.1	.1							2.1	5.0
ENE	.4	.5	.2									1.2	4.2
E	1.0	1.3	.9	.3	.1							3.5	5.5
ESE	.2	1.4	.8	.4								3.7	6.0
SE	1.2	1.4	1.2	.4	.1							4.4	6.0
SSE	1.7	2.3	2.2	1.3	.1							8.0	7.5
S	2.5	3.3	5.1	6.4	1.2	.4						12.6	9.6
SSW	2.1	1.0	1.7	1.3								7.3	6.5
SW	1.1	.8	.5	.4			.1					2.9	6.3
WSW	.4	.4	.3	.1	.1							1.2	6.0
W	.7	.8	1.2	.8	.3							3.6	8.6
WNW	.7	.7	1.4	1.5	.2	.1						4.6	10.1
NW	1.1	1.7	2.2	1.6	.5	.1						7.4	8.7
NNW	1.1	2.3	3.1	2.2	.6	.1						10.1	9.0
VARB													
CALM												8.4	
	16.7	24.5	26.6	19.4	3.8	.4	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 77-62 YEAR 80 MAP MONTH 80
 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	1.0	1.0	2.0	.3							7.1	8.3
NNE	1.0	1.0	1.0									3.0	5.3
NE	1.0	1.0	.3									2.3	4.3
ENE	.3		.6									2.9	3.7
E	.6	2.0	1.6									4.6	5.6
ESE	.3	1.6	1.0	.6								3.9	7.5
SE	.6	1.6	2.0	2.0								6.1	8.6
SSE	1.0	2.0	2.6	5.2	.3							11.3	9.5
S	1.0	1.0	5.5	11.3	1.6							20.0	11.1
SSW	2.2	1.0	1.0	.6								7.1	5.2
SW	1.0											1.6	2.2
WSW	.6		.3		.3							1.9	8.0
W	.6		.3	1.6		.3						3.0	11.3
WNW		.6	1.0	1.0	.3							3.0	10.2
NW	.3	1.0	1.0	.6								4.0	7.5
NNW	.3	2.0	1.6	1.0	.3							5.6	8.1
VARBL													
CALM												9.7	
	16.0	19.0	24.0	26.1	3.2	.3						170.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

NO. S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 77-2 YEAR 77 MONTH MAR
 CLASS ALL WEATHER HOURS (L.S.T.) 03
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	1.0	1.0	.3							7.1	6.7
NNE	1.0	.7	1.0									3.2	6.1
NE	1.7	.7										1.3	3.3
ENE		1.0										1.9	5.2
E	.3	.6	1.0									2.3	5.6
ESE	.7	2.3	.6	1.6								4.6	7.8
SE	.6	1.6	2.3	1.0								6.5	8.7
SSE	1.7	1.3	2.7	3.2	.3							8.7	9.1
S	1.6	2.6	5.2	2.4	1.6							21.3	10.2
SSW	1.0	2.6	2.7	1.6								9.9	6.3
SW	1.0	1.6	.3									2.9	4.0
WSW	.3											.3	2.0
W	1.7	.3	.6	.6	.3							3.2	7.8
WNW	.7	.7	1.0	1.3	1.0							4.9	11.3
NW	.3	1.0	.6	1.6	.3							3.2	8.7
NNW	1.7	2.3	1.3	2.3	.6							7.7	9.0
VARIABLE												10.0	
CALM													
	16.2	21.0	22.4	23.5	4.5							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-74 MONTH MAY
 CLASS ALL WEATHER HOURS (LST) 06
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.4	3.0	.6	.3							6.0	8.0
NNE	.1	.6	.7									1.6	6.2
NE	.7	2.3	.3									2.9	5.2
ENE	1.7	.6	.3									1.9	4.8
E	.3	1.9	1.7	.3								3.9	6.0
ESE	.4	1.7	1.3									3.5	5.7
SE	.7	1.3	1.7	1.3	.3							4.9	9.3
SSE		2.6	2.7	2.3	.3							7.4	9.2
S	1.6	3.5	3.5	2.4								20.3	9.5
SSW	1.6	2.6	3.2	1.6								10.6	6.8
SW	7.7	1.1										7.4	2.6
WSW	1.6		.6									2.6	3.7
W	.6	.6		1.7								2.3	7.3
WNW		.6	1.0	.6								2.3	8.6
NW		.6	1.7	1.0	.3	.3						3.2	11.4
NNW	2.3	4.2	1.3	2.9	.3	.3						11.0	7.9
VARBL													
CALM												11.0	
	17.4	25.3	27.2	20.3	1.6	.6						110.0	6.2

TOTAL NUMBER OF OBSERVATIONS 110

U.S. GPO 1984 741 348/201

8W05

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: _____ CLASS: ALL WEATHER
 YEARS: _____ MONTH: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	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	2.3	2.3	1.6	.7	.7						6.1	5.4
NNE	1.3	1.3	1.0	.7								7.3	6.3
NE		1.0	.7	.7								1.6	6.6
ENE	.7	1.0	1.7	.3								5.5	6.3
E		1.7	1.3	1.3	.3							4.8	7.7
ESE	1.7	1.7	1.7	1.0								4.8	7.7
SE	.7	1.0	1.7	1.0	.3							4.5	9.2
SSE	2.3	1.3	2.0	1.7	.5							5.7	7.5
S	1.7	2.7	4.0	3.4	2.6							10.7	11.0
SSW	.7	1.7	3.7	1.7	.3							6.4	6.3
SW	.7	.7	1.7	.7								3.7	7.3
WSW			.7	.7								.6	9.5
W	.7	.7	1.7	.6		.7						3.7	9.9
WNW		.7	.7	1.7	.6	.7						3.7	12.6
NW	.7	.7	.7	2.5	.7							5.5	11.9
NNW	.7	2.3	3.5	3.7		.7						10.7	9.6
VARBL												3.7	
CALM													
	11.7	21.0	30.7	27.7	5.5	1.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

RU 5 GPO 1984 741 148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 77-82 MONTH ALL
 CLASS ALL WEATHER HOURS (LST) 12
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	10.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	6.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	7.5
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	6.6
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	7.4
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	7.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	7.4
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	6.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	12.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	12.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	10.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	14.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	11.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	12.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	11.7
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	11.7
VARBL												0.0	
CALM												0.0	
	0.0	17.1	20.0	33.5	9.7	1.0						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 110

RU.S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 77-81 STATION NAME ALL WEATHER YEARS 1954-55 MONTH MAR
CLAM HOURS (L.S.T.) 17
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	2.3	1.0	.0	.0						5.8	11.1
NNE	.0	1.0	1.0									2.0	7.1
NE	.0	.0										.0	5.0
ENE	.0	1.0	1.0									2.0	5.0
E	1.0	1.0	1.0	1.0	.0							4.0	7.7
ESE	1.0	1.0	.0	2.0								4.0	8.4
SE	1.0	.0	1.0	1.0								3.0	6.1
SSE	.0	1.0	2.0	4.0	.0							13.0	10.5
S	.0	1.0	2.0	11.0	5.0	.0						22.0	13.3
SSW		.0	.0	1.0	.0							2.0	12.7
SW			1.0	1.0	.0	.0						2.0	13.3
WSW	.0	1.0	.0	2.0	.0							4.0	11.1
W	.0		1.0	2.0	.0	.0						4.0	11.6
WNW		.0	.0	1.0	1.0	.0						2.0	12.7
NW			1.0	2.0								4.0	11.6
NNW	.0	2.0	1.0	4.0	1.0	.0						11.0	11.6
VARBL													
CALM												7.3	
	5.0	10.0	22.0	41.0	11.0	1.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ALLAS, TN STATION NAME 73-92 MONTH MAR
 CLASS ALL WEATHER HOURS (LST) 1A
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	2.0								9.0	8.0
NNE		.7	1.7	.3		.7						2.3	10.6
NE	.4		1.5									2.3	6.3
ENE	1.0	1.0	.6									3.6	4.5
E	.5	2.7	1.7	.5								5.8	6.2
ESE	.0	1.0	1.5	2.3								5.8	8.4
SE	1.0	1.7	3.5	1.5								8.1	7.5
SSE	.7	3.2	5.7	5.5	.6							14.8	9.7
S		1.0	2.0	7.7	1.0	.4						16.8	12.6
SSW	.1	1.0	.1	.6	.7							3.9	7.6
SW	.7	.4	.4	.3								1.7	6.8
WSW			1.7	1.6								2.9	11.3
W		.7	1.3	1.0	1.0							3.8	12.1
WNW	.1	1.0	1.7	1.0	1.0							4.5	10.6
NW	1.0	1.0	1.0	1.0		.7						3.7	10.0
NNW	.1	1.0	2.0	4.0	.6							9.0	10.5
VARBL													
CALM												2.9	
	7.1	21.6	23.7	31.9	5.5	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-02 YEAR 1952 MONTH MAR
 CLASS ALL WEATHER HOURS (L.S.T.) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.4	2.0	2.6	.3							9.4	9.0
NNE	2.7	1.6	.3									4.2	3.8
NE	1.3	1.7	.6									2.9	4.4
ENE	1.6	1.0	1.7									3.9	5.3
E		1.9	1.7	.3								3.5	6.4
ESE	1.7	1.6	2.6	1.0	.3							6.4	7.1
SE		2.3	1.0	1.0								5.2	7.9
SSE	1.0	1.3	5.2	5.8	.6	.7						14.4	10.1
S	2.7	1.3	5.8	5.5	1.3	.6						17.4	10.2
SSW	1.3	1.0	.7									3.3	4.2
SW	.7	.6	.3	.6								1.6	7.0
WSW		.7	.3		.6							1.3	13.3
W	.6	.3		.6	.3							1.9	8.8
WNW		1.6		.6	.3							2.6	8.9
NW	.7	1.0	1.7	1.7	.3							4.2	6.5
NNW	1.7	2.3	1.7	1.0								5.8	6.7
VARBL													
CALM												11.0	
	14.2	23.2	25.2	20.3	4.2	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME 72-02 YEARS 1951-52 MAP NORTH
 CLASS ALL WEATHER ALL ALL
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.9	.4	.1						7.8	8.7
NNE	.3	1.0	1.2	.1		.1						3.2	6.2
NE	.2	.6	.7	.1								2.1	5.4
ENE	.9	1.0	.9	.7								2.8	5.3
E	.5	1.7	1.7	.6	.1							4.3	6.9
ESE	.4	1.0	1.5	1.3	.7							5.3	7.7
SE	.4	1.4	2.7	1.5	.1							5.5	8.3
SSE	1.0	2.3	3.7	4.2	.5	.1						11.6	9.4
S	1.5	2.3	4.5	3.1	2.3	.3						19.9	11.3
SSW	1.0	1.8	1.7	1.2	.2	.1						6.7	7.4
SW	.3	.5	.7	.4	.1	.1						2.8	6.7
WSW	.1	.2	.4	.7	.3							2.0	10.1
W	.1	.4	.7	1.1	.2	.1						3.1	10.4
WNW	.1	.7	.9	1.0	.6	.1						3.4	11.2
NW	.2	.7	1.2	2.0	.2	.1						4.5	10.6
NNW	.4	2.2	2.0	2.9	.5	.1						4.6	9.4
VARBL													
CALM												6.7	
	12.0	20.5	23.6	24.1	5.6	1.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 2480

U.S. GPO 1984 741 348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER YEARS 73-82 MONTH APR
 CLASS ALL WEATHER HOURS (L & 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	.7	2.7	1.0	.3								5.3	5.6
NNE	1.7	.3	2.7	.3								4.0	6.6
NE	.7	1.0										1.7	4.0
ENE		1.0	1.0									2.0	6.6
E	.7	.7	1.7	.3								3.0	7.0
ESE	1.7	2.7	2.7	.3								6.3	6.2
SE	1.7	1.0	2.3	1.0	.7							6.3	8.6
SSE	.7	1.7	4.7	5.7	.7							13.0	10.9
S	3.0	3.3	6.7	7.0	1.3							21.3	9.0
SSW	4.7	2.3	1.0	.3								8.0	4.8
SW	1.7	.3										1.7	2.8
WSW		.3										.3	5.0
W	.3	.7										1.0	5.0
WNW	.7	1.7	.7	.3								3.3	5.7
NW	1.7	1.0	1.3	1.0								4.7	6.5
NNW	1.7	2.7	.7	.7	.3							6.0	6.4
VARBL													
CALM												12.0	
	13.0	24.0	24.7	17.3	3.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: DALLAS, TX STATION NAME: DALLAS, TX YEAR: 73-82 MONTH: APR
 CLASS: ALL WEATHER MONTH: 03
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.3	2.0	1.0	1.0	.7							7.0	6.7
NNE	1.0	1.0	1.0									3.7	4.9
NE	.7	.7	.3	.3								1.7	5.0
ENE	.7	1.3	.7									2.0	4.7
E	.7	1.0	.7	.7								2.0	6.7
ESE	1.7	1.0	.7									2.7	3.4
SE	1.3	1.3	2.3	1.7								6.3	7.9
SSE	.3	2.7	1.7	3.7	.3	.7						11.0	9.7
S	2.3	3.3	6.3	8.7	.7							23.3	9.5
SSW	1.0	3.3	2.7	1.3								9.7	3.8
SW	2.3											2.3	2.3
WSW	1.3		.7									2.0	3.5
W	.3	1.0	.7									2.0	6.0
WNW		1.3	.7									1.7	3.8
NW	1.0	1.0	1.3	1.3	.3							5.0	8.1
NNW	1.7	1.7	1.3									4.7	5.1
VARBL													
CALM												13.7	
	19.3	22.7	24.0	18.3	2.0	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-82 YEAR APR
 MONTH 06
 HOURS (L.S.T.) 06
 ALL WEATHER
 CLAS
 COONITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0								6.0	7.0
NNE	1.0	.3	.3	.7	.3							2.7	7.9
NE			.7									.7	7.0
ENE	.7	1.0	1.0									2.7	6.0
E	1.0	1.0	1.7									3.7	5.5
ESE	1.7	1.3	2.0	.7								5.7	7.0
SE	1.3	2.0	1.7	1.3								6.0	6.7
SSE	1.0	3.0	5.0	1.7		.3						11.0	8.2
S	1.7	5.3	8.7	4.7								20.3	8.3
SSW	2.3	3.3	2.3	.3								8.3	5.6
SW	4.0	.7	.3									5.0	3.1
WSW	.3	.7	.3									1.3	4.5
W	1.0	.3	.7	.3								2.3	5.9
WNW		2.0	1.0	1.3								4.3	6.9
NW	.7	1.3	1.0	1.0								4.0	7.3
NNW	2.3	.7	.3	1.0								4.3	5.3
VARBL													
CALM												12.3	
	18.7	24.3	22.0	14.0	.3	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

RUS GPO 1984:741-348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 0701 DALLAS, TX STATION NAME 73-82 YEARS APR
ALL WEATHER MONTH 09
 CLASS ALL WEATHER HOURS (LST) 09
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	2.0	1.7	.7							6.7	9.2
NNE	1.3	.7	1.7	.7								4.3	7.0
NE	.7	.3										.7	4.5
ENE	.7	.3	1.0	.3								2.3	6.4
E	1.7	.7	2.0	1.3								5.7	7.5
ESE	.7	1.7	1.7	1.7								5.3	8.5
SE	.7	1.7	3.0	1.7		.7						7.3	8.6
SSE	2.3	2.0	5.3	3.7	.7							14.0	8.9
S	1.7	3.3	8.0	6.3	1.0							19.7	9.5
SSW	.7	2.7	4.0	2.7								10.0	6.1
SW	.7	.7	1.0									2.3	6.3
WSW	.7			.7								1.0	9.7
W	.3	.7	1.0			.7						2.3	9.0
WNW			1.0	1.3								2.3	11.7
NW	.7	.7	1.0	3.3	.3							5.7	11.2
NNW	1.7	1.3	1.3	1.0	.3							5.7	7.8
VARS													
CALM												5.0	
	13.0	14.0	34.0	26.3	3.0	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-57 MONTH APR
 CLASS ALL WEATHER HOURS (LST) 17
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	1.7	2.7	1.3							7.7	12.8
NNE	1.7	.7	1.7	1.3								4.6	7.7
NE		1.7	.7									1.7	5.4
ENE	.3	.3	.3									1.0	5.7
E	.7	1.3	1.3	.3								3.7	5.3
ESE	.7	1.7	2.0	1.0								4.3	6.1
SE		1.7	3.0	1.0								5.7	6.2
SSE	1.7	1.7	6.7	5.7	.7	.3						16.7	9.9
S	1.7	2.7	9.3	13.0	2.3	.7						26.7	11.2
SSW	.3	.7	1.7	2.3		.7						4.3	11.0
SW		.7	1.7	.7	.3							2.3	10.7
WSW		.7										.7	5.0
W		.7	1.7	1.7	.3	.7						4.3	12.1
WNW		1.7	.3	1.0								2.7	8.9
NW			1.7	2.0	.7							4.3	12.7
NNW	1.7	1.7	2.3	2.3								7.0	8.6
VARBL													
CALM												3.7	
	7.3	15.7	30.0	32.0	5.7	1.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 300

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 9791 DALLAS, TX STATION NAME 73-82 YEARS APP
 CLASS ALL WEATHER MONTH 19
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.7	2.3								4.0	11.2
NNE		1.0	1.7	.3								2.0	7.7
NE		.1	1.0	.7								2.0	9.2
ENE	.7	.7	.7									2.0	6.0
E	.7	1.3	1.7	1.0								4.7	7.8
ESE	1.0	1.0	1.7	.7	.3							4.7	7.6
SE	1.3	2.7	3.3	1.3	.3							9.0	7.8
SSE	2.7	4.7	7.7	7.7	.3	.3						22.7	9.3
S	.7	1.7	8.0	8.7	1.3		.3					20.7	11.0
SSW	.7	.7	1.7	1.0								3.0	8.6
SW		.7		.7								1.0	9.7
WSW	.7				.3	.3						1.0	14.7
W	.3	1.0	1.0	1.0								3.3	5.4
WNW	.7	.3	1.7	1.7	.3							4.7	9.4
NW		1.7	1.0	2.7								5.7	9.3
NNW	.3	.3	3.7	3.7								8.0	10.5
VARIABLE													
CALM												2.3	
	2.0	17.7	34.7	33.3	7.0	.7	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 721 DALLAS, TX STATION NAME 72-82 YEARS APC
ALL WEATHER MONTH 10
 CLAS
 HOURS (LST) 10
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	3.7	1.7								6.7	8.3
NNE	1.7	2.7	2.7	.3								5.3	6.6
NE												.7	12.0
ENE		.7	.7	.3								1.7	7.8
E	1.7	2.7	2.7	.3								6.7	5.3
ESE	1.7	2.7	3.7	.7	.7							8.7	8.3
SE	.7	1.7	7.7	4.7	.3							12.7	9.8
SSE	.7	3.7	5.7	6.7	1.7							16.7	10.1
S	1.7	4.7	7.7	4.7	.3							18.7	8.8
SSW		.7	.7		.7							1.7	8.2
SW		.7	.3	.3								1.7	8.5
WSW				.3								.7	8.2
W	.7	.3		.7								1.7	6.3
WNW		1.7	1.3	1.3	.7							4.7	10.1
NW	.7	.7	3.3	.7	.7							6.7	8.7
NNW	.7	3.7	2.3	1.7								7.7	8.1
VARBL													
CALM												3.7	
	7.7	23.3	39.7	23.3	3.7							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 770

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 37801 DALLAS, TX STATION NAME 73-00 YEARS APR
 CLASS ALL WEATHER MONTH 21
 HOURS (LST) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	1.7	1.7								6.3	7.5
NNE	1.7	1.7	1.7									4.3	5.2
NE	1.7	.7	.7									3.7	3.3
ENE	1.7	1.3	.7									3.3	4.2
E	1.7	2.7	2.7	.7	.3							7.2	5.9
ESE	1.7	2.7	2.7	.7	.7							7.7	6.2
SE	1.7	5.7	6.7	3.7	.3							16.7	8.1
SSE	2.7	4.7	7.7	2.3	.7							17.7	7.9
S	2.7	3.7	4.7	2.7	1.3							14.7	6.6
SSW	.7		.7	.3								1.3	5.4
SW		.3										.3	4.0
WSW	.7											.3	2.0
W	.7	1.7	.7									2.7	5.3
WNW	.7	.7	1.7	.7								2.7	5.1
NW	.3	1.7	1.7	.3								3.3	6.6
NNW	1.7	1.7	1.7		.3							4.3	6.5
CALM												7.7	
	19.0	22.0	29.3	12.0	3.3							100.7	6.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

RU S GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME 72-52 YEARS APR
MONTH
 CLASS ALL WEATHER
ALL
 HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.7	1.6	.3							6.2	6.3
NNE	1.0	.0	1.7	.5	.0							3.7	6.6
NE	.0	.0	.7	.2								1.5	5.7
ENE	.0	.8	.1	.1								2.1	5.7
E	1.0	1.3	1.5	.5	.0							4.5	6.4
ESE	1.0	1.7	2.0	.6	.2							5.4	7.1
SE	.0	2.0	3.0	1.0	.2	.0						5.7	8.3
SSE	1.5	2.0	3.7	4.6	.5	.0						15.2	9.4
S	1.7	3.5	7.6	5.5	1.0	.1	.0					20.4	8.6
SSW	1.0	1.7	1.3	1.0	.0	.0						5.5	6.8
SW	1.0	.4	.7	.2	.0							2.0	5.3
WSW	.0	.2	.1	.1	.7	.0						.8	6.6
W	.4	.7	.7	.4	.0	.1						2.3	5.1
WNW	.0	1.0	.2	1.0	.1							3.2	6.7
NW	.0	1.0	1.5	1.5	.2							4.1	6.9
NNW	1.7	1.5	1.7	1.7	.1							5.0	7.6
VARBL													
CALM												7.4	
	1.0	21.0	31.1	22.1	3.0	.0	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2400

NO S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-52 MONTH MAY
 CLASS ALL WEATHER GURE ILL Y 10
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	0.5								4.0	5.0
NNE	1.0	1.0		0.5								2.0	5.0
NE	1.0	1.0										1.0	4.0
ENE	1.0	1.0	0.5									1.0	4.0
E	1.0	1.0	0.5	0.5								3.0	5.0
ESE	1.0	1.0	2.0	0.5								6.0	7.0
SE	1.0	3.0	3.0	1.0	0.5							10.0	7.0
SSE	1.0	4.0	4.0	2.0	0.5							17.0	7.0
S	1.0	6.0	6.0	5.0	0.5							25.0	7.0
SSW	1.0	1.0	0.5	0.5								5.0	4.0
SW	1.0	1.0										0.0	2.0
WSW	1.0											1.0	2.0
W		0.5	0.5	0.5								1.0	2.0
WNW	1.0	0.5		0.5								1.0	2.0
NW	1.0	1.0	1.0	0.5								3.0	5.0
NNW	0.5	1.0	0.5	0.5								3.0	5.0
VARBL												0.0	
CALM												0.0	
	22.0	27.0	24.0	15.0	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 71

SMOS



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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 77-92 YEAR MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 03
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.6	1.9	1.0								6.5	6.6
NNE	.6	1.0	.6									2.3	5.0
NE	.6	.3	.3		.3							1.6	7.6
ENE		1.7	.6	.3								2.9	6.8
E	.6	.3	1.0	.3								2.3	7.0
ESE	.6	1.6	.6	1.3		.3						4.5	5.9
SE	1.3	1.6	3.2	.3								6.5	6.2
SSE	1.6	2.6	3.9	1.3								9.4	7.1
S	2.6	7.4	12.3	4.8								27.4	7.8
SSW	3.5	2.9	2.3	.3								9.5	9.6
SW	1.6	.3	.3									2.3	3.1
WSW	.6											.6	2.0
W	.3	.3		.6								1.3	7.3
WNW	.6	.6		.6								1.9	6.7
NW	.3	1.9	2.6		.3							5.2	7.4
NNW	2.6	1.0	.6									4.2	3.8
VARA													
CALM												12.3	
	12.0	26.5	30.3	11.0	.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS MAY
 CLASS ALL WEATHER MONTH 06
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.7	.3	.3								4.8	4.1
NNE	2.4	.6	1.7	.6								4.8	5.1
NE				.3								.3	14.0
NNE	.3		.6									1.3	5.8
E	.7	1.6	.6	.3								2.9	5.9
ESE	1.4	2.3	.3									4.2	4.8
SE	.3	2.4	2.7	1.0								6.5	7.4
SSE	1.0	4.5	4.5	1.9								11.9	7.3
S	1.3	9.1	9.7	3.5								22.6	7.4
SSW	2.2	1.6	1.6	.6								6.6	5.1
SW	.6	.6										1.3	3.3
WSW	.6											.6	1.5
W	.6	.6	.6	.3								2.3	6.3
WNW	1.6		.3									1.9	3.2
NW	1.7	1.0	1.0	.6								3.3	7.0
NNW	2.3	1.6	1.0	.6								5.5	5.3
VARBL													
CALM												18.7	
	20.3	26.8	23.9	10.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS MAY
 CLASS ALL WEATHER MONTH 09
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	1.6	1.3								4.5	7.9
NNE	.6	2.9	.6	.3								4.5	5.5
NE		1.7	.3									1.6	5.8
NNE		1.3	.6	.3								2.3	7.1
E	1.6	1.3	2.6	.6								6.1	6.3
ESE	1.3	2.6	1.6	.6	.3							6.5	6.6
SE	.6	1.5	2.3	.3								4.2	7.1
SSE	2.9	2.9	5.5	1.9								13.3	7.1
S	1.2	3.9	13.9	10.4	.6							29.8	9.5
SSW	.3	1.0	2.3	1.0	.6							5.2	9.8
SW	1.3	.3										1.6	3.4
WSW	.3	.3										.6	3.0
W		.6	1.0									1.6	7.0
WNW	.3	.3	1.7	.3								1.6	8.2
NW	.3	1.0	.6	1.9								3.9	9.3
NNW	.6	1.6	1.9	1.9								5.2	7.4
VARB													
CALM												7.1	
	12.0	23.3	35.9	20.1	1.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 309

NO S. GPO 1984 741 348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-82 MONTH MAY
 CLASS ALL WEATHER
 HOURS (L.S.T.) 12
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.3	1.6								5.5	7.9
NNE	.6	2.3	.3	.3								3.5	3.6
NE	.3	1.9		.3								2.3	6.3
ENE	.3	.3	1.0	.3								1.9	7.0
E	1.6	1.3	1.0									3.9	5.1
ESE	1.3	1.0	1.9									4.2	6.2
SE	1.3	2.3	2.6	.6								6.8	6.9
SSE	1.3	5.2	8.4	4.2								19.0	8.2
S	2.3	5.5	9.4	11.0	.3							28.7	9.2
SSW			2.4	1.3								4.2	9.4
SW	.3		.6	.3								1.3	8.5
WSW	.3	1.0	.3	.6								2.3	6.7
W	.3	.6	1.0									1.9	6.7
WNW		.3	.6	.6								1.6	9.6
NW	.3	1.3	1.0	.6								3.2	7.5
NNW	.6	1.9	2.6	1.3	.3							6.8	7.8
VARS													
CALM												2.9	
	11.6	26.3	39.3	23.2	.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-52 YEARS MAY
 CLASS ALL WEATHER MONTH 15
 CONDITION NOV 1952 (L. D. T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	1.9	1.3								3.9	8.8
NNE	.3	1.9	1.0									3.2	5.7
NE	.3	1.3	.3	.3								2.3	6.0
NNE	.3	.3	1.0	.3								1.9	6.3
E	1.3	1.9	1.3	.6								5.2	6.4
ESE	.3	2.3	1.0	.3		.3						5.2	7.9
SE	.6	4.2	5.5	2.6								12.9	7.8
SSE	1.6	3.2	8.7	3.5	.3							17.4	8.5
S		4.2	8.1	11.3								23.5	9.6
SSW	1.3	.6	1.9	1.0								4.3	6.9
SW		.3	.3		.3							1.0	9.7
WSW			.3	.6								1.0	11.7
W		.6	1.3	1.0								2.9	9.0
WNW	.6	1.3	1.0	.3								3.2	6.6
NW		.6	.6	.6	.3							2.3	10.3
NNW	.3	.6	2.6	2.3	.3							6.1	10.3
YARMS													
CALM												3.2	
	7.4	23.7	37.7	26.1	1.3	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

U.S. GPO 1984-741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

73011 STATION DALLAS, TX STATION NAME 73-02 YEARS MAY MONTH 19 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	1.7	1.6	.3							6.9	7.7
NNE	1.0	1.0	1.7	.3								3.5	5.3
NE	.3	.3	1.1									1.6	6.0
NNE		.6	1.0									1.6	7.2
E	.4	2.6	3.5	.6								7.4	6.9
ESE	.7	1.5	3.9	.6								6.5	8.0
SE		2.9	7.7	1.9								12.6	8.2
SSE	.6	2.9	9.4	5.9	.3							18.7	8.9
S	2.3	4.3	8.1	5.2								20.3	8.2
SSW	.3	1.6	.3									2.9	4.7
SW	.7		.1									.6	5.0
WSW		.7										.3	5.0
W	.3		1.0	.3								1.6	8.2
WNW	1.0	.3	1.0									2.3	5.4
NW	.7	1.3	1.3	.6								3.9	7.6
NNW	.7	1.3	2.9	1.3								5.8	8.6
VARBL													
CALM												4.5	
	3.7	23.5	44.5	18.1	.6							104.2	7.5

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 9721 DALLAS, TX STATION NAME 73-82 YEARS MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 21
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.7	2.3	.6								6.1	6.1
NNE	.6	1.6	.3	1.0								3.5	7.1
NE	1.6	1.0										2.6	2.9
ENE	1.0	.6	.7									1.9	3.7
E	1.9	2.9	1.6									6.5	5.1
ESE	1.3	3.2	3.2	.3								8.1	6.4
SE	1.9	8.8	6.5	1.9								18.7	6.8
SSE	3.2	3.9	7.1	4.7	.3							18.7	7.8
S	2.6	4.5	3.2	2.9								13.2	6.9
SSW	1.1	.6										1.9	3.0
SW													
WSW	.7	.3										.6	4.0
W	1.0	.3										1.3	3.5
WNW		.3	.3	.3								1.0	8.3
NW	1.3	.6	1.6	1.0								4.5	7.0
NNW		1.7		.3	.3							2.6	7.9
VARBL													
CALM												8.7	
	20.3	31.3	26.5	12.6	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 7391 DALLAS, TX STATION NAME 73-92 YEAR MAY
 MONTH ALL WEATHER
 CLAS ALL
 HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	1.6	1.7	.0							5.3	6.8
NNE	1.0	1.5	.6	.4								3.5	5.7
NE	.5	.8	.2	.1	.7							1.7	5.6
ENE	.4	.2	.7	.2								2.0	6.3
E	1.1	1.7	1.5	.4								4.9	6.1
ESE	1.7	2.1	2.1	.5	.0	.1						5.7	6.9
SE	.0	3.3	4.2	1.8	.1							9.4	7.3
SSE	1.7	3.7	6.5	1.2	.2							15.3	8.0
S	3.1	5.7	9.2	6.9	.1							23.9	8.4
SSW	1.0	1.3	1.5	.6	.1							4.9	6.0
SW	.7	.3	.2	.0	.0							1.5	4.5
WSW	.4	.2	.1	.2								.6	5.1
W	.3	.4	.6	.3								1.7	7.3
WNW	.5	.5	.3	.3								2.0	6.4
NW	.6	1.1	1.2	.8	.1							3.8	7.7
NNW	.9	1.5	1.9	.9	.1							4.9	7.4
VARBL													
CALM												8.5	
	14.0	26.1	32.3	17.1	.8	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 4791 DALLAS, TX STATION NAME 23-02 YEAR JUN
 CLASS ALL WEATHER MONTH DO
 CONDITION _____
 HOUR (L. S. T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	.7									3.0	4.9
NNE	1.0	.3	.3									2.0	3.3
NE	.7	1.0		.3								1.7	5.0
ENE	1.7	1.3	.7									3.0	4.1
E	1.7	3.0	.7									5.0	4.1
ESE	.7	1.3	1.0	.3								7.3	6.5
SE	1.0	4.0	2.7	.3								9.0	6.4
SSE	.7	2.7	5.7	3.0	.3							14.3	8.2
S	3.0	9.3	15.7	6.7	.3							35.3	7.8
SSW	4.3	1.7	.7	.7	.3							7.3	9.0
SW	1.0											1.0	1.3
WSW	.3	.3			.3							1.0	8.3
W		.3										.3	6.0
WNW	.3		.7									.7	5.0
NW	.7	.3	.3									1.3	4.5
NNW	.7	.7		.3	.3							2.0	7.3
VARBL													
CALM												5.7	
	21.0	29.7	30.7	11.7	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION: 07901 DALLAS, TX STATION NAME: 73-62 YEARS: JUN
 CLASS: ALL WEATHER MONTH: 03
 COUNTRY: _____ HOURS (L.S.T.): _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.7									4.0	4.3
NNE	.7	.3	.4									1.3	5.0
NE	1.7	.7										2.0	3.2
NNE	.7	.7										1.3	4.0
E	1.7	2.3		.7								4.0	4.9
ESE	.7	2.3	2.0									5.0	5.0
SE	1.3	2.3	.3	.7								4.7	5.9
SSE	.7	2.7	3.3	2.3	.3							9.7	6.6
S	2.7	8.3	15.3	17.3	.3							37.3	8.7
SSW	5.3	4.3	2.7	1.0								17.7	8.6
SW	.7	.7										1.0	3.7
WSW	.7											.3	2.0
W	.7											.3	2.0
WNW	.7	.7			.3							1.3	8.0
NW	.7	.3			.3							1.0	9.0
NNW	1.3	.7	.7	.7								3.3	6.0
VARBL													
CALM												11.7	
	12.3	28.0	24.7	15.3	1.3							170.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-8 YEARS JUN
 CLASS ALL WEATHER MONTH 06
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3										1.7	4.8
NNE	.7	2.0										2.3	4.1
NE	.7	.3	.3									1.3	4.3
ENE	1.7	1.7										2.3	3.8
E	1.7	2.7	.7									3.7	4.5
ESE	.7	1.3	1.3	.3								5.0	5.2
SE	1.7	1.3	1.7	.3								5.0	5.7
SSE	1.7	3.3	2.7	1.3								9.0	5.8
S	1.7	6.7	17.0	5.3		.7						32.3	5.1
SSW	.7	5.0	2.3	.7								11.7	5.1
SW	1.7											1.7	2.0
WSW	.7	1.0										3.3	3.0
W	.7											.7	2.0
WNW			.3	.3								.7	11.5
NW		1.7		.3	.3							2.3	6.7
NNW	.7	.7		.3								4.0	3.6
VARBL													
CALM												13.7	
	21.3	29.0	26.3	9.0	.3	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION CALLIS, T. STATION NAME 73-47 YEARS JUN
 CLASS ALL WEATHER MONTH JUN
 HOURS (L S Y) 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	.7	1.7	1.7	.7								4.7	6.6
NNE	.7	1.7	1.7									3.7	5.2
NE	.7	.7		.7								1.7	5.6
ENE	.7	2.7										2.7	4.3
E	1.7	.7	1.7									3.7	4.6
ESE	1.7	1.7	.7									3.7	4.6
SE	1.7	1.7	1.7	.7								4.7	6.3
SSE	1.7	2.7	2.7	1.7	1.7							7.7	8.2
S	.7	4.7	12.7	15.7	.7	.7						42.7	9.7
SSW	.7	7.7	5.7	2.7								11.7	8.4
SW	.7	1.7	2.7		.7							4.7	7.6
WSW	.7	.7										.7	2.7
W	.7	.7										1.7	4.3
WNW	.7	.7										1.7	3.3
NW	.7	.7										1.7	3.6
NNW	.7	.3	.7	.7								2.7	5.5
VARBL													
CALM												5.7	
	1.3	24.3	35.7	21.7	1.7	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

U.S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-87 YEAR JUN
 CLASS ALL WEATHER MONTH 12
 HOURS (L.D.T.) 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	.3								5.7	6.2
NNE	.7	2.0										2.7	4.1
NE	.7	1.7	1.7									3.0	6.3
ENE	.7	.7										1.7	4.7
E	1.0	1.7	.3									5.0	3.6
ESE	1.7	.3	1.0	.3								3.3	4.9
SE	1.7	1.7	1.0			.3						4.0	6.0
SSE	1.0	4.7	5.3	2.0	.3							15.3	7.1
S	1.7	5.7	17.7	15.7	1.7	.7						42.0	6.9
SSW	1.7	2.7	2.7	1.0								7.3	7.0
SW		1.0		.3								1.3	6.5
WSW	1.0	.7										1.7	3.0
W	.7	.3	.7									1.3	4.3
WNW	.7	.3		.3								1.0	5.0
NW	1.0	.3	.3									1.7	3.8
NNW	.3	.7	1.7									2.7	7.1
VARBL												1.0	
CALM												1.0	
	11.0	25.3	33.7	20.0	1.3	.7						119.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 27701 DALLAS, TX STATION NAME 73-82 YEAR JUN
 CLASS ALL WEATHER MONTH 15
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.7									4.0	4.9
NNE		2.7	.7									3.3	5.3
NE	.7	.7	1.7									2.0	5.8
NNE	.7	1.7										2.3	4.9
E	1.7	2.3	.7									4.0	4.8
ESE	1.7	1.3	2.7	.3								4.7	6.4
SE	1.7	2.3	1.7	.3								5.0	5.6
SSE	1.7	4.7	7.3	4.0								17.7	8.0
S	1.7	9.0	16.7	12.7	2.3							41.0	9.4
SSW	.7	.7	1.7	1.3	.3							4.3	9.2
SW	.7		.7									.7	5.5
WSW	.7	.7										1.0	4.3
W	.7											.7	2.5
WNW	.7	.3	.7									1.7	6.8
NW	.7	.3	.7									1.3	5.9
NNW		1.7	1.3	.3								3.3	7.0
VARBL													
CALM												3.3	
	11.7	29.7	14.3	18.3	2.7							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 570

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 2231 DALLAS, TX STATION NAME 73-87 YEAR JUN
ALL WEATHER CLASS 19
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.0	.7	1.0								4.0	7.5
NNE	1.0	1.3	.7	.3								3.3	5.7
NE	.3	1.7		.3								2.3	6.0
ENE	.7	1.3	.7									2.7	5.0
E	1.7	4.7	2.7	.3								8.7	5.6
ESE	1.0	1.3	2.7	1.3								6.3	7.5
SE	1.7	4.0	4.7	.3								10.3	6.9
SSE	.7	2.7	9.3	6.7	.3							19.7	9.8
S	2.0	9.0	13.0	9.0	.3							33.3	3.4
SSW	.3	1.0	.3	.3								2.0	6.8
SW	.7	.3										.7	3.0
WSW		.7										.3	4.6
W													
WNW													
NW		.3										.3	5.0
NNW	1.7	1.7		.3								3.7	6.3
VARBL													
CALM												2.3	
	11.7	31.7	34.0	29.0	.7							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 370

NO S. GPO 1984 741 348/201

3MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 4723 DALLAS, TX STATION NAME 77-82 YEAR JUN
 CLASS ALL WEATHER MONTH 21
 HOURS (L.S.T.) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.7									3.3	4.3
NNE	.3	1.3	.3									1.7	4.8
NE		1.7	1.3									2.3	5.6
ENE	2.3	1.3	.3									4.0	3.8
E	1.7	4.0	.7	.3								6.7	5.2
ESE	1.7	5.7	4.0	1.0								12.3	6.2
SE	1.3	6.0	9.3	2.0								18.7	7.2
SSE	2.0	5.7	10.3	4.3	.3							22.7	8.2
S	3.7	7.0	9.7	2.7								19.3	6.2
SSW	1.3	.3										1.7	2.4
SW	.3											.3	1.0
WSW													
W	.3											.3	3.0
WNW													
NW	.3	.3										.7	3.7
NNW	1.3	.3										1.7	3.2
VARBL													
CALM												4.3	
	10.0	34.3	33.0	10.0	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 0291 DALLAS, TX STATION NAME 73-52 YEARS JUN
ALL WEATHER MONTHS
CLAS HOURS (L.S.T.)
CONDIC

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.7	.2								3.7	5.8
NNE	.4	1.7	.5	.2								2.8	4.8
NE	.1	1.1	.5	.2								2.2	5.4
ENE	1.7	1.2	.2									2.4	4.2
E	1.5	2.6	.7	.1								5.7	4.8
ESE	1.2	2.1	2.1	.5								5.9	6.1
SE	1.3	2.2	2.2	.6		.2						7.6	6.5
SSE	1.7	3.4	5.7	3.1	.3							14.4	8.2
S	2.5	7.7	15.2	9.5	.5	.1						39.3	8.8
SSW	2.2	2.2	1.2	1.2	.1							7.3	6.2
SW	.5	.5	.3	.2	.2							1.4	5.2
WSW	.2	.4			.2							1.0	3.8
W	.7	.2	.2									.3	3.6
WNW	.2	.2	.2	.1	.2							.7	6.7
NW	.4	.5	.2	.2	.1							1.2	5.7
NNW	1.1	.5	.5	.3	.2							2.5	5.7
VARB													
CALM												5.7	
	14.6	29.0	31.6	15.7	1.2	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2400

NO. 5 GPO 1984 741 348 201

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-80 MONTH JUL
 CLASS ALL WEATHER MONTH 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												1.3	4.5
NNE	1.0											1.0	2.7
NE	1.0											1.0	2.5
NNE		1.0										1.0	4.0
E	1.0	1.0	1.0									4.5	5.2
ESE	1.0	2.0	1.0									5.0	5.6
SE	2.0	3.0	3.0									9.0	5.6
SSE	1.0	6.0	8.0	1.0								18.0	7.1
S	3.0	12.0	13.0	1.0								30.0	6.3
SSW	2.0	2.0	1.0									7.0	4.7
SW	0.0	0.0										0.0	2.5
WSW													
W													
WNW													
NW	0.0		0.0									0.0	6.0
NNW		0.0										0.0	4.0
VARBL													
CALM												9.7	
	17.2	37.2	30.7	4.5								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 109

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEAR JUL
 CLASS ALL WEATHER MONTH JUL
 CONDITION _____ HOURS (L. S. T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7		.3									.6	6.5
NNE		.5	.3									1.0	5.3
NE	.3	.3			.3							1.0	7.7
ENE	1.3	.6										1.9	2.8
E	.5	1.0										1.5	3.0
ESE	1.0	.5	1.3									2.9	5.2
SE	1.0	2.0	1.0	.3								4.0	5.1
SSE	1.0	3.2	2.3									6.5	6.0
S	4.2	13.2	17.4	3.2								38.1	6.7
SSW	.7	5.9	6.1	.6								21.3	5.0
SW	1.9	1.3										3.2	2.7
WSW	.7											.3	2.0
W		.7										.3	4.0
WNW		.6										.6	5.0
NW	.5	.2										1.0	3.3
NNW	.3	.3	.3									1.0	4.3
VARBL													
CALM												13.9	
	21.5	31.0	29.0	4.2	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-02 YEARS JUL
 CLASS ALL WEATHER MONTH 06
 CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0		.3									1.3	4.3
NNE	.6	1.5										2.1	3.6
NE	1.0											1.0	2.3
NNE	.6	.6										1.2	3.5
E	.6	1.3										1.9	3.5
ESE	1.4	2.9										4.3	3.7
SE	1.4	2.3	.3									4.0	3.8
SSE	1.3	2.6	1.9	.3								6.1	5.7
S	5.3	14.2	8.7	1.0								30.3	5.6
SSW	9.7	12.6	4.5	.3								27.1	4.6
SW	4.2	.7										4.9	2.3
WSW	.3											.3	2.0
W	.6											.6	3.0
WNW													
NW	.3	.3										.6	4.0
NNW	.3											.3	2.0
VARB													
CALM												13.2	
	30.6	38.7	15.6	1.6								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 0791 DALLAS, TX STATION NAME 77-82 YEARS JUL
 CLASS ALL WEATHER MONTH JUL
 CONDITION _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6	.6									2.4	4.0
NNE		.3	.6									1.0	7.3
NE	.7											.2	3.0
NNE	.5	.3	.7									1.3	4.3
E	1.0	1.3	.3									3.3	3.8
ESE	.6	1.0	.7									1.7	5.2
SE	1.0	2.5	.3									4.3	4.0
SSE	7.9	4.5	1.9	.7								10.5	4.6
S	7.2	7.1	11.0	7.1								27.4	7.6
SSW	1.5	8.1	9.4	1.6								19.7	6.9
SW	1.0	2.6	7.9									8.4	5.7
WSW	1.7	1.9	1.7									4.5	5.2
W	1.6	1.0	.5									3.2	4.0
WNW			.7									.6	7.5
NW	.6			.7								1.0	5.7
NNW		1.0										1.0	4.7
VARBL													
CALM												8.1	
	21.0	32.3	20.4	9.4								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 13-02 YEARS JUL
 MONTH 17
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	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	.3								2.6	5.0
NNE	.5	1.0		.3								2.3	5.6
NE	.7	.6										1.3	4.3
NNE	.3	.6	.2	.3								1.6	7.0
E	1.0	1.6	.6									4.2	4.1
ESE	1.0	2.6	1.7									5.8	4.6
SE	2.7	2.9	1.6									7.1	4.5
SSE	3.7	2.4	3.1	1.0								20.3	5.7
S	4.2	4.7	13.5	5.2								32.6	7.4
SSW	1.7	2.6	2.6	.6	.3							7.4	7.3
SW		.7	1.0	.3								1.6	8.4
WSW	.3	2.3	1.0									3.5	5.9
W	.7	.3	.6									1.3	5.0
WNW	1.0	1.0	.2									2.3	4.0
NW	.2		.1									.6	5.0
NNW		.6										.6	4.0
VARB													
CALM												5.7	
	20.3	36.5	29.7	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-87 MONTH JUL
 CLASS ALL WEATHER HOURS (L O Y) 12
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	1.7		.3							3.4	6.1
NNE	1.7	1.7	.8	.3								3.2	5.9
NE	1.7	1.7	.8	.3								1.6	5.6
ENE		1.7	1.7	.3								2.4	6.6
E	1.7	2.2	2.0									9.4	5.6
ESE		2.2	1.8	1.0								7.7	7.7
SE	1.7	1.7	7.1	1.4	.3							13.7	8.1
SSE	1.7	11.2	11.8	2.6								27.4	7.4
S	1.7	7.4	9.7	1.9								20.3	7.2
SSW		1.7	.4									1.1	6.6
SW	.7	.7										1.0	2.3
WSW		.7										.7	5.0
W			.7									.3	4.0
WNW	.7											.6	2.0
NW													
NNW	.3	1.7										1.6	5.1
VARBL													
CALM												4.1	
	10.1	36.2	30.7	8.1	.6							120.1	6.7

TOTAL NUMBER OF OBSERVATIONS 312

8806

NO. 5 GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEAR 1967 MONTH JUL
 CLASS ALL WEATHERS MONTH 7
 CONDITION NOVEMBER 1967

SPEED (KNTS) DIR.	1-3	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	.7									1.0	5.7
NNE	1.4											1.6	2.2
NE	1.4											1.6	3.2
ENE	1.4	1.4	.7									2.6	3.5
E	1.4	5.2	2.7	.5								7.7	5.8
ESE	.7	6.1	3.5									10.6	5.9
SE	1.4	12.3	11.6	1.0								26.3	6.5
SSE	1.4	5.2	5.4	1.0								17.1	7.3
S	4.5	5.2	3.7	.7								14.5	5.3
SSW	1.4	1.4	.7									3.7	3.0
SW	.7	.7										.5	3.0
WSW													
W													
WNW	.7		.7									.9	5.5
NW	.7											.7	2.0
NNW	.7	.7										1.0	4.1
VARBL													
CALM												6.7	
	17.7	39.7	32.0	7.0								170.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME 73-02 YEAR JUL
 MONTH JUL
 CLASS ALL WEATHERED
 CONDITION ALL
 HOURS (LST) ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												1.0	5.1
NNE												1.7	5.0
NE												1.6	5.3
ENE	1.0											2.2	4.5
E	1.0	2.0	1.0									3.0	4.2
ESE	1.0	2.0	1.0									5.4	5.7
SE	1.0	4.0	3.0									10.0	6.1
SSE	1.0	6.0	5.0	1.0								16.4	6.6
S	1.0	17.0	11.0	2.0								28.0	6.9
SSW	1.0	4.0	3.0									11.0	5.9
SW	1.0											2.0	4.1
WSW												1.0	5.0
W													4.6
WNW													4.6
NW													4.6
NNW													4.4
VARBL												5.0	
CALM													
	10.0	35.7	30.7	2.1								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2479

RU S GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 3321 TALLAS, FL STATION NAME 73-27 YEARS AUG
ALL WEATHER MONTH 00
 CLASS CLAS HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	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		.7								2.3	4.9
NNE	.6	.5	.3	.3								1.9	6.3
NE	1.0	1.0		.3								2.3	4.7
ENE	.5	.5										1.0	3.0
E	1.0	3.5	1.6									6.1	5.0
ESE	2.3	3.5	4.5									10.3	6.0
SE	1.0	3.5	4.5	.5								9.7	7.0
SSE	.7	5.2	6.2	1.6								13.9	7.5
S	1.6	12.9	14.2	3.9								32.6	7.3
SSW	4.2	1.6	.7									6.1	3.1
SW	.5											.5	1.5
WSW	.3											.3	3.0
W	.7											.7	1.0
WNW	.7											.3	1.0
NW		.7				.7						.8	1.0
NNW	.5	.3										1.0	3.3
VARBL													
CALM												10.3	
	10.1	33.9	32.3	7.1		.7						100.3	5.7

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 75-82 YEARS AUG
 MONTH 03
 HOURS (LST) 03
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7		.3								1.6	6.2
NNE	1.2	.4	.5	.3								2.4	5.5
NE	.4											.5	1.0
ENE	1.1	.3	.5	.3								2.3	5.3
E	1.1	.3	.6	.6								2.6	7.0
ESE	.2	2.3										2.6	5.0
SE	1.5	4.2	1.7			.7						7.4	5.6
SSE	1.3	4.5	5.5	.3								12.6	6.4
S	1.5	10.6	15.2	2.9	.3							22.7	6.9
SSW	5.0	4.9	2.5									13.2	4.1
SW	1.7	.3										1.9	3.0
WSW	.7											.7	3.0
W	.3											.4	3.0
WNW													
NW	1.7	1.0										1.7	3.5
NNW	.4	1.3	.5									2.5	5.5
VARBL													
CALM												14.8	
	21.8	31.6	27.1	4.9	.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

NO. 5 GPO 1984 741 348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 11731 DALLAS, TX STATION NAME DALLAS, TX YEARS 73-82 MONTH ALL
 CLASS ALL WEATHER
 HOURS (L.S.T.) 16
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.0	.3									2.3	4.1
NNE	1.5		.7									1.9	3.2
NE	.5	.3										1.0	3.7
ENE	1.6	1.7	.3	.3								3.2	4.2
E	1.7	1.5	.5	.3								4.2	4.9
ESE	1.7	2.3										3.2	4.1
SE	2.1	2.9	1.3	.7								6.1	5.2
SSE	2.4	2.2	1.7									9.0	4.2
S	4.2	2.7	3.7	1.2								26.6	6.6
SSW	6.4	7.1	2.6									18.1	4.1
SW	1.1	.7										1.7	2.4
WSW	1.7											1.7	1.5
W													
WNW													
NW			.7									.3	4.0
NNW	1.0	1.0										1.9	4.0
VARBL													
CALM												14.7	
	26.4	31.9	19.5	4.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEAR 78-87 MONTH AUG
 CLASS ALL WEATHER MONTH 09
 COORDINATE _____ HOURS (LST) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	.6									3.2	5.1
NNE	.4	.5										1.3	3.8
NE	.4	1.7	.8									2.2	5.3
NNE	1.0	.3	.7	.3								1.9	5.7
E	1.0	1.3	1.7									3.2	4.9
ESE	1.0	2.3	.7	.7								4.8	4.6
SE	1.0	3.0	1.1	.3								5.2	4.9
SSE	3.0	3.9	2.7									10.2	4.6
S	3.2	11.1	10.3	3.6	.3							28.7	7.2
SSW	2.3	5.2	5.8	5.2								18.6	7.9
SW	1.8	2.6	1.6	.7								5.2	5.6
WSW	1.8	1.7	.6									2.6	4.9
W	.2											.3	2.0
WNW	.7	.3	.7									1.0	4.7
NW		.7										.7	4.0
NNW	.7	.3	.6									1.3	5.5
VARBL													
CALM												9.0	
	20.0	34.4	25.6	10.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

U.S. GPO 1984 741-348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 71-07 YEAR 1957
 CLASS ALL WEATHER MONTH 12
 HOURS (L Y T) 17
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	1.7	1.3								4.9	6.9
NNE	.3	1.9	.3									2.6	5.5
NE		1.9		.3								2.3	4.4
ENE	.7		.3									.6	4.5
E	2.3	2.3	.6	.3								5.6	4.5
ESE	2.3	2.6										4.8	3.3
SE	3.7	5.5	.4									10.0	3.7
SSE	4.1	9.7	3.7	.3								22.9	5.6
S	2.3	1.4	17.3	4.5								25.5	7.4
SSW	1.7	1.7	2.9	1.3								6.8	7.8
SW	.4	1.7										1.8	3.8
WSW	1.7		.6	.3								1.9	5.3
W	1.7	.3										1.3	2.8
WNW													
NW	.7		.6									1.7	5.7
NNW		1.7	.6									1.6	6.6
VARBL													
CALM												6.0	
	20.3	37.7	26.8	8.4								100.7	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME DALLAS, TX YEARS 73-82 MONTH AUG
 CLASS ALL WEATHER HOURS (L.S.T.) 15
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	.7	1.0								2.8	6.9
NNE	1.1	1.7	1.0									2.8	5.4
NE	1.0	.7	.3	.6								2.3	6.3
ENE	.4	1.0	.5									2.3	5.3
E	.7	2.3	1.3	.6								7.1	5.3
ESE	.7	.7	1.0									7.4	5.6
SE	7.7	4.5	3.2	.3								11.6	5.3
SSE	3.7	11.7	7.4	1.6								24.5	5.9
S	7.4	6.3	9.7	2.2								23.5	7.6
SSW	.7	1.6	1.7	1.7								4.8	7.3
SW			1.7									1.0	10.0
WSW		.7										.7	4.0
W	.7											.7	3.0
WNW		.4										.6	5.0
NW	.7	.3	.3									1.0	5.3
NNW		.3	1.7									1.0	7.2
VARBL													
CALM												5.7	
	17.4	37.4	29.4	10.3								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-02 YEAR 19 MONTH 18
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	.6	.3								3.2	5.3
NNE	1.0	.7	1.0									2.9	6.0
NE	.6	.6	1.7									2.3	6.0
ENE	.5	2.3	1.3									4.2	5.5
E	1.9	5.2	4.6	1.0	.3							13.2	6.7
ESE	1.0	4.0	5.0	.6	.3							12.6	7.2
SE	1.2	5.5	4.2	1.9								13.2	6.7
SSE	2.3	4.2	3.7	2.9								19.0	7.3
S	1.3	5.0	3.4	3.2								18.7	7.6
SSW	.2	.5	.3									1.3	4.5
SW	.6											.6	2.5
WSW		.3										.3	6.0
W	.6	.3	.7									1.6	4.3
WNW	.3	.6										1.0	3.7
NW	.2	.3										.6	4.5
NNW	.0	1.3	1.0									2.3	5.6
VARS													
CALM												2.6	
	14.5	33.7	32.9	12.9	.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS 1950 MONTH 21
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.3									2.0	4.3
NNE	.7		.3									1.0	4.3
NE	.7	.6	.5									1.9	4.6
ENE	.7	1.6										2.3	3.7
E	7.7	6.1	3.2	.3								11.9	5.9
ESE	7.0	7.4	7.4	.6	.3							19.7	6.1
SE	4.2	4.4	7.4	1.3	.3							21.6	6.2
SSE	.9	6.0	9.6	1.7								17.7	7.0
S	2.0	6.5	2.3	1.7								10.7	5.5
SSW	1.3	1.7	.3	.3								2.9	4.8
SW													
WSW													
W	.7	.3										.6	4.0
WNW													
NW		.3										.3	4.0
NNW	.3	1.0										1.3	4.0
VARBL													
CALM												6.1	
	17.7	39.7	31.7	4.5	.6							100.7	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 9371 DALLAS, TX STATION NAME 13-32 YEAR 1958 MONTH AUG
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.4	.4								2.9	5.6
NNE	.5	.6	.5	.1								2.1	5.2
NE	.6	.7	.2	.2								1.9	5.3
ENE	.3	.2	.4	.1								2.3	4.9
E	1.3	2.8	1.7	.4	.7							6.7	5.7
ESE	1.7	3.8	2.5	.2	.1							8.2	5.8
SE	2.4	4.7	2.9	.6	.7	.1						10.7	5.7
SSE	2.7	5.4	6.4	1.2								16.2	6.3
S	2.7	5.7	9.9	3.5	.1							24.9	7.1
SSW	2.7	2.8	7.1	1.2								9.0	5.6
SW	.7	.5	.7	.7								1.6	4.6
WSW	.5	.2	.2	.7								.9	4.5
W	.4	.1	.7									.6	3.2
WNW	.1	.2	.7									.4	4.0
NW	.2	.3	.2			.7						.8	5.8
NNW	.4	.8	.5									1.7	5.3
VARIABLE													
CALM												9.1	
	12.4	33.0	29.5	7.5	.2	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2490

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-92 YEARS SEP
ALL WEATHER MONTH 00
 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	0.0	0.0	0.0									9.0	4.7
NNE	1.7	2.0	0.7									4.3	4.3
NE	1.0	0.7	0.3	0.3								2.3	4.9
ENE	1.7		0.7									2.3	4.1
E	0.0	2.0	1.0									5.0	4.3
ESE	1.7	2.7	3.7	1.0								8.7	6.5
SE		4.7	3.7	2.0								9.7	7.6
SSE	1.7	4.0	3.7	1.0								10.0	6.4
S	4.7	4.0	9.3	2.3								20.3	6.7
SSW	2.3	2.7	0.3	0.3								5.0	4.6
SW	1.0	0.3										1.7	3.0
WSW													
W			0.7									0.7	6.0
WNW	0.7											0.7	2.0
NW		0.7										0.7	4.0
NNW	0.0	1.3	0.7	0.3								4.3	4.5
VARS													
CALM												15.3	
	23.3	27.7	26.3	7.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 23-02 YEAR SEP
 CLASS ALL WEATHER MONTH 01
 HOURS 14 00 T
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	1.7	1.7									7.3	4.7
NNE	.7	.7	1.7									2.0	5.5
NE	0.3	2.3	.7									5.0	3.4
ENE	1.0	.7	.7									2.0	4.2
E	0.3	.7	.7									3.3	4.0
ESE	1.7	1.3	.7	.7								3.7	4.9
SE	0.3	2.7	.7	.3								6.0	4.9
SSE	.7	4.7	4.7	1.7								10.0	7.3
S	0.3	7.3	7.3	3.3								21.0	7.2
SSW	.7	2.7	.7									6.7	4.0
SW	1.7											1.7	1.4
WSW	.7	.7										.7	4.5
W	.7		.7									.7	4.5
WNW	.7	.3										.7	4.0
NW	1.7	.3										1.7	2.6
NNW	2.2	2.0	2.0									6.7	4.7
VARBL													
CALM												10.0	
	27.0	25.3	19.3	5.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 470

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-67 YEARS SEP
 CLASS ALL WEATHER MONTH 06
 HOURS (L & Y) _____
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.0	3.1	2.7	.7								9.7	5.6
NNE	4.7	1.5	.7	.7								6.3	3.3
NE	2.0	.3	1.0									3.3	3.2
ENE	1.7	1.0										2.3	3.3
E	3.0	.7	.7									3.0	3.3
ESE	1.7	1.7										1.3	3.8
SE	1.7	3.0	1.7									6.3	4.9
SSE		3.7	4.7	.3								8.7	6.8
S	4.7	6.3	4.7	2.7								18.5	5.9
SSW	1.7	3.3	1.7									5.7	4.8
SW	1.7											1.0	1.7
WSW	.7		.7									.7	4.0
W	.3	.3										.7	3.5
WNW	.3	.7	.7									1.0	4.7
NW	2.3	1.3	.7									4.0	3.8
NNW	3.0	2.3	.7	.3								6.0	4.1
VARBL													
CALM												70.1	
	20.7	24.0	17.0	4.7								100.1	3.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEAR 1950 MONTH FEB
 CLASS ALL WEATHER HOURS (LST) 09
 CONDITION _____

SPEED (KNTS) DIR.	1-3	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	4.3	2.0								12.7	7.2
NNE		2.0	1.0	0.7								3.7	6.6
NE	1.0	1.7	1.0									3.7	5.9
ENE		1.0	1.0									2.0	5.9
E	1.0	1.7	1.0	0.7								4.7	5.4
ESE	1.0	1.0										3.0	4.2
SE	1.0	2.0	1.0	1.0								7.0	6.0
SSE	0.7	1.0	3.0	1.0								11.7	5.7
S	1.0	3.0	5.0	6.0								16.0	8.9
SSW	1.0	2.0	1.0	2.0								8.0	6.2
SW		1.0	1.0	0.7								3.0	6.9
WSW												0.7	2.0
W												0.7	7.0
WNW												0.7	6.0
NW			1.0									2.0	5.9
NNW	1.0	2.0	0.7									4.0	4.9
VARBL													
CALM												10.7	
	10.7	24.0	23.0	13.0								170.7	5.7

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER YEARS 1961-62 MONTH 12
 CLASS ALL WEATHER HOUR (L & Y) 12
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	2.7	7.7								11.3	7.5
NNE	1.7	1.7	1.7	1.3								5.0	5.7
NE	1.7	1.7	2.7	1.3								4.7	6.8
ENE	1.7	1.7	1.7	1.7								3.7	5.7
E	1.7	1.7	1.7	1.7								6.0	4.9
ESE	1.7	1.7	1.7	1.7								2.0	3.7
SE	1.7	1.7	1.7	1.7								6.0	6.0
SSE	1.7	1.7	1.7	1.7								17.7	6.3
S	1.7	4.7	5.7	5.7	1.7							15.7	9.2
SSW	1.7	1.7	3.7	7.7								6.7	8.6
SW	1.7	1.7	1.7	1.7								1.7	6.1
WSW	1.7	1.7	1.7	1.7								1.7	3.1
W		1.7	1.7	1.7								1.7	9.0
WNW		1.7	1.7	1.7								1.7	6.0
NW	1.7	1.7	1.7	1.7								2.3	7.0
NNW	1.7	1.7	1.7	1.7	1.7							5.0	7.7
VARBL													
CALM												4.7	
	20.7	25.7	27.7	17.7	1.7							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 350

NO. 1584 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 73-82 STATION NAME ALL WEATHER YEAR 73-82 MONTH SEP
 CLASS ALL WEATHER HOUR (L.S.T.) 19
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.7	2.7								11.3	3.7
NNE	1.7	3.7	2.7	.7								7.3	6.4
NE	.7	2.7	1.3	.7								5.7	6.9
ENE		2.3	1.7									3.3	5.6
E	1.7	2.3	1.7	.7								5.7	6.4
ESE	2.7	3.3	2.3	.7								8.7	4.9
SE	1.3	2.7	1.3	1.7								7.7	5.4
SSE	4.7	3.3	3.7	1.7								13.7	5.9
S	1.7	3.7	2.7	4.3								15.7	8.6
SSW	1.7	1.7	1.3	1.7								5.7	7.4
SW		.7	.7		.3							1.7	11.3
WSW													
W		.7		.3								.7	6.0
WNW	.7	.7	.7									1.7	5.4
NW	.7	.7	.3	.7								1.7	7.4
NNW	1.7	1.7	.7	1.3								5.3	6.6
VARBL													
CALM												5.7	
	17.7	31.7	29.7	15.3	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1951 SEC 2011
ALL WEATHER
 CLASS CLAS HOURS (LST) 10
 CONDITION _____

SPEED (KNTS) DIR.	1 - 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	5.0	1.0								11.3	6.7
NNE	1.0	3.0	7.0									6.0	4.7
NE		2.0	1.0									6.0	3.0
ENE		7.0	1.0	7.0								6.7	6.6
E	7.0	5.0	4.0									12.3	5.6
ESE	1.0	5.0	7.0									17.0	5.9
SE		7.0	4.0	7.0								12.3	5.0
SSE	1.0	7.0	7.0	1.0	3.0							12.7	7.7
S	1.0	5.0	7.0	2.0								12.0	7.1
SSW												1.0	5.0
SW													0.0
WSW													0.0
W													0.0
WNW		1.0										1.0	4.0
NW													27.0
NNW			1.0	1.0	7.0							3.0	9.1
VARBL													
CALM												0.0	

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

5702 SURFACE WINDS JAN 78

U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEARS 72-92 MONTH SEP
 CLASS ALL WEATHER HOUR (LST) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	1.7									7.3	4.8
NNE	2.3	2.0	1.7	.7								7.7	4.8
NE	2.3	1.3										3.7	3.3
ENE	1.0	2.7										5.7	3.4
E	1.7	4.7	2.3	.7		.7						9.7	6.6
ESE	1.7	5.3	1.3	.7								8.7	5.9
SE	2.0	4.7	5.3	1.3								13.0	6.8
SSE	1.7	3.0	5.7	3.3	.3							13.7	6.7
S	1.7	2.7	3.3	1.7								9.3	7.1
SSW	1.7											1.7	2.0
SW	.7											.3	2.0
WSW													
W	.7	.3										.7	3.5
WNW	.3											.3	3.0
NW	.3	.7										1.0	4.3
NNW	1.7	2.3	1.7	.3								6.7	5.2
VARBL													
CALM												17.0	
	24.7	32.3	21.7	8.7	.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

NO. 100 1984 741 148 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 77-80 MONTH SEP
ALL CLAS 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	0.3	2.0	3.4	1.2								5.9	5.5
NNE	1.0	2.0	1.1	0.7								4.8	5.1
NE	1.0	1.0	1.0	2.0								4.0	5.2
ENE	1.0	1.0	0.7	0.7								3.0	4.8
E	1.0	2.0	1.0	2.0		0.7						6.0	5.8
ESE	1.0	2.0	1.0	0.5								6.0	5.5
SE	1.0	3.0	3.2	0.7								8.0	6.0
SSE	0.3	3.0	0.0	1.6	0.7							11.0	6.7
S	0.3	4.5	3.7	3.5	0.7							16.1	7.6
SSW	0.0	1.5	1.2	0.7								11.0	6.2
SW	0.0	0.0	0.0	0.0	0.0							1.0	5.1
WSW	0.0	0.1	0.1	0.0								0.6	4.0
W	0.0	0.0	0.0	0.1								0.8	6.2
WNW	0.0	0.0	0.0	0.0								0.5	6.2
NW	0.0	0.0	0.0	0.1								2.0	6.7
NNW	1.0	1.0	1.0	0.5	0.1							5.1	5.0
CALM	X											10.3	
	12.0	10.0	23.0	9.9	0.7							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

5702 SURFACE WINDS JAN 78

U.S. GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION CALLAN, TX STATION NAME 71-62 YEAR 1951 MONTH 00
 CLASS ALL WEATHER HOUR (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	0.0	2.0	.0	.0								6.0	5.0
NNE	1.0	1.0	.0									2.0	4.6
NE	1.0	.0										1.0	2.0
ENE	1.0	.0	.0									1.0	4.5
E	1.0	.0	.0	.0								2.0	5.0
ESE	.0	1.0	1.0	.0								4.0	6.1
SE	1.0	1.0	1.0	1.0	.0							6.0	8.0
SSE	1.0	2.0	5.0	1.0								11.0	7.4
S	1.0	4.0	7.0	4.0	.0							20.0	7.6
SSW	4.0	2.0	1.0	.0								9.0	4.7
SW	2.0	.0										2.0	2.4
WSW	1.0					.0						1.0	7.3
W	.0		.0									1.0	5.3
WNW	.0	.0		.0								1.0	6.0
NW	.0	1.0	.0									1.0	5.5
NNW	1.0	1.0	1.0	.0								5.0	6.2
VARBL													
CALM												19.0	
	24.0	22.0	21.0	11.0	.0	.0						130.0	5.1

TOTAL NUMBER OF OBSERVATIONS 110

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS 007
 MONTH 03
 CLASS ALL WEATHER
 HOURS (LST) 03
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0	1.0	1.0								7.4	6.0
NNE	1.0	0.0	1.0									2.9	4.6
NE			1.0									1.0	8.3
ENE	0.0	0.0		0.0								1.0	7.2
E	1.0	1.0	1.0									3.5	4.6
ESE	1.0	0.0	0.0									1.0	3.8
SE	1.0	1.0	1.0	1.0								5.0	7.3
SSE	0.0	2.0	4.0	1.0								6.7	8.0
S	1.0	4.0	8.0	4.0								21.3	7.4
SSW	0.0	4.0	2.0	0.0								12.0	4.4
SW	0.0		0.0									3.5	3.2
WSW	0.0											1.0	1.7
W	0.0	0.0	0.0									1.0	5.0
WNW	0.0	1.0		0.0								1.0	5.0
NW	0.0	1.0	0.0									1.0	4.9
NNW	1.0	1.0	1.0	0.0								5.2	5.9
VARBL													
CALM												18.7	
	24.9	21.9	22.9	10.6								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

U.S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION WALLACE, TN STATION NAME 73-92 YEARS 1951 MONTH OCT
 CLASS ALL WEATHER
 HOURS (L.S.T.) 76
 CONDITION

SPEED (KNTS) DIR.	1-3	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	.0	1.0	.3	.3	.3						4.2	7.2
NNE	1.0	.4	.3	.3								2.3	5.3
NE	1.0	.3	1.0									3.2	4.7
ENE	1.0	.3	1.0									2.6	4.8
E	.0	.6	.6									1.9	5.0
ESE	2.3	2.6	.6									5.5	4.4
SE	1.0	1.9	.6	1.0		.3						5.5	7.1
SSE	.0	2.6	4.5	.6								8.9	7.4
S	.3	4.5	4.5	2.6								15.2	7.3
SSW	3.0	2.6	2.6									8.7	4.7
SW	1.0	.6	.3									4.5	2.9
WSW	2.6	.6	.3									3.5	2.4
W			.3									.3	7.0
WNW	.6	.6	.6									1.9	5.7
NW	.6	1.9	1.6	.3								4.5	7.1
NNW	1.5	1.9	1.3	.6								5.8	5.6
VARBL													
CALM												71.3	
	24.1	22.6	17.2	5.8	.3	.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 710

NO. U.S. GPO 1984 (41 348-201)

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-22 YEARS 00*
ALL WEATHER CLASS 0°
 CONDITION NOV 55 (L S T)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	3.5	1.6	.3							7.7	8.5
NNE	1.0	1.0	.3	.3								2.6	5.4
NE	.3	1.0	.4									1.7	5.3
ENE	.4	.3	.4	.5								2.3	7.0
E	1.0	1.0	1.0									4.0	4.9
ESE	.3	1.0	1.7									3.0	6.8
SE	1.0	2.3	1.7	1.3								6.3	6.4
SSE	1.7	2.0	3.2	1.3	.3							10.6	6.5
S	2.6	4.0	9.7	4.2	.6							21.0	8.2
SSW	2.0	2.3	1.0	1.0	.3							8.4	6.9
SW	1.0	1.7	.6									4.5	4.2
WSW	.7		.3									1.0	5.3
W		1.0		.3								1.3	6.3
WNW		1.0	.6	.3								1.7	4.7
NW	1.0	.5		.6	.3							2.6	7.6
NNW	.6	1.7	1.7	1.7								4.4	3.0
VARBL													
CALM												13.0	
	15.7	24.5	24.1	13.2	1.9							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: DALLAS, TX STATION NAME: DALLAS, TX YEARS: 73-82 MONTH: 00
 CLASS: ALL WEATHER MONTH: 12
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.3	1.9	3.2	.6							9.4	9.2
NNE	.3	1.6	.7	1.0								3.6	6.6
NE	.3	1.6	.7	.7								2.6	6.6
NNE	.7	1.3	1.3									2.6	6.6
E	1.4	1.7	1.6									4.2	4.8
ESE	1.7	1.6	1.3									4.6	4.5
SE	1.7	1.5	1.7									4.2	5.3
SSE	2.7	4.5	4.2	1.0								13.0	5.2
S	2.7	3.9	2.1	10.0	1.0							26.1	9.4
SSW		1.0	1.7	2.3	.3							5.6	9.6
SW		1.6	1.3									2.9	6.3
WSW	.7	.3	.5									1.3	5.3
W	1.3	.3	1.7		.3							3.2	6.2
WNW	.3	.3	.5	.3								1.6	7.6
NW	.3	.7	1.9	.7								2.9	7.7
NNW	.6	1.0	2.3	1.6								5.5	8.5
VARBL													
CALM												5.9	
	17.7	25.5	28.7	20.0	2.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION TALLAS, T. STATION NAME 77-31 MONTH 1

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.2	5.2	1.0	.3							11.2	2.4
NNE	.0	2.3	1.0		.3							4.2	6.5
NE	1.3	1.0	1.3	.3								3.9	6.2
NNE	.0			.5								1.3	6.5
E	2.3	1.0	.7									4.0	6.0
ESE	2.3	2.7	1.0									6.1	4.9
SE	2.4	2.7	1.3	.3								7.4	4.7
SSE	2.5	1.3	5.5	4.2	.3							14.2	6.1
S	1.4	4.5	5.7	6.5	.6	.7						22.9	9.3
SSW	.7	.6	.6	1.6	.3							3.5	10.5
SW	.0	.7	.6	.3								1.3	7.8
WSW	.7	1.3	.3									1.4	4.9
W	.0	.3			.3							1.3	6.8
WNW	.3	.3	.6									1.3	6.0
NW	1.0	1.3	1.6	1.3								5.2	7.2
NNW	.6	1.0	1.3	1.9								4.8	6.5
VARB													
CALM												5.4	
	18.4	24.7	20.4	19.3	2.3	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 DATE _____ CLASS _____ HOURS (LST) _____
 LOCATION _____

SPEED (KNTS) DNE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WWW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME DALLAS, TX YEARS 73-93 MONTH OCT
 CLASS ALL WEATHER HOURS (LST) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	2.3	3.2	0.7								7.7	6.1
NNE	0.7	0.0	1.7									4.2	4.4
NE	1.7	0.7										1.7	2.8
ENE	0.0	1.7										1.7	4.0
E	1.7	2.3	1.7									4.5	4.9
ESE	1.7	2.3	0.6									6.5	5.0
SE	1.7	3.2	0.6	2.3								14.2	7.2
SSE	0.7	2.3	0.6	1.7	0.7							10.6	6.1
S	0.7	0.7	3.2	1.7	0.7	0.7						13.5	6.9
SSW	0.7	1.7		0.7								3.9	3.5
SW	1.7	0.7										1.7	2.8
WSW	0.7											0.7	2.0
W	0.7		0.7									1.7	6.0
WNW	0.7	0.7	0.7									1.7	5.3
NW	0.7	1.7	0.7	0.7								2.3	6.0
NNW	0.7	1.7	1.7	0.7	0.6							5.0	6.5
VARBL													
CALM												20.7	
	21.4	25.2	24.6	6.5	1.3	0.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

RU.S. GPO 1984 741 348 701

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-52 MONTH ALL
 CLASS ALL
 HOURS (L & Y) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	2.5	1.5	.2	.1						7.0	7.3
NNE	1.2	1.2	.2	.2	.2							3.4	5.2
NE	.2	.2	.2	.1								2.3	5.1
ENE	.1	.2	.4	.2								2.1	5.5
E	1.0	1.2	.2	.2								4.4	4.4
ESE	1.2	2.2	1.2	.2								5.1	5.2
SE	1.0	2.1	2.1	1.1	.2	.1						7.5	6.6
SSE	1.2	2.0	.4	1.5	.1							11.4	7.4
S	1.0	4.5	6.2	4.4	.4	.1						12.4	7.0
SSW	2.1	2.2	1.2	.2	.1							3.0	5.2
SW	1.2	.2	.2	.2								2.1	3.9
WSW	.2	.2	.2									1.2	3.4
W	.2	.2	.2	.2	.1							1.2	5.2
WNW	.2	.2	.2	.2								1.2	5.2
NW	.2	1.1	.2	.4	.1							3.2	4.2
NNW	1.0	1.4	1.2	1.2	.1							5.3	7.2
VARBL													
CALM												14.1	
	12.5	25.0	24.5	11.2	1.2	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2400

NO S GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, TN YEARS: 1977-80 MONTH: NOV

CLASS: ALL WEATHER HOURS (LST): 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
VARBL													
CALM												10.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 100

U.S. GPO 1984 741-148-201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-52 MONTH NOV
 CLASS ALL WEATHER HOURS (L & T) 03
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	2.3								9.3	7.9
NNE	1.7	1.7		.3								3.7	4.1
NE	1.7	1.7										2.7	3.6
ENE	.3		.7									1.0	5.7
E		.7	.7									1.4	6.0
ESE	1.0	.7		.7								1.7	4.6
SE	.7	1.7	1.7	.3								4.4	6.6
SSE	.7	.7	.7	.7								5.2	7.0
S	.7	5.3	5.7	2.3	.3							17.0	9.1
SSW	.7	.7	1.7	1.3	.3							9.0	6.6
SW	.7	.7										2.7	3.4
WSW	.7											2.0	2.0
W	.3	.7		.7								1.7	7.0
WNW	.7	2.7	1.7	.7	.7							5.7	7.9
NW	.7	1.7	1.7	1.7								8.0	5.1
NNW	.7	1.7	2.7	1.3								7.0	6.6
VARBL													
CALM												19.7	
	20.3	26.2	21.3	12.0	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 310

NO. 5 GPO 1964 741 348 201

3MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: DALLAS, TX STATION NAME: 77-85 YEAR: NOV
 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	1.7	3.0	1.7								5.7	7.9
NNE	.5	1.7	1.7									3.9	6.0
NE	.5	.7										1.2	3.7
ENE	1.7	.7		.3								2.3	4.1
E	.7	1.7										1.3	4.0
ESE	.7		1.7									1.3	6.5
SE	.7	2.7	.7	.3								5.0	5.1
SSE		2.7	2.7	2.0								7.7	8.0
S	2.7	4.7	5.7	1.0								16.0	6.9
SSW	2.7	2.3	1.7	1.0								7.3	6.1
SW	1.0	.7		.3								4.0	3.4
WSW	1.7											1.7	2.0
W	1.7	1.3	.3	.7								3.3	5.5
WNW	.7	1.3	1.3	.7	.3							4.3	5.1
NW	.7	.7	1.3	1.7								4.3	8.6
NNW	.7	2.3	2.3	2.0								8.7	7.5
VARIE													
CALM												22.0	
	33.0	23.3	22.7	11.7	.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 370

U.S. GPO 1984 741 348 201

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEAR NOV
 CLASS ALL WEATHER MONTH NOV
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	2.7	2.3	.3							9.7	7.9
NNE	.7	1.3	.3	.3								2.3	5.7
NE	.7	.3	.7	.7								2.3	7.1
NNE	1.7	.3										1.3	2.5
E		1.7	.3									2.0	5.2
ESE	.3	1.0	.7									2.0	5.8
SE	1.7	2.0	2.7									6.3	5.5
SSE	1.7	2.3	2.0	1.7								7.7	6.9
S	4.3	4.3	7.0	5.3	.3							21.3	7.5
SSW	2.7	3.0	2.3	1.7								9.7	6.4
SW	1.7		.7	.3								2.0	6.2
WSW	1.7			.3								1.3	9.8
W		.3	.7	.3								1.0	6.7
WNW	.7	.3	2.7	1.0	.7							4.3	10.4
NW	.7	1.3	2.7	1.3								5.3	7.6
NNW	1.7	1.7	1.7	5.3								6.7	10.0
VARBL													
CALM												12.7	
	17.7	23.0	25.7	20.3	1.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

RU S GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 01001 DALLAS, T. STATION NAME 73-92 YEARS NOV
 CLASS ALL WEATHER MONTH 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	2.7	3.7	.7							9.0	9.7
NNE	.7	1.7	.7	.3								2.7	6.6
NE	.7	1.7	.7	.7								3.0	7.3
ENE	1.7		.7									1.3	6.0
E	1.7	1.7	.7									3.0	6.2
ESE	1.7	.7	1.7	.7								3.3	5.3
SE	1.7	1.7	1.7	.3								4.0	5.1
SSE	1.7	3.7	2.3	2.3								12.0	6.6
S	.7	1.7	6.3	4.7	1.3							20.0	10.5
SSW	.7	1.7	2.3	2.0	.7							6.7	9.7
SW	.7	1.7	.7	.3	.3							3.0	7.6
WSW	.7	1.3	.7		.7							2.7	6.9
W	.7	1.7	1.3	.3								4.0	6.4
WNW		1.3	1.7	2.7	.3							5.0	9.8
NW		.7	2.0	2.3	.3							6.7	9.4
NNW	.7	1.7	2.0	3.0								7.0	10.0
VARBL												6.7	
CALM													
	14.7	23.7	25.3	25.7	4.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 300

NOV 1984 74 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1952 MONTH NOV
 CLASS ALL WEATHER HOURS (LST) 15
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	1.0								2.7	8.6
NNE	1.7	1.3	2.0	.3								5.0	6.1
NE		.7										.7	5.0
ENE	.2		.3	.3								1.3	5.0
E	.3	1.7										2.0	4.2
ESE	1.0	2.0	.7									3.7	4.6
SE	1.5	2.3	2.7		.7							6.7	6.4
SSE	2.0	4.0	4.0	2.7								13.7	7.1
S	2.0	2.0	3.7	4.0	2.0	.3						18.0	10.7
SSW	.3	.7	3.0	.7	.3							5.0	9.1
SW	.7		1.7	.3								2.3	7.4
WSW	.7	.3	2.3	1.0								4.2	5.2
W	.7	.7	1.0	1.0								3.0	6.1
WNW	.7	.7	1.0	1.3								3.7	9.2
NW	1.0	1.3	1.7	2.0		.3						6.7	8.8
NNW		1.7	3.0	4.3	.3							9.0	11.0
VARBL													
CALM												6.7	
	14.3	20.0	30.3	25.0	3.0	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 100

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS NOV
 CLASS ALL WEATHER MONTH 10
 HOURS (LST) 10
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.0	4.0	4.0	1.0								12.0	5.8
NNE	1.0	1.0	0.7	0.7								3.3	6.3
NE	1.0	0.3										1.3	2.5
ENE	1.0	0.3										2.0	2.8
E	7.0	2.3										5.3	4.1
ESE	1.0	2.0	0.7	0.3								7.0	4.3
SE	0.3	4.7	1.7	0.3								8.7	5.2
SSE	0.7	5.7	4.7	0.7								13.7	6.0
S	7.3	1.7	3.3	2.7	0.3							11.3	7.5
SSW	1.0	1.3	0.7									2.7	4.0
SW	0.3	0.3	0.3									1.0	5.0
WSW	0.3		0.3									0.7	5.0
W	1.0	0.7		0.7								2.0	4.7
WNW	0.7	0.7	1.0	0.7	0.3							3.0	6.6
NW	1.0	1.7	1.0	1.0								6.7	7.3
NNW	0.7	5.0	7.0	1.3								9.7	6.8
VARIABLE													
CALM												4.7	
	25.7	32.7	22.3	9.0	0.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

NO. 5 GPO 1964 / 41 348 / 201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 73-82 YEARS NCV
 MONTH 21
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	1.7	2.0	2.3	.3							12.3	6.6
NNE	.7	1.7	.7	.3								3.3	4.0
NE													
ENE	1.3	1.0										2.3	3.4
E	1.3	1.1	1.0									3.3	4.3
ESE	1.3	1.7	1.7	.7								5.3	6.1
SE	.7	.7	2.0	.7								4.0	7.8
SSE	.7	5.3	7.7	2.0								12.3	6.5
S	7.3	5.3	4.7	2.3	1.0							16.7	7.4
SSW	1.7	1.7	.7	1.0								4.7	5.6
SW	2.3											2.3	2.0
WSW	.7											.3	3.2
W	1.0	.7	.7	.7								2.3	5.0
WNW	.3	.7	.7	1.0								2.3	3.3
NW	1.7	2.0	2.3	.3								6.3	6.2
NNW	2.7	1.7	2.0	.7								7.0	5.7
VARBL													
CALM												15.0	
	25.0	26.3	20.7	11.7	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION WALLEN, T. STATION NAME WALLEN, T. YEARS 19-82 MONTH NOV
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.7	2.7	2.7	.2							9.7	7.6
NNE	.9	1.3	.7	.3								3.2	5.6
NE	.5	.7	.2	.2								1.5	5.3
ENE	1.0	.3	.1	.1								1.6	3.8
E	.2	1.1	.7									2.5	4.1
ESE	1.2	1.2	.7	.2								3.4	5.1
SE	1.3	1.5	1.7	.4	.1							5.3	6.2
SSE	1.0	3.7	3.1	1.7								10.3	6.8
S	2.1	3.5	5.7	4.4	.8	.7						17.3	8.5
SSW	1.2	2.1	1.4	1.1	.2							6.9	6.8
SW	1.5	.4	.4	.2	.0							2.5	4.5
WSW	.4	.2	.4	.2	.0							1.7	3.4
W	.7	.5	.5	.5								2.5	6.2
WNW	.6	.9	1.3	1.0	.2							3.9	5.8
NW	1.1	1.8	1.3	1.2	.0	.0						6.1	7.3
NNW	1.4	2.2	2.1	2.5	.0							8.1	8.0
VARBL													
CALM												13.7	
	20.0	25.0	23.5	16.1	1.6	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2070

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION WALLAS, TN STATION NAME WALLAS YEAR 73-82 MONTH DEC
 CLASS ALL WEATHER MONTH 30
 CONDITION _____

SPEED (KNTS) DIR.	1 - 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	2.3	2.0	2.9								9.7	3.2
NNE	.3	.6		.3								1.3	6.6
NE	.3	.7			.3							1.3	6.7
ENE													
E	1.0	1.3										2.3	3.7
ESE		.5	1.0									1.5	7.0
SE	1.0	2.3	1.9									5.2	5.1
SSE	.6	1.0	2.3	1.9								6.8	4.1
S	2.3	3.0	5.5	7.1	.3							19.0	9.0
SSW	2.2	3.4	1.9	1.3								10.2	5.3
SW	2.9	1.0	.5									4.4	3.5
WSW	1.0	.3	.3									1.6	4.4
W	.4	1.3	.6	.6								3.2	7.2
WNW	.7	.3	1.7	.3								1.9	6.3
NW	1.6	2.9	3.5	1.3								9.6	6.8
NNW	1.0	1.9	2.3	1.9	1.0							8.1	8.9
VARBL													
CALM												13.9	
	19.4	24.5	23.4	17.7	1.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

NOV 1984 741 348 / 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-82 YEAR 82 MONTH DEC
 CLASS ALL WEATHER HOUR(S) 23
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	2.7	2.6	2.6	.6							10.0	9.2
NNE	1.9	.5										2.6	3.4
NE	.5	.7	.7									1.3	4.3
ENE	.7		.7									.6	5.0
E	.5											.6	2.5
ESE	.7	1.7	.5									2.3	5.6
SE	.5	.7	.7	.3								1.6	5.2
SSE	.5	4.3	1.7	1.7		.7						8.1	6.8
S	1.3	3.5	5.7	5.5	.6							17.7	8.9
SSW	1.7	5.5	3.7	1.7								13.7	5.6
SW	2.6	1.3										3.7	2.8
WSW	1.7	.7	.3									2.6	2.9
W	1.6	.6		.7								2.3	3.9
WNW	.5	1.7	1.7	1.7								5.7	7.7
NW	.5	1.6	1.7	1.9								5.7	6.4
NNW	.5	4.2	2.7	1.9								9.7	7.6
VARB													
CALM												13.2	
	17.7	29.4	20.3	15.8	1.3	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1952 MONTH DEC
 CLASS ALL WEATHER HOURS (LST) 06
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.7	1.3	1.0								5.4	6.0
NNE	1.7	.3		.2								2.2	5.4
NE	.5	.6										1.1	3.9
ENE	.7	.4	.3									1.4	3.3
E	.7	.6	.7									1.6	4.3
ESE	.6	1.3	.6									2.5	5.3
SE	1.7	2.3		.6								4.2	5.6
SSE		1.1	2.3	1.7								4.5	6.6
S	1.4	4.5	6.9	7.2	1.0							18.4	7.9
SSW	1.7	4.2	2.9	1.0								11.3	6.7
SW	1.2	.3										3.5	2.6
WSW	1.0	.5										2.7	2.6
W	.4	1.7		.5								1.9	5.5
WNW		1.7	1.9	.6								4.2	7.9
NW	1.6	1.0	1.7	2.0	.3							5.1	3.4
NNW	2.7	1.3	2.6	2.6	.3							10.5	7.6
VARBL													
CALM												14.4	
	21.5	26.0	20.3	14.8	1.6							102.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 73-74 REF 02
 CLASS ALL WEATHER NORTH 02
 CONDITION _____ HOUSE 11.5 V

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0	2.6	2.9	0.7							6.3	6.5
NNE	1.0	1.0										2.3	3.3
NE	0.0	0.0										1.0	3.3
ENE	1.0	1.0	0.0									2.0	4.5
E	0.0	0.7										1.0	2.7
ESE	0.3	1.0										1.3	4.3
SE	1.0	1.0	1.0	0.7								2.3	7.7
SSE	1.0	3.0	3.0	1.0								9.0	7.3
S	2.0	2.0	4.0	5.1	0.6							16.5	8.8
SSW	0.0	4.0	5.0	2.0	0.7							15.0	7.2
SW	1.0	0.0	0.0									1.0	3.4
WSW	1.0		0.0									1.0	1.3
W	0.7	1.0	0.0	1.3								2.0	2.3
WNW		0.0	0.0	0.0								1.0	1.0
NW	0.0	1.0	1.0	2.0	0.6							4.7	10.0
NNW	0.0	1.0	0.0	1.0	0.6							10.6	9.2
VARBL													
CALM												13.0	
	1.0	21.0	27.1	20.3	2.6							110.0	6.8

TOTAL NUMBER OF OBSERVATIONS 110

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1951-52 MONTH SEP
 CLASS ALL WEATHER HOURS 17
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.3	2.3	4.5	1.7							10.3	12.1
NNE		2.5	1.1	.3								4.5	6.3
NE		.6	.7	.3								1.6	3.2
ENE		.5										1.7	3.7
E		.5	.7									1.7	4.3
ESE		1.7	.5									1.7	3.2
SE	1.7	1.7	1.7									4.5	4.9
SSE	1.7	2.7	1.7	1.3	.7							11.0	6.7
S	1.7	1.7	2.5	6.2	1.9	.5						17.7	11.0
SSW		1.7	1.7	3.2	1.9							9.7	11.6
SW		1.7	.5	.7								2.5	3.0
WSW		1.7	1.7	.7								2.7	6.9
W		1.7	1.7	1.9	.3							5.2	10.5
WNW		.7	1.7	1.9								4.5	3.5
NW		1.7	2.5	1.6	.3	.7						5.7	10.1
NNW	1.7	.7	2.5	4.2	.5							9.7	10.4
VARBL													
CALM												4.9	
	10.3	21.0	23.9	27.7	6.5	1.0						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 210

NO. 5 GPO 1984 741 548 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DAVLES, TN STATION NAME DAVLES, TN YEARS 1950-51 PORT 19
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	1.0	2.0	1.0							12.0	9.4
NNE	.0	1.0	.0									1.0	4.0
NE	.0		.0									.0	2.0
ENE		.0	.0									1.0	1.0
E	1.0	1.0	.0									2.0	3.7
ESE	1.0	1.0	1.0									3.0	5.0
SE	1.0	2.0	.0									4.0	5.0
SSE	1.0	1.0	1.0	1.0		.0						5.0	6.0
S	1.0	3.0	1.0	1.0	1.0							10.0	11.1
SSW	.0	.0	.0	1.0	1.0							5.0	11.3
SW	.0	.0	1.0	.0								3.0	7.0
WSW	.0	1.0		1.0								2.0	6.0
W	.0	1.0	1.0	1.0								4.0	6.0
WNW	.0	.0	1.0	2.0	.0							4.0	11.5
NW	.0	1.0	1.0	1.0	.0							6.0	11.2
NNW		.0	1.0	1.0	.0							3.0	11.0
VARBL													
CALM													
	12.0	10.0	12.0	17.0	4.0	.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

310

RU S GPO 1984 741 348 201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME 17-00 YEARS 19
 CLASS ALL WEATHER MONTH 10
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	2.3	1.3	7.7	.3							10.0	7.6
NNE	1.0	1.0	.3									3.2	4.5
NE	1.0	.6										1.6	3.0
ENE	1.0	1.3	.7	.7								3.6	4.4
E	2.0	.6	1.0									4.2	4.1
ESE	1.3	7.7	.7									4.9	4.9
SE	2.3	1.0	1.6	.3								5.1	5.1
SSE	2.3	4.9	1.2	2.3								11.7	6.8
S	2.0	7.0	5.2	3.2								14.9	7.1
SSW	.7	1.3	.7									2.3	5.0
SW		.6										.6	5.0
WSW	1.0		.7									1.7	3.5
W	1.0	1.1	.3	.7	.6	.7						3.0	8.9
WNW	.7	1.1	1.6	.3								3.4	6.4
NW	.7	2.6	1.7	.6								4.9	7.2
NNW	1.0	1.0	4.5	7.2	.3							12.0	6.5
VARBL													
CALM												9.1	
	20.0	31.1	20.4	13.7	1.3	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 370

RU S GPO 1984 741 J48 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME ALL WEATHER CLASS CLAS YEAR 75-82 MONTH DEC
 HOUR 21
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.0	1.0	2.7	.6							7.4	6.8
NNE	1.7	.5	1.0									3.2	4.4
NE	.0		.7									1.0	4.3
ENE	.7											.3	2.0
E	1.7	1.7	.7									2.6	3.6
ESE	1.7	1.7	1.7	.3								4.2	6.0
SE	1.7	1.7	1.7	.6								4.5	6.0
SSE	1.7	3.7	4.2	1.2								10.7	7.3
S	2.0	4.7	2.7	6.5	.6							18.8	8.2
SSW	1.2	2.5	.7	1.0								7.1	4.8
SW	1.7		.7									1.7	3.0
WSW	1.7	.7										1.6	3.2
W	.6	1.7	.7									1.0	4.5
WNW	.7	2.3	.6	.6								3.9	6.8
NW	.6	1.0	1.0	.6	.6							5.3	8.5
NNW	1.7	2.9	4.2	3.2								11.3	8.2
VARBL													
CALM												1.7	
	17.1	26.9	20.7	17.2	1.9							100.7	6.0

TOTAL NUMBER OF OBSERVATIONS 309

40 S. GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1952-53 REC MONTHS DEC

CLASS ALL WEATHER

CONDITION ALL
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	2.4	2.3	.5							9.7	5.6
NNE	1.1	1.0	.4	.2								2.7	5.0
NE	.2	.4	.1	.3	.0							1.2	4.6
ENE	.4	.5	.7	.0								1.3	4.5
E	1.1	.7	.3									2.0	3.9
ESE	.5	1.4	.7	.0								2.7	5.5
SE	1.0	1.0	.9	.3								4.4	5.3
SSE	1.7	3.0	2.7	1.7	.0	.1						6.9	7.4
S	2.3	3.6	5.6	5.9	.8	.1						18.4	9.0
SSW	2.1	2.0	2.1	1.6	.4							7.7	7.0
SW	1.4	.6	.4	.2								2.6	4.5
WSW	1.1	.4	.3	.2								2.0	4.6
W	.7	1.1	.7	.6	.1	.2						3.4	7.9
WNW	.7	1.1	1.1	1.0	.1							3.4	8.3
NW	.1	1.0	2.1	1.0	.3	.1						6.9	8.7
NNW	1.1	2.0	3.4	2.0	.4							10.2	3.9
VARB													
CALM												11.1	
	17.4	25.0	24.2	13.4	2.7	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2674

NO. 5 GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1977 MONTH: ALL
 CLASS: ALL WEATHER MONTH: ALL
 HOURS (L.S.T.): ALL
 CONDITION: ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.7	2.7	1.9	.3	.	.	.	.	.	.	7.7	7.6
NNE	1.7	1.2	.6	.3	.	.	.	.	.	.	.	7.3	5.8
NE	.7	.9	.4	.3	.	.	.	.	.	.	.	7.1	5.2
ENE	.	.	.7	.1	.	.	.	.	.	.	.	.1	5.4
E	1.7	1.0	1.7	.7	.6	.7	.	.	.	.	.	7.7	5.4
ESE	1.7	2.0	1.7	.7	.6	.7	.	.	.	.	.	7.7	5.1
SE	1.0	2.6	2.6	.7	.1	.	.	.	.	.	.	7.7	5.6
SSE	1.7	3.0	4.0	2.2	.7	.	.	.	.	.	.	12.3	7.6
S	2.7	3.1	7.6	5.5	.7	.1	.	.	.	.	.	71.7	5.4
SSW	1.7	2.7	1.0	1.0	.1	.	.	.	.	.	.	7.3	5.4
SW	.	.7	.7	.7	.7	.7	.7	.	.	.	.	8.1	5.1
WSW	.	.7	.7	.1	.7	.7	.	.	.	.	.	1.7	5.7
W	.	.7	.7	.4	.1	.	.	.	.	.	.	1.0	5.5
WNW	.	.7	.7	.6	.1	.	.	.	.	.	.	2.3	5.8
NW	.	1.1	1.1	.	.3	.	.	.	.	.	.	4.0	5.3
NNW	.1	1.0	1.7	1.5	.3	.	.	.	.	.	.	8.7	5.1
VARBL													
CALM													
	17.0	6.0	7.3	15.7	1.3	.7	.7	.	.	.	.	10.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1011

SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION DALLAS, TX STATION NAME 75-82 YEAR ALL MONTH
 INSTRUMENT ALL
 CLASS HOURLY U.S.T.
 CONDITION CIG 200 TO 1400 FT W/VISBY 1/2 MI OR MORE.
AND/OR VISBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.7	4.5	2.2	.2							11.6	7.7
NNE	1.1	2.2	1.7	.2		.2						5.3	5.7
NE	1.0	1.2	.7	.3	.0							3.3	5.5
ENE	.0	1.4	1.1	.2								3.6	5.8
E	1.4	2.1	1.4	.3	.1							5.6	5.6
ESE	1.2	2.2	1.4	.6	.2							5.2	6.7
SE	1.2	2.4	2.4	.9	.0							7.0	6.2
SSE	1.7	3.2	3.2	2.2	.1							11.0	7.7
S	1.1	3.4	5.7	3.6	.4							14.6	8.4
SSW	.0	.7	.5	.6	.1							2.3	7.7
SW	.0	.2	.1	.0	.0							.0	9.5
WSW	.1	.0	.1	.2		.0						.3	6.2
W	.0	.7	.6	.3	.1							2.1	7.0
WNW	.2	.7	1.2	1.1		.0						3.3	9.1
NW	.0	1.1	2.2	1.2	.2							6.7	8.8
NNW	.0	2.7	3.1	2.8	.3	.0						10.1	8.7
VARBL													
CALM												0.5	
	13.2	22.7	30.1	17.7	1.3	.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2597

RU S GPO 1984 741 348 201

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
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 ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

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

PART D

SKY COVER

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:

<u>OKTAS</u>	<u>TENTHS</u>
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

ASHEVILLE, T

STATION NAME

73-00

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 14000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 3500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 3000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1800	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1200	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 1000	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 900	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 800	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 700	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 600	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 500	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 400	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 300	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 200	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 100	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 0	54.0	55.0	55.0	54.9	55.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

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	4.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
18000	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
16000	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
14000	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
12000	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
10000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
9000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
8000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
7000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
6000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
5000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4500	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
3500	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
3000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2500	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
1800	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
1500	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
1200	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
1000	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
900	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
800	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
700	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
600	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
500	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
400	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
300	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
200	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
100	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
0	4.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS: 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	7.7	41.8	47.3	47.1	44.7	40.5	34.0	24.0	14.0	8.0	4.0	2.0	1.0	0.5	0.5
≥ 20000	1.0	45.7	51.2	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 18000	1.0	46.4	51.9	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 16000	1.0	46.8	52.3	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 14000	1.0	47.1	52.6	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 12000	1.0	47.4	52.9	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 10000	1.0	47.7	53.2	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 9000	1.0	48.0	53.5	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 8000	1.0	48.3	53.8	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 7000	1.0	48.6	54.1	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 6000	1.0	48.9	54.4	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 5000	1.0	49.2	54.7	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 4500	1.0	49.5	55.0	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 4000	1.0	49.8	55.3	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 3500	1.0	50.1	55.6	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 3000	1.0	50.4	55.9	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 2500	1.0	50.7	56.2	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 2000	1.0	51.0	56.5	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 1800	1.0	51.3	56.8	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 1500	1.0	51.6	57.1	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 1200	1.0	51.9	57.4	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 1000	1.0	52.2	57.7	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 900	1.0	52.5	58.0	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 800	1.0	52.8	58.3	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 700	1.0	53.1	58.6	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 600	1.0	53.4	58.9	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 500	1.0	53.7	59.2	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 400	1.0	54.0	59.5	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 300	1.0	54.3	59.8	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 200	1.0	54.6	60.1	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 100	1.0	54.9	60.4	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2
≥ 0	1.0	55.2	60.7	47.1	42.7	37.2	30.7	20.7	10.7	5.7	2.7	1.2	0.7	0.2	0.2

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 U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	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	47.3	47.3	47.3
≥ 20000	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	47.3	47.3	47.3
18000	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	47.3	47.3	47.3
16000	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	47.3	47.3	47.3
14000	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	47.3	47.3	47.3
12000	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	47.3	47.3	47.3
10000	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	47.3	47.3	47.3
9000	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	47.3	47.3	47.3
8000	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	47.3	47.3	47.3
7000	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	47.3	47.3	47.3
6000	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	47.3	47.3	47.3
5000	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	47.3	47.3	47.3
4500	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	47.3	47.3	47.3
4000	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	47.3	47.3	47.3
3500	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	47.3	47.3	47.3
3000	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	47.3	47.3	47.3
2500	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	47.3	47.3	47.3
2000	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	47.3	47.3	47.3
1800	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	47.3	47.3	47.3
1500	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	47.3	47.3	47.3
1200	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	47.3	47.3	47.3
1000	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	47.3	47.3	47.3
900	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	47.3	47.3	47.3
800	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	47.3	47.3	47.3
700	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	47.3	47.3	47.3
600	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	47.3	47.3	47.3
500	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	47.3	47.3	47.3
400	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	47.3	47.3	47.3
300	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	47.3	47.3	47.3
200	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	47.3	47.3	47.3
100	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	47.3	47.3	47.3
0	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	47.3	47.3	47.3

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 & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0	≥ 0
NO CEILING	57.7	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	58.7	58.7
IV 20000	57.7	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	58.7	58.7
IV 18000	57.7	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	58.7	58.7
IV 16000	57.7	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	58.7	58.7
IV 14000	57.7	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	58.7	58.7
IV 12000	57.7	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	58.7	58.7
IV 10000	57.7	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	58.7	58.7
IV 9000	57.7	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	58.7	58.7
IV 8000	57.7	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	58.7	58.7
IV 7000	57.7	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	58.7	58.7
IV 6000	57.7	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	58.7	58.7
IV 5000	57.7	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	58.7	58.7
IV 4500	57.7	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	58.7	58.7
IV 4000	57.7	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	58.7	58.7
IV 3500	57.7	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	58.7	58.7
IV 3000	57.7	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	58.7	58.7
IV 2500	57.7	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	58.7	58.7
IV 2000	57.7	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	58.7	58.7
IV 1800	57.7	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	58.7	58.7
IV 1500	57.7	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	58.7	58.7
IV 1200	57.7	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	58.7	58.7
IV 1000	57.7	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	58.7	58.7
IV 900	57.7	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	58.7	58.7
IV 800	57.7	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	58.7	58.7
IV 700	57.7	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	58.7	58.7
IV 600	57.7	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	58.7	58.7
IV 500	57.7	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	58.7	58.7
IV 400	57.7	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	58.7	58.7
IV 300	57.7	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	58.7	58.7
IV 200	57.7	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	58.7	58.7
IV 100	57.7	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	58.7	58.7
IV 0	57.7	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	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS 41

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
≥ 20000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
18000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
16000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
14000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
12000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
10000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
9000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
8000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
7000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
6000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
5000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
4500	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
4000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3500	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2500	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
1800	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
1500	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
1200	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
1000	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
900	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
800	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
700	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
600	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
500	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
400	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
300	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
200	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
100	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
0	1.0	3.0	5.0	7.0	8.0	12.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.3	54.0	52.5	51.8	51.2	50.5	49.8	49.1	48.4	47.7	47.0	46.3	45.6	44.9	44.2	
≥ 20000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 18000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 16000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 14000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 12000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 10000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 9000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 8000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 7000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 6000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 5000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 4500	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 4000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 3500	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 3000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 2500	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 2000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 1800	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 1500	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 1200	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 1000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 900	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 800	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 700	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 600	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 500	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 400	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 300	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 200	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 100	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
IV 0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	

TOTAL NUMBER OF OBSERVATIONS

117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

70

YEARS

JAN

1951

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 18000	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	99.7
IV 16000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 14000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 12000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 10000	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	99.3
IV 9000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 8000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 7000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 5000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4500	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	98.7
IV 4000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 3000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 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	97.1
IV 200	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	57.2	59.0	58.9	59.5	59.6	59.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 20000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 18000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 16000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 14000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 12000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 10000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 9000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 8000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 7000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 6000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 5000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 4500	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 4000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 3500	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 3000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 2500	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 2000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 1800	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 1500	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 1200	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 1000	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 900	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 800	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 700	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 600	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 500	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 400	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 300	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 200	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 100	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
IV 0	2.4	3.0	3.4	3.8	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: DALLAS, TX YEAR: 73-74 MONTH: 03
 STATION NAME: YEAR: 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	≥ 5/16	¼	≥ 0	
NO CEILING	51.0	53.0	51.0	50.4	50.7	50.7	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
16000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
14000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
12000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
10000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
9000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
8000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
7000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
6000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
5000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
4500	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
4000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
3500	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
3000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2500	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1800	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1500	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1200	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
900	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
800	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
700	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
600	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
500	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
400	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
300	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
200	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
100	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	40.0	39.7	37.4	34.9	30.7	27.1	21.4	18.4	15.8	11.7	9.1	6.8	5.7	4.8	3.2
IV 20000	1.0	2.0	3.1	4.3	5.6	7.0	8.7	10.3	12.0	13.8	15.7	17.7	19.7	21.8	23.7	25.2
IV 18000	1.0	2.0	3.0	4.2	5.5	6.9	8.5	10.1	11.8	13.5	15.3	17.2	19.2	21.2	23.1	24.6
IV 16000	1.0	2.0	3.0	4.1	5.4	6.8	8.4	10.0	11.7	13.4	15.1	17.0	18.9	20.8	22.7	24.1
IV 14000	1.0	2.0	3.0	4.0	5.3	6.7	8.3	9.9	11.6	13.2	14.9	16.7	18.5	20.3	22.1	23.5
IV 12000	1.0	2.0	3.0	3.9	5.2	6.6	8.2	9.8	11.5	13.1	14.7	16.5	18.2	20.0	21.8	23.2
IV 10000	2.0	3.0	3.9	5.1	6.5	8.0	9.6	11.2	12.8	14.4	16.0	17.6	19.2	20.8	22.4	23.8
IV 9000	2.0	3.0	3.8	5.0	6.4	7.9	9.5	11.1	12.7	14.2	15.8	17.4	19.0	20.5	22.1	23.5
IV 8000	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
IV 7000	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
IV 6000	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0
IV 5000	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 4500	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 4000	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 3500	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 3000	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 2500	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 2000	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 1800	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 1500	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 1200	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 1000	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 900	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 800	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 700	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 600	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 500	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 400	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 300	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 200	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 100	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
IV 0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0

TOTAL NUMBER OF OBSERVATIONS

222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1957 MONTH: 1957

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 18000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 16000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 12000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 9000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 8000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 7000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 6000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 5000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 4500	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 4000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 3500	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 3000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 2500	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 2000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 1800	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 1500	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 1200	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 1000	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 900	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 800	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 700	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 600	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 500	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 400	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 300	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 200	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 100	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8
IV 0	44.7	42.2	41.3	44.7	45.7	46.8	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEAR: 1957 MONTH: 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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	44.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 20000	1.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 18000	1.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 16000	1.3	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
IV 14000	41.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	73.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	58.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	54.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	56.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 7000	56.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 6000	54.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 5000	51.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	51.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4000	52.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3500	52.5	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
IV 3000	52.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 2500	52.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	52.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1800	52.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 1500	52.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1200	52.5	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1000	52.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 900	52.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 800	52.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 700	52.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 600	52.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 500	52.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 400	52.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300	52.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 200	52.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 100	52.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	52.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS: 232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

75-97

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
≥ 20000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
IV 16000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
IV 14000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	
IV 12000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
IV 10000	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	
IV 9000	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	
IV 8000	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	57.4	
IV 7000	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	57.4	
IV 6000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
IV 5000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
IV 4500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
IV 4000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
IV 3500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	
IV 3000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
IV 2500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
IV 2000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
IV 1800	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
IV 1500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
IV 1200	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
IV 1000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
IV 900	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
IV 800	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 700	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 600	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 400	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 300	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 200	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 100	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
IV 0	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	

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 & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 20000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 18000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 14000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 10000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 9000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 8000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 7000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 6000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 5000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 4500	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 4000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 3500	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 3000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 2500	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 2000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1800	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1500	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1200	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1000	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 900	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 800	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 700	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 600	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 500	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 400	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 300	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 200	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 100	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 0	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

TOTAL NUMBER OF OBSERVATIONS

282

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	≥ ¼	≥ 5/16	¼	≥ 0
NO CEILING	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
≥ 20000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
18000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
16000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
14000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
12000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
10000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
9000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
8000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
7000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
6000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
5000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
4500	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
4000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
3500	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
3000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
2500	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
2000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
1800	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
1500	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
1200	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
1000	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
900	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
800	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
700	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
600	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
500	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
400	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
300	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
200	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
100	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2
0	58.5	57.7	54.3	52.7	50.3	48.3	46.7	45.2	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2

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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	50.0	42.0	32.0	23.0	15.0	10.0	7.0	5.0	4.0	3.0	2.0	1.5	1.0	0.5	0.0	
IV 20000	50.5	49.0	37.7	28.2	20.4	13.5	9.6	6.7	5.0	3.7	2.8	2.0	1.5	0.8	0.0	
IV 18000	50.8	49.4	37.8	28.3	20.5	13.6	9.7	6.8	5.1	3.8	2.9	2.1	1.6	0.9	0.0	
IV 16000	51.2	49.8	38.2	28.7	20.9	14.0	10.1	7.2	5.5	4.2	3.3	2.5	1.8	1.0	0.0	
IV 14000	51.6	50.2	38.6	29.1	21.3	14.4	10.5	7.6	5.9	4.6	3.7	2.9	2.1	1.2	0.0	
IV 12000	52.0	50.6	39.0	29.5	21.7	14.8	10.9	8.0	6.3	5.0	4.1	3.3	2.5	1.4	0.0	
IV 10000	52.4	51.0	39.4	29.9	22.1	15.2	11.3	8.4	6.7	5.4	4.5	3.7	2.9	1.6	0.0	
IV 9000	52.8	51.4	39.8	30.3	22.5	15.6	11.7	8.8	7.1	5.8	4.9	4.1	3.3	1.8	0.0	
IV 8000	53.2	51.8	40.2	30.7	22.9	16.0	12.1	9.2	7.5	6.2	5.3	4.5	3.7	2.0	0.0	
IV 7000	53.6	52.2	40.6	31.1	23.3	16.4	12.5	9.6	7.9	6.6	5.7	4.9	4.1	2.2	0.0	
IV 6000	54.0	52.6	41.0	31.5	23.7	16.8	12.9	10.0	8.3	7.0	6.1	5.3	4.5	2.4	0.0	
IV 5000	54.4	53.0	41.4	31.9	24.1	17.2	13.3	10.4	8.7	7.4	6.5	5.7	4.9	2.6	0.0	
IV 4500	54.8	53.4	41.8	32.3	24.5	17.6	13.7	10.8	9.1	7.8	6.9	6.1	5.3	2.8	0.0	
IV 4000	55.2	53.8	42.2	32.7	24.9	18.0	14.1	11.2	9.5	8.2	7.3	6.5	5.7	3.0	0.0	
IV 3500	55.6	54.2	42.6	33.1	25.3	18.4	14.5	11.6	9.9	8.6	7.7	6.9	6.1	3.2	0.0	
IV 3000	56.0	54.6	43.0	33.5	25.7	18.8	14.9	12.0	10.3	9.0	8.1	7.3	6.5	3.4	0.0	
IV 2500	56.4	55.0	43.4	33.9	26.1	19.2	15.3	12.4	10.7	9.4	8.5	7.7	6.9	3.6	0.0	
IV 2000	56.8	55.4	43.8	34.3	26.5	19.6	15.7	12.8	11.1	9.8	8.9	8.1	7.3	3.8	0.0	
IV 1800	57.2	55.8	44.2	34.7	26.9	20.0	16.1	13.2	11.5	10.2	9.3	8.5	7.7	4.0	0.0	
IV 1500	57.6	56.2	44.6	35.1	27.3	20.4	16.5	13.6	11.9	10.6	9.7	8.9	8.1	4.2	0.0	
IV 1200	58.0	56.6	45.0	35.5	27.7	20.8	16.9	14.0	12.3	11.0	10.1	9.3	8.5	4.4	0.0	
IV 1000	58.4	57.0	45.4	35.9	28.1	21.2	17.3	14.4	12.7	11.4	10.5	9.7	8.9	4.6	0.0	
IV 900	58.8	57.4	45.8	36.3	28.5	21.6	17.7	14.8	13.1	11.8	10.9	10.1	9.3	4.8	0.0	
IV 800	59.2	57.8	46.2	36.7	28.9	22.0	18.1	15.2	13.5	12.2	11.3	10.5	9.7	5.0	0.0	
IV 700	59.6	58.2	46.6	37.1	29.3	22.4	18.5	15.6	13.9	12.6	11.7	10.9	10.1	5.2	0.0	
IV 600	60.0	58.6	47.0	37.5	29.7	22.8	18.9	16.0	14.3	13.0	12.1	11.3	10.5	5.4	0.0	
IV 500	60.4	59.0	47.4	37.9	30.1	23.2	19.3	16.4	14.7	13.4	12.5	11.7	10.9	5.6	0.0	
IV 400	60.8	59.4	47.8	38.3	30.5	23.6	19.7	16.8	15.1	13.8	12.9	12.1	11.3	5.8	0.0	
IV 300	61.2	59.8	48.2	38.7	30.9	24.0	20.1	17.2	15.5	14.2	13.3	12.5	11.7	6.0	0.0	
IV 200	61.6	60.2	48.6	39.1	31.3	24.4	20.5	17.6	15.9	14.6	13.7	12.9	12.1	6.2	0.0	
IV 100	62.0	60.6	49.0	39.5	31.7	24.8	20.9	18.0	16.3	15.0	14.1	13.3	12.5	6.4	0.0	
IV 0	62.4	61.0	49.4	39.9	32.1	25.2	21.3	18.4	16.7	15.4	14.5	13.7	12.9	6.6	0.0	

TOTAL NUMBER OF OBSERVATIONS

2000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

AD R150 599

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
(DALLAS TEXAS) NAVAL OCEANOGRAPHY COMMAND DETACHMENT
ASHEVILLE NC AUG 84

34

UNCLASSIFIED

FIG. 812

NI

The table consists of 10 columns and 10 rows. The first row is mostly blacked out, with some faint markings. The remaining 9 rows are completely blacked out, obscuring all data. The grid is used for recording meteorological observations.





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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1957 MONTH: 03

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	
≥ 20000	1.7	3.0	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
IV 18000	1.7	54.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
IV 16000	1.7	54.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
IV 14000	1.7	54.2	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	
IV 12000	1.7	55.0	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
IV 10000	1.7	56.5	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
IV 9000	1.7	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
IV 8000	1.7	62.0	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	
IV 7000	1.7	63.9	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	
IV 6000	1.7	64.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
IV 5000	1.7	66.5	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	
IV 4500	1.7	67.7	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	
IV 4000	1.7	68.7	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	
IV 3500	1.7	70.0	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	
IV 3000	1.7	71.0	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
IV 2500	1.7	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
IV 2000	1.7	77.4	78.1	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	
IV 1800	1.7	79.7	80.3	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
IV 1500	1.7	81.9	82.5	83.2	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	
IV 1200	1.7	84.2	84.8	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
IV 1000	1.7	86.4	86.9	87.6	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
IV 900	1.7	88.4	88.9	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
IV 800	1.7	91.0	91.2	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
IV 700	1.7	93.2	93.8	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
IV 600	1.7	93.2	94.8	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
IV 500	1.7	93.9	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
IV 400	1.7	93.9	95.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
IV 300	1.7	93.9	95.8	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
IV 200	1.7	93.9	95.8	97.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
IV 100	1.7	93.9	95.8	97.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
IV 0	1.7	93.9	95.8	97.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION DALLAS, TX STATION NAME YEAR 93-97 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	≥ 0			
NO CEILING	41.7	42.9	42.9	42.9	42.9	43.2	43.6	43.6	43.6	43.9	43.9	43.9	44.2	44.2	44.2	44.2
IV 20000	42.9	46.9	47.1	47.1	47.1	47.4	47.7	47.7	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.4
IV 18000	43.2	46.9	47.4	47.4	47.4	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.7	48.7	48.7	48.7
IV 16000	43.2	46.9	47.4	47.4	47.4	47.7	48.1	48.1	48.1	48.4	48.4	48.4	48.7	48.7	48.7	48.7
IV 14000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 12000	43.6	47.1	47.7	47.7	47.7	48.1	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 10000	48.3	52.2	53.9	53.9	53.9	54.2	54.5	54.5	54.5	54.8	54.8	54.8	55.2	55.2	55.2	55.2
IV 9000	48.3	52.2	53.9	53.9	53.9	54.2	54.5	54.5	54.5	54.8	54.8	54.8	55.2	55.2	55.2	55.2
IV 8000	51.7	56.5	57.1	57.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.1	58.4	58.4	58.4	58.4
IV 7000	53.4	58.4	59.0	59.0	59.0	59.4	59.7	59.7	59.7	60.0	60.0	60.0	60.3	60.3	60.3	60.3
IV 6000	54.8	59.7	60.3	60.3	60.3	60.7	61.0	61.0	61.0	61.3	61.3	61.3	61.6	61.6	61.6	61.6
IV 5000	55.5	60.3	61.0	61.0	61.0	61.6	61.9	61.9	61.9	62.2	62.2	62.2	62.6	62.6	62.6	62.6
IV 4500	56.9	61.3	62.3	62.3	62.3	62.6	62.9	62.9	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6
IV 4000	57.1	61.9	62.9	62.9	62.9	63.2	63.5	63.5	63.5	63.9	63.9	63.9	64.2	64.2	64.2	64.2
IV 3500	57.7	62.5	63.6	63.6	63.6	64.2	64.5	64.5	64.5	64.8	64.8	64.8	65.2	65.2	65.2	65.2
IV 3000	58.0	63.0	64.1	64.1	64.1	64.5	64.8	64.8	64.8	65.1	65.1	65.1	65.4	65.4	65.4	65.4
IV 2500	61.0	67.1	68.1	68.1	68.1	68.7	69.0	69.0	69.0	69.4	69.4	69.4	69.7	69.7	69.7	69.7
IV 2000	66.1	71.6	72.6	72.6	72.6	73.2	73.6	73.6	73.6	73.9	73.9	73.9	74.2	74.2	74.2	74.2
IV 1800	67.1	72.5	73.6	73.6	73.6	74.2	74.5	74.5	74.5	74.8	74.8	74.8	75.2	75.2	75.2	75.2
IV 1500	69.7	76.1	77.4	77.4	77.4	78.1	78.4	78.4	78.4	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 1200	71.9	79.7	81.3	81.3	81.3	82.3	82.9	82.9	82.9	83.2	83.2	83.2	83.6	83.6	83.6	83.6
IV 1000	73.2	82.6	85.2	85.2	85.2	86.5	86.8	86.8	86.8	87.4	87.4	87.4	87.7	87.7	87.7	87.7
IV 900	73.2	82.6	85.2	85.2	85.2	86.5	86.8	86.8	86.8	87.4	87.4	87.4	87.7	87.7	87.7	87.7
IV 800	74.5	85.2	88.1	88.1	88.1	89.4	89.7	89.7	89.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3
IV 700	75.7	86.5	89.7	89.7	89.7	91.6	91.9	91.9	91.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6
IV 600	78.1	87.7	91.3	91.3	91.3	92.9	93.2	93.2	93.2	94.5	94.5	94.5	94.8	94.8	94.8	94.8
IV 500	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8
IV 400	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8
IV 300	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8
IV 200	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8
IV 100	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8
IV 0	78.5	88.4	91.6	91.6	91.6	93.9	94.2	94.2	94.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-62

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING	36.1	39.0	37.0	40.0	43.0	40.3	40.0	40.3	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 20000	42.5	46.1	46.8	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 18000	42.5	46.8	47.1	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 14000	43.0	47.1	47.4	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 12000	44.5	49.7	49.4	51.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	48.4	53.6	54.2	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000	48.7	53.9	54.8	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	50.0	55.3	57.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 7000	50.7	57.1	58.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 6000	51.6	58.1	59.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	52.0	60.3	62.3	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	53.0	60.7	62.4	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
IV 4000	54.0	62.0	64.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3500	55.0	63.2	65.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	56.1	64.5	66.5	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 2500	56.4	67.1	69.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	57.1	70.0	71.9	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800	57.3	71.3	73.2	75.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1500	58.7	75.5	78.1	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
IV 1200	58.8	77.7	80.3	83.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	58.5	79.1	82.6	85.8	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 900	58.8	80.3	84.2	87.1	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	67.1	81.0	84.3	89.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 700	67.4	81.6	85.9	89.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	67.4	81.6	85.4	90.3	93.6	94.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	67.4	82.3	86.3	91.3	94.8	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 400	67.4	82.3	86.8	91.6	95.2	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	67.4	82.3	86.8	91.6	95.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	67.4	82.3	86.8	91.6	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	67.4	82.3	86.8	91.6	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	67.4	82.3	86.8	91.6	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

72-52

YEARS

MO

NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 18000	44.5	56.5	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	57.4
IN 16000	44.5	56.5	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	57.4
IN 14000	44.5	56.5	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	57.4
IN 12000	44.5	56.5	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	57.4
IN 10000	44.5	56.5	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	57.4
IN 9000	44.5	56.5	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	57.4
IN 8000	44.5	56.5	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	57.4
IN 7000	44.5	56.5	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	57.4
IN 6000	44.5	56.5	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	57.4
IN 5000	44.5	56.5	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	57.4
IN 4500	44.5	56.5	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	57.4
IN 4000	44.5	56.5	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	57.4
IN 3500	44.5	56.5	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	57.4
IN 3000	44.5	56.5	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	57.4
IN 2500	44.5	56.5	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	57.4
IN 2000	44.5	56.5	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	57.4
IN 1800	44.5	56.5	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	57.4
IN 1500	44.5	56.5	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	57.4
IN 1200	44.5	56.5	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	57.4
IN 1000	44.5	56.5	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	57.4
IN 900	44.5	56.5	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	57.4
IN 800	44.5	56.5	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	57.4
IN 700	44.5	56.5	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	57.4
IN 600	44.5	56.5	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	57.4
IN 500	44.5	56.5	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	57.4
IN 400	44.5	56.5	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	57.4
IN 300	44.5	56.5	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	57.4
IN 200	44.5	56.5	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	57.4
IN 100	44.5	56.5	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	57.4
0	44.5	56.5	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	57.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 03113, T STATION NAME: YEARS: MONTH: 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	≥ ⅓	≥ ¼	≥ 0
NO CEILING	47.7	48.4	47.4	44.6	44.6	45.4	43.6	43.6	43.6	43.4	48.4	44.4	47.4	48.4	48.4
≥ 20000	57.7	40.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
18000	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	61.0	61.0	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	63.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
10000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
9000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
8000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
7000	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	70.0	70.0
6000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
5000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
4500	71.9	71.9	71.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
4000	74.8	74.8	74.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
3500	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1800	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1500	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
1200	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
900	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
800	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
700	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	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
400	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
300	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
200	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
100	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
0	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

TOTAL NUMBER OF OBSERVATIONS 211

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
33701

STATION NAME
GALLAS, TX

YEARS
73-82

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L. S. T.)
15

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.6	54.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 20000	62.6	64.5	64.8	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 18000	63.4	65.5	65.8	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 16000	64.2	66.1	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	65.5	67.4	67.7	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000	66.7	70.7	71.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 10000	70.0	71.9	72.3	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 9000	70.3	72.3	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 8000	71.8	74.2	74.5	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	71.9	74.5	74.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000	72.9	75.5	75.8	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	74.5	77.4	77.7	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4300	74.8	78.1	78.4	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	76.1	79.7	80.0	80.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3300	76.4	81.0	81.3	81.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	77.4	82.6	82.9	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2300	78.3	83.5	83.8	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	78.4	83.8	84.1	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	78.9	84.1	84.4	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1500	79.9	84.4	84.7	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1200	80.4	84.7	85.0	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1000	80.9	85.0	85.3	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 900	81.4	85.3	85.6	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 800	81.9	85.6	85.9	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 700	82.4	85.9	86.2	86.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 600	82.9	86.2	86.5	87.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 500	83.4	86.5	86.8	87.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 400	83.9	86.8	87.1	87.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 300	84.4	87.1	87.4	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 200	84.9	87.4	87.7	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 100	85.4	87.7	88.0	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 0	85.9	88.0	88.3	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

16

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-82

YEARS

MONTH

71

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	57.4	59.4	59.4	59.7	61.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 20000	63.4	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	64.2	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	64.9	66.8	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	65.9	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	67.7	70.0	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	70.7
IV 10000	71.0	73.4	73.4	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 9000	71.3	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	73.2	75.8	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	74.9	77.4	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	74.9	77.7	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	77.1	80.0	80.0	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4500	77.1	80.7	80.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	77.1	80.7	80.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	74.4	81.9	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	80.0	84.2	84.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	83.6	87.7	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	83.9	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	86.9	91.9	91.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	87.1	93.4	93.4	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	87.1	93.4	93.4	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	88.1	95.8	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: DALLAS, TX YEAR: 73-77 MONTH: ALL
 STATION NAME: YEARS: MONTHS: ALL
 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	57.7	59.1	59.0	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 20000	56.4	57.7	58.0	58.4	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	55.1	56.2	56.5	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	53.7	54.8	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	52.4	53.4	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	51.1	52.0	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	49.8	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 9000	48.5	49.2	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
IV 8000	47.2	47.8	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	47.9
IV 7000	45.9	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 6000	44.6	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 5000	43.3	43.6	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
IV 4500	42.0	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 4000	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 3500	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 3000	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 2500	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 2000	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 1800	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 1500	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 1200	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 1000	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
IV 900	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 800	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 700	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 600	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 500	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
IV 400	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 300	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
IV 200	19.9	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV 100	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
IV 0	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4

TOTAL NUMBER OF OBSERVATIONS: 24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1952 MONTH NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LBY) 100

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 20000	52.0	65.3	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
IV 18000	53.0	65.3	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
IV 16000	54.0	65.3	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
IV 14000	54.0	66.0	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	55.0	67.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 10000	57.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	57.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	58.0	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	58.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	58.0	75.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	58.0	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	58.0	78.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	57.0	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	58.0	81.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	58.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	58.0	87.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	58.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	58.0	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	58.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	57.0	91.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	58.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 900	58.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	58.0	93.0	93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	58.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	58.0	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	58.0	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	58.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	58.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	58.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	58.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	58.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 20000	53.7	56.3	51.7	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 18000	53.7	56.3	51.7	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	53.7	56.3	51.7	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	53.7	56.3	51.7	54.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	54.7	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 10000	55.7	59.7	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
IV 9000	55.7	59.7	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
IV 8000	55.7	59.7	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
IV 7000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 5000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3500	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2500	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1800	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1500	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1200	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1000	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 900	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 800	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 700	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 600	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 500	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 400	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 300	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 200	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 100	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 0	57.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1951 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 0
NO CEILING	41.7	44.7	44.7	43.3	45.3	45.3	44.7	44.7	43.3	42.7	42.7	41.7	41.7	40.7	40.7
IV 20000	43.3	47.3	47.3	46.7	48.7	48.7	47.3	47.3	46.7	45.7	45.7	44.7	44.7	43.7	43.7
IV 18000	45.3	49.3	49.3	48.7	50.7	50.7	49.3	49.3	48.7	47.7	47.7	46.7	46.7	45.7	45.7
IV 16000	46.7	50.7	50.7	50.0	52.0	52.0	50.7	50.7	50.0	49.0	49.0	48.0	48.0	47.0	47.0
IV 14000	48.0	52.0	52.0	51.3	53.3	53.3	52.0	52.0	51.3	50.3	50.3	49.3	49.3	48.3	48.3
IV 12000	49.3	53.3	53.3	52.7	54.7	54.7	53.3	53.3	52.7	51.7	51.7	50.7	50.7	49.7	49.7
IV 10000	50.7	54.7	54.7	54.0	56.0	56.0	54.7	54.7	54.0	53.0	53.0	52.0	52.0	51.0	51.0
IV 9000	52.0	56.0	56.0	55.3	57.3	57.3	56.0	56.0	55.3	54.3	54.3	53.3	53.3	52.3	52.3
IV 8000	53.3	57.3	57.3	56.7	58.7	58.7	57.3	57.3	56.7	55.7	55.7	54.7	54.7	53.7	53.7
IV 7000	54.7	58.7	58.7	58.0	60.0	60.0	58.7	58.7	58.0	57.0	57.0	56.0	56.0	55.0	55.0
IV 6000	56.0	60.0	60.0	59.3	61.3	61.3	60.0	60.0	59.3	58.3	58.3	57.3	57.3	56.3	56.3
IV 5000	57.3	61.3	61.3	60.7	62.7	62.7	61.3	61.3	60.7	59.7	59.7	58.7	58.7	57.7	57.7
IV 4500	58.7	62.7	62.7	62.0	64.0	64.0	62.7	62.7	62.0	61.0	61.0	60.0	60.0	59.0	59.0
IV 4000	60.0	64.0	64.0	63.3	65.3	65.3	64.0	64.0	63.3	62.3	62.3	61.3	61.3	60.3	60.3
IV 3500	61.3	65.3	65.3	64.7	66.7	66.7	65.3	65.3	64.7	63.7	63.7	62.7	62.7	61.7	61.7
IV 3000	62.7	66.7	66.7	66.0	68.0	68.0	66.7	66.7	66.0	65.0	65.0	64.0	64.0	63.0	63.0
IV 2500	64.0	68.0	68.0	67.3	69.3	69.3	68.0	68.0	67.3	66.3	66.3	65.3	65.3	64.3	64.3
IV 2000	65.3	69.3	69.3	68.7	70.7	70.7	69.3	69.3	68.7	67.7	67.7	66.7	66.7	65.7	65.7
IV 1800	66.7	70.7	70.7	70.0	72.0	72.0	70.7	70.7	70.0	69.0	69.0	68.0	68.0	67.0	67.0
IV 1500	68.0	72.0	72.0	71.3	73.3	73.3	72.0	72.0	71.3	70.3	70.3	69.3	69.3	68.3	68.3
IV 1200	69.3	73.3	73.3	72.7	74.7	74.7	73.3	73.3	72.7	71.7	71.7	70.7	70.7	69.7	69.7
IV 1000	70.7	74.7	74.7	74.0	76.0	76.0	74.7	74.7	74.0	73.0	73.0	72.0	72.0	71.0	71.0
IV 900	72.0	76.0	76.0	75.3	77.3	77.3	76.0	76.0	75.3	74.3	74.3	73.3	73.3	72.3	72.3
IV 800	73.3	77.3	77.3	76.7	78.7	78.7	77.3	77.3	76.7	75.7	75.7	74.7	74.7	73.7	73.7
IV 700	74.7	78.7	78.7	78.0	80.0	80.0	78.7	78.7	78.0	77.0	77.0	76.0	76.0	75.0	75.0
IV 600	76.0	80.0	80.0	79.3	81.3	81.3	80.0	80.0	79.3	78.3	78.3	77.3	77.3	76.3	76.3
IV 500	77.3	81.3	81.3	80.7	82.7	82.7	81.3	81.3	80.7	79.7	79.7	78.7	78.7	77.7	77.7
IV 400	78.7	82.7	82.7	82.0	84.0	84.0	82.7	82.7	82.0	81.0	81.0	80.0	80.0	79.0	79.0
IV 300	80.0	84.0	84.0	83.3	85.3	85.3	84.0	84.0	83.3	82.3	82.3	81.3	81.3	80.3	80.3
IV 200	81.3	85.3	85.3	84.7	86.7	86.7	85.3	85.3	84.7	83.7	83.7	82.7	82.7	81.7	81.7
IV 100	82.7	86.7	86.7	86.0	88.0	88.0	86.7	86.7	86.0	85.0	85.0	84.0	84.0	83.0	83.0
IV 0	84.0	88.0	88.0	87.3	90.0	90.0	88.0	88.0	87.3	86.3	86.3	85.3	85.3	84.3	84.3

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1957 MONTH: 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	≥ ¼	≥ 5/16	≥ 0
NO CEILING	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 20000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 18000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 16000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 14000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 12000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 10000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 9000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 8000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 7000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 6000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 5000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 4500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 4000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 3500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 3000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 2500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 2000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 1500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 1000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 900	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 700	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 300	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 100	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 71-10 YEARS: 19 MONTH: 12

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	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 20000	43.3	47.7	48.3	48.7	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	43.3	48.3	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	43.3	48.3	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	43.3	48.3	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	43.3	48.3	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	49.7	54.7	55.3	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 9000	49.7	54.7	55.3	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4500	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2500	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1800	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1500	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1200	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1000	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 900	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 800	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 700	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 600	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 500	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 400	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 300	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 200	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 100	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 0	51.7	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: DALLAS, TX YEAR: 73-74 MONTH: APR

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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	44.7	46.7	44.7	46.0	47.3	46.3	46.3	46.3	45.7	45.3	44.3	46.3	44.3	46.3	46.3
IV 20000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 18000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 16000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 14000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 12000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 10000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 9000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 8000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 7000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 6000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 5000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4500	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 3500	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 3000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 2500	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 2000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1800	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1500	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1200	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1000	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 900	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 800	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 700	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 600	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 500	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 400	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 300	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 200	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 100	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 0	44.7	45.3	45.7	45.0	45.3	45.3	45.3	45.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3

TOTAL NUMBER OF OBSERVATIONS: 70

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO. 145, T STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	53.7	53.3	53.3	53.3	51.3	53.3	53.7	53.7	51.7	54.0	54.0	54.0	54.0	54.0	54.0
IV 30000	60.7	61.0	61.0	61.3	61.3	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	60.7	61.0	61.0	61.3	61.3	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	60.7	61.0	61.0	61.3	61.3	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	60.3	61.7	61.7	62.0	62.0	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 12000	61.7	63.3	63.3	63.7	63.7	63.7	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	65.0	67.0	67.0	67.3	67.3	67.3	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
IV 9000	65.0	67.0	67.0	67.3	67.3	67.3	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	67.7	70.0	70.3	70.7	70.7	70.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	69.3	71.7	72.3	72.7	72.7	72.7	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	69.7	72.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	73.7	76.7	77.0	77.7	77.7	77.7	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	74.7	78.7	79.3	80.0	80.0	80.3	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	76.7	81.7	82.3	83.0	83.0	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	78.0	83.3	84.0	84.7	84.7	85.0	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	80.0	85.7	86.3	87.0	87.0	87.3	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	81.7	88.0	89.3	90.0	90.0	90.3	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	83.7	90.7	92.0	92.7	92.7	93.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	83.7	90.7	92.0	92.7	92.7	93.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	84.3	91.7	93.0	93.7	93.7	94.0	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	84.3	91.7	93.0	94.3	94.3	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	84.7	92.3	94.3	95.7	95.7	96.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	84.7	92.7	94.7	96.3	96.3	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	84.7	92.7	94.7	96.0	96.0	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	84.7	92.7	94.7	96.0	96.0	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	84.7	92.7	94.7	96.0	96.0	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	84.7	93.0	95.3	96.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-72

YEAR

MONTH

21

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.0	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 20000	67.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	67.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	67.7	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	67.7	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	67.7	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	67.7	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	67.7	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	67.7	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	67.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	67.7	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 5000	67.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	67.7	84.0	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
IV 4000	67.7	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	67.7	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	67.7	87.3	87.3	87.3	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	67.7	88.7	88.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	67.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	67.7	89.3	89.3	89.3	89.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	67.7	91.3	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	67.7	92.0	92.0	92.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	67.7	92.0	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	67.7	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	67.7	93.3	93.3	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	67.7	93.3	93.3	93.3	93.3	93.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	67.7	94.7	94.7	94.7	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	67.7	94.7	94.7	94.7	94.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	67.7	94.7	94.7	94.7	94.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	67.7	94.7	94.7	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	67.7	94.7	94.7	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	67.7	94.7	94.7	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	67.7	94.7	94.7	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1954 MONTH: ALL
 STATION NAME: YEARS: MONTH: ALL
 HOURS (L & Y):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 20000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 1600	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 1400	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	57.7	56.5	57.0	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS 2420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
22001

JALIAS, TN

STATION NAME

73-12

TRADE

447

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	56.1	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
IV 20000	56.1	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
IV 18000	56.1	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
IV 16000	56.1	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
IV 14000	56.1	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
IV 12000	57.7	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	59.3
IV 10000	71.5	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	76.5	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	79.7
IV 7000	77.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 6000	77.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	77.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	81.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4000	82.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3500	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
IV 3000	88.3	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
IV 2500	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	91.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	96.1	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
IV 1000	96.1	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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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
IV 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: ASHEVILLE, NC STATION NAME: ASHEVILLE YEAR: 1952 MONTH: MAY

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	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	51.4	48.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
IV 20000	59.4	59.4	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	
IV 18000	59.4	59.4	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	
IV 16000	59.4	59.4	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	
IV 14000	59.4	59.4	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	
IV 12000	60.7	61.0	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	
IV 10000	67.4	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	
IV 9000	66.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
IV 8000*	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
IV 7000	69.4	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	70.7	
IV 6000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
IV 5000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
IV 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
IV 4000	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
IV 3500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
IV 3000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
IV 2500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	
IV 2000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
IV 1800	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
IV 1500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
IV 1200	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	
IV 1000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
IV 900	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
IV 800	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
IV 700	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
IV 600	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
IV 400	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	
IV 300	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	
IV 200	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	
IV 100	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	
IV 0	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	

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-07

YEARS

NAV

10

HOURLY

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	27.1	30.1	40.7	41.6	44.5	45.7	46.5	46.8	49.0	46.4	44.8	45.7	44.8	45.0	45.0	44.0
≥ 20000	29.7	34.4	44.2	47.4	49.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	30.7	37.4	44.2	47.4	49.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	30.7	39.4	44.2	47.4	49.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1800	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1500	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1200	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1000	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 900	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 800	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 700	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 600	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 500	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 400	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 300	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 200	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 100	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 0	30.7	40.7	44.2	47.4	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-12

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
6000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
4500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
4000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
3500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
2500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
1500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	

TOTAL NUMBER OF OBSERVATIONS 74

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

71-52

YEARS

1957

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 20000	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
IV 18000	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
IV 16000	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
IV 14000	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
IV 12000	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
IV 10000	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
IV 9000	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
IV 8000	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
IV 7000	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
IV 6000	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
IV 5000	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
IV 4500	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
IV 4000	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
IV 3500	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
IV 3000	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
IV 2500	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
IV 2000	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
IV 1800	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
IV 1500	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
IV 1200	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
IV 1000	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
IV 900	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
IV 800	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
IV 700	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
IV 600	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
IV 500	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
IV 400	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
IV 300	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
IV 200	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
IV 100	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
IV 0	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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, T

STATION NAME

1972

YEAR

MONTH

15

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	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	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	49.4
≥ 20000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	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	62.3	62.3
IV 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 9000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	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	71.3	71.3
IV 7000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

712

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEAR: 1951 MONTH: MAY
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS IN MONTH: 11

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 20000	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	71.3
IV 18000	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	71.3
IV 16000	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	71.3
IV 14000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 6000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 2000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 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
IV 1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	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
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	71.0	73.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 20000	71.0	73.0	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 16000	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 14000	71.0	73.0	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	71.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000	76.0	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	79.0	79.0
IV 9000	76.0	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	79.0	79.0
IV 8000	76.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	76.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000	76.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 5000	76.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4500	76.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	76.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	76.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	76.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	76.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	76.0	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	93.0
IV 1800	76.0	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	93.0
IV 1500	76.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	76.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	76.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	76.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	76.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	76.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	76.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 0	76.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1957 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS: 240

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0
IV 20000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 18000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 16000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 14000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 12000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 10000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 9000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 8000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 7000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 6000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 5000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 4500	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 4000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 3500	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 3000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 2500	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 2000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 1800	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 1500	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 1200	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 1000	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 900	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 800	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 700	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 600	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 500	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 400	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 300	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 200	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 100	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0
IV 0	58.7	51.2	41.7	51.0	41.0	37.0	41.0	32.0	51.0	40.0	37.0	37.0	37.0	37.0	37.0

TOTAL NUMBER OF OBSERVATIONS: 240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-42 YEARS: 1950 MONTH: 10 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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	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	
≥ 20000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
18000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
14000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	
12000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
10000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
9000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
8000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
7000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
5000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	
4500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
4000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
3500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
2500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
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	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
800	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	
700	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	
600	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	
500	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	
400	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	
300	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	
200	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	
100	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	
0	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	

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-87

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	76.7	67.7	64.3	63.3	61.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 18000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 16000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 14000	75.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	77.3	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
IV 9000	77.3	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
IV 8000	81.3	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	81.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	82.3	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 5000	82.3	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	82.3	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	84.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3500	84.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	85.7	87.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	86.3	88.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	88.3	91.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	88.3	91.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	91.0	93.7	95.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	92.0	95.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	93.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	93.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	93.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	93.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

130

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
77931

DALLAS, TX

STATION NAME

73-92

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	40.0	54.0	54.0	47.0	54.0	48.0	54.0	50.0	54.0	54.0	54.0	49.0	57.0	53.0	59.0	59.0
≥ 20000	40.0	54.0	67.0	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	50.0	59.0	60.0	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	60.0	60.0	60.0	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	61.0	60.0	61.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	61.0	61.0	62.0	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 10000	65.0	65.0	66.0	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	66.0	66.0	67.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	69.0	69.0	70.0	73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 7000	69.0	69.0	70.0	73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	69.0	69.0	71.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	69.0	71.0	72.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	69.0	72.0	73.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000	71.0	73.0	74.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	71.0	73.0	75.0	78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	73.0	76.0	77.0	81.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	75.0	78.0	80.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	67.0	81.0	83.0	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	67.0	82.0	83.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	70.0	85.0	86.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	71.0	86.0	87.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	72.0	87.0	88.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	72.0	88.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	72.0	89.0	91.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	73.0	89.0	92.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	73.0	89.0	92.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 17701 NAME: NAS, F# STATION NAME: 73-02 YEARS: MONTH: 09 HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	46.3	51.7	51.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	53.7	59.7	61.0	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
IV 18000	53.7	59.7	61.0	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
IV 16000	53.7	59.7	61.0	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
IV 14000	54.3	60.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	54.7	61.0	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	62.7
IV 10000	57.0	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
IV 9000	57.3	64.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	60.7	67.7	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	69.3
IV 7000	60.7	67.7	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	69.3
IV 6000	62.7	67.7	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	69.3
IV 5000	62.7	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	62.7	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	63.7	72.7	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	64.7	74.0	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	66.7	75.3	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2500	68.3	79.3	80.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	72.0	84.0	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	73.3	85.3	86.7	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	74.3	91.7	92.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	71.7	94.7	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	72.7	95.7	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
97701

STATION NAME
DALLAS, Tx

YEARS
72-92

YEARS

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 20000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 16000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3500	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 3000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2500	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1800	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1500	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1200	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1000	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 900	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 800	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 700	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 600	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 500	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 400	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 300	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 200	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 100	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
0	64.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3

TOTAL NUMBER OF OBSERVATIONS 170

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1971

MAY 7

1971

JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	54.7	59.3	59.3	59.3	59.3	59.3	54.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	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	71.3
IV 10000	75.7	75.7	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
IV 9000	75.7	75.7	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
IV 8000	77.7	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
IV 7000	77.7	78.0	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
IV 6000	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	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	85.3
IV 4000	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	85.3
IV 3500	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	85.3
IV 3000	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	85.3
IV 2500	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	85.3
IV 2000	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	85.3
IV 1800	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	85.3
IV 1500	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	85.3
IV 1200	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	85.3
IV 1000	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	85.3
IV 900	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	85.3
IV 800	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	85.3
IV 700	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	85.3
IV 600	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	85.3
IV 500	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	85.3
IV 400	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	85.3
IV 300	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	85.3
IV 200	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	85.3
IV 100	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	85.3
IV 0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-73

YEAR

MONTH

JUN

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	≥ 1/16	≥ 0	≥ 0
NO CEILING	71.3	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	73.3	73.3
≥ 20000	82.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IVIV 18000	82.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IVIV 16000	82.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IVIV 14000	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	85.3	85.3
IVIV 12000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IVIV 10000	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	92.3
IVIV 9000	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	92.3
IVIV 8000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVIV 7000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVIV 6000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IVIV 5000	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	95.3
IVIV 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVIV 4000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVIV 3500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IVIV 3000	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	98.7
IVIV 2500	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	98.7
IVIV 2000	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	99.7
IVIV 1800	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	99.7
IVIV 1500	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	99.7
IVIV 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	99.7
IVIV 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	99.7
IVIV 900	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	99.7
IVIV 800	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	99.7
IVIV 700	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	99.7
IVIV 600	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	99.7
IVIV 500	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	99.7
IVIV 400	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	99.7
IVIV 300	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	99.7
IVIV 200	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	99.7
IVIV 100	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	99.7
IVIV 0	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	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

77-02

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71
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	73.7	76.3	75.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 20000	73.0	75.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 18000	73.3	75.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 16000	73.3	75.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 14000	73.7	75.3	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	85.3
IV 12000	74.3	76.3	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
IV 10000	77.7	79.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 9000	78.3	79.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 8000	79.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 7000	79.3	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	91.3
IV 6000	78.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 5000	78.3	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
IV 4500	78.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4000	78.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3500	74.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	74.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2500	74.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	75.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	75.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	75.3	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	99.3
IV 1200	75.3	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	99.3
IV 1000	75.3	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	99.3
IV 900	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	75.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1950 MONTH: JUL

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	≥ 3/16	≥ 0	≥ 0	
NO CEILING	61.1	44.0	54.5	64.5	67.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 20000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 18000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 16000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 14000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	50.7	72.7	73.2	73.6	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000	74.7	78.1	78.7	79.1	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
IV 9000	75.0	78.5	79.0	79.4	79.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 8000	77.4	81.0	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	77.4	81.0	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 6000	79.8	81.6	82.2	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000	79.8	81.6	82.2	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	80.7	84.1	84.7	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4000	80.7	84.1	84.7	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	83.6	88.2	88.8	89.3	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
IV 3000	85.1	89.8	90.6	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	86.3	91.3	92.0	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	87.2	93.3	94.0	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1800	87.2	93.3	94.0	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	89.9	95.4	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	89.9	95.4	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	90.1	96.3	97.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	90.1	96.3	97.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	90.7	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 14 145, T YEAR: 73-77 MONTH: Jul

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	78.4	79.4	80.3	81.3	82.3	83.3	84.3	85.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 20000	76.4	75.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	
IV 18000	76.4	75.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	
IV 14000	76.4	75.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	
IV 14000	76.4	75.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	
IV 12000	77.7	79.7	80.0	80.0	80.0	80.0	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
IV 10000	78.4	79.4	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
IV 9000	77.7	73.5	84.5	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
IV 8000	78.4	75.4	86.4	86.4	86.4	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	
IV 7000	76.4	76.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
IV 6000	76.4	76.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
IV 5000	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 4500	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 4000	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 3500	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 3000	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 2500	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 2000	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 1800	76.4	78.1	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IV 1500	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 1200	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 1000	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 900	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 800	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 700	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 600	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 500	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 400	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 300	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 200	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 100	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
IV 0	76.4	78.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1957

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

83
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	76.1	77.7	78.4	78.4	78.4	78.4	77.7	77.7	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 20000	82.4	83.2	83.2	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 18000	82.4	83.2	83.2	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 16000	82.4	83.2	83.2	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 14000	82.4	83.2	83.2	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 12000	5.5	56.1	56.1	56.1	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	11.3	71.9	71.9	71.9	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 9000	11.3	71.9	71.9	71.9	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	11.3	71.9	71.9	71.9	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 7000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 5000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4500	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3500	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1600	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 400	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 300	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 200	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 100	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 0	24.5	95.2	95.2	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1951 DALLAS, TX 1951 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1951 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
≥ 20000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
18000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
16000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
14000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
12000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
10000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
9000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
8000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
7000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
6000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
5000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
4500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
4000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
3500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
3000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
2500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
2000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
1800	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
1500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
1200	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
1000	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
900	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
800	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
700	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
600	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
500	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
400	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
300	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
200	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
100	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3
0	74.7	71.9	71.2	70.2	70.9	70.3	70.7	70.3	70.9	70.5	70.7	70.3	70.8	70.8	70.2	70.3

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, TN STATION NAME: ASHEVILLE YEAR: 1951 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 16000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 14000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 5000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1800	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1200	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 1000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 900	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 800	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 700	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 600	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 500	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 400	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 300	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 200	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 100	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0

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 & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 20000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 16000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 900	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 700	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 600	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 400	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 300	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 100	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0

TOTAL NUMBER OF OBSERVATIONS 71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 73-74 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 9000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 177

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 13115, T STATION NAME: YEARS: MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
≥ 20000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
18000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
16000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
14000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
12000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
10000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
9000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
8000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
7000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
6000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
5000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
4500	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
4000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
3500	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
3000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
2500	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
2000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
1800	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
1500	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
1200	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
1000	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
900	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
800	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
700	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
600	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
500	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
400	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
300	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
200	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
100	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
0	71.9	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

73-92

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	75.4	80.0	85.4	88.2	87.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	85.7	87.1	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IVV 18000	5.7	7.1	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
16000	5.7	87.4	87.7	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IVV 14000	6.1	88.4	88.7	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
12000	7.1	89.4	89.7	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVV 10000	10.7	92.6	92.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
9000	11.0	93.2	93.6	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVV 8000	11.4	94.5	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
7000	12.9	95.5	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVV 6000	12.9	95.5	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
5000	12.9	96.1	96.5	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IVV 4500	13.0	96.5	96.8	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
4000	14.2	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVV 3500	14.8	97.4	97.7	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
3000	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 2500	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 1800	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 1200	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 900	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 700	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVV 500	14.8	97.4	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	14.8	97.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVV 300	14.8	97.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	14.8	97.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVV 100	14.8	97.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	14.8	97.4	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.7	72.7	72.7	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 20000	77.7	79.6	80.3	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 18000	77.7	79.6	80.6	80.9	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 16000	77.7	79.9	80.7	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 14000	77.7	80.3	81.3	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 12000	77.7	82.3	83.3	83.7	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 10000	80.7	82.8	83.8	84.0	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000	80.7	82.8	83.6	83.9	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	85.1	87.4	88.4	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	85.1	87.4	88.4	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 6000	86.7	88.7	89.7	90.1	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 5000	86.7	88.7	89.9	90.1	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 4500	88.4	90.3	91.1	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 4000	88.4	90.3	91.1	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3500	90.1	91.9	92.7	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3000	90.1	91.9	92.7	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500	91.8	93.4	94.2	94.5	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	91.8	93.4	94.2	94.5	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	93.5	95.1	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	93.5	95.1	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	95.1	96.6	97.3	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	95.1	96.6	97.3	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	96.7	98.0	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	96.7	98.0	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2470

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ALLAS, TN STATION NAME: 73-40 YEARS: AUG MONTH: 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	≥ 0	≥ 0
NO CEILING	77.7	79.7	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
≥ 20000	84.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IVIV 18000	84.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IVIV 16000	84.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IVIV 14000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 12000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 10000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 9000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 8000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 7000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 6000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 5000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 4500	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 4000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 3500	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 3000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 2500	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 2000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 1800	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 1500	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 1200	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 1000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 900	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 800	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 700	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 600	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 500	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 400	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 300	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 200	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 100	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 0	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS: 121

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, T STATION NAME: YEARS: MONTH: HOURS (L & 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	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 20000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 18000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 16000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 14000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 12000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 10000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 9000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 8000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 7000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 6000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1200	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 900	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 800	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 700	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 600	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 500	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 400	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 300	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 200	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 100	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 0	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEAR: 1954 MONTH: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 20000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 18000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 16000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 14000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 12000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 10000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 9000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 7000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 6000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 5000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4500	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3500	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1800	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1500	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1200	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1000	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 900	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 800	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 700	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 600	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 500	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 400	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 300	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 200	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 100	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 0	57.7	63.7	68.9	71.1	74.3	79.4	80.4	80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1957 MONTH: SEP
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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.8	65.4	67.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 16000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 14000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 8000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3500	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 2500	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 2000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1800	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1500	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1200	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1000	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 900	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 800	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 700	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 600	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 500	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 400	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 300	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 200	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 100	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 0	77.4	71.3	77.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION
CALLAS, TX

STATION NAME

YEARS

MONTH

1.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
≥ 20000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 18000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 16000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 14000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 12000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 10000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 9000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 8000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 7000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 6000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 5000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 4500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 4000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 3500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 3000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 2500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 2000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 1800	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 1500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 1200	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 1000	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 900	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 800	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 700	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 600	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 500	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 400	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 300	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 200	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 100	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 0	55.4	40.7	61.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: _____ YEAR: _____ MONTH: _____ HOURS: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	54.8	58.7	58.7	56.5	55.1	59.5	59.5	46.0	53.7	59.0	59.5	53.7	56.7	56.7	55.1	55.1
IV 20000	57.4	71.9	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	72.3
IV 18000	57.4	71.9	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	72.3
IV 16000	57.4	71.9	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	72.3
IV 14000	57.4	71.9	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	72.3
IV 12000	57.4	71.9	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	72.3
IV 10000	57.4	71.9	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	72.3
IV 9000	57.4	71.9	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	72.3
IV 8000	57.4	71.9	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	72.3
IV 7000	57.4	71.9	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	72.3
IV 6000	57.4	71.9	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	72.3
IV 5000	57.4	71.9	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	72.3
IV 4500	57.4	71.9	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	72.3
IV 4000	57.4	71.9	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	72.3
IV 3500	57.4	71.9	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	72.3
IV 3000	57.4	71.9	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	72.3
IV 2500	57.4	71.9	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	72.3
IV 2000	57.4	71.9	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	72.3
IV 1800	57.4	71.9	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	72.3
IV 1500	57.4	71.9	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	72.3
IV 1200	57.4	71.9	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	72.3
IV 1000	57.4	71.9	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	72.3
IV 900	57.4	71.9	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	72.3
IV 800	57.4	71.9	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	72.3
IV 700	57.4	71.9	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	72.3
IV 600	57.4	71.9	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	72.3
IV 500	57.4	71.9	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	72.3
IV 400	57.4	71.9	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	72.3
IV 300	57.4	71.9	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	72.3
IV 200	57.4	71.9	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	72.3
IV 100	57.4	71.9	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	72.3
IV 0	57.4	71.9	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	72.3

TOTAL NUMBER OF OBSERVATIONS: _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 72-80 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.7	68.4	69.3	69.4	67.4	67.4	69.4	69.4	69.4	67.4	67.4	69.4	67.4	69.4	67.4	69.4
IV 20000	75.7	72.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 18000	75.7	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 16000	75.7	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 14000	75.7	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 12000	75.7	83.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 10000	75.7	87.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 9000	75.7	87.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 8000	75.7	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 7000	75.7	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 6000	75.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	75.7	94.5	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
IV 4500	75.7	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
IV 4000	75.7	97.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	75.7	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	99.7
IV 3000	75.7	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	99.7
IV 2500	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	75.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 20000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 18000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 14000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 12000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 10000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 9000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 8000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 7000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 6000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 5000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 4000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500	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
IV 2000	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
IV 1800	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
IV 1500	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
IV 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
IV 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
IV 900	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
IV 800	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
IV 700	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
IV 600	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
IV 500	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
IV 400	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
IV 300	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
IV 200	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
IV 100	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
IV 0	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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEAR: _____ MONTH: _____
 STATION: _____ YEAR: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS: _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 20000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
18000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
16000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
14000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
12000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
10000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
9000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
8000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
7000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
6000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
5000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
4500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
4000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
3500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
3000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1800	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1200	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
900	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
800	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
700	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
600	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
400	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
300	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
200	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
100	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 20000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 16000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 10000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1800	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 900	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 800	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 700	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 500	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 400	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 300	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 200	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 0	1.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: 27-40 YEARS: 500 MONTH: 07
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.):

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING	71.9	58.7	61.7	84.1	80.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 20000	71.9	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 18000	71.9	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	71.9	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1800	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1500	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1200	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1000	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 900	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 800	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 700	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 600	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 500	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 400	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 300	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 200	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 100	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
0	71.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0

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)

76
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3/4	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 3/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	87.7	87.7	81.3	82.0	87.0	83.0	83.0	83.0	87.0	83.0	87.0	83.0	83.0	83.0	83.0	87.0
IV 20000	87.7	89.3	87.7	84.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 18000	87.7	89.3	87.3	84.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 16000	87.7	89.3	87.3	84.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 14000	87.7	89.3	87.3	84.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 10000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 9000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 8000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 7000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 6000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 5000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 500	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 400	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 300	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 200	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 100	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 0	87.7	89.3	86.0	87.3	85.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0

TOTAL NUMBER OF OBSERVATIONS

5

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	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	51.7	53.0	54.7	56.0	57.3	58.7	60.0	61.3	62.7	64.0	65.3	66.7	68.0	69.3	70.7
IV 20000	51.7	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
IV 18000	51.7	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
IV 16000	51.7	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
IV 14000	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0
IV 12000	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0
IV 10000	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
IV 9000	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
IV 8000	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0
IV 7000	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0
IV 6000	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
IV 5000	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
IV 4500	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0
IV 4000	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0
IV 3500	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0
IV 3000	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0
IV 2500	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0
IV 2000	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0
IV 1800	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0
IV 1500	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0
IV 1200	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0
IV 1000	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0
IV 900	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0
IV 800	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0
IV 700	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0
IV 600	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0
IV 500	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
IV 400	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
IV 300	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
IV 200	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
IV 100	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0
IV 0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	51.7	53.7	54.7	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
IV 20000	61.0	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	61.7	61.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000	61.7	61.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 14000	63.0	63.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	65.7	65.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 10000	71.0	71.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	71.0	71.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	73.0	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
IV 7000	73.0	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
IV 6000	73.7	73.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 5000	75.7	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	76.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	79.0	79.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	81.0	81.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	84.0	84.0	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
IV 2500	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 900	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 800	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 500	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 400	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 300	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 200	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 100	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 0	87.0	87.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1953-54 MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3/4	≥ 2	≥ 1 1/4	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0		
NO CEILING	1.7	53.7	57.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 20000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 18000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 16000	1.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	1.7	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	64.7	64.7
IV 12000	1.7	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	64.7	64.7
IV 10000	1.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	1.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	1.7	75.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	1.7	75.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	1.7	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	78.3
IV 5000	1.7	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	78.3
IV 4500	1.7	82.7	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	84.0
IV 4000	1.7	85.0	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	86.3
IV 3500	1.7	87.7	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	1.7	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	1.7	90.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	1.7	93.0	94.0	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
IV 1800	1.7	93.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	1.7	94.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	1.7	94.3	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	1.7	94.7	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	1.7	94.7	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	1.7	94.7	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 200	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 100	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 0	1.7	95.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, T. STATION NAME: YEARS: MONTH: HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	1.3	64.7	64.7	74.7	64.7	4.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 20000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 18000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 16000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 14000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 12000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 10000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 9000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 8000	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	88.3
IV 7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 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	90.3
IV 4500	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	90.3
IV 4000	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	90.3
IV 3500	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	91.3
IV 3000	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	91.3
IV 2500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	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	99.3
IV 600	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	99.3
IV 500	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	99.7
IV 400	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	99.7
IV 300	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	99.7
IV 200	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	99.7
IV 100	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	99.7
IV 0	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	99.7

TOTAL NUMBER OF OBSERVATIONS: 7,000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 73-77 MONTH: SEP

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	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IVIV 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IVIV 16000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IVIV 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IVIV 12000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVIV 10000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IVIV 9000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IVIV 8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIV 7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIV 6000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVIV 5000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVIV 4500	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	90.3
IVIV 4000	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	90.3
IVIV 3500	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	91.3
IVIV 3000	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	91.3
IVIV 2500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVIV 2000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVIV 1800	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVIV 1500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IVIV 1200	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IVIV 1000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IVIV 900	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVIV 800	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVIV 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVIV 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVIV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVIV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVIV 300	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IVIV 200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IVIV 100	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IVIV 0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	56.4	61.3	61.4	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV ≥ 20000	61.3	67.3	65.3	65.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 18000	61.3	67.5	65.3	65.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	61.3	67.5	65.3	65.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	62.7	68.7	66.3	67.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	64.6	70.5	71.6	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 10000	65.4	75.4	77.3	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 9000	65.4	76.3	77.3	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 8000	71.3	78.5	80.7	82.6	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 7000	71.3	78.5	80.7	81.2	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 6000	72.3	79.5	81.1	81.8	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000	73.3	80.5	82.5	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	73.9	81.5	83.2	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	75.1	83.7	84.7	85.5	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	76.4	84.1	85.8	86.6	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	77.5	84.5	86.8	87.7	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	76.3	85.1	87.7	88.7	89.2	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	77.1	86.3	89.7	90.9	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	77.3	87.2	89.3	90.3	91.0	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	76.3	88.5	91.7	92.1	92.8	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	77.8	89.9	92.3	93.6	94.1	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	78.1	90.4	93.0	94.3	94.7	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	78.3	90.5	93.3	94.5	95.3	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	78.7	91.2	93.8	95.0	95.7	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 700	79.7	91.5	94.1	95.5	96.4	96.7	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	79.7	91.7	94.4	95.8	96.8	97.1	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	79.8	92.7	94.7	96.2	97.1	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	79.8	92.7	94.7	96.4	97.5	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	79.8	92.3	95.3	96.5	97.1	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	79.8	92.3	95.7	96.5	97.1	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	79.8	92.3	95.7	96.5	97.1	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	79.8	92.3	95.7	96.5	97.1	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2470

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 20000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 10000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1800	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 900	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 800	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 700	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 600	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 400	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 300	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 200	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

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 IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 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	
IV 20000	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	66.8	
IV 18000	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	66.8	
IV 16000	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	66.8	
IV 14000	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	66.8	
IV 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
IV 9000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
IV 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
IV 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
IV 6000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
IV 5000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
IV 4500	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	
IV 4000	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	
IV 3500	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	
IV 3000	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	
IV 2500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
IV 2000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
IV 1800	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 1500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 1200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 1000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 900	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 800	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 700	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 600	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 400	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 300	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 100	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-52 MONTH SEP
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L & T) 0000-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	4.7	16.9	52.1	67.1	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.1	68.4	68.6
IV 20000	5.2	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 18000	5.5	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 16000	5.5	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 14000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 12000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 10000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 9000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 8000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 7000	5.7	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 6000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 5000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 4500	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 4000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 3500	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 3000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 2500	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 2000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 1800	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 1500	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 1200	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 1000	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 900	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 800	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 700	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 600	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 500	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 400	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 300	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 200	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 100	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5
IV 0	6.1	18.1	52.7	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.3	68.5

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: ALL MONTHS HOURS (L.S.T.): ALL HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING	47.4	55.5	58.1	60.5	57.1	7.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 20000	47.4	55.5	58.1	60.5	57.1	7.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1500	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	47.4	55.5	58.1	60.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS 311

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	7.4	19.0	22.4	25.4	30.0	30.4	33.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	
IV 20000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 18000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 16000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 14000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 12000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 10000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 9000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 8000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 7000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 6000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 5000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 4500	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 4000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 3500	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 3000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 2500	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 2000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 1800	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 1500	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 1200	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 1000	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 900	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 800	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 700	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 600	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 500	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 400	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 300	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 200	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 100	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	
IV 0	1.0	4.3	4.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	6.7	6.2	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS: L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING
IV 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS: _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, TN YEARS: 72-82 MONTH: 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	≥ ¼	≥ 5/16	≥ 0
NO CEILING	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
14000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
10000	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
9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
8000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
7000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
4000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000	91.0	91.0	91.0	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	93.6	93.6	93.6	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	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1800	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1500	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	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	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
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (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	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 20000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 16000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 10000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 9000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 5000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	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	98.7
IV 800	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	98.7
IV 700	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	99.7
IV 600	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	99.7
IV 500	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	99.7
IV 400	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	99.7
IV 300	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	99.7
IV 200	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	99.7
IV 100	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	99.7
IV 0	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	99.7

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, TN STATION NAME: ASHEVILLE YEAR: 1957 MONTH: ALL
 HOURS (L & 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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
≥ 20000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 18000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 16000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 14000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 12000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 10000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 9000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 8000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 7000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 6000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 5000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 4500	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 4000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 3500	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 3000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 2500	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 2000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 1800	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 1500	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 1200	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 1000	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 900	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 800	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 700	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 600	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 500	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 400	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 300	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 200	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 100	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
IV 0	61.7	63.7	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8

TOTAL NUMBER OF OBSERVATIONS 74

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	2.0	2.7	2.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
IV 20000	62.7	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	63.3	64.3	64.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	66.7	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 9000	66.7	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 8000	69.7	70.0	70.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	70.0	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	73.3	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	74.3	75.7	75.7	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4000	74.3	75.7	75.7	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 3500	75.7	77.0	77.0	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	77.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	79.7	81.0	81.0	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
IV 2000	81.7	83.3	83.3	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
IV 1800	82.7	84.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	84.7	86.3	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	86.7	88.3	88.3	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	87.7	89.3	89.3	89.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	87.7	91.3	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	88.7	91.7	91.7	91.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	89.7	92.3	92.3	92.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 600	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 300	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 100	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
0	89.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: WALLA, TN STATION NAME: 75-02 YEARS: NOV
STATION MONTH STATION NAME YEARS MONTH
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	4.7	35.0	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	55.3
≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IVIM 18000	57.7	57.3	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
IVIM 16000	57.7	57.3	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
IVIM 14000	57.7	57.3	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
IVIM 12000	57.7	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	58.0	58.0
IVIM 10000	58.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVIM 9000	58.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVIM 8000	61.7	63.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IVIM 7000	63.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IVIM 6000	64.7	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	65.7
IVIM 5000	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IVIM 4500	67.3	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	69.7
IVIM 4000	67.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IVIM 3500	68.3	70.0	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	70.7
IVIM 3000	68.7	70.3	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	71.3
IVIM 2500	69.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IVIM 2000	73.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IVIM 1800	76.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IVIM 1500	77.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVIM 1200	77.7	85.7	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	86.3
IVIM 1000	78.7	86.7	87.7	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
IVIM 900	78.7	87.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVIM 800	79.7	89.3	90.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVIM 700	79.7	89.3	91.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVIM 600	79.7	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IVIM 500	79.7	91.0	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
IVIM 400	79.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVIM 300	79.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVIM 200	79.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVIM 100	79.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVIM 0	79.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS: 10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: 12 HOURS (L & 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	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	1.0	13.0	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	
IV 20000	2.0	14.0	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	
IV 18000	2.0	14.0	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	
IV 16000	2.0	14.0	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	
IV 14000	2.0	14.0	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	
IV 12000	2.0	14.0	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	
IV 10000	2.0	14.0	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	
IV 9000	2.0	14.0	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	
IV 8000	2.0	14.0	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	
IV 7000	2.0	14.0	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	
IV 6000	2.0	14.0	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	
IV 5000	2.0	14.0	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	
IV 4500	2.0	14.0	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	
IV 4000	2.0	14.0	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	
IV 3500	2.0	14.0	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	
IV 3000	2.0	14.0	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	
IV 2500	2.0	14.0	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	
IV 2000	2.0	14.0	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	
IV 1800	2.0	14.0	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	
IV 1500	2.0	14.0	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	
IV 1200	2.0	14.0	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	
IV 1000	2.0	14.0	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	
IV 900	2.0	14.0	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	
IV 800	2.0	14.0	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	
IV 700	2.0	14.0	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	
IV 600	2.0	14.0	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	
IV 500	2.0	14.0	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	
IV 400	2.0	14.0	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	
IV 300	2.0	14.0	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	
IV 200	2.0	14.0	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	
IV 100	2.0	14.0	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	
IV 0	2.0	14.0	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	

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1950 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS IN SET: 29

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	45.7	45.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 20000	44.3	50.3	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	44.3	50.3	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	44.3	50.3	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	44.3	50.3	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	44.3	50.3	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000	44.3	54.3	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 9000	44.3	54.3	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	44.3	57.3	58.7	58.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	44.3	58.3	60.3	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	44.3	59.3	61.3	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 5000	44.3	61.7	64.0	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
IV 4500	44.3	62.7	64.3	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	44.3	62.7	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	44.3	63.7	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	44.3	65.7	66.3	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
IV 2500	44.3	68.3	70.7	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2000	44.3	70.3	73.3	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1800	44.3	70.7	73.3	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 1500	44.3	75.3	77.7	78.0	78.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1200	44.3	76.3	79.3	79.3	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	44.3	79.3	81.3	81.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 900	44.3	79.7	83.7	83.7	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 800	44.3	81.7	85.0	87.0	88.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	44.3	81.0	86.7	88.0	89.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	44.3	81.3	87.3	88.7	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	44.3	82.7	88.3	90.0	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	44.3	82.7	88.3	91.3	93.3	94.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300	44.3	82.7	88.3	91.3	93.3	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	44.3	82.7	88.3	91.3	93.3	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	44.3	82.7	88.3	91.3	93.3	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 0	44.3	82.7	88.3	91.3	93.3	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS: 29

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: FALLS, TN YEAR: 1953 MONTH: 12 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	≥ 3/16	≥ ¼	≥ 0
NO CEILING	49.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 20000	55.3	59.7	59.7	59.0	59.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 16000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 10000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 9000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 6000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 5000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 4500	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 4000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 3500	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 3000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 2500	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 2000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 1800	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 1500	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 1200	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 1000	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 900	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 800	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 700	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 600	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 500	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 400	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 300	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 200	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 100	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 0	55.3	59.7	59.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3

TOTAL NUMBER OF OBSERVATIONS: 304

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DALLAS, TX

STATION NAME

12-82

YEAR

NO.

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	35.7	46.3	56.3	66.3	76.3	86.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 20000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 18000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 16000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 14000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 12000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 10000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 9000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 8000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 7000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 6000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 5000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 4500	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 4000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 3500	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 3000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 2500	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 2000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 1800	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 1500	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 1200	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 1000	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 900	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 800	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 700	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 600	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 500	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 400	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 300	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 200	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 100	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 0	59.3	69.3	79.3	89.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: WALLA, T STATION NAME: 73-22 YEARS: NOV
 MONTH: 1c
 HOURS (L & Y):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	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	85.3
IV 2000	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	85.3
IV 1800	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 600	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	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
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

YEAR

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	7.7	13.7	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
IV 20000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	7.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	7.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	7.7	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	74.7
IV 7000	7.7	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	74.7
IV 6000	7.7	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	74.7
IV 5000	7.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	7.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	7.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	7.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	7.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	7.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	7.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	7.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	7.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	7.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	7.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	7.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	7.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	7.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	7.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

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	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.8	56.0	54.4	51.4	51.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 20000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 18000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 16000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 14000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 12000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 10000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 9000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 8000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 7000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 6000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 5000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 4500	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 4000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 3500	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 3000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 2500	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 2000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 1800	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 1500	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 1200	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 1000	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 900	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 800	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 700	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 600	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 500	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 400	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 300	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 200	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 100	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 0	57.0	56.0	53.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7

TOTAL NUMBER OF OBSERVATIONS

24 113

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 77-80 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	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 6000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 5000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 500	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	95.3
IV 400	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: HOURS LL & Y: PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 20000	4.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 18000	4.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	4.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	4.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	4.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	6.3	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
IV 9000	6.3	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
IV 8000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	7.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS: _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-02

YEAR

057

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 20000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 18000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 16000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 14000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 12000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 10000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 9000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 8000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 7000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 6000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 5000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 4500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 4000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 3500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 3000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 2500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 2000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 1800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 1500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 1200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 1000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 900	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 700	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 600	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 400	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 300	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
IV 100	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
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	57.0	

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951 MONTH: 07 HOUR (L.S.T.): 07

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ 0
NO CEILING	48.4	52.5	57.4	62.9	68.2	73.2	77.2	83.7	87.3	89.2	91.2	91.2	93.2	93.2
IV 20000	4.3	60.3	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	5.3	61.3	67.7	68.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	5.7	61.3	67.7	68.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	5.7	61.3	61.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	5.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	5.7	63.2	67.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 9000	5.7	63.2	67.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 8000	5.7	64.8	67.2	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	5.7	66.2	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	5.7	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	5.7	69.1	67.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4500	5.7	70.1	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	5.7	71.0	71.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3500	5.7	71.6	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3000	5.7	72.6	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2500	5.7	73.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	5.7	75.2	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	5.7	76.1	77.4	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	5.7	79.1	79.7	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	5.7	80.2	81.3	81.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1000	5.7	82.9	84.5	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	5.7	82.9	84.5	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	5.7	84.7	86.1	87.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	5.7	84.7	86.1	87.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 600	5.7	85.2	87.4	88.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 500	5.7	85.2	87.7	89.0	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 400	5.7	85.9	89.1	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	5.7	85.9	89.1	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	5.7	86.1	89.4	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	5.7	86.1	89.4	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	5.7	86.1	89.4	90.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 710

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 73-74 MONTH: 02
 STATION: MONTH: HOURS (LST): 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS: 12

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: 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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	57.1	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
≥ 20000	56.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000	56.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 16000	56.2	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 14000	56.3	56.5	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	56.1	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	56.4	71.0	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
IV 9000	56.4	71.0	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
IV 8000	71.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	71.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	74.2	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	73.5	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	76.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	76.5	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	78.1	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	77.7	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	78.1	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	78.1	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1800	78.7	86.4	86.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500	78.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	79.4	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 700	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 600	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 500	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 400	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 300	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 200	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 100	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 0	79.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NAME: 73-12 YEARS: 1951 MONTH: 11 HOURS I. L. 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	61.5	62.0	67.1	53.8	55.1	74.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 20000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 18000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 16000	66.7	67.7	67.6	63.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	67.5	68.3	68.6	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	68.2	70.2	70.6	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	71.0	73.1	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 9000	71.0	73.1	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	74.4	75.7	75.1	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	74.4	76.4	76.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	76.1	77.7	78.0	78.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 5000	77.7	79.6	79.9	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4500	79.7	80.4	81.2	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	80.6	82.5	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	80.6	82.5	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	80.6	82.5	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2500	80.6	82.5	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	80.6	82.5	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	85.3	86.4	87.4	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	85.3	86.4	87.4	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1200	85.3	86.4	87.4	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 500	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 300	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 200	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 100	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 0	85.4	89.6	91.3	91.9	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-22

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	2.0	67.0	62.0	67.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 20000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 10000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 8000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 7000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 5000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4500	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2500	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 1800	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 1500	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 1200	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 1000	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 900	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 800	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 700	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 600	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 500	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 400	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 300	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 200	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 100	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 0	6.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0

TOTAL NUMBER OF OBSERVATIONS

305

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-47

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L E V)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 20000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 18000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 14000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 14000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 12000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 10000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 9000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 8000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 7000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 6000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 5000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 4500	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 4000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 3500	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 3000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 2500	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 2000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 1800	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 1500	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 1200	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 1000	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 900	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 800	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 700	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 600	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 500	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 400	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 300	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 200	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 100	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5
IV 0	77.7	79.3	81.1	84.3	87.4	89.4	89.9	77.5	89.7	84.3	89.2	89.8	89.8	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1953

YEAR

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

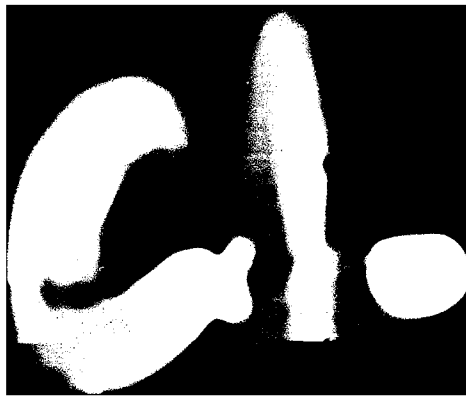
ALL
HOURS (L & T)

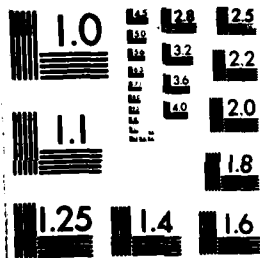
CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.6	46.2	57.4	53.9	59.1	72.1	59.1	59.2	59.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 20000	61.7	44.7	65.2	61.5	65.7	65.9	65.7	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 18000	61.8	54.9	65.3	65.7	65.9	65.9	66.0	66.0	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	61.8	54.9	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	62.3	55.3	65.6	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	63.4	56.7	67.3	67.6	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	67.7	70.5	71.1	71.5	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	67.3	70.5	71.4	71.8	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	69.4	73.1	73.7	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	71.1	73.9	74.9	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	71.3	74.6	75.2	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	72.7	76.5	77.2	77.6	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500	73.6	77.4	78.1	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	76.7	78.7	79.6	80.2	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	76.3	80.4	80.9	81.3	81.7	81.4	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	76.4	81.8	82.6	83.2	83.5	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	77.1	83.4	84.3	84.9	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	77.9	85.3	85.3	86.9	87.3	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	78.1	86.1	87.0	87.7	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	78.4	88.2	89.4	90.2	90.7	90.8	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
IV 1200	78.5	89.4	90.7	91.6	92.2	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	79.7	90.4	91.9	92.9	93.6	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2
IV 900	83.1	90.7	92.2	93.2	94.0	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
IV 800	83.7	91.7	92.9	94.1	95.0	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.7	95.7	95.7
IV 700	83.4	91.4	93.4	94.5	95.6	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 600	83.7	91.3	93.7	95.0	96.2	96.5	96.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2
IV 500	83.4	92.1	94.0	95.4	96.7	97.1	97.5	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IV 400	83.4	92.2	94.3	95.6	97.1	97.5	98.0	98.3	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7
IV 300	83.6	92.3	94.3	95.8	97.3	97.7	98.2	98.6	98.7	98.9	99.0	99.1	99.2	99.2	99.3	99.3
IV 200	83.8	92.3	94.4	95.9	97.4	97.7	98.4	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5
IV 100	83.4	92.3	94.3	95.8	97.4	97.8	98.4	98.8	98.9	99.2	99.5	99.5	99.6	99.7	99.8	99.8
IV 0	83.3	92.3	94.3	95.8	97.4	97.8	98.4	98.8	98.9	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

22211

DIRNAVOCEANMET SMOS





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

4

SKY COVER

93901 DALLAS, TX 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	44.7			18.3						15.0	22.0	4.1	300
	03	47.0			17.7						11.7	23.7	3.9	300
	06	24.3			30.7						17.7	27.3	5.2	300
	09	24.0			24.3						24.3	27.3	5.7	300
	12	13.0			34.3						29.3	23.3	6.0	300
	15	13.3			33.7						32.7	20.3	6.0	300
	18	19.0			37.0						24.3	19.7	5.3	300
	21	44.0			20.0						15.3	20.7	4.0	300
TOTALS		28.7			27.0						21.3	23.0	5.0	2400

NAVWEASERVCOM

SKY COVER

93901 DALLAS, TX

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	25.0			15.6						11.9	44.5	6.0	2480
FEB		24.7			17.3						14.1	39.9	5.8	2256
MAR		24.6			16.3						19.2	39.9	6.2	2480
APR		23.7			18.9						20.9	36.6	6.1	2400
MAY		21.5			23.2						23.5	31.9	6.0	2479
JUN		27.5			29.5						24.5	14.5	4.9	2400
JUL		28.4			38.0						20.2	13.4	4.3	2479
AUG		28.6			33.6						24.1	13.7	4.6	2480
SEP		28.7			27.0						21.3	23.0	5.0	2400
OCT		36.3			21.7						18.6	23.4	4.7	2480
NOV		33.8			17.0						14.6	34.7	5.3	2400
DEC		34.5			17.3						15.1	33.0	5.2	2478
TOTALS		28.7			23.0						19.0	29.4	5.3	29212

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

4

DAILY TEMPERATURES

STATION _____ STATION NAME _____ YEARS _____
 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
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99													
100													
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

4

DAILY TEMPERATURES

STATION: DALLAS, TX STATION NAME: YEARS: 43

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
60						7.0	16.6	18.6	1.5				0.1
61						38.1	7.8	57.1	16.9	1.4			1.7
62				4.2	23.8	71.7	95.3	89.7	48.9	8.7	.4		7.0
63		.2	3.2	17.3	50.7	91.3	99.2	98.3	71.4	22.2	3.0	.6	31.6
64	1.4	1.9	17.7	39.3	76.6	97.3	99.9	100.0	86.4	42.6	10.0	2.7	47.9
65	4.8	7.0	21.5	59.3	99.5	99.5	100.0		75.7	41.0	19.7	6.5	55.9
66	10.2	14.6	38.7	76.6	96.9	100.0			88.9	77.7	32.4	11.9	63.7
67	17.7	26.4	56.4	88.8	99.5				100.0	91.3	57.7	22.2	71.6
68	2.4	43.7	73.8	95.2	99.9					67.9	69.7	40.4	74.7
69	44.6	64.8	87.4	99.3	100.0					99.7	85.1	64.2	87.8
70	6.7	81.4	95.4	100.0						100.0	95.4	82.3	95.7
71	9.6	93.3	98.6								98.9	92.9	97.7
72	11.9	98.5	99.0								99.3	97.7	99.0
73	15.4	99.3	99.8								100.0	99.6	99.6
74	29.7	99.6	100.0									100.0	99.9
75	29.7	100.0											100.0
76	29.7												100.0
77													
78													
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100													
MEAN	51.5	53.0	48.3	52.1	64.0	72.0	76.0	75.1	69.1	57.2	45.8	38.1	55.9
S. D.	1.072	0.879	1.177	0.715	0.955	0.278	0.668	0.296	0.866	0.827	1.016	0.621	1.078
TOTAL OBS.	1145	1064	1176	1178	1176	1140	1143	1178	1141	1179	1139	1130	11777

NAVWEASERVCOM

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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
30						.1	1.	.6					
31						1.5	22.1	23.3	2.1				4
32					2.1	37.7	72.1	62.6	20.7	.6			1.5
33				2.3	27.4	72.4	92.8	91.9	51.2	7.5			2
34		.1	3.4	14.6	51.5	91.4	99.4	99.2	73.7	25.6	2.3	.1	7.5
35		1.7	11.2	39.0	75.7	98.0	100.0	99.8	90.4	47.1	9.4	1.5	49.6
36		6.1	24.7	62.9	91.2	9.7		100.0	97.0	70.0	21.0	5.6	57.0
37	11.2	17.6	43.9	8.7	97.5	100.0			99.4	75.8	77.1	13.0	67.0
38	1.5	31.5	62.8	92.4	99.6				100.0	80.3	56.0	38.1	73.4
39	34.7	49.8	77.3	94.6	100.0					63.7	74.0	45.7	87.7
40	77.7	56.9	88.4	99.8						9.3	98.9	67.4	81.0
41	6.5	92.5	95.2	99.9						1.0	95.7	83.2	97.9
42	92.8	92.0	97.6	100.0							99.0	97.7	97.9
43	9.4	97.6	99.5								99.8	97.7	97.7
44	5.7	99.4	99.7								100.0	99.2	99.0
45	7.7	99.9	100.0									100.0	99.9
46	9.7	100.0											100.0
47	100.0												100.0
48													
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100													
MEAN	44.4	47.3	57.8	65.4	74.1	80.1	86.4	89.4	78.7	67.4	55.0	44.4	65.3
S. D.	11.4	10.7	11.2	10.7	10.3	9.1	8.2	7.4	6.7	6.1	5.6	5.4	10.1
TOTAL OBS.	114	104	117	113	112	114	113	117	114	117	111	111	1170

NAVWEASERVCOM

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 4401 STATION NAME: ASHEVILLE, NC YEARS: 1946-1982 MONTH: JANUARY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	41.0	7.2	55.1	12.8	72	22.2	1976	34.9	1.6	12	-11.1	1979
2	40.2	7.9	55.6	13.1	77	25.0	1982	36.0	2.7	11	-11.7	1979
3	43.3	6.3	53.9	12.2	73	22.0	1971*	32.6	.3	13	-11.6	1959
4	42.5	5.8	51.6	10.9	73	22.0	1955	33.4	.8	7	-13.9	1947
5	43.4	6.3	53.9	12.1	71	21.1	1956	33.1	.6	9	-12.8	1947
6	44.0	7.2	55.5	13.1	79	26.1	1982*	34.0	1.2	19	-7.2	1968
7	43.1	6.2	53.9	12.1	72	26.1	1975	32.5	.3	12	-11.1	1969
8	44.0	7.0	55.7	13.2	83	28.3	1969	34.7	1.1	10	-11.1	1976
9	42.0	6.1	53.5	11.9	85	29.4	1957	32.4	.2	13	-11.6	1977
10	41.5	5.3	52.5	10.3	77	25.0	1963	32.5	.3	7	-13.9	1962
11	41.0	5.3	52.5	10.4	80	26.7	1971	32.2	.1	8	-13.3	1962
12	43.1	6.2	52.1	11.2	76	24.4	1972*	34.1	1.2	3	-16.1	1973
13	44.0	7.1	53.9	12.2	72	22.0	1952	35.5	1.9	13	-11.6	1944*
14	44.0	7.4	56.1	13.4	76	24.4	1971	34.8	1.6	10	-12.2	1964
15	44.0	7.0	56.3	13.5	75	23.9	1952	34.0	1.1	14	-10.0	1972
16	42.0	5.9	52.9	11.6	76	24.4	1952	32.3	.2	14	-8.9	1962
17	44.4	6.9	54.7	12.6	79	26.1	1974**	34.2	1.2	11	-10.6	1962
18	45.0	7.7	55.8	13.2	82	27.8	1974	35.7	2.1	17	-8.3	1977
19	44.0	6.8	52.6	11.4	84	23.9	1952	36.0	2.2	13	-10.6	1963
20	44.5	6.9	54.8	12.7	80	26.7	1972	34.2	1.2	13	-11.6	1963
21	45.3	7.4	54.7	12.6	80	26.7	1952	35.4	2.1	17	-8.3	1964
22	44.0	7.8	57.2	14.0	82	27.8	1969	34.9	1.6	14	-10.0	1974
23	44.3	6.8	53.7	12.1	80	26.7	1976	34.9	1.6	11	-11.7	1966
24	46.7	6.2	52.4	14.7	84	28.9	1967	35.1	1.7	8	-13.3	1963
25	45.5	9.2	52.3	15.2	81	27.7	1952	37.8	3.2	22	-5.6	1963
26	47.4	8.6	57.7	14.3	79	26.1	1953	37.1	2.8	23	-5.0	1963
27	47.2	7.3	55.1	12.7	81	27.2	1975	35.2	1.8	13	-10.6	1963
28	44.0	7.1	55.5	13.1	85	29.4	197	33.9	1.1	14	-10.0	1968
29	46.3	7.9	56.5	13.6	77	25.0	1971	36.1	2.3	1	-12.2	1966
30	43.0	6.6	53.9	12.2	72	26.1	1967	33.8	1.0	11	-11.8	1969
31	44.1	6.7	53.3	11.8	82	27.8	1974	35.0	1.7	-2	-11.9	1969
Monthly	44.0	7.0	54.6	12.6	85	28.4	197	34.5	1.4	-2	-10.9	1969

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 4001 STATION NAME: DALLAS, TX YEARS: 1940-1982 MONTH: FEBRUARY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	45.7	7.7	56.2	13.4	88	31.1	1963	35.6	2.0	9	-12.8	1951
2	43.8	6.6	53.4	11.7	76	24.4	1962	34.5	1.4	7	-12.8	1951
3	45.2	7.2	54.6	12.6	80	26.7	1976*	35.4	1.9	20	-6.7	1972
4	47.6	8.7	57.8	14.3	79	26.1	1973	37.4	3.0	20	-6.7	1972
5	47.3	8.5	57.3	14.1	80	26.7	1967	38.2	3.4	2	-6.7	1982
6	46.3	7.8	55.7	13.2	78	25.6	1963	36.4	2.4	15	-9.4	1982
7	47.5	7.5	54.9	12.7	83	28.3	1969	36.2	2.3	18	-7.8	1975
8	47.4	8.6	59.4	15.2	86	30.0	1962	35.2	1.5	9	-12.8	1951
9	46.1	8.2	57.8	14.3	87	30.5	1957	35.7	2.1	16	-9.9	1979*
10	47.5	8.7	57.5	15.3	86	30.7	1954	34.8	1.6	17	-8.3	1981
11	47.6	8.7	57.2	14.4	77	25.7	1962	37.4	1.0	13	-10.6	1981
12	47.7	9.3	57.8	14.9	83	28.3	1974	38.7	3.7	21	-6.1	1963
13	47.9	9.9	57.2	16.8	81	27.2	1974	37.6	3.1	18	-7.8	1979
14	48.4	10.2	57.2	15.7	81	27.2	1956	40.5	4.7	22	-5.6	1951
15	48.5	9.9	59.8	15.4	79	26.1	1979*	39.8	4.3	24	-4.4	1951
16	48.5	9.0	59.2	15.0	84	28.9	1976	38.1	3.4	22	-5.6	1979
17	48.3	9.6	59.2	15.9	87	30.5	1959	38.1	3.4	21	-6.1	1981
18	48.2	10.4	60.6	15.9	80	26.7	1974	40.9	4.9	12	-11.1	1979
19	48.0	10.0	60.7	15.9	85	29.4	1980	39.2	4.0	12	-12.2	1978
20	48.7	10.5	61.8	16.6	9	32.2	1980	40.1	4.5	27	-2.8	1978
21	48.2	9.6	59.5	15.3	81	27.2	1982	38.9	3.8	21	-6.1	1979
22	48.2	9.9	60.2	15.7	87	30.6	1982	39.6	4.2	21	-6.1	1963
23	48.1	10.4	61.2	16.2	82	27.8	1982	40.4	4.7	22	-5.6	1955
24	49.2	9.9	60.6	15.9	85	29.4	1972	38.7	3.7	17	-8.3	1965
25	49.3	11.6	64.4	18.0	85	29.4	1972	41.4	5.2	17	-8.3	1967
26	48.3	11.4	63.2	17.3	87	30.6	1954	41.7	5.4	22	-5.6	1967
27	53.1	12.1	64.9	18.3	82	27.8	1953	42.4	6.0	22	-2.2	1962
28	44.7	12.4	65.8	18.8	84	28.9	1981	42.2	6.0	20	-6.7	1962
29	52.7	11.5	64.1	17.8	82	26.7	1976	41.4	5.2	26	-3.3	1968*
30												
31												
Monthly	47.0	9.4	57.6	15.3	90	32.2	1980	38.5	3.6	9	-12.8	1971*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1971 DALLAS, TX 1945-1982 APRIL
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	52.0	11.6	64.1	17.8	85	29.4	1972	41.0	5.4	19	-7.2	1962
2	54.1	12.3	64.1	17.8	85	29.4	1974	44.1	6.7	17	-8.3	1960
3	53.7	12.1	63.7	17.6	86	30.0	1967	43.6	6.4	19	-7.2	1971
4	52.2	11.8	63.0	17.2	86	30.0	1976*	43.5	6.4	22	-5.6	1978
5	51.7	10.9	62.2	16.8	85	29.4	1974*	41.2	5.1	26	-3.3	1965
6	50.9	11.5	63.3	17.4	86	30.0	1974*	42.6	5.9	24	-4.4	1964
7	54.7	12.6	65.9	18.8	91	32.2	1972	43.4	6.3	22	-2.2	1962
8	53.1	11.7	63.8	17.7	84	28.9	1974	42.5	5.8	24	-4.4	1967
9	54.0	12.7	65.7	18.7	81	27.2	1954	43.9	6.6	22	-5.6	1969
10	57.7	14.3	68.6	20.3	94	34.4	1955*	46.7	8.2	26	-3.3	1969
11	56.0	14.4	68.7	20.4	95	35.0	1955	47.3	8.5	12	-11.1	1948
12	56.0	13.3	66.2	19.7	93	33.9	1967	45.7	7.6	13	-10.6	1948
13	55.0	12.8	65.1	18.4	91	32.5	1971	44.9	7.2	23	-5.0	1948
14	56.0	13.6	68.1	20.1	90	32.7	1967	44.8	7.1	26	-3.3	1975
15	56.7	13.5	67.3	19.6	82	27.8	1961	45.2	7.3	27	-2.8	1964
16	56.0	13.8	67.9	19.9	84	28.9	1982	45.6	7.6	28	-2.2	1947
17	57.0	14.7	70.0	21.1	87	30.6	1972	47.1	8.4	32	0.0	1965
18	57.7	14.8	68.7	20.4	88	31.1	1974	48.7	9.3	20	-1.1	1965
19	57.7	14.3	68.4	20.2	88	31.1	1952	46.9	8.3	25	-3.9	1965
20	57.1	14.5	69.0	20.6	85	29.4	1952	47.1	8.4	22	-5.6	1965
21	57.1	13.9	68.7	20.4	85	29.4	1952	45.6	7.6	21	-1.1	1970
22	58.4	14.7	70.1	21.2	85	29.4	1967	46.4	8.2	26	-3.3	1965
23	59.4	15.5	71.8	22.1	89	31.7	1972	47.9	8.8	25	-3.9	1965
24	57.7	14.8	68.4	20.2	88	31.1	1972*	49.0	9.4	21	-1.1	1974
25	57.1	14.2	67.3	19.6	85	29.4	1950	47.7	8.7	25	-3.9	1955
26	56.5	14.7	69.2	20.7	86	30.0	1976	47.8	8.8	23	-5.0	1955
27	59.9	15.4	70.5	21.4	96	35.4	1956	49.1	9.5	22	-5.6	1955
28	61.0	16.4	72.8	22.7	97	32.2	1971	50.2	10.1	30	-1.1	1955
29	60.7	15.9	71.2	21.0	97	32.2	1967	50.5	10.3	20	-1.1	1975
30	60.7	16.0	71.3	21.7	93	33.0	1974	50.3	10.2	27	-2.2	1975
31	63.6	17.6	74.6	23.7	100	37.8	1974	53.0	11.7	37	2.8	1954
Monthly	57.0	13.9	67.7	19.8	100	37.8	1974	46.3	7.9	12	-11.1	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 0501 STATION NAME: CALLAS, TN YEARS: 1945-1982 MONTH: APRIL

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	63.5	17.5	74.2	23.4	87	30.6	1974*	52.7	11.5	36	2.2	1954
2	64.5	18.1	76.0	24.7	88	31.1	1962	57.7	11.5	34	1.1	1952
3	64.5	17.8	74.6	23.7	97	32.2	1950	53.4	11.9	32	.0	1975
4	61.7	16.5	72.1	22.3	83	31.7	1978	51.2	10.7	35	7.3	1945
5	61.3	16.4	72.2	22.3	97	32.2	1967	57.7	10.4	35	1.7	1957
6	64.1	17.8	76.3	24.6	95	35.0	1946	51.8	11.7	37	2.8	1957
7	65.2	18.3	77.2	25.1	91	32.9	1980	54.6	12.6	37	-1.1	1971
8	64.3	18.3	74.9	23.8	87	30.6	1967*	54.9	12.7	37	2.8	1973
9	64.3	17.9	74.8	23.8	99	37.2	1963	53.8	12.1	33	.6	1973
10	64.7	18.2	74.8	23.8	100	37.8	1963	54.7	12.6	30	-1.1	1973
11	64.7	18.2	75.5	24.2	98	36.7	1948	53.9	12.2	37	3.3	1982
12	64.2	17.9	75.2	24.7	93	33.9	1972	53.1	11.7	33	.6	1957
13	61.2	17.3	73.5	23.1	91	32.8	1974*	53.3	11.7	32	.0	1957
14	65.4	18.6	76.1	24.5	87	31.7	1951	54.7	12.6	36	2.2	1945
15	64.3	18.2	75.7	24.3	89	31.7	1967	53.8	12.1	41	5.3	1980*
16	65.1	18.4	75.4	24.1	90	32.2	1967	54.9	12.7	39	3.9	1953
17	66.7	19.3	76.7	24.9	86	30.0	1963*	56.4	13.8	37	2.8	1947
18	67.7	19.8	77.7	25.4	88	31.1	1951	57.6	14.2	39	3.9	1953
19	69.3	20.5	78.2	26.2	91	32.8	1972	59.8	14.9	34	1.1	1953
20	67.8	19.9	77.7	25.4	90	32.2	1963	57.9	14.4	37	2.8	1953
21	68.1	20.0	77.6	25.3	97	36.1	1955	58.3	14.6	42	5.6	1966
22	69.3	20.8	78.6	25.9	93	33.9	1973	60.4	15.8	42	5.6	1959
23	68.9	21.1	79.2	26.2	97	32.2	1958	60.7	15.8	44	6.7	1951
24	68.9	20.5	78.8	26.0	88	31.1	1975	58.9	14.9	37	3.3	1968
25	68.4	20.2	78.2	25.7	88	31.1	1954*	58.6	14.8	45	7.2	1966
26	67.8	19.9	77.3	25.2	88	31.1	1955	58.3	14.6	46	7.8	1945
27	69.1	20.6	78.4	25.9	88	31.1	1948	59.8	15.4	44	6.7	1987
28	69.1	20.6	78.3	25.7	92	33.3	1948	60.1	15.6	44	6.7	1987
29	69.6	20.9	79.0	26.1	91	32.3	1981	60.3	15.7	41	5.3	1965
30	69.6	20.9	79.0	26.1	94	34.4	1981	60.3	15.7	46	7.8	1945
31												
Monthly	66.2	19.3	76.5	24.7	100	37.8	1963	56.7	13.3	30	-1.1	1973

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1942 STATION NAME: ALLAS, T. YEARS: 1945-1942 MONTH: MAY

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	70.0	20.6	78.7	25.9	92	33.3	1978	59.7	15.1	44	6.7	1966
2	70.2	20.7	79.6	26.4	90	32.7	1978	58.8	14.9	45	7.2	1967
3	70.1	21.2	79.8	26.4	90	32.7	1978	60.4	15.8	41	5.0	1964
4	70.1	21.2	80.0	26.7	93	36.7	1947	60.3	15.7	39	3.9	1964
5	70.8	21.4	80.2	26.9	93	36.9	1947	61.0	15.1	46	7.8	1967
6	71.7	22.1	81.2	27.3	94	34.4	1967*	62.2	16.8	50	10.0	1957*
7	71.4	21.9	81.2	27.3	93	33.9	1955	61.6	15.4	47	8.3	1948
8	72.2	22.3	82.2	27.7	92	33.3	1952	62.1	16.7	52	11.1	1982*
9	72.2	22.3	82.8	28.2	98	36.7	1952	63.7	17.6	45	7.2	1949
10	72.3	22.4	81.4	27.4	96	35.6	1967	63.3	17.4	52	11.1	1981
11	71.2	21.8	80.3	26.8	100	37.8	1967	62.2	16.9	43	6.1	1981
12	71.7	21.8	81.5	27.5	98	36.7	1979	61.2	16.2	45	7.2	1979*
13	72.1	22.3	82.6	28.1	94	34.4	1954*	61.7	16.5	45	7.2	1971
14	72.7	22.6	82.9	28.3	96	35.6	1955	62.4	16.9	44	6.7	1971
15	72.8	22.7	82.5	28.1	94	34.4	1978	63.3	17.4	47	9.9	1973
16	72.0	22.8	82.7	28.2	93	33.7	1948	63.4	17.4	45	8.9	194
17	74.4	23.6	84.6	29.2	94	34.4	1964*	64.1	17.8	46	7.8	1947
18	75.7	24.0	85.0	29.4	96	35.6	1956	65.3	18.5	49	9.4	1968
19	75.6	24.2	85.2	29.6	96	35.6	1973*	65.9	18.8	55	12.8	1971*
20	74.4	23.6	84.0	28.9	94	34.4	1956	64.7	18.2	52	11.1	1981
21	75.1	23.9	85.2	29.6	96	35.6	1973	64.9	18.3	52	11.1	1981
22	76.4	24.7	85.8	29.9	95	35.0	1948	67.0	19.4	51	10.6	1945
23	76.0	24.4	85.7	29.8	96	35.6	1962	66.2	19.0	53	11.7	1945
24	76.7	24.8	85.9	29.9	94	34.4	1962*	67.6	19.8	61	15.1	1979*
25	76.8	24.9	87.0	30.6	95	35.0	1967	66.6	19.2	53	11.7	1971
26	77.1	25.1	87.2	30.7	97	36.1	1987	66.9	19.4	55	12.8	1947
27	77.7	25.1	87.2	30.7	100	37.8	1958	67.1	19.5	51	11.6	1981
28	77.5	25.3	87.4	30.8	96	35.6	1951	67.6	19.8	57	13.9	1968
29	77.1	25.1	87.5	30.4	97	36.1	1951	66.8	19.3	49	9.4	1947
30	78.7	25.7	88.3	31.3	96	35.6	1958*	69.2	20.1	46	7.8	1947
31	78.0	25.6	87.7	30.9	96	35.6	1971	68.7	20.2	56	13.3	1975
Monthly	73.8	23.2	83.7	28.7	100	37.8	1967*	64.0	17.8	39	3.9	1954

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

001

DALLAS, T

1945-1987

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	77.5	25.8	77.5	30.3	97	36.1	1953*	67.6	19.8	54	12.2	1944
2	77.0	25.1	77.4	30.8	100	37.8	1977	67.0	19.4	56	13.3	1969
3	76.5	24.9	76.4	30.2	100	37.5	1960	67.2	19.6	53	11.7	1946
4	76.4	25.8	78.3	31.3	99	37.2	1977*	68.4	20.2	54	12.2	1954
5	76.9	26.1	78.5	31.4	104	40.0	1948	69.0	20.8	54	12.2	1970
6	70.5	26.9	91.2	32.7	102	38.9	1948	69.8	21.0	55	12.8	1970
7	71.5	27.6	91.4	33.7	98	36.7	1948	71.7	22.1	60	15.6	1977
8	72.1	27.8	92.2	33.4	101	38.3	1956	72.0	22.2	64	17.8	1977*
9	71.4	27.4	90.7	32.4	99	37.2	1977	72.1	22.3	60	15.6	1955
10	71.9	27.7	91.9	33.3	98	36.7	1963*	71.9	22.2	55	14.4	1955
11	71.7	27.4	90.8	32.7	101	38.3	1953	71.8	22.1	56	13.3	1955
12	71.2	27.3	91.3	32.9	102	38.9	1953	71.1	21.7	59	15.0	1979
13	71.7	27.8	91.9	33.3	101	37.3	1953	72.1	22.3	63	17.2	1970
14	72.6	28.1	92.7	33.7	105	40.6	1973	72.4	22.4	54	12.2	1947
15	72.4	28.1	92.4	33.5	102	38.9	1967	72.4	22.4	57	13.9	1947
16	71.9	27.5	91.4	33.1	99	37.2	1948	71.7	22.1	61	16.1	1961
17	71.9	27.7	91.6	33.1	100	37.8	1952	72.2	22.3	60	15.6	1941
18	72.5	28.1	92.3	33.5	101	38.3	1953*	72.8	22.7	60	15.6	1945
19	73.2	28.4	93.5	34.2	101	38.3	1959*	73.0	22.8	62	16.7	1973
20	73.1	28.4	93.2	34.0	103	39.4	1972*	73.0	22.8	61	16.1	1976*
21	72.9	28.3	93.1	33.9	104	40.0	1953	72.8	22.7	63	17.2	1976*
22	73.0	28.6	93.1	33.9	103	39.4	1953	73.9	23.3	62	17.2	1961
23	73.7	28.7	93.6	34.2	103	39.4	1980	73.9	23.3	64	17.8	1973
24	73.3	28.9	92.7	33.7	104	40.0	1980	73.9	23.3	64	17.8	1973
25	73.3	28.9	93.2	34.7	109	42.2	1980	73.3	22.9	60	15.6	1974
26	73.3	28.9	93.1	33.9	112	44.4	1980	73.5	23.1	58	14.4	1956
27	74.3	29.0	94.1	34.5	111	43.3	1980	74.4	23.6	59	15.0	1956
28	74.5	29.2	94.5	34.7	110	43.3	1980	74.7	23.7	56	13.3	1946
29	74.7	29.3	94.5	34.7	106	41.1	1980	74.9	23.8	64	17.8	1948
30	75.1	29.5	94.9	34.9	105	40.6	1980	75.0	24.1	68	20.0	1950
31												
Monthly	71.9	27.7	91.8	33.1	112	44.4	1960	72.0	22.2	53	11.7	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

DALLAS, TX STATION NAME

1945-1982 YEARS

JULY MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE	EXTREME		DATE	AVERAGE	EXTREME		DATE		
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	64.3	29.3	74.9	34.0	103	42.7	1987	74.8	23.8	67	19.4	1957
2	65.3	29.6	75.4	35.2	103	42.2	1987	75.2	24.0	68	20.0	1947
3	65.4	29.7	75.4	35.2	106	41.1	1987	75.5	24.2	68	20.0	1968
4	65.3	29.6	75.2	35.1	104	40.0	1979	75.4	24.1	67	19.4	1968
5	65.1	29.5	75.1	35.1	103	39.4	1978	75.0	23.9	67	19.4	1968
6	65.3	29.6	75.2	35.1	103	39.4	1954	75.4	24.1	67	16.7	1972
7	65.5	29.7	75.8	35.4	104	40.0	1970	75.3	24.1	64	17.8	1968
8	65.8	29.9	75.9	35.5	107	41.7	1956	75.7	24.3	67	19.4	1952
9	66.6	30.3	76.8	36.1	106	41.1	1978	76.3	24.6	63	17.2	1952
10	66.1	30.1	76.5	35.9	105	40.6	1978	76.2	24.6	65	18.3	1952
11	66.7	30.1	76.6	35.9	107	41.7	1954	75.8	24.3	71	21.1	1945
12	66.7	30.3	76.7	35.9	109	42.8	1954	76.2	24.6	66	18.6	1953
13	66.7	30.1	76.3	35.7	105	40.6	1978	76.1	24.5	65	18.3	1953
14	66.1	30.1	76.3	35.7	107	40.6	1978	76.0	24.4	67	19.4	1953
15	66.1	30.1	76.1	35.6	111	43.0	1978	76.0	24.4	63	17.2	1967
16	66.1	31.0	76.8	35.4	107	41.7	1980	76.2	24.6	67	19.4	1967
17	65.9	29.9	75.9	35.5	109	42.8	1954	75.8	24.3	63	20.0	1961
18	66.5	30.3	76.6	35.9	111	43.3	1987	76.4	24.7	68	18.9	1945
19	66.1	30.0	76.9	35.5	104	40.0	1970	76.1	24.5	69	20.6	1945
20	66.9	29.9	76.8	35.4	104	40.0	1974	76.1	24.5	63	17.2	1947
21	66.1	30.1	76.1	35.6	107	41.7	1974	76.1	24.4	67	19.4	1977
22	66.5	30.3	76.9	36.1	107	41.7	1974	75.1	24.5	66	18.9	1977
23	66.1	30.1	76.6	35.9	108	42.2	1974	75.7	24.3	64	17.8	1977
24	70.1	31.6	77.3	36.3	108	42.2	1954	76.8	24.9	67	19.4	1947
25	66.9	30.5	77.3	36.3	111	43.9	1974	76.6	24.8	63	17.2	1972
26	66.4	30.2	76.4	35.9	106	41.1	1964	76.5	24.7	70	21.1	1972
27	66.6	30.3	77.0	36.1	103	39.4	1967	76.1	24.5	70	21.1	1971
28	70.1	30.6	77.6	36.4	103	39.4	1978	76.5	24.7	70	21.1	1971
29	67.2	30.7	78.1	36.7	108	40.6	1974	76.3	24.6	71	21.1	1971
30	66.4	30.2	76.4	35.9	108	42.2	1957	76.5	24.7	62	16.7	1971
31	66.9	30.5	77.0	36.1	107	41.7	1967	76.8	24.9	58	14.4	1971
Monthly	66.1	30.1	76.3	35.7	111	43.3	1978	76.0	24.4	58	14.4	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1961

DALLAS, TEXAS

1945-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	6.1	30.1	76.5	35.8	103	39.4	1981	75.7	24.3	64	17.8	1971
2	5.5	29.7	75.7	35.4	104	40.2	1977*	75.3	24.1	66	18.9	1973*
3	6.1	30.1	76.7	35.9	103	39.4	1967*	75.5	24.2	64	17.8	1973
4	6.5	30.3	79.7	35.9	105	40.6	1951	76.2	24.6	67	19.4	1974*
5	6.6	30.3	77.0	36.1	106	42.2	1964	76.2	24.6	63	17.2	1948
6	7.3	31.7	98.1	36.7	107	41.7	1956*	76.4	24.7	65	18.3	1975*
7	7.6	31.9	98.3	36.8	108	42.2	1953	76.7	24.9	66	18.9	1957
8	7.7	30.9	98.3	36.8	106	41.1	1977*	77.7	25.4	70	21.1	1971
9	7.9	30.7	98.4	36.8	107	41.7	1947	76.3	24.6	66	18.9	1953
10	6.9	30.5	97.8	36.6	108	42.2	1947	75.9	24.4	67	19.4	1959
11	6.4	30.2	96.8	36.0	109	42.8	1960	75.8	24.3	67	19.4	195
12	5.7	29.8	96.2	35.7	105	40.6	1948	75.2	24.0	63	17.2	1979
13	6.5	30.3	97.3	36.3	107	41.7	1969	75.8	24.3	66	18.9	1967
14	7.1	31.7	97.8	36.6	106	41.1	1956*	76.9	24.9	67	19.4	1955
15	6.6	30.3	96.6	35.9	106	41.1	1951	76.5	24.7	64	17.8	1955
16	6.2	30.0	97.3	36.3	107	41.7	1956*	76.3	24.6	68	20.0	1955
17	6.1	30.1	96.4	35.8	107	41.7	1951	75.8	24.3	68	20.0	1948
18	5.5	29.7	95.7	35.4	106	41.1	1951	75.3	24.1	69	20.6	1961
19	5.4	29.7	96.0	35.6	105	40.6	1949*	74.9	23.8	65	18.3	1951
20	5.3	29.6	95.8	35.4	105	40.6	1948	74.8	23.8	67	19.4	1941
21	4.8	29.3	95.9	35.5	106	41.1	1948	73.8	23.2	63	17.2	195
22	4.1	28.9	95.2	35.1	105	40.6	1980	73.1	22.8	63	17.2	1956*
23	4.4	29.1	95.3	35.2	107	41.7	1980	73.8	23.0	63	17.2	1949
24	4.7	28.9	94.7	34.8	104	40.0	1980**	73.3	22.7	62	16.7	1966
25	3.9	28.8	94.4	34.7	104	40.0	1952	73.5	23.1	64	17.8	1966*
26	4.1	28.9	94.2	34.6	102	38.9	1963*	74.1	23.3	62	16.7	1966
27	4.4	29.1	94.7	34.8	104	40.0	1963	74.1	23.0	66	18.9	1949
28	3.9	28.8	93.8	34.3	102	38.9	1951	74.1	23.0	67	19.4	1961
29	3.6	28.7	93.4	34.1	105	40.6	1967	73.8	23.2	64	17.8	1969
30	3.7	28.7	94.2	34.6	108	42.2	1967	73.2	22.9	65	18.3	1946
31	3.2	28.4	93.1	33.9	104	40.0	1951	73.8	23.0	63	17.2	1951
Monthly	5.6	29.8	96.1	35.6	109	42.8	1964	75.1	23.9	62	16.7	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4 NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1901

DALLAS, T.

1945-1982

PT MRS

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	72.7	22.6	72.5	33.6	104	40.0	1951	72.7	22.6	63	17.2	1974
2	72.7	22.6	72.5	33.6	105	40.6	1951	72.7	22.6	67	15.6	1974
3	72.7	22.6	73.2	34.2	104	40.0	1951	72.3	22.4	57	13.9	1974
4	72.4	22.5	72.9	33.3	102	38.9	1978	72.0	22.2	51	10.6	1974
5	71.5	21.9	71.7	33.2	101	39.3	1947	71.4	21.9	53	11.7	1974
6	71.9	21.9	72.1	33.4	102	39.9	1963*	71.5	21.9	51	10.6	1974
7	71.7	21.6	71.8	33.2	103	39.4	1963	71.6	22.1	56	13.3	1974
8	71.0	21.2	71.0	32.8	99	37.2	1972	70.9	21.6	60	15.6	1974
9	70.2	21.1	70.4	32.4	102	38.9	1954	70.0	21.1	57	13.9	1956
10	70.4	21.1	70.4	31.7	99	37.2	1980	69.7	21.0	57	13.9	1968
11	70.8	21.6	70.6	32.1	100	37.8	1963	69.1	21.6	52	11.1	1969
12	70.0	21.2	70.7	32.1	100	37.8	1965	68.8	20.4	55	12.8	1959
13	70.0	21.1	70.5	31.4	102	37.9	1965	67.4	19.7	57	13.9	1974
14	70.7	21.5	70.9	31.6	103	39.4	1965	68.4	20.2	51	10.6	1945
15	70.1	21.6	70.4	31.3	101	38.3	1981	67.9	19.9	51	10.6	1945
16	70.3	21.7	70.3	31.3	102	38.9	1987	68.3	20.2	57	13.9	1974
17	70.6	21.3	70.8	31.3	98	36.7	1982	67.5	19.7	53	11.7	1981
18	70.3	21.7	70.2	31.2	99	37.2	1987*	68.4	20.2	47	9.4	1941
19	70.3	21.1	69.1	31.7	103	39.4	1956	68.8	20.4	47	8.3	1981
20	70.1	21.2	69.1	31.7	102	38.9	1953	69.2	20.7	47	6.3	1971
21	70.5	21.3	67.2	30.7	99	37.2	1956	67.8	19.9	56	13.3	1982
22	70.7	21.4	65.5	29.7	99	37.2	1980	66.3	19.1	51	10.6	1982
23	70.4	21.1	65.7	29.8	97	36.1	1948	65.1	18.4	49	9.4	1975
24	70.1	21.5	64.8	29.3	98	36.7	1977	65.4	18.6	51	10.6	1975*
25	70.2	21.2	65.1	29.5	99	37.2	1977	65.3	18.5	49	9.4	1975
26	70.2	21.3	65.4	29.7	100	37.8	1977	64.3	17.9	51	10.6	1975
27	70.5	21.6	65.2	29.6	104	40.0	1977	63.8	17.7	49	9.4	1948
28	70.8	21.2	64.8	29.3	104	40.0	1953	62.8	17.1	46	7.8	1967
29	70.7	21.3	65.4	29.7	101	38.3	1953	62.6	17.2	45	7.2	1974
30	70.2	21.1	65.0	29.4	98	36.7	1977*	61.3	16.3	45	7.2	1972
31												
Monthly	70.4	21.1	68.7	31.5	101	40.6	1951	68.1	20.1	45	7.2	1974*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1951

FALLS, T.

1945-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	73.7	22.5	74.9	29.4	111	38.3	1979	61.7	16.1	46	7.8	1972
2	73.8	23.2	75.6	29.8	96	35.6	1982	57.0	16.7	47	8.3	1975
3	73.3	22.9	73.7	28.7	98	36.7	1951	62.9	17.2	47	8.3	1961
4	73.1	22.8	73.0	28.3	96	35.6	1982*	63.3	17.4	45	7.2	1975
5	72.4	22.4	72.3	27.7	95	36.7	1963	62.6	17.0	47	8.3	1975
6	71.8	22.1	72.5	28.1	96	35.6	1956	61.1	16.2	47	8.3	1964
7	70.4	21.4	71.4	27.4	96	35.6	1979*	57.7	15.4	44	6.7	1952
8	70.3	21.1	71.6	27.6	97	36.1	1963	58.5	14.7	36	2.2	1952
9	70.1	21.2	72.1	27.8	95	35.7	1963	58.1	14.5	41	5.0	1952
10	70.4	21.3	71.4	27.4	94	34.4	1975*	59.4	15.2	43	6.1	1952
11	71.9	22.1	72.8	28.2	97	36.1	1979	67.0	16.1	45	8.9	1952
12	71.2	21.9	72.9	28.3	95	35.7	1979*	67.1	17.6	38	3.3	1977
13	71.2	21.8	72.3	27.7	95	35.7	1954	67.1	17.6	42	5.6	1969
14	70.7	20.9	71.0	27.2	92	33.3	1972	58.5	14.7	34	3.3	1967
15	69.9	20.5	70.8	26.7	91	32.8	1962*	59.1	15.1	46	7.8	1974
16	67.6	19.8	70.7	26.1	93	37.7	1972	56.2	13.8	37	2.8	1952
17	67.6	19.8	70.7	25.9	96	35.6	1972	56.4	13.6	40	4.4	1967
18	67.2	19.6	70.9	26.1	93	33.9	1972	55.7	13.2	32	.0	1945
19	66.0	18.9	77.8	25.4	91	32.8	1978*	54.2	12.3	41	5.0	1976
20	67.7	19.3	70.8	26.0	92	33.3	1978*	54.6	12.6	36	2.2	1976*
21	67.7	19.4	70.4	25.8	91	32.7	1979	55.7	13.2	41	5.0	1976
22	67.7	19.3	70.4	25.2	87	30.4	1951	55.0	13.3	41	4.4	1952
23	67.4	19.6	75.9	24.4	87	30.4	1955	54.8	12.7	35	3.3	1952
24	63.2	17.3	74.3	23.3	89	31.7	1947	52.5	11.4	40	4.4	1952
25	62.2	17.1	74.1	23.4	97	32.7	1950	51.5	10.8	37	2.8	1955
26	63.4	17.4	74.2	23.8	97	32.2	1977*	51.8	11.0	37	2.8	1957
27	62.3	16.9	73.6	23.1	87	30.4	1963*	51.5	10.8	31	-0.6	1957
28	62.4	16.9	72.7	22.6	89	31.7	1957	52.2	11.2	34	1.1	1957
29	63.5	17.5	73.9	23.3	97	32.2	1977	53.2	11.8	36	2.2	1957
30	65.2	18.4	76.1	24.5	91	32.0	1951	54.3	12.4	31	-0.6	1957
31	64.1	17.8	74.3	23.5	92	32.7	1977	54.2	12.2	35	3.0	1976
Monthly	66.7	20.1	72.3	26.2	101	32.3	1979	57.3	14.0	31	-0.6	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1971 TALLAS, TX 1945-1982 N F BE

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	55.1	12.8	73.5	23.1	87	30.6	1955	52.7	11.5	34	-7.2	1965
2	55.1	12.8	70.6	21.4	87	30.6	1978*	49.6	9.8	7	-1.1	1966
3	57.7	13.9	67.3	19.6	89	31.7	1948	46.9	8.2	20	-2.2	1951
4	58.5	14.5	69.1	20.6	90	32.2	1948	47.2	8.4	31	-0.6	1967
5	58.7	14.5	69.6	20.9	85	29.4	1963	47.6	8.9	32	..	1970
6	58.7	14.5	69.5	20.9	85	29.4	1980	47.9	8.8	23	-2.2	1959
7	58.5	14.5	69.6	20.9	87	30.6	1980*	47.6	8.7	31	-0.6	1959
8	58.1	14.5	68.9	20.5	86	30.7	1980	47.3	9.5	31	-0.6	1968
9	57.1	13.9	68.3	20.2	9	32.7	1980	45.9	7.7	30	-1.1	1955
10	57.9	13.9	67.2	20.1	85	29.4	1978	45.9	7.7	25	-3.9	1957
11	58.6	14.5	70.4	21.3	82	27.8	1975*	46.9	8.3	17	-7.8	1957
12	58.8	14.9	70.0	21.1	85	29.4	1951	47.6	8.7	27	-2.8	1965
13	58.8	14.9	69.7	20.9	87	30.6	1951	48.7	8.9	30	-1.1	1982*
14	58.4	14.7	67.9	19.9	85	29.4	1955	48.8	9.3	27	-2.8	1969
15	58.7	14.6	68.7	20.4	85	29.4	1965*	47.9	8.8	25	-3.9	1969
16	57.3	14.1	68.7	20.4	83	28.3	1952	46.4	8.1	27	-2.8	1970
17	55.1	12.8	64.9	19.3	83	28.3	1952	45.3	7.4	20	-6.7	1959
18	54.8	12.7	64.6	18.1	85	29.4	1973	45.1	7.3	22	-5.6	1951
19	55.5	13.1	66.1	18.9	87	30.6	1950	44.9	7.2	25	-3.9	1971
20	54.7	12.6	65.9	18.8	85	29.4	1977	43.5	6.4	25	-3.9	1972
21	54.7	12.3	65.1	19.4	85	29.4	1967	43.3	6.3	30	-1.1	1969
22	46.7	12.3	64.3	17.9	85	29.4	1953	44.1	6.7	23	-2.2	1976
23	46.7	12.3	64.8	18.2	85	29.4	1967	43.6	6.4	23	-5.7	1975
24	52.0	11.6	62.4	16.9	89	31.1	1965	43.4	6.3	22	-5.6	1977
25	58.3	13.5	68.2	20.1	86	30.0	1965	44.4	6.9	25	-3.9	1957
26	54.7	12.6	65.8	18.8	85	29.4	1965	43.5	6.4	27	-2.8	1974
27	51.7	10.6	61.8	16.6	81	27.7	1964	40.7	4.6	27	-2.8	1975
28	58.1	9.4	58.7	14.8	83	28.3	1949	39.4	4.1	23	-5.0	1953
29	45.4	9.1	48.0	15.6	81	27.7	1949	36.9	2.7	15	-5.9	1976
30	50.4	10.2	41.6	16.4	82	27.8	1957	39.2	4.0	21	-6.1	1979
31												
Monthly	58.0	13.4	66.8	19.3	90	32.0	1950*	45.4	7.4	16	-8.9	1978

*ALSO IN EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

ASHEVILLE, N.C.

1945-1982

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	35.6	12.0	64.6	18.1	87	27.8	1977	42.6	5.7	26	-3.3	1972
2	35.1	11.7	64.4	18.0	87	26.7	1978	41.9	5.5	27	-2.0	1976
3	35.0	11.6	64.6	18.1	85	29.4	1977	41.0	4.6	26	-3.3	1967
4	35.0	11.6	63.8	17.7	85	29.4	1977	42.0	5.6	26	-0.3	1945
5	35.4	11.9	64.3	17.9	87	26.7	1956	42.6	5.8	18	-7.8	1955
6	35.7	10.3	60.4	15.9	84	28.9	1966	41.2	4.9	13	-10.6	1957
7	35.3	9.6	59.5	15.3	80	26.7	1966	39.1	3.9	12	-11.1	1955
8	35.1	9.5	57.2	15.1	82	27.8	1977	38.9	3.8	24	-4.4	1972
9	46.0	8.2	55.5	13.1	77	25.0	1970	35.1	3.4	20	-6.7	1974
10	46.0	9.3	55.6	13.1	76	24.4	1975	35.2	3.4	20	-6.7	1976
11	47.7	8.7	57.9	14.4	77	26.1	1949	37.5	3.1	22	-5.6	1957
12	47.5	9.1	57.2	13.9	87	31.6	1973	36.1	2.3	19	-7.2	1962
13	47.5	7.5	55.3	12.9	8	26.7	1949	35.7	2.1	19	-7.2	1971
14	47.3	9.5	56.9	13.9	77	25.0	1975	37.6	3.1	16	-8.9	1959
15	47.1	8.3	57.6	14.2	75	24.4	1948	36.3	2.4	14	-7.2	1951
16	47.6	8.7	57.4	14.7	84	28.9	1977	36.7	2.6	15	-9.4	1972
17	47.0	4.9	54.8	14.9	75	23.9	1946	37.1	2.6	13	-7.8	1979
18	47.7	9.3	57.3	15.2	81	27.2	1977	38.1	3.4	16	-5.9	1964
19	47.4	3.1	57.0	15.0	75	27.9	1971	37.7	3.2	17	-8.3	1945
20	47.3	3.1	59.1	15.1	77	25.0	1978	37.6	3.1	20	-5.6	1973
21	47.0	3.8	59.9	15.5	8	26.7	1981	35.9	2.2	18	-7.8	1951
22	47.0	9.3	60.2	15.7	8	26.7	1971	37.2	2.9	17	-8.7	1963
23	47.9	9.4	59.0	15.0	79	26.1	1974	38.9	3.4	11	-11.7	1943
24	47.4	3.6	58.6	14.8	77	25.0	1977	36.2	2.3	18	-7.8	1951
25	46.0	8.3	57.2	14.6	73	22.7	1971	35.6	2.0	20	-4.4	1961
26	46.4	8.3	57.9	14.4	74	23.3	1971	35.9	2.2	22	-5.6	1971
27	47.4	9.2	59.1	15.1	80	26.7	1946	38.1	3.4	24	-4.4	1964
28	46.0	8.3	56.8	13.6	79	26.1	1973	37.5	3.1	25	-3.9	1965
29	46.0	8.3	56.4	13.6	75	25.6	1964	37.3	3.1	15	-7.8	1946
30	45.1	7.8	55.8	13.7	84	24.9	1951	36.9	2.7	14	-7.8	1946
31	44.5	6.9	53.6	12.7	87	26.7	1971	35.4	1.9	13	-10.6	1976
Monthly	47.5	9.2	58.9	14.9	87	31.6	1973	38.1	3.4	11	-11.7	1943

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MONTHLY TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____

ALL DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1941	77	73	85	94	93	98	106	103	99	84	77	78	
1942	75	80	87	93	93	93	104	102	102	84	79	77	
1943	71	77	86	95	95	104	101	100	100	80	71	77	
1944	8	22	19	2	14	10	102	100	99	84	68	70	
1945	71	79	87	90	87	97	102	100	105	88	87	84	
1946	84	72	88	84	88	100	103	100	102	85	80	77	
1947	89	81	8	87	85	100	104	100	104	87	85	70	
1948	73	87	84	80	84	100	111	100	102	85	78	70	111
1949	73	7	85	87	84	91	102	104	107	83	87		
1950	72	80	84	89	86	102	100	100	102	86	81	81	
1951	8	6	87	81	80	88	100	100	100	81	70	77	
1952	84	87	88	89	85	101	87	100	85	89	70	70	
1953	86	87	85	84	81	102	104	100	89	80	82	70	
1954	83	70	84	87	83	85	87	101	89	86	80	78	101
1955	70	86	87	85	86	88	100	100	88	91	82	71	100
1956	77	84	80	100	87	101	100	100	100	85	86	80	
1957	86	87	73	88	83	87	106	100	100	80	81	70	
1958	75	70	70	87	83	80	102	104	100	84	80	70	
1959	70	71	82	87	84	80	102	101	86	80	80	80	
1960	84	80	83	84	100	100	107	100	85	80	80	70	
1961	85	80	82	85	84	80	89	100	8	83	82	77	
1962	83	80	81	87	80	100	106	100	89	87	84	76	
1963	83	78	83	87	80	80	100	100	86	89	80	80	
1964	81	70	81	87	80	80	100	85	87	80	80	70	
1965	81	85	81	83	83	100	89	100	8	80	79	70	
1966	84	70	81	87	86	84	89	89	81	8	80	87	80
1967	82	80	100	81	86	84	100	100	82	85		70	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

24 H R TEMPERATURE
FROM DAILY OBSERVATIONS

STATION ASHEVILLE, N.C. STATION NAME 41-1 YEARS

WIND SPEED IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	71	77	83	89	95	101	107	113	119	124	129	134	110
2	70	75	81	87	93	99	105	111	117	122	127	132	109
3	72	78	84	90	96	102	108	114	120	125	130	135	111
4	73	79	85	91	97	103	109	115	121	126	131	136	112
5	74	80	86	92	98	104	110	116	122	127	132	137	113
6	75	81	87	93	99	105	111	117	123	128	133	138	114
7	76	82	88	94	100	106	112	118	124	129	134	139	115
8	77	83	89	95	101	107	113	119	125	130	135	140	116
9	78	84	90	96	102	108	114	120	126	131	136	141	117
10	79	85	91	97	103	109	115	121	127	132	137	142	118
11	80	86	92	98	104	110	116	122	128	133	138	143	119
12	81	87	93	99	105	111	117	123	129	134	139	144	120
13	82	88	94	100	106	112	118	124	130	135	140	145	121
14	83	89	95	101	107	113	119	125	131	136	141	146	122
15	84	90	96	102	108	114	120	126	132	137	142	147	123
16	85	91	97	103	109	115	121	127	133	138	143	148	124
17	86	92	98	104	110	116	122	128	134	139	144	149	125
18	87	93	99	105	111	117	123	129	135	140	145	150	126
19	88	94	100	106	112	118	124	130	136	141	146	151	127
20	89	95	101	107	113	119	125	131	137	142	147	152	128
21	90	96	102	108	114	120	126	132	138	143	148	153	129
22	91	97	103	109	115	121	127	133	139	144	149	154	130
23	92	98	104	110	116	122	128	134	140	145	150	155	131
24	93	99	105	111	117	123	129	135	141	146	151	156	132
25	94	100	106	112	118	124	130	136	142	147	152	157	133
26	95	101	107	113	119	125	131	137	143	148	153	158	134
27	96	102	108	114	120	126	132	138	144	149	154	159	135
28	97	103	109	115	121	127	133	139	145	150	155	160	136
29	98	104	110	116	122	128	134	140	146	151	156	161	137
30	99	105	111	117	123	129	135	141	147	152	157	162	138
31	100	106	112	118	124	130	136	142	148	153	158	163	139
MEAN	77.0	79.8	84.4	89.1	94.5	99.6	105.2	110.6	116.2	121.9	127.6	133.4	110.0
S. D.	4.56	5.586	6.277	6.831	7.257	7.578	7.796	7.927	8.228	8.605	8.957	9.287	7.000
TOTAL OBS.	111	114	111	117	118	118	1147	1175	1160	1173	1116	1113	1114

SMOS

REF 2004-12-31

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-1970

IN DEGREES FAHRENHEIT
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1			84										84 1 DAY
2		75											75 1 DAY
3	78		79	88									88 1 DAY
4			31	27									31 1 DAY
5					77								77 1 DAY
6												77	77 1 DAY
7												77	77 1 DAY
8												77	77 1 DAY
9												77	77 1 DAY
10												77	77 1 DAY
11												77	77 1 DAY
12												77	77 1 DAY
13												77	77 1 DAY
14												77	77 1 DAY
15												77	77 1 DAY
16												77	77 1 DAY
17												77	77 1 DAY
18												77	77 1 DAY
19												77	77 1 DAY
20												77	77 1 DAY
21												77	77 1 DAY
22												77	77 1 DAY
23												77	77 1 DAY
24												77	77 1 DAY
25												77	77 1 DAY
26												77	77 1 DAY
27												77	77 1 DAY
28												77	77 1 DAY
29												77	77 1 DAY
30												77	77 1 DAY
31												77	77 1 DAY
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 4

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	25	23	20	36	46	49	46	61	51	37	27	17	
2	7	21	22	37	46	54	63	60	51	39	32	25	7
3	14	21	22	37	47	50	58	53	49	32	25	24	
4	19	21	22	35	50	66	70	73	48	40	33	26	
5	14	21	28	39	53	62	69	71	52	42	22	18	1
6	26	21	32	35	46	62	73	72	59	36	20	25	25
7	0	25	25	34	45	63	65	64	56	40	32	18	17
8	15	21	24	36	49	54	75	68	52	39	31	20	17
9	20	19	22	40	57	56	69	64	61	37	23	23	
10	17	25	31	33	53	62	74	62	57	45	26	26	17
11	17	21	27	32	46	65	76	60	55	31	33	22	19
12	22	21	32	40	52	59	68	64	57	45	28	16	16
13	22	17	34	36	57	64	70	67	55	38	20	26	17
14	22	17	27	42	44	66	70	60	58	41	20	22	17
15	12	20	29	40	51	61	68	62	55	43	26	19	17
16	7	21	19	34	42	65	71	65	59	41	27	15	7
17	6	21	31	47	49	68	72	67	52	48	21	11	
18	10	25	30	37	51	54	69	72	56	39	20	16	17
19	12	17	22	41	51	63	69	66	54	44	26	22	17
20	11	21	21	36	48	64	73	62	50	36	21	18	1
21	11	22	24	37	45	66	73	66	46	40	31	24	1
22	11	24	25	36	49	62	64	64	51	39	27	15	17
23	15	27	32	41	45	56	72	71	56	38	25	20	19
24	15	21	29	37	46	54	64	66	53	37	22	22	15
25	15	20	19	31	44	65	75	64	47	47	35	25	6
26	14	20	31	41	54	67	72	66	45	45	20	15	14
27	3	20	35	30	44	61	67	64	54	38	25	22	7
28	15	21	30	37	55	60	69	65	45	41	20	20	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION TALLAS, TX STATION NAME 41-00 YEARS

IN DEGREES FAHRENHEIT
NOTED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
40			28		49		10						IN TEMP DAYS
41		21	12	47									IN TEMP DAYS
42		21	30	33									IN TEMP DAYS
43	22			41									IN TEMP DAYS
44				27							21		IN TEMP DAYS
45					3						12		IN TEMP DAYS
46												24	IN TEMP DAYS
47												1-	IN TEMP DAYS
48													
49													
50													
51													
52													
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95													
96													
97													
98													
99													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

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NOV 2007 04:21

PSYCHROMETRIC SUMMARY

STATION 37971 DALLAS, TX STATION NAME 73-82 YEARS JAN
NORTH

PAGE 1
HOURS (L E 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					
80/ 79											.1						.0	.0					4	4		
78/ 77											.0	.0					.0	.0					5	5		
76/ 75							.0				.0	.1					.0	.0	.0				9	9		
74/ 73					.0	.0	.0				.0	.0					.0	.0	.0				5	5		
72/ 71				.1	.1	.2					.1	.1	.1				.0	.0					14	14		
70/ 69			.1	.2	.0	.0	.1	.1		.1	.2	.1	.0	.1									23	23		
68/ 67		.1	.3	.2	.3	.1	.3	.2	.2	.1	.2	.1	.0										42	42	4	
66/ 65		.1	.4	.2	.1	.1	.2	.2	.1	.1	.1	.1	.0										37	37	11	1
64/ 63		.2	.3	.2	.2	.2	.2	.2	.3	.3	.3	.2	.1	.0									54	54	17	10
62/ 61	.0	.4	.1	.3	.4	.3	.3	.3	.3	.2	.1	.0											63	63	32	16
60/ 59	.1	.4	.5	.2	.4	.2	.3	.2	.2	.2	.1	.0											64	64	34	22
58/ 57		.3	.7	.5	.4	.6	.3	.3	.2	.1													83	83	27	32
56/ 55		.5	.6	.5	.2	.6	.3	.4	.1														81	81	59	25
54/ 53	.0	.9	.6	.8	.4	.5	.4	.1	.1														97	97	73	24
52/ 51	.0	.4	.6	.5	.6	.6	.5	.2															87	87	95	45
50/ 49	.1	.7	.8	.6	.7	.7	.3	.2															98	98	70	56
48/ 47	.1	1.2	.8	1.2	.6	.9	.2																123	123	115	57
46/ 45	.4	1.4	.7	1.4	.6	.6	.2																135	135	125	79
44/ 43	.1	1.2	1.3	1.1	.8	.5	.2																130	130	136	85
42/ 41	.1	1.1	1.3	1.7	.8	.5	.1																141	141	134	80
40/ 39	.2	1.5	1.5	1.4	.8	.3	.0																141	141	144	81
38/ 37	1.1	2.1	1.6	1.9	.8	.1																	189	189	180	136
36/ 35	.2	1.5	1.2	1.0	.6	.1																	114	114	173	119
34/ 33	.4	2.3	1.7	.7	.4	.1																	139	139	174	144
32/ 31	.4	2.1	1.4	1.3	.2	.0																	134	134	190	146
30/ 29	.3	1.8	1.4	1.1	.2																		117	117	143	172
28/ 27	.5	1.2	1.1	.4	.1																		82	82	118	150
26/ 25	.1	1.2	1.2	.3																			70	70	106	144
24/ 23	.1	1.2	1.1	.2																			65	65	90	124
22/ 21	.1	.7	.6	.2																			38	38	68	124
20/ 19	.2	.7	.6	.1																			34	34	59	109
18/ 17	.2	.6	.2																				26	26	37	85
16/ 15	.1	.4	.1																				15	15	28	99
14/ 13	.1	.2	.2																				11	11	17	68
Element (X)	ΣX^2	ΣX	\bar{X}	σ_X	No. Obs.		Mean No. of Hours with Temperature																			
Ref. Num.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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PSYCHROMETRIC SUMMARY

STATION 51911 DALLAS, TX STATION NAME 73-82 YEARS JAN 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			.1	.1														5	5	11	7 ⁰
11/ 9	.0	.0	.1															4	4	4	4 ⁰
10/ 7																				4	3 ⁰
6/ 5	.0																	1	1	2	2 ⁰
4/ 3																					1 ⁰
2/ 1																					1 ⁰
1/- 1																					1 ⁵
- 2/- 3																					1 ²
- 4 /- 5																					7 ⁰
- 6 /- 7																					2 ⁰
- 8 /- 9																					4 ⁰
- 10 /- 11																					2 ⁰
TOTAL	5.0	26.6	22.9	18.2	9.9	7.4	4.0	2.6	1.6	1.1	.3	.3	.1				2480	2480	2480	2480 ⁰	
Element (X)	Σx ²		Σx		Σ	σ _x	No. Obs.		Mean No. of Hours with Temperature						Total						
Ref. Num.	11399852		160462		64.7	20.260	2480		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	744.0						
Dry Bulb	4874933		105011		42.3	13.146	2480			180.6	30.6	6.9	.9		744.0						
Wet Bulb	772570		92576		37.3	11.304	2480			263.1	1.2				744.0						
Dew Point	2651820		73930		29.8	13.442	2480		12.6	441.9					744.0						

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PSYCHROMETRIC SUMMARY

93971 DALLAS, TX 73-82 FCR SOUTH

PAGE 1
HOURS (L S Y)

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	1	
89/ 87																.0	1	1	
84/ 83													.1	.1	.0		6	6	
82/ 81										.0	.1	.0	.0	.0			6	6	
80/ 79								.0	.0	.0	.0	.0	.0	.0			9	9	
73/ 77							.1	.1	.2	.1	.2	.0	.1	.1			23	23	
76/ 75						.0	.1	.1	.2	.1	.2	.0	.0	.0			20	20	
74/ 73					.0	.1	.1	.2	.2	.2	.0	.2	.0	.0			34	34	
72/ 71					.4	.4	.2	.1	.1	.3	.1	.0	.0				40	40	
70/ 69			.0	.3	.2	.4	.3	.1	.2	.2	.3	.1	.0				48	48	
66/ 67			.2	.4	.3	.2	.3	.1	.3	.2	.1	.1					46	46	
66/ 65			.4	.4	.3	.3	.3	.2	.2	.1	.1						61	61	9
64/ 63		.1	.6	.6	.4	.4	.4	.6	.3	.2							80	80	38 1
62/ 61		.3	.8	.4	.3	.8	.8	.2	.2	.2							87	87	66 5
60/ 59		.4	.7	.2	.7	.4	.5	.4	.4								86	86	61 38
58/ 57	.0	.5	.6	.6	.5	.6	.6	.3	.1	.0							88	88	81 45
56/ 55		.4	1.0	.7	.8	.8	.7	.3	.1								109	109	73 60
54/ 53	.0	.8	.8	.6	.8	.4	.4	.1									90	90	97 54
52/ 51	.0	.7	1.1	.5	.7	.9	.4	.1									100	100	106 61
50/ 49	.0	.6	1.0	.6	1.2	.6	.3	.0									97	97	132 62
48/ 47	.5	.3	1.1	1.2	1.6	.7	.1										125	125	116 70
46/ 45	.8	1.0	1.0	1.2	.9	.5	.3										128	128	137 97
44/ 43	.3	.8	1.8	.9	.8	.3	.0										111	111	129 93
42/ 41	.6	1.0	1.1	2.2	.7	.1											129	129	159 92
40/ 39	.6	1.4	1.8	1.2	.4	.2											128	128	158 112
38/ 37	.2	1.6	1.5	.9	.5	.0											106	106	136 127
36/ 35	.3	1.7	2.2	.9	.2												121	121	155 138
34/ 33	.3	1.6	1.5	.8	.2												95	95	142 141
32/ 31	.2	1.4	1.2	.4													71	71	111 163
30/ 29	.1	1.3	1.0	.2													58	58	102 141
28/ 27	.0	1.2	.9	.2	.0												53	53	72 126
26/ 25		1.1	.6	.1													41	41	66 156
24/ 23		.5	.5														22	22	36 102
22/ 21		.6	.7	.0													16	16	32 91
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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PSYCHROMETRIC SUMMARY

STATION: DALLAS, TX STATION NAME: 73-82 YEARS: FEB MONTH: HOURS (L & T):

PAGE 2

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/ 19		.1	.1															5	5	22	79
18/ 17	.0	.1	.0															5	5	6	56
16/ 15		.2	.0															6	6	6	48
14/ 13		.0	.1															3	3	3	32
12/ 11		.0																1	1	3	23
11/ 9																				2	20
3/ 7																					7
6/ 5																					6
4/ 3																					1
2/ 1																					2
2/- 3																					4
TOTAL	4.1	10.9	24.0	15.2	11.9	8.4	6.1	3.1	2.7	1.6	1.1	1.1	.5	.4	.0	.0		2256	2256	2256	2256
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	9876139	142307	63.1	19.972	2256	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb	5035460	108440	48.1	13.696	2256		83.7	69.7	29.0	5.9		672.7									
Wet Bulb	4231928	94572	41.9	10.890	2256		137.3					672.0									
Dew Point	2099588	77596	34.4	12.108	2256	1.2	314.9					672.0									

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PSYCHROMETRIC SUMMARY

97911 DALLAS, TX 73-92 MAR NORTH

PAGE 1
HOURS (LST)

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
96/95														.0				1	1		
94/93														.0				1	1		
92/91														.0				1	1		
90/89														.0				1	1		
88/87														.0	.0			2	2		
86/85											.0	.0		.0	.0			3	3		
84/83											.0	.1	.0	.0	.1			10	10		
82/81							.0	.3	.2	.2	.1	.0	.1	.2	.0	.0		29	29		
80/79						.2	.4	.4	.1	.0	.2	.2	.1	.1				46	46		
78/77					.3	.2	.4	.2	.1	.2	.3	.3	.1	.0				48	48		
76/75				.0	.6	.5	.2	.3	.3	.2	.2	.2	.2					76	76		
74/73		.0	.0	.5	.2	.5	.2	.3	.3	.3	.2	.2	.1					72	72	1	
72/71		.0	.4	1.0	.6	.5	.3	.3	.2	.3	.2	.1						97	97	9	1
72/69		.1	1.0	.9	.5	.6	.4	.4	.3	.1	.3	.2						120	120	30	
68/67		.3	1.0	.9	.5	.5	.6	.4	.7	.6	.2							141	141	76	7
66/65	.1	.4	1.4	.8	.4	.3	.6	.4	.6	.2	.2	.0						136	136	106	46
64/63	.1	.9	1.2	.9	.6	.7	.8	.9	.4	.2								165	165	104	86
62/61	.0	.9	1.0	.6	.6	.7	1.1	.6	.4	.2								157	157	125	93
60/59	.1	.9	.8	.7	.9	1.0	.5	.4	.4	.0								141	141	144	127
58/57	.2	.5	1.1	1.0	.6	1.5	1.0	.4	.1	.0								161	161	148	119
56/55	.4	.8	.9	1.4	1.1	.9	.5	.4	.1									160	160	145	99
54/53	.1	.7	1.2	1.4	1.5	.8	.4	.1										155	155	159	92
52/51	.2	.5	1.4	1.3	.9	1.0	.3	.0										139	139	183	93
50/49	.8	1.5	1.0	1.0	1.0	.7	.0											127	127	211	65
48/47	.2	.6	.9	.7	.9	.3	.1											91	91	216	121
46/45	.2	.9	1.2	1.0	.3	.3	.0											97	97	178	123
44/43	.2	.4	.9	.7	.4	.0												64	64	163	149
42/41	.0	.5	.9	.8	.2	.0												59	59	118	146
40/39	.1	.3	.7	.9	.1	.1												53	53	97	169
38/37	.2	.4	.7	.3	.0	.0												42	42	77	154
36/35	.1	.3	.4	.2	.0													27	27	64	141
34/33		.3	.4		.1													20	20	43	120
32/31	.0	.2	.1	.2														14	14	29	107
30/29	.1	.1		.2														10	10	20	107
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Ref. Num.						≤ 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

93901 DALLAS, TX 73-82 MAD MONTH PAGE 2 HOURS (L.S.T.)

Table with columns: Temp (F), WET BULB TEMPERATURE DEPRESSION (F) (0-31), TOTAL D.B./W.B., and TOTAL Dry Bulb, Wet Bulb, Dew Point. Rows include temperature ranges like 26/27, 26/25, etc., and a TOTAL row at the bottom.

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Summary table with columns: Element (X), Σx², Σx, x̄, σx, No. Obs., and Mean No. of Hours with Temperature (≤0 F, ≤32 F, ≤67 F, ≤73 F, ≤80 F, ≤93 F, Total). Rows include Ref. Hum., Dry Bulb, Wet Bulb, and Dew Point.

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PSYCHROMETRIC SUMMARY

93901 DALLAS, TX 73-82 AP 7

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
92/ 91									.0	.1							3	3		
90/ 89									.0	.0							3	3		
88/ 87								.1	.0	.1					.0		8	8		
86/ 85							.3	.2	.2	.0		.0	.1	.0	.0		21	21		
84/ 83						.2	.4	.3	.3	.2		.1	.0	.0			40	40		
82/ 81					.0	.3	.5	.2	.3	.3	.1	.2	.1	.0	.1		50	50		
80/ 79				.3	.7	.4	.7	.9	.2	.5	.4	.2	.1	.0	.0		89	89		
78/ 77			.3	.7	1.0	.6	.7	.5	.5	.5	.3	.1					125	125		
76/ 75		.1	.6	1.5	1.1	.9	.4	.6	.2	.3	.2	.0					140	140	1	
74/ 73		.7	1.8	1.0	.3	.9	.5	.3	.3	.5	.1	.1					164	164	71	
72/ 71	.1	1.5	2.5	.9	.9	.7	.3	.4	.4	.1	.2						192	192	56	
70/ 69	.1	1.7	2.1	1.4	.5	.7	.5	.5	.5	.1							197	197	108 23	
68/ 67	.2	2.5	1.1	1.2	.7	1.1	.7	.7	.2								202	202	184 76	
66/ 65	.0	.4	1.7	1.2	1.0	.3	.6	.4	.2								169	169	203 117	
64/ 63	.0	1.1	1.2	1.4	.8	.9	.4	.5	.2	.0							161	161	216 164	
62/ 61	.9	.9	1.2	.9	1.0	.5	.2	.1									140	140	206 182	
60/ 59	.0	.9	1.0	1.1	.9	1.0	.5	.4									137	137	189 165	
58/ 57	.0	.7	1.2	.8	.9	.7	.3	.1	.1								113	113	140 150	
56/ 55	.1	.7	1.1	1.2	1.2	.4	.3	.0									120	120	183 154	
54/ 53	.1	.2	1.0	.8	.3	.4	.1	.0									74	74	196 151	
52/ 51	.1	.5	1.0	.8	.7	.1	.2										81	81	146 127	
50/ 49	.0	.5	.8	.5	.5	.2	.1										60	60	147 126	
48/ 47		.3	.5	.3	.2	.0											32	32	121 148	
46/ 45		.1	.3	.2	.3	.1											24	24	80 122	
44/ 43		.3	.2	.2	.2												23	23	53 106	
42/ 41		.1	.2	.1	.1												13	13	41 112	
40/ 39	.1	.1	.1	.1													9	9	27 107	
38/ 37		.0	.1														3	3	20 98	
36/ 35		.1	.1														4	4	10 70	
34/ 33		.1															2	2	7 52	
32/ 31																			2 35	
30/ 29		.0															1	1	2 30	
28/ 27																			1 21	
26/ 25																			1 17	
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

9271 DALLAS, TX STATION NAME 73-02 YEARS MAY MONTH

PAGE 1
HOURS (L E Y)

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
93 / 97																		1	1	
96 / 95																		2	2	
94 / 93																		8	8	
97 / 91																		25	25	
97 / 89																		51	51	
98 / 87																		83	83	
97 / 85																		92	92	
94 / 82																		123	123	
92 / 81																		174	174	1
92 / 79																		176	176	1
79 / 77																		212	212	24
76 / 75																		216	216	93
74 / 73																		227	227	215
72 / 71																		201	201	301
72 / 69																		173	173	293
67 / 67																		200	200	265
66 / 65																		137	137	267
64 / 63																		108	108	233
62 / 61																		77	77	217
61 / 59																		57	57	142
61 / 57																		47	47	107
60 / 55																		21	21	103
62 / 53																		26	26	69
62 / 51																		28	28	43
61 / 49																		6	6	47
61 / 47																		4	4	24
60 / 45																		3	3	6
60 / 43																		1	1	4
62 / 41																				1
61 / 39																				
61 / 37																				
61 / 35																				
64 / 33																				
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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PSYCHROMETRIC SUMMARY

STATION 97911 DALLAS, TX STATION NAME 73-02 YEARS JUN 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		
110/109																.0	.1	3	3				
108/107																	.2	1	1				
106/105																.1	.0	3	3				
104/103															.1	.1	5	5					
102/101													.0	.1	.1			5	5				
100/99												.0	.2	.3	.1	.1		20	20				
98/97												.1	.4	.5		.0		25	25				
96/95										.1	.4	.0	.5	.2				48	48				
94/93									.1	.4	1.4	1.3	.3	.0	.1			89	89				
92/91							.2	.5	2.4	2.0	.3	.2						141	141				
90/89							.3	2.0	2.2	.7	.5	.2						152	152				
88/87						.4	1.8	2.2	1.1	.6	.5	.2						156	166				
86/85					.1	2.1	2.9	1.7	1.1	.5	.2	.1						200	200				
84/83				.1	1.5	2.6	2.1	.2	.5	.3	.2	.1						198	198				
82/81			.1	.7	2.5	2.5	1.7	.4	.5	.1	.2							199	199	1			
80/79			.2	2.3	3.1	2.3	.6	.5	.2	.2								222	229	25			
78/77		.0	1.2	3.2	2.8	1.0	.7	.4	.0	.0								228	228	131	1		
76/75	.0	.3	2.2	3.2	2.1	.7	.3	.2	.0	.0								218	218	394	20		
74/73		.3	1.9	2.6	.7	.5	.3	.1										155	155	491	95		
72/71		.1	1.6	1.5	.5	.4	.0	.0										101	101	424	247		
70/69	.1	.6	1.9	.7	.4	.2	.0	.0										95	95	336	485		
68/67	.1	.3	1.7	.2	.5	.2	.0	.0										56	56	227	486		
66/65	.1	.3	.5	.4	.1													34	34	158	344		
64/63	.0	.1	.2	.2	.2													17	17	104	236		
62/61	.0	.0	.1	.1														7	7	54	153		
60/59			.1	.1														4	4	33	113		
58/57			.0															1	1	13	68		
56/55																				5	64		
54/53																				4	35		
52/51																					24		
50/49																					19		
48/47																					8		
46/45																					2		
Element (X)	ΣX^2		ΣX		\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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PSYCHROMETRIC SUMMARY

STATION 93271 DALLAS, TX STATION NAME 73-82 YEARS Jul MONTH Jul

PAGE 1
HOURS (LST)

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
110/104																.0	1	1		
103/107																.1	4	4		
106/105															.2	.2	13	13		
104/103														.6	.4	.2	31	31		
102/101											.2	.3	.8	.3	.2	.0	44	44		
100/99										.1	.3	2.1	.7	.2	.0	.0	85	85		
98/97									.0	.5	1.5	1.3	.4	.2	.0	.0	99	99		
96/95								.0	.9	1.9	1.5	.6	.1				123	123		
94/93							.7	1.0	2.2	2.4	.6		.1				161	161		
92/91						.1	.7	2.2	3.2	.7	.2	.0					182	182		
90/89						.0	.5	2.0	3.1	1.0	.3	.1	.0				178	178		
88/87						.4	1.6	3.0	1.6	.6	.1						187	187		
86/85			.0		.0	1.2	3.5	2.2	.6	.2	.0						208	208		
84/83		.1		.1	1.7	2.8	2.3	1.4	.2	.0							211	211		
82/81			.7	.5	2.2	2.4	1.9	.6	.1		.0						192	192	3	
80/79			.5	1.4	3.2	2.4	1.0	.1									225	225	27	
78/77		.2	1.5	2.9	2.7	1.5	.1	.0									223	223	210	
76/75		.5	2.3	2.6	1.5	.4	.1										183	183	580	
74/73	.2	.8	1.6	1.0	.2	.1											96	96	670	
72/71		.4	.5	.1	.0												26	26	553	
70/69			.2														6	6	293	
68/67			.0														1	1	112	
66/65																			23	
64/63																			5	
62/61																				
60/59																			134	
58/57																			56	
56/55																			27	
54/53																			13	
52/51																			1	
50/49																			1	
48/47																			1	
46/45																			1	
44/43																			1	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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PSYCHROMETRIC SUMMARY

STATION 97901 DALLAS, TX STATION NAME 73-82 YEARS JUL MONTH
PAGE 7
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		
TOTAL	.3	2.0	6.9	9.0	11.6	11.6	11.2	10.4	8.9	8.3	6.1	4.4	4.4	2.6	1.3	.7	.4		2479	2479	2479		
Element (X)	ΣX^2		ΣX		\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	8532858		139522		56.3	16.569	2479	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	15439827		212895		85.9	7.947	2479			748.0	734.1	554.0	168.4	748.0									
Wet Bulb	13265922		181216		73.1	2.765	2479			734.7	447.2	2.1		748.0									
Dew Point	11212094		166456		67.1	3.766	2479			451.4	73.8	.6		748.0									

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PSYCHROMETRIC SUMMARY

STATION DALLAS, TX STATION NAME 73-32 YEARS SEP 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
102/101														.0		.0		2	2		
100/99											.0	.1	.0	.0	.2			10	10		
98/97										.0	.0	.2	.2	.3	.2	.1		26	26		
96/95										.0	.1	.4	.7	.3	.1	.1		44	44		
94/93										.2	.5	1.2	.4	.3	.1	.0		65	65		
92/91										.7	1.2	.8	.3	.1				88	88		
90/89							.4	.5	1.0	1.0	.5	.3	.0	.0				90	90		
88/87							.9	1.1	1.2	.5	.7	.2	.1					114	114		
86/85					.2	.0	1.2	1.3	1.2	.6	.4	.2	.0					146	146		
84/83					1.0	1.6	1.3	1.0	.7	.4	.1	.1	.1					153	153		
82/81			.0	.3	1.1	2.2	1.4	.9	.8	.2	.2	.2	.0					176	176	2	
80/79		.0	.3	1.2	1.5	1.5	1.1	.9	.2	.2	.1	.3						177	177	9	
78/77		.1	1.2	2.1	2.2	1.4	.9	.5	.3	.2	.3							222	222	53	
76/75		.2	1.5	1.8	1.9	1.4	.7	.2	.1	.5	.1							202	202	174 7	
74/73	.1	.7	2.0	2.2	1.2	1.2	.7	.4	.3	.2								214	214	323 67	
72/71	.3	.9	1.5	1.2	.9	.6	.4	.4	.2	.1								154	154	390 149	
70/69	.4	1.0	.9	1.0	.7	.4	.4	.4	.2									129	129	332 297	
68/67	.2	.2	1.0	.5	.6	.5	.5	.1										88	88	266 303	
66/65	.3	.2	.6	.7	.3	.5	.2											66	66	201 279	
64/63	.1	.4	.6	.8	.3	.5	.1											65	65	148 222	
62/61	.0	.5	.3	.5	.2	.1												41	41	96 201	
60/59	.1	1.0	.3	.2	.4	.2												50	50	115 172	
58/57	.3	.3	.3	.1	.1	.0												31	31	121 171	
56/55	.0	.2	.1	.2	.2													19	19	64 134	
54/53	.1	.1	.1	.1														10	10	50 79	
52/51	.1	.2	.2	.1														12	12	20 79	
50/49		.0	.1	.0														4	4	16 47	
48/47	.0	.0																2	2	13 57	
46/45																				3 42	
44/43																				1 41	
42/41																					31
40/39																					17
38/37																					6
Element (X)	Σx ²		Σx		x̄		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

9791 DALLAS, TX STATION NAME 73-82 YEARS OCT NORTH

PAGE 1
 HOURS (LST)

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	1	1			
98/97																				.0	2	2			
96/95																				.0	1	1			
94/93														.0	.0					.0	7	7			
92/91													.2	.1	.1	.1	.0			.0	16	16			
90/89												.0	.0	.1	.2	.1	.1	.1	.1	.1	18	18			
88/87							.0	.7	.2	.2	.2	.2	.2	.1	.0	.0				.0	38	38			
86/85						.3	.2	.5	.4	.4	.1	.2	.1	.2	.1					.1	64	64			
84/83				.1	.2	.3	.7	.7	.4	.3	.2	.2	.1	.2						.0	71	71			
82/81				.1	.2	.3	.7	.7	.4	.3	.2	.2	.1	.2						.0	91	91			
80/79			.1	.4	.5	.7	.5	.6	.4	.3	.2	.3	.1	.0							105	105			
78/77			1.0	.6	.9	.8	.9	.5	.4	.5	.1	.4	.2	.0						.0	157	157			
76/75		.1	.9	.6	.9	.6	.8	.5	.4	.4	.7	.2	.0								144	144	28		
74/73		.3	.6	1.1	.8	1.0	.4	.4	.5	.4	.3	.1	.0								157	157	74	21	
72/71		.2	.4	2.1	.8	.7	.4	.4	.7	.3	.2	.0									170	170	125	56	
70/69	.1	.4	1.4	.8	1.2	.8	.5	.6	.8	.4	.2										131	181	134	68	
68/67	.4	.5	1.2	.6	1.4	.5	.8	.3	.5	.2											158	158	174	53	
66/65	.5	1.2	.7	.9	.6	.7	.7	.6	.3	.1											165	165	222	122	
64/63	.5	.9	.7	1.3	.7	1.1	.6	.5	.3	.0											171	171	195	189	
62/61	.2	.3	.7	.9	1.3	.8	.6	.2	.2												124	124	172	147	
60/59	.1	.3	.7	1.1	.8	1.0	.5	.4													120	120	165	144	
58/57	.2	.4	1.0	1.0	.6	.8	.3														108	108	178	149	
56/55	.7	.3	.7	.8	.7	.7	.3														94	94	194	127	
54/53	.2	.6	.7	.6	.5	.4															74	74	190	136	
52/51		.5	.7	.7	.4	.2															64	64	138	116	
50/49		.2	.7	.4	.4	.1															54	54	138	131	
48/47	.1	.1	.3	.6	.5																40	40	72	144	
46/45		.5	.5	.5	.2																42	42	81	127	
44/43	.7	.2	.4	.2																	21	21	69	126	
42/41	.7	.1	.2	.1																	11	11	48	116	
40/39	.7	.0	.2																		6	6	32	124	
38/37			.1																		3	3	15	99	
36/35																							5	73	
34/33		.0																			1	1	1	64	
Element (X)	ΣX^2	ΣX		\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

STATION 47901 DALLAS, TX STATION NAME 73-92 YEARS MONTH DEC

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		.0																1	1	1	67
30/ 29																				1	33
28/ 27																					17
26/ 25																					7
TOTAL	0.7	7.1	14.8	15.5	14.0	11.7	9.1	7.5	6.2	4.3	2.7	1.9	1.3	.8	.4	.0	.0	2480	2480	2480	7487
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	10040255	149931	60.5	19.842	2480	≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total									
Dry Bulb	11680613	167993	67.7	11.017	2480		.3	414.3	261.6	105.9	3.3	748.0									
Wet Bulb	5759509	105715	58.8	8.935	2480		.6	162.9	33.0			748.0									
Dew Point	6983655	128575	51.8	11.320	2480		35.7	68.4	15.3			748.0									

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PSYCHROMETRIC SUMMARY

STATION 57911 DALLAS, TX STATION NAME 73-80 YEARS NOV MONTH

PAGE 1
HOURS 144

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																					
90 / 89																																		1	1							
86 / 85																																			5	5						
84 / 83																																			13	13						
82 / 81																																			14	14						
80 / 79																																			30	30						
78 / 77																																			35	35						
76 / 75																																			55	55						
74 / 73																																			65	65		1				
72 / 71																																			75	95	24	7				
70 / 69																																			99	99	35	24				
68 / 67																																			116	116	58	19				
66 / 65																																			102	102	83	42				
64 / 63																																			132	132	105	57				
62 / 61																																			138	138	116	77				
60 / 59																																			143	143	125	96				
58 / 57																																			139	139	130	98				
56 / 55																																			152	152	126	94				
54 / 53																																			138	138	164	112				
52 / 51																																			141	141	164	114				
50 / 49																																			147	147	155	111				
48 / 47																																			126	126	171	137				
46 / 45																																			113	113	150	124				
44 / 43																																			102	102	140	127				
42 / 41																																			74	74	175	141				
40 / 39																																			58	58	108	113				
38 / 37																																			56	56	90	125				
36 / 35																																			35	35	91	107				
34 / 33																																			27	27	55	107				
32 / 31																																			20	20	54	101				
30 / 29																																			9	9	37	100				
28 / 27																																			10	10	13	87				
26 / 25																																			4	4	7	62				
24 / 23																																			4	4	12	66				
22 / 21																																			6	6	31					
Element (X)	ΣX ²		ΣX		X̄	σ _x	No. Obs.		Mean No. of Hours with Temperature																																	
Rel. Hum.																																										
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

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NOV 2 1973 54321

PSYCHROMETRIC SUMMARY

STATION DALLAS, TX STATION NAME 73-22 YEARS NOV
NORTH

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															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					
157 15																																						1	1	2	20
157 17																																						1	1	2	21
157 15																																						1	1	2	27
147 13																																									21
157 11																																									11
157 9																																									11
157 7																																									6
157 5																																									3
157 3																																									2
TOTAL	1.3	1.1	3.2	2.9	17.9	13.3	10.1	7.1	5.1	3.4	2.0	.9	.5	.2																							2400	2400	2400	2400	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1759165	153539	64.0	19.758	2400		14.7	158.4	65.4	13.8		720.0
Wet Bulb	6196069	119293	49.7	10.560	2400		39.9	36.6	1.5			720.0
Dew Point	4831218	102882	42.9	13.246	2400		162.9	15.3	1.2			720.0

NAWWEASERVCOM

4

PSYCHROMETRIC SUMMARY

STATION: DALLAS, TX STATION NAME: YEARS: MONTH: DEC

PAGE: 2 HOURS: 15.1

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															
77 / 16			.2															4	4	15	89															
78 / 17			.2																	7	57															
79 / 15			.1															2	2	1	41															
80 / 13			.2															1	1		30															
81 / 11																				3	30															
82 / 9																					27															
83 / 7																					26															
84 / 5																					22															
85 / 3																					4															
86 / 1																					1															
87 / -1																					2															
88 / -3																					6															
89 / -5																					7															
90 / -7																					1															
TOTAL	2.6	14.1	24.5	20.2	13.8	10.0	5.9	3.6	2.3	1.4	.7	.4	.2	.1	.1			2478	2478	2478	2478															
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	12147725	150868	60.9	19.711	2478	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total																								
Dry Bulb	5121904	119682	48.3	11.742	2478		60.9	49.2	15.3	2.1		744.0																								
Wet Bulb	4628336	104102	42.0	10.145	2478		123.4	4.2				744.0																								
Dew Point	3246661	83811	33.8	12.896	2478	3.0	361.2	.3				744.0																								

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4

PSYCHROMETRIC SUMMARY

STATION: DALLAS, TX STATION NAME: 73-30 YEARS: ALL MONTHS

PAGE 1
HOURS: 115

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																		
110/100																																			4	4			
109/107																																			5	5			
108/105																																			16	16			
107/103																																			40	40			
102/101																																			73	73			
102/99																																			150	150			
97/97																																			249	249			
97/95																																			389	389			
97/97																																			465	465			
97/91																																			626	626			
97/89																																			669	669			
97/87																																			772	772			
97/85																																			976	976			
97/83																																			1041	1041			
97/81																																			1143	1143			
97/79																																			1328	1328			
97/77																																			1498	1498	558		
97/75																																			1468	1468	1762	65	
97/72																																			1327	1327	2433	407	
97/71																																			1170	1170	2435	1147	
97/69																																			1137	1137	1913	2087	
97/67																																			1097	1097	1573	2327	
97/65																																			995	995	1356	2100	
97/63																																			1033	1033	1224	1924	
97/61																																			931	931	1164	1457	
97/59																																			902	902	1073	1325	
97/57																																			867	867	1065	1167	
97/55																																			882	882	1024	977	
97/53																																			777	777	1081	844	
97/51																																			794	794	997	814	
97/49																																			734	734	1031	777	
97/47																																			711	711	1003	975	
97/45																																			709	709	930	884	
97/43																																			643	643	874	854	
Element (X)	ΣX^2			ΣX			\bar{X}	σ_x			No. Obs.			Mean No. of Hours with Temperature																									
Rel. Hum.																																							Total
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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PSYCHROMETRIC SUMMARY

STATION 3391 DALLAS, TX STATION NAME 73-#2 YEAR ALL MONTH

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	
42/41	.1	.4	.5	.6	.7	.1	.0											575	575	872	85F	
43/39	.1	.4	.6	.5	.2	.1	.0											548	548	799	87F	
38/37	.1	.5	.5	.4	.2	.0	.0											511	511	694	90F	
36/35	.1	.4	.5	.3	.1	.0												418	418	693	80F	
34/33	.1	.5	.4	.2	.1	.0												361	361	569	80F	
32/31	.1	.4	.3	.2	.0	.0												295	295	496	79F	
30/29	.0	.4	.3	.2	.0													254	254	389	76F	
28/27	.1	.2	.2	.1	.0													183	183	292	63F	
26/25	.0	.2	.2	.1														138	138	236	59F	
24/23	.0	.2	.2	.0														115	115	187	44F	
22/21	.0	.1	.1	.0														63	63	128	37F	
20/19	.0	.1	.1	.0														44	44	104	32F	
18/17	.0	.1	.0															33	33	53	23F	
16/15	.0	.1	.0															24	24	38	22F	
14/13	.0	.0	.0															15	15	20	16F	
12/11	.0	.0	.0															6	6	17	14F	
10/9	.0	.0	.0															4	4	6	11F	
8/7																				4	7F	
6/5																		1	1	2	5F	
4/3																					2F	
2/1																					6	
0/-1																					1F	
-2/-3																					2F	
-4/-5																					10	
-6/-7																					3	
-8/-9																					4	
-10/-11																					2	
TOTAL	2.0	9.7	16.5	16.0	13.1	11.1	8.7	6.5	5.4	4.0	2.9	1.9	1.2	.6	.3	.1	.1	29212	29212	29212		
Element (X)	Σx^2		Σx		\bar{x}	σ_x	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	127656791		1796559		61.5	18.656	29212		≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total							
Dry Bulb	136387166		1925626		65.9	17.949	29212			351.9	693.8	672.9	175.6	418.3	8760.0							
Wet Bulb	102485382		1675308		57.3	14.809	29212			590.7	227.5	1451.0	8.1		8760.0							
Dew Point	83504143		1484107		50.8	16.656	29212		16.4	1512.5	810.2	273.7	.6		8760.0							

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 03901 DALLAS, TX

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 S. D. TOTAL OBS	39.8 11.348 310	45.0 11.673 282	55.2 9.832 310	62.2 7.845 300	69.6 6.766 310	77.2 5.140 300	81.7 4.145 309	87.7 4.032 310	73.9 7.331 300	63.7 9.134 310	53.4 10.330 300	45.5 10.182 310	62.4 16.372 3651
01	MEAN S. D. TOTAL OBS	38.0 11.423 310	42.7 11.563 282	52.6 10.118 310	59.7 8.270 300	67.1 6.906 310	74.4 4.812 300	78.7 3.401 310	77.8 3.598 310	71.3 7.328 300	61.4 9.367 310	51.2 10.623 300	43.2 10.321 310	59.9 16.182 3652
02	MEAN S. D. TOTAL OBS	36.5 11.727 310	41.0 11.397 282	51.0 10.528 310	58.0 8.872 300	65.8 7.147 310	73.0 4.625 300	76.8 2.648 310	75.6 3.323 310	69.5 7.170 300	59.5 9.568 310	49.7 10.806 300	41.0 10.698 310	58.3 16.160 3652
03	MEAN S. D. TOTAL OBS	39.6 11.528 310	44.3 11.503 282	55.4 10.036 310	64.4 7.937 300	72.9 6.393 309	80.7 5.034 300	85.4 4.288 310	87.4 4.080 310	76.3 7.239 300	66.2 8.545 310	53.9 10.165 300	44.7 10.006 310	64.0 17.771 3651
10	MEAN S. D. TOTAL OBS	46.5 13.299 310	52.8 14.732 282	63.1 11.106 310	71.1 8.766 300	78.7 7.308 310	87.0 5.844 300	92.6 5.457 310	90.9 5.207 310	83.7 8.450 300	74.6 9.679 310	62.1 11.482 300	53.6 11.188 310	71.5 17.925 3652
11	MEAN S. D. TOTAL OBS	50.4 14.532 310	56.8 14.916 282	66.8 11.410 310	73.9 8.670 300	81.4 7.655 310	89.9 6.425 300	94.7 6.514 310	93.7 5.345 310	86.3 8.784 300	77.4 9.938 310	65.1 12.006 300	57.5 11.920 310	74.6 17.802 3652
12	MEAN S. D. TOTAL OBS	46.5 12.717 310	53.6 13.457 282	64.5 10.509 310	71.8 7.913 300	79.2 6.982 310	87.8 6.006 300	91.9 6.739 310	90.7 5.585 310	82.6 8.360 300	72.4 8.976 310	59.8 10.401 300	52.1 9.941 309	71.2 17.722 3651
21	MEAN S. D. TOTAL OBS	42.8 11.598 310	48.3 11.793 282	58.7 9.531 310	65.8 7.475 300	72.9 6.588 310	81.0 5.281 300	85.2 5.005 310	84.2 4.280 310	76.7 7.470 300	66.7 8.559 310	55.6 10.199 300	48.0 9.951 309	65.6 16.585 3651
ALL HOURS	MEAN S. D. TOTAL OBS	42.3 13.146 2480	48.1 13.697 2256	58.4 11.737 2480	65.9 9.893 2400	73.5 8.851 2479	81.4 8.030 2400	85.9 7.948 2479	84.6 7.618 2480	77.5 9.627 2400	67.7 11.018 2480	56.4 11.896 2400	48.3 11.742 2478	65.9 17.950 29212

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION DALLAS, TX

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	36.7	47.3	49.3	55.9	64.0	69.5	71.9	71.0	66.2	57.1	49.4	40.6	55.9
	S. D.	17.779	10.435	9.625	8.034	6.413	4.094	2.147	2.776	6.278	8.809	10.346	9.907	14.676
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
07	MEAN	34.7	39.1	47.9	54.6	62.5	68.6	70.9	70.1	65.3	55.9	47.1	39.2	54.7
	S. D.	11.037	10.764	10.074	8.449	6.723	4.411	2.142	2.965	6.582	9.333	10.673	10.261	14.977
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	33.5	37.8	47.0	53.7	62.0	68.4	70.5	69.6	64.6	55.0	46.1	38.3	53.9
	S. D.	11.329	10.770	10.542	8.948	7.003	4.257	2.151	3.035	6.889	9.675	11.001	10.554	15.332
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
21	MEAN	35.4	40.1	49.7	57.2	65.7	71.4	73.9	73.0	68.0	58.8	49.0	40.4	57.7
	S. D.	11.212	10.666	9.662	7.995	6.218	3.890	2.040	2.572	6.126	8.535	10.274	9.891	15.453
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
28	MEAN	39.9	44.6	53.0	60.0	67.7	73.1	75.2	74.4	70.1	61.7	52.6	45.0	59.8
	S. D.	11.179	10.833	9.108	7.757	6.209	3.839	2.117	2.564	6.083	8.226	10.151	9.647	14.405
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
35	MEAN	41.7	46.4	54.4	61.1	68.4	73.6	75.1	74.3	70.1	62.3	53.6	46.6	60.7
	S. D.	11.170	10.483	8.781	7.449	6.082	3.769	2.158	2.524	5.640	7.792	9.999	9.316	13.760
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
42	MEAN	39.7	44.7	53.4	60.2	67.6	72.8	74.4	73.4	68.8	60.6	51.3	44.1	59.3
	S. D.	10.670	10.119	8.719	7.322	5.930	3.700	2.265	2.632	5.682	7.985	9.822	9.096	14.064
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
49	MEAN	37.7	42.4	51.2	57.9	65.5	71.0	72.9	72.1	67.1	58.5	49.5	42.0	57.4
	S. D.	10.616	10.040	8.950	7.604	6.165	3.778	2.260	2.621	5.921	8.179	10.016	9.429	14.313
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	37.3	41.9	50.7	57.6	65.4	71.1	73.1	72.2	67.5	58.8	49.7	42.0	57.3
	S. D.	11.305	10.891	9.770	8.354	6.736	4.404	2.766	3.224	6.456	8.935	10.561	10.146	14.809
	TOTAL OBS	2450	2256	2487	2400	2479	2400	2479	2480	2400	2480	2400	2478	29212

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

774 1 DALLAS, TX

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 S. D. TOTAL OBS	29.7 13.237 310	34.3 11.860 282	43.2 12.248 310	50.6 10.331 300	60.4 7.350 310	65.5 4.860 300	67.2 3.392 309	66.1 4.149 310	61.7 7.598 300	51.7 10.881 310	47.0 12.930 300	33.4 12.765 310	50.7 16.427 3651
01	MEAN S. D. TOTAL OBS	29.1 13.346 310	34.0 12.318 282	42.8 12.375 310	50.2 10.360 300	59.6 7.557 310	65.6 5.048 300	67.0 3.220 310	66.1 4.174 310	61.7 7.646 300	51.5 11.210 310	42.5 13.009 300	33.2 12.988 310	50.3 16.649 3652
02	MEAN S. D. TOTAL OBS	29.4 13.575 310	33.1 12.272 282	42.6 12.565 310	49.9 10.543 300	59.6 7.733 310	66.0 4.726 300	67.3 3.191 310	66.5 4.002 310	61.6 7.839 300	51.1 11.335 310	42.0 13.116 300	32.9 12.929 310	50.2 16.966 3652
03	MEAN S. D. TOTAL OBS	29.9 13.675 310	34.4 12.491 282	43.4 11.917 310	51.3 10.862 300	61.3 7.853 309	66.3 4.875 300	69.7 3.286 310	68.1 3.626 310	63.4 7.478 300	53.1 11.022 310	43.8 12.827 300	34.4 12.618 310	51.7 16.893 3651
10	MEAN S. D. TOTAL OBS	30.6 13.566 310	35.2 12.376 282	43.4 12.339 310	51.4 11.319 300	61.3 8.316 310	66.5 5.271 300	67.5 3.871 310	66.9 4.287 310	62.8 8.254 300	52.2 11.947 310	43.3 13.746 300	34.6 13.106 310	51.4 16.776 3652
11	MEAN S. D. TOTAL OBS	30.3 13.585 310	34.9 11.956 282	42.8 12.492 310	51.6 11.432 300	61.2 8.372 310	65.9 5.476 300	66.1 4.576 310	65.3 4.687 310	61.5 8.103 300	51.3 11.917 310	42.6 14.020 300	33.4 13.112 310	50.7 16.638 3652
12	MEAN S. D. TOTAL OBS	30.0 13.546 310	34.4 11.951 282	42.6 13.061 310	51.1 11.575 300	61.8 8.339 310	65.5 5.532 300	66.2 4.159 310	65.1 4.771 310	61.0 8.035 300	51.6 11.575 310	42.7 13.514 300	33.4 13.158 309	50.5 16.604 3651
21	MEAN S. D. TOTAL OBS	30.4 13.078 310	35.1 11.639 282	43.6 12.101 310	51.5 10.684 300	61.0 7.520 310	66.0 4.753 300	67.1 3.633 310	66.2 4.081 310	61.6 7.461 300	52.2 10.616 310	43.2 12.824 300	34.1 12.544 309	51.1 16.248 3651
ALL HOURS	MEAN S. D. TOTAL OBS	29.8 13.442 2430	34.4 12.109 2256	43.1 12.382 2480	50.9 10.899 2400	60.7 7.905 2479	66.0 5.088 2400	67.1 3.767 2479	66.3 4.322 2480	61.9 7.830 2400	51.8 11.321 2480	42.9 13.246 2400	33.4 12.897 2478	50.4 16.657 29212

NAVWEASERVCOM

4 NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

93901 DALLAS, TX

73-72

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	100.0	98.1	89.7	63.2	27.1	1.9	73.3	310
	01	100.0	100.0	100.0	100.0	99.2	95.2	81.7	40.3	2.6	77.5	310
	02	100.0	100.0	100.0	100.0	99.7	97.1	88.7	59.4	9.7	81.0	310
	03	100.0	100.0	99.7	98.4	90.6	75.4	43.0	12.9	1.9	67.9	309
	04	100.0	99.7	97.4	88.7	70.0	35.2	15.8	5.2	.6	56.8	310
	05	100.0	99.7	94.5	81.0	48.1	25.8	11.6	4.5	1.0	52.1	310
	06	100.0	99.7	95.5	85.5	63.5	32.9	14.5	5.5	1.9	55.3	310
	07	100.0	100.0	100.0	98.7	92.9	73.9	37.4	14.5	1.3	67.3	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
TOTALS		100.0	99.9	98.4	84.0	52.7	65.7	44.8	21.2	2.6	66.8	2479

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1961 DALLAS, TX

73-12

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	96.7	76.0	40.7	12.7	1.7	68.0	300
	07	100.0	100.0	100.0	100.0	100.0	93.0	69.0	25.7	1.7	74.5	300
	06	100.0	100.0	100.0	100.0	100.0	99.3	88.0	44.3	5.0	79.1	300
	09	100.0	100.0	100.0	99.0	88.3	65.0	23.0	7.0	.7	63.6	300
	12	100.0	100.0	99.0	83.7	52.0	20.0	6.7	2.0	.3	51.6	300
	15	100.0	99.7	95.0	67.7	31.0	11.3	4.3	2.3	.3	46.7	300
	18	100.0	99.7	95.7	75.7	38.3	16.0	7.7	1.3	.3	49.2	300
	21	100.0	100.0	100.0	98.3	82.0	49.3	20.7	6.7	.3	61.3	300
TOTALS		100.0	99.9	98.7	90.6	73.5	53.7	32.5	12.8	1.3	61.8	2400

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1971 DALLAS, TX 13-27 416
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	00	100.0	100.0	100.0	76.6	83.7	55.5	23.2	6.1	1.3	62.1	310
	01	100.0	100.0	100.0	59.4	93.5	75.6	47.4	11.6	.3	66.2	310
	06	100.0	100.0	100.0	100.0	57.4	89.4	69.0	24.5	1.6	73.9	310
	07	100.0	100.0	100.0	76.8	86.0	51.3	15.2	4.5	1.9	60.9	310
	10	100.0	100.0	94.3	67.4	29.0	10.3	4.8	2.3	.6	46.7	310
	15	100.0	79.4	84.8	43.5	12.2	6.8	2.6	1.0	.6	40.7	310
	18	100.0	99.7	91.7	56.8	23.2	12.6	4.5	1.3	.3	44.4	310
	21	100.0	100.0	79.4	92.3	68.4	31.9	9.4	2.6	.7	55.8	310
TOTALS		100.0	79.9	96.3	81.6	61.7	41.7	22.7	6.7	.9	56.6	2490

OCEANAV-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION DALLAS, TX

73-92

ALL

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	99.3	94.6	85.4	73.7	58.6	42.5	27.8	9.4	64.7	2490
FEB		100.0	98.1	93.1	85.2	73.2	56.1	40.7	22.2	6.5	63.1	2256
MAR		100.0	97.7	90.9	81.5	67.9	52.3	35.9	19.6	5.8	60.8	2490
APR		100.0	98.8	94.0	84.8	71.9	55.3	37.9	17.0	2.6	61.8	2400
MAY		100.0	99.9	98.4	94.0	82.7	65.7	44.4	21.2	3.6	66.4	2479
JUN		100.0	97.9	98.7	90.6	73.4	53.7	32.5	12.9	1.3	61.8	2400
JUL		100.0	99.8	95.0	81.2	60.2	39.8	22.0	8.9	1.3	56.3	2479
AUG		100.0	99.9	96.3	81.6	61.9	41.7	22.0	6.7	.9	56.6	2450
SEP		100.0	100.0	96.5	86.1	70.2	51.4	33.1	17.4	5.6	61.6	2470
OCT		100.0	98.4	92.8	81.8	67.1	50.5	33.9	17.7	5.7	60.5	2480
NOV		100.0	99.3	94.7	84.8	73.7	58.3	42.5	21.8	7.5	64.0	2400
DEC		100.0	98.2	92.0	83.4	68.1	51.9	35.7	17.8	5.0	60.9	2478
TOTALS		100.0	99.1	94.8	85.0	70.7	52.9	35.3	17.6	4.5	61.5	29212

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

TALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

NO. OF DAYS

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					77.8	22.2				7	.4
72 TO 76	5.0				60.0	15.0	10.0	5.0	5.0	27	.8
67 TO 71		1.4	4.1	5.5	57.5	16.4	6.8	2.7	5.5	73	2.9
62 TO 66	7.4	3.3	1.6	6.6	41.8	15.6	8.2	5.7	9.8	122	4.9
57 TO 61	8.4	3.9	1.1	9.5	41.3	17.3	6.1	3.4	8.9	179	7.2
52 TO 56	13.2	5.9	3.7	7.3	35.2	11.0	3.7	8.7	11.4	219	8.8
47 TO 51	20.6	6.4	1.9	8.6	25.8	8.6	5.6	12.0	10.5	267	10.8
42 TO 46	23.0	6.2	3.8	8.6	22.1	6.8	4.4	9.7	15.3	339	13.7
37 TO 41	20.7	6.5	10.1	7.3	14.6	8.1	5.3	11.6	15.9	397	16.0
32 TO 36	27.0	16.8	7.5	5.7	7.8	6.3	.9	11.4	16.5	333	13.4
27 TO 31	39.5	10.3	9.1	4.7	6.7	5.1	1.2	11.9	11.5	253	10.2
22 TO 26	54.2	3.9	2.0		10.5	3.9	1.3	15.7	8.5	153	6.2
17 TO 21	57.5	8.8	1.3	1.3	5.0	2.5	2.5	12.5	8.8	80	3.2
12 TO 16	27.6	3.4		3.4		17.2		41.4	6.9	29	1.2
7 TO 11	56.7							16.7	16.7	6	.2
2 TO 6					100.0					1	.0
-3 TO 1											
-8 TO -4											
-13 TO 0											
-18 TO -14											
-21 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-46 TO -44											
-49 TO -47											
-56 TO -54											
TOTALS	24.2	7.5	5.0	6.4	21.3	8.7	3.9	10.5	12.4	2480	100.0

NAVWEASERVCOM

FORM 4532 5-82

FORM 4532 5-6321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION
57911

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

NO. OF OBS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						100.0				7	.1
82 TO 86					14.3	14.3	71.4			7	.3
77 TO 81			5.4	2.7	45.9	29.7	8.1	2.7	5.4	37	1.6
72 TO 76	1.4		1.4	4.2	55.6	19.4	6.9	5.6	5.6	72	3.2
67 TO 71	1.7		.9	4.3	63.8	15.5	7.8	4.3	1.7	116	5.1
62 TO 66	7.3	2.4	3.9	7.3	53.6	11.2	6.1	5.7	2.8	179	7.9
57 TO 61	10.8	5.4	1.3	8.1	45.3	9.4	6.3	5.4	8.1	223	9.9
52 TO 56	14.3	2.5	5.3	8.2	34.4	11.5	6.1	10.2	7.4	244	10.8
47 TO 51	16.6	4.0	7.6	10.5	21.3	10.1	6.5	14.1	9.4	277	12.3
42 TO 46	22.7	6.5	6.9	12.0	15.8	7.2	3.1	17.5	8.2	291	12.9
37 TO 41	23.8	9.6	4.2	7.7	17.4	7.1	2.9	15.4	11.9	311	13.8
32 TO 36	31.5	10.6	5.1	7.9	10.6	8.3	3.1	12.2	11.7	254	11.3
27 TO 31	42.4	5.6	7.6	4.2	3.5	12.5	1.4	13.2	9.7	144	6.4
22 TO 26	46.7	10.7	1.3	5.3	1.3	2.7	1.3	17.3	13.3	75	3.3
17 TO 21	71.4					7.1		7.1	14.3	14	.6
12 TO 16	40.4							33.3	22.2	9	.4
7 TO 11									100.0	1	.0
2 TO 6											
1 TO 5											
0 TO 4											
12 TO 16											
18 TO 24											
23 TO 29											
28 TO 34											
33 TO 39											
38 TO 44											
43 TO 49											
48 TO 54											
53 TO 59											
TOTALS	27.0	5.6	4.7	7.8	26.8	10.1	4.8	11.6	8.6	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

4721
STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MARCH

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					0	.1
87 TO 91					75.0		25.0			4	.2
82 TO 86	8.0			4.0	60.0	12.0	12.0	4.0		25	1.3
77 TO 81	3.6	.9	2.7	4.5	56.8	15.3	11.7	2.7	1.8	111	4.5
72 TO 76	5.6	.5	2.6	8.2	57.1	12.8	7.7	4.1	1.5	196	7.9
67 TO 71	5.2	1.0	4.2	13.9	53.5	10.0	5.5	5.2	1.6	317	12.5
62 TO 66	7.6	4.2	7.9	14.7	43.7	8.1	4.2	5.0	4.7	382	15.4
57 TO 61	15.9	5.8	7.9	14.6	29.4	8.7	5.3	6.3	6.1	378	15.2
52 TO 56	18.8	6.7	7.7	14.4	21.4	9.3	4.9	15.1	6.7	388	15.6
47 TO 51	22.9	8.1	10.6	10.6	11.6	8.5	3.9	13.4	10.6	284	11.5
42 TO 46	31.3	13.5	13.5	1.6	5.2	7.3	4.2	9.9	13.5	192	7.7
37 TO 41	32.5	9.1	7.3	2.4	8.1	8.9	1.6	14.6	16.3	123	5.0
32 TO 36	46.3	1.9			7.4	7.4	1.9	16.7	18.5	54	2.2
27 TO 31	57.1	9.5			9.5		4.8	9.5	9.5	21	.8
22 TO 26	100.0									8	.3
17 TO 21	100.0									2	.1
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 1											
8 TO 8											
13 TO 13											
18 TO 18											
23 TO 23											
28 TO 28											
33 TO 33											
38 TO 38											
43 TO 43											
48 TO 48											
53 TO 53											
58 TO 58											
63 TO 63											
TOTALS	16.4	5.3	7.1	10.8	31.5	9.2	5.1	7.9	6.7	2480	100.0

NAVWEASERVCOM

FORM 4132-5-321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MONTH

APRIL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	0.0
87 TO 91	7.7		7.7	7.7	46.2	15.4		15.4		13	0.5
82 TO 86	2.4	1.2	3.6	8.3	65.5	7.1	7.1	4.8		84	3.5
77 TO 81	3.3	1.7	.8	14.1	57.3	8.7	5.0	5.0	4.1	241	10.0
72 TO 76	7.0	2.5	2.3	18.5	53.9	7.8	2.3	3.3	2.5	399	16.6
67 TO 71	7.5	3.4	7.3	15.7	46.6	5.8	2.6	6.3	4.8	496	20.7
62 TO 66	16.5	7.6	9.4	18.3	27.2	6.6	.8	6.6	6.9	393	16.4
57 TO 61	18.3	10.7	7.6	12.2	19.6	8.3	2.4	8.0	12.8	327	13.6
52 TO 56	19.5	8.2	13.0	8.2	11.3	8.2	3.5	11.3	16.9	231	9.6
47 TO 51	19.1	2.9	10.3	5.9	5.1	14.0	8.1	20.6	14.0	136	5.7
42 TO 46	23.6	10.9		9.1	7.3	9.1	7.3	23.6	9.1	55	2.3
37 TO 41	17.6					17.6	5.9	47.1	11.8	17	.7
32 TO 36	16.7				16.7		33.3	33.3		6	.3
27 TO 31								100.0		1	.0
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	12.0	5.3	6.5	14.1	35.6	7.8	3.2	8.3	7.4	240	100.0

NAVWEASERVCOM

FORM 4432-51027

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				100.0							1
92 TO 96	4.0		4.0	14.3	71.4	4.8				21	0.9
87 TO 91	1.4	1.4	3.4	17.6	64.9	6.8	2.0	2.0	0.7	148	6.0
82 TO 86	3.9	3.3	4.9	16.3	56.2	4.9	3.6	2.3	4.6	306	12.3
77 TO 81	6.0	4.2	5.9	21.4	48.0	3.8	1.9	2.5	4.5	471	19.0
72 TO 76	7.7	4.2	7.7	16.6	47.9	5.9	2.2	2.6	5.2	543	21.9
67 TO 71	11.0	8.2	8.2	14.8	28.7	7.6	2.1	6.3	12.2	474	19.0
62 TO 66	16.5	6.3	8.8	12.3	16.5	8.1	3.2	11.2	17.2	285	11.4
57 TO 61	28.4	7.8	7.1	5.7	8.5	7.1	1.4	17.7	16.3	141	5.6
52 TO 56	31.7	8.3	3.3		3.3	10.0	17.0	20.0	13.3	67	2.4
47 TO 51	8.0	4.0			8.0	12.0	16.0	28.0	24.0	25	1.0
42 TO 46	23.0								73.0	4	0.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-1 TO 1											
-8 TO -4											
13 TO -9											
-16 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											
-57 A. LWR											
TOTALS	10.2	5.2	6.7	15.5	39.2	6.2	2.7	5.7	8.5	2479	100.0

NAVWEASERVCOM

FORM 4132 5-6321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

179 1
STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

JUNE

MONTH

PERIOD

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					50.0	50.0				4	.2
102 TO 106					58.3	16.7	16.7		8.3	17	.5
97 TO 101	4.3		2.2	15.2	58.7	8.7	8.7		2.2	46	1.9
92 TO 96	1.0	1.0	.5	7.6	77.6	8.1	2.9	1.0	.5	210	6.8
87 TO 91	2.8	2.1	6.5	11.1	66.1	6.7	1.0	1.0	2.6	386	16.1
82 TO 86	4.5	5.1	7.3	15.5	54.6	9.0	.4	1.4	2.2	491	20.5
77 TO 81	6.0	4.3	7.8	14.0	52.0	8.7	.7	1.4	5.0	563	23.5
72 TO 76	7.8	8.5	10.6	17.5	32.8	9.4	1.4	2.8	9.2	424	17.7
67 TO 71	17.9	7.0	12.4	11.4	17.4	8.5	3.0	6.0	16.4	201	8.4
62 TO 66	22.2	7.4	1.9	9.3	7.4	13.0	5.6	5.6	27.8	54	2.3
57 TO 61	55.6					22.2			22.2	9	.4
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO 9											
-18 TO -14											
-21 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	6.5	4.7	7.4	13.9	49.7	8.8	1.5	2.0	5.9	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

7971
STATION

DALLAS, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEAR

JULY
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			40.0		20.0		20.0		20.0	5	.2
102 TO 106			11.3	17.7	54.8	6.5	3.2		6.5	62	2.5
97 TO 101	2.4	3.8	7.1	23.3	50.5	5.7	1.0	1.0	5.2	210	8.5
92 TO 96	2.1	3.4	7.3	17.1	53.3	8.7	2.6	1.8	3.7	381	15.4
87 TO 91	3.1	3.6	7.3	21.1	42.7	11.1	4.4	2.4	4.2	457	18.2
82 TO 86	2.3	2.3	6.8	16.0	50.6	14.8	1.0	.6	5.6	514	20.7
77 TO 81	3.1	3.1	7.0	9.7	43.1	19.3	.9	1.7	12.1	545	22.0
72 TO 76	4.3	4.7	6.7	13.4	25.1	22.7	1.7	2.3	19.1	299	12.1
67 TO 71	7.7	7.7	7.7			53.8			23.1	13	.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-6 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 R LWP											
TOTALS	2.8	3.3	7.2	15.9	44.6	14.3	2.0	1.6	8.2	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

2791
STATION

DALLAS, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
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	7.7		15.4	30.8	38.5				7.7	13	.5
97 TO 101			7.7	19.6	58.7	6.3	4.2		3.5	143	5.8
92 TO 96	1.5	3.3	7.6	21.8	54.4	6.1	.5	.5	4.3	395	15.9
87 TO 91	6.1	4.7	10.7	25.0	36.4	8.9	1.4	1.2	5.6	428	17.3
82 TO 86	3.8	3.8	9.4	20.5	43.1	11.2	1.3	1.3	5.8	555	22.4
77 TO 81	5.4	4.3	7.4	14.7	41.3	13.6	1.8	.9	10.5	557	22.3
72 TO 76	6.9	4.5	9.6	13.1	26.9	14.6	1.2	1.5	21.8	335	13.5
67 TO 71	11.1	11.1	14.8	7.4	3.7	9.3	1.9	7.4	33.3	54	2.2
62 TO 66	40.0		20.0						40.0	5	.2
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 A. LWR											
TOTALS	4.6	4.0	9.0	18.9	41.1	10.6	1.5	1.1	9.3	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION NAME
DALLAS, TX

YEAR MONTH
JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106								100.0		1	.0
97 TO 101	5.4		10.3	10.3	40.5	21.6			10.9	37	1.5
92 TO 96	1.4	4.9	9.7	17.2	44.1	13.8	.7	2.1	6.2	145	6.0
87 TO 91	5.9	6.6	11.7	26.6	37.5	3.1	.8	1.6	6.3	256	10.7
82 TO 86	8.1	6.8	12.2	17.7	37.1	9.6	.3	1.9	6.5	385	16.0
77 TO 81	8.4	9.2	9.8	17.0	37.0	6.3	.4	1.4	10.4	489	20.4
72 TO 76	16.8	7.9	8.9	15.8	22.9	7.9	.8	2.2	16.6	506	21.1
67 TO 71	28.1	17.4	9.6	8.9	12.8	.7	2.1	4.3	16.0	281	11.7
62 TO 66	33.1	11.3	6.6	4.0	9.3	3.3	1.3	8.6	20.5	151	6.3
57 TO 61	44.1	18.6	5.9	2.0	3.9	2.0	5.9	5.9	11.8	102	4.3
52 TO 56	22.2	13.9	5.6		5.6	2.8		13.9	36.1	36	1.5
47 TO 51	18.2	9.1			9.1	18.2			45.5	11	.5
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	15.0	9.4	9.8	15.0	28.0	6.5	1.0	2.9	12.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

77001
STATION

DALLAS, TX

JANUARY 1973-DECEMBER 1982

OCTOBER

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						33.3	66.7			3	.1
92 TO 96	10.5		10.5		52.6	15.8	10.5			10	.8
87 TO 91	6.6	1.6	4.9	16.4	39.3	16.4	3.3	3.3	8.2	61	2.5
82 TO 86	3.5	4.1	5.9	11.8	54.7	10.6	3.5	1.2	4.7	170	6.9
77 TO 81	5.3	2.5	6.3	21.7	45.3	6.9	3.5	1.9	6.6	318	12.8
72 TO 76	7.9	5.8	7.1	15.0	47.2	7.1	1.8	3.1	5.0	381	15.4
67 TO 71	10.3	7.0	7.7	14.5	36.4	11.2	1.4	2.8	8.9	429	17.3
62 TO 66	15.1	5.7	6.7	14.3	23.0	8.9	1.0	5.9	19.5	405	16.3
57 TO 61	20.8	6.4	7.8	9.2	12.4	9.2	3.5	9.9	20.8	283	11.4
52 TO 56	23.2	7.7	2.9	4.8	10.1	13.0	3.9	8.2	26.1	207	8.3
47 TO 51	30.3	10.9	5.0	3.4	2.5	5.9	4.2	6.7	31.1	119	4.8
42 TO 46	27.9	7.4	7.4		1.5	14.7	5.9	4.4	30.9	69	2.7
37 TO 41	6.7				13.3	26.7		13.3	40.0	15	.6
32 TO 36									100.0	1	.0
27 TO 31									100.0	1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -1											
-6 TO -4											
-12 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	13.2	5.3	6.5	12.7	30.7	9.6	2.7	4.7	14.1	288	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

TALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

NOVEMBER

YEAR

MONTH

PERCENTAGE

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91									100.0	1	0.0
82 TO 86	4.3			13.0	34.8	30.4	8.7		8.7	23	1.0
77 TO 81	2.7	1.4	1.4	9.8	51.4	12.2	5.4	4.1	12.2	74	3.1
72 TO 76	6.7		1.2	10.4	62.8	7.9	4.9	1.8	4.3	164	6.8
67 TO 71	4.9	2.3	3.4	12.0	52.6	9.4	3.8	5.3	6.4	266	11.1
62 TO 66	10.2	3.3	3.9	11.8	39.8	11.5	4.6	5.6	9.2	304	12.7
57 TO 61	15.1	4.9	4.0	12.0	29.7	8.6	4.6	7.4	13.7	350	14.6
52 TO 56	17.5	6.8	7.3	11.8	19.2	7.0	3.4	11.0	16.1	355	14.8
47 TO 51	27.5	6.9	6.9	5.7	16.6	8.3	2.9	11.2	14.0	340	14.5
42 TO 46	30.4	7.8	3.1	2.7	7.0	6.6	5.1	17.9	19.5	257	10.7
37 TO 41	12.2	3.4		1.4	1.4	8.9	4.1	22.6	26.0	146	6.1
32 TO 36	53.3	5.3	2.7	1.3	2.7	12.0	6.7	13.3	22.7	75	3.1
27 TO 31	26.9					30.9		26.9	15.4	26	1.1
22 TO 26	25.0					25.0		37.5	12.5	3	.3
17 TO 21						100.0				1	.0
12 TO 16						100.0				1	.0
7 TO 11											
2 TO 6											
-3 TO 1											
8 TO 4											
10 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	17.8	4.6	4.1	8.7	27.6	9.3	4.2	10.3	13.7	2400	100.0

NAVWEASERVCOM

FORM 4332-5-1321

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION: ALLAS, Tx YEAR: JANUARY 1973-DECEMBER 1987 MONTH: DECEMBER

TEMP.	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL	
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM				
122-													
117 TO 121													
112 TO 116													
107 TO 111													
102 TO 106													
97 TO 101													
92 TO 96													
87 TO 91										100.0		1	.0
82 TO 86						100.0						3	.1
77 TO 81					46.2	38.9	7.7	7.7				13	.5
72 TO 76	0.1				57.4	23.4	12.8	4.3				47	1.9
67 TO 71	2.0			5.0	55.0	21.0	9.0	5.0	3.0			100	4.0
62 TO 66	4.3	.5	1.0	3.4	64.9	11.1	7.7	4.8	2.4			208	8.4
57 TO 61	10.1	2.8	4.0	8.1	42.3	10.9	7.3	5.6	8.9			248	10.0
52 TO 56	10.9	4.6	2.6	8.6	37.4	12.3	3.3	8.9	11.3			322	12.2
47 TO 51	16.0	3.4	5.2	10.3	26.0	9.8	6.4	11.9	11.1			389	15.7
42 TO 46	23.6	7.2	5.4	9.3	17.8	10.0	4.2	9.8	12.6			428	17.3
37 TO 41	28.6	3.8	4.7	7.6	9.6	8.7	5.2	14.9	16.9			343	13.8
32 TO 36	37.4	4.0	.4	4.4	6.2	12.3	2.2	15.4	17.6			227	9.2
27 TO 31	40.0	3.5		1.7	7.8	17.4	5.2	14.8	9.6			115	4.6
22 TO 26	42.2	8.9	2.2			15.6	2.2	20.0	8.9			45	1.8
17 TO 21	31.4					14.3			14.3			7	.3
12 TO 16	100.0											7	.1
7 TO 11													
2 TO 6													
1 TO 1													
12 TO 1													
11 TO 2													
10 TO 3													
9 TO 4													
8 TO 5													
7 TO 6													
6 TO 7													
5 TO 8													
4 TO 9													
3 TO 10													
2 TO 11													
1 TO 12													
TOTALS	14.7	3.9	7.3	7.1	27.2	11.6	5.4	17.5	11.1			247	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

DALLAS, TX

STATION NAME

JANUARY 1973-DECEMBER 1982

MONTH

PERIOD

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			22.2		33.3	22.2	11.1		11.1	0	0.0
102 TO 106	1.1		10.2	17.0	52.3	6.8	4.5	1.1	6.8	88	0.3
97 TO 101	2.0	1.8	7.0	20.2	52.7	7.7	3.2	.5	4.8	447	1.5
92 TO 96	1.8	3.0	6.5	16.6	57.3	8.3	1.8	1.2	3.5	1174	4.0
87 TO 91	4.2	3.7	8.2	20.0	47.3	8.3	2.2	1.9	4.3	1750	6.0
82 TO 86	4.3	4.0	7.7	16.4	48.9	10.6	1.9	1.5	4.7	2563	8.8
77 TO 81	5.4	4.2	6.6	15.0	46.2	17.7	2.2	2.0	7.8	3423	11.7
72 TO 76	8.2	4.8	6.7	14.6	40.8	10.4	2.5	2.7	9.6	3386	11.6
67 TO 71	10.4	5.9	6.9	12.5	38.1	8.9	3.3	5.1	8.9	2813	9.6
62 TO 66	13.2	5.1	6.3	11.9	33.6	9.7	3.5	6.4	10.9	2488	8.5
57 TO 61	17.2	6.6	5.4	10.2	27.2	9.3	4.7	7.5	11.8	2247	7.7
52 TO 56	17.2	6.3	6.1	9.3	23.3	9.9	4.2	10.2	13.4	2042	7.0
47 TO 51	21.0	5.8	6.5	8.3	17.9	9.3	5.3	12.8	13.1	1856	6.4
42 TO 46	25.5	7.8	5.8	7.3	14.1	8.1	4.3	12.7	14.8	1634	5.6
37 TO 41	25.5	6.2	5.6	6.2	11.8	8.5	4.2	15.2	16.6	1352	4.6
32 TO 36	32.2	10.2	4.3	5.2	7.8	8.7	2.5	13.2	15.9	957	3.3
27 TO 31	40.3	7.1	6.1	3.6	5.9	10.5	2.1	13.5	10.9	561	1.9
22 TO 26	50.9	6.2	1.7	1.4	5.9	5.9	1.4	17.0	9.7	289	1.0
17 TO 21	40.6	6.7	1.0	1.0	3.8	4.8	1.9	10.6	9.6	104	.4
12 TO 16	35.7	2.4		2.4		14.3		35.7	9.5	42	.1
7 TO 11	57.1							14.3	25.6	7	.0
2 TO 6					100.0					1	.0
1 TO 1											
0 TO 1											
11 TO 14											
15 TO 18											
19 TO 22											
23 TO 26											
27 TO 29											
30 TO 34											
35 TO 39											
40 TO 44											
45 TO 49											
50 TO 54											
55 TO 59											
60 TO 64											
TOTALS	13.5	5.4	6.5	12.2	33.7	9.4	3.2	6.3	9.9	79217	100.0

NAVWEASERVCOM

NOCH, Federal Building
Asheville, N. C.

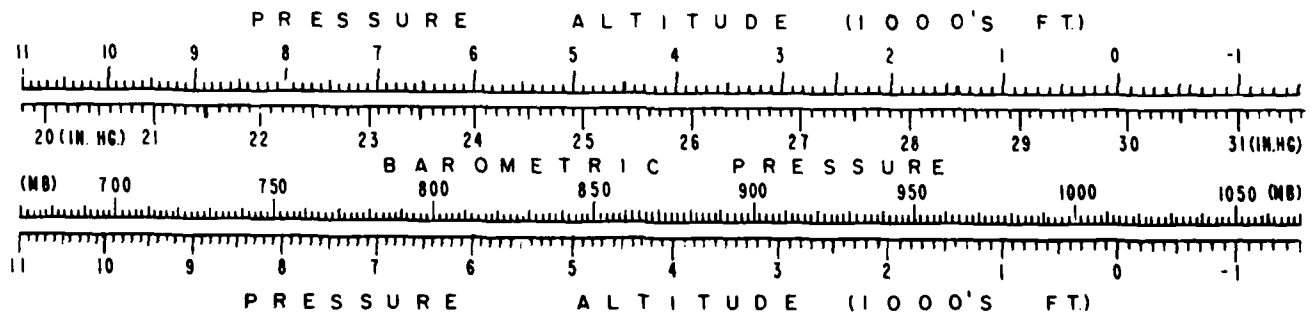
PART F

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.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

93901 DALLAS, TX

73-92

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1021.3 8.148 310	1020.1 7.849 282	1014.8 7.128 310	1014.9 6.006 300	1012.2 4.950 310	1013.5 3.961 299	1014.7 2.534 309	1015.0 2.560 310	1015.2 4.173 300	1017.6 5.580 310	1019.2 6.878 300	1019.9 7.899 310	1016.5 6.578 3650
07	MEAN S. D. TOTAL OBS	1021.0 8.337 310	1019.8 7.914 282	1014.5 7.150 310	1014.6 6.139 300	1011.9 4.992 310	1013.3 4.054 299	1014.6 2.582 310	1014.9 2.545 310	1015.1 4.176 300	1017.5 5.628 310	1019.0 6.923 300	1019.7 7.992 310	1016.3 6.641 3651
14	MEAN S. D. TOTAL OBS	1021.2 8.349 310	1020.2 7.815 282	1015.1 7.243 310	1015.3 6.260 300	1012.7 4.988 310	1014.2 4.016 299	1015.4 2.623 310	1015.7 2.575 310	1015.8 4.184 300	1018.3 5.727 310	1019.4 6.995 300	1019.7 8.155 310	1016.9 6.558 3651
21	MEAN S. D. TOTAL OBS	1022.6 8.403 310	1021.5 7.956 282	1016.4 7.379 310	1016.4 6.309 300	1013.8 5.068 309	1015.2 4.112 300	1016.4 2.628 310	1016.7 2.579 310	1016.9 4.256 300	1019.6 5.844 310	1020.8 7.046 300	1021.1 8.255 310	1014.1 6.713 3651
28	MEAN S. D. TOTAL OBS	1022.3 8.330 310	1021.2 8.002 282	1016.0 7.337 310	1015.9 6.355 300	1013.2 5.046 310	1014.7 4.026 300	1015.8 2.594 310	1016.1 2.629 310	1016.3 4.251 300	1018.8 5.790 310	1020.0 7.133 300	1020.5 8.297 310	1017.5 6.726 3652
35	MEAN S. D. TOTAL OBS	1019.8 8.304 310	1018.8 7.833 282	1013.6 7.225 310	1013.9 6.263 300	1011.5 4.969 310	1012.9 4.009 300	1014.0 2.599 310	1014.0 2.610 310	1014.1 4.306 300	1016.5 5.734 310	1017.8 7.116 300	1018.3 8.194 310	1015.4 6.591 3652
42	MEAN S. D. TOTAL OBS	1020.1 8.194 310	1018.7 7.745 282	1013.1 7.214 310	1013.1 6.177 300	1010.6 4.874 310	1011.8 3.975 300	1013.0 2.570 310	1013.1 2.621 310	1013.8 4.291 300	1016.4 5.702 310	1018.0 6.998 300	1018.6 7.920 309	1015.0 6.710 3651
49	MEAN S. D. TOTAL OBS	1021.0 8.303 310	1019.7 7.641 282	1014.3 7.162 310	1014.4 6.051 300	1011.7 4.802 310	1012.7 4.047 299	1013.9 2.552 310	1014.3 2.644 310	1015.0 4.242 300	1017.5 5.660 310	1019.0 6.992 300	1019.7 7.806 309	1016.1 6.663 3650
ALL HOURS	MEAN S. D. TOTAL OBS	1021.2 8.333 2480	1020.0 7.890 2254	1014.7 7.296 2480	1014.8 6.266 2400	1012.2 5.046 2479	1013.5 4.151 2396	1014.7 2.788 2479	1015.0 2.819 2480	1015.3 4.342 2400	1017.8 5.790 2480	1019.1 7.061 2400	1019.7 8.100 2478	1016.5 6.721 29208

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

92901 DALLAS, TX

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 S. D. TOTAL OBS	29.642 .232 310	29.610 .222 282	29.464 .204 310	29.472 .173 300	29.397 .143 310	29.437 .117 299	29.473 .075 309	29.481 .076 310	29.486 .119 300	29.550 .159 310	29.589 .196 300	29.678 .226 310	29.517 .186 3650
07	MEAN S. D. TOTAL OBS	29.634 .237 310	29.670 .224 282	29.454 .205 310	29.461 .176 300	29.387 .144 310	29.430 .119 299	29.470 .076 310	29.479 .076 310	29.481 .119 300	29.547 .161 310	29.583 .197 300	29.598 .229 310	29.510 .188 3651
08	MEAN S. D. TOTAL OBS	29.637 .237 310	29.611 .222 282	29.470 .207 310	29.479 .180 300	29.408 .144 310	29.456 .118 299	29.494 .077 310	29.501 .076 310	29.500 .120 300	29.568 .164 310	29.594 .199 300	29.598 .233 310	29.526 .197 3651
14	MEAN S. D. TOTAL OBS	29.677 .240 310	29.650 .226 282	29.509 .211 310	29.513 .181 300	29.440 .147 309	29.485 .119 300	29.522 .079 310	29.530 .076 310	29.534 .121 300	29.605 .166 310	29.633 .201 300	29.637 .236 310	29.561 .190 3651
17	MEAN S. D. TOTAL OBS	29.671 .238 310	29.643 .227 282	29.496 .210 310	29.499 .183 300	29.424 .146 310	29.470 .118 300	29.507 .076 310	29.513 .078 310	29.516 .122 300	29.583 .166 310	29.612 .204 300	29.621 .237 310	29.546 .191 3652
18	MEAN S. D. TOTAL OBS	29.600 .237 310	29.573 .222 282	29.427 .207 310	29.442 .180 300	29.375 .144 310	29.420 .118 300	29.454 .076 310	29.453 .077 310	29.454 .124 300	29.518 .165 310	29.548 .203 300	29.557 .234 310	29.485 .197 3652
19	MEAN S. D. TOTAL OBS	29.676 .234 310	29.569 .220 282	29.412 .206 310	29.417 .177 300	29.347 .140 310	29.386 .117 300	29.423 .076 310	29.425 .077 310	29.442 .123 300	29.512 .163 310	29.551 .200 300	29.566 .226 309	29.471 .190 3651
21	MEAN S. D. TOTAL OBS	29.632 .237 310	29.598 .216 282	29.448 .205 310	29.455 .174 300	29.380 .139 310	29.414 .119 299	29.450 .076 310	29.460 .079 310	29.478 .121 300	29.545 .162 310	29.581 .200 300	29.597 .223 309	29.503 .188 3650
ALL HOURS	MEAN S. D. TOTAL OBS	29.637 .237 2480	29.607 .224 2256	29.460 .209 2480	29.467 .180 2400	29.395 .146 2479	29.437 .122 2396	29.474 .082 2479	29.480 .083 2480	29.486 .124 2400	29.554 .166 2480	29.586 .202 2400	29.597 .232 2478	29.515 .190 29208

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