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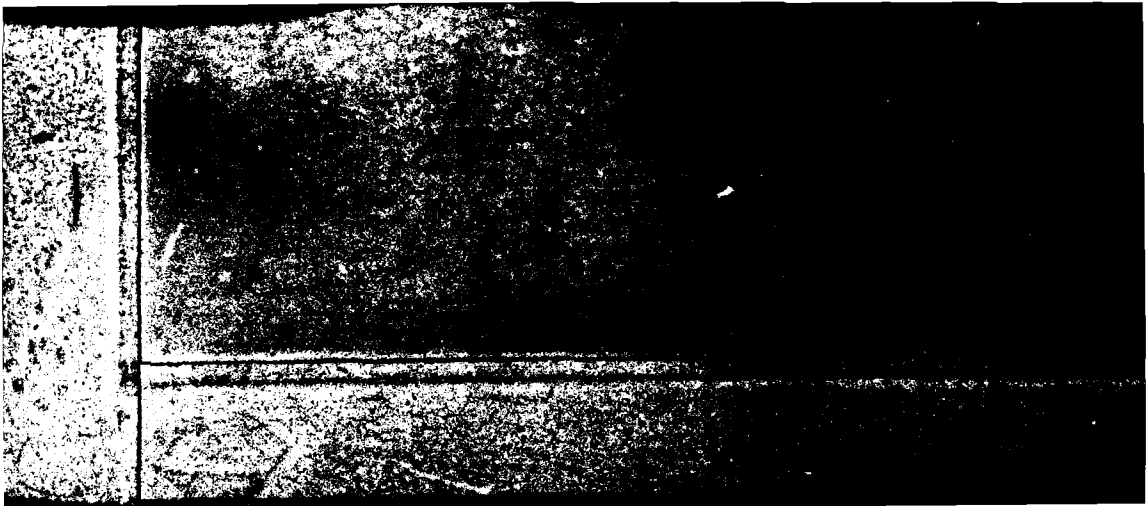
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part 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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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

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

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

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

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

STATION NO. OR NEARBY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL LETTERS	WIND NUMBER
12928	Kingsville, Texas	27°30'N	97°49'W	50	KNQI	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF STATION LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DAYS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather office, hangar #760	MS		1954	27°30'N	97°49'W	60	Mercurial	24
2.	" " " "	"		1954	"	"	60	"	24
1a.	Weather service office, Bldg 1770	"	1954	1968	"	"	55	Aneroid	24
2a.	" " " "	HAAS	1954	1965	"	"	58	"	24
2b.	" " " "	NAS	1965		"	"	57	"	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.	1954	Discontinued	Selsyn	Double register		1. Barograph (7 day open scale) 2. Semi-auto met. station (GNQ-14) 3. Ceiling light (ML/121) 4. Cloud sat (AM/GNQ-13C) 5. Transmissometer (AM/GNQ-10C) 6. Radar Fax Recorder (GNH-6(V)) 7. Closed circuit TV (AM/GNQ 27-V) 8. Sta. press. alt. (Kollsman) 9. Pilot to forecaster transmitter/receiver (AM-413A/6) 10. Tpg. bucket rain gauge (GNQ-14) 11. RVR 1B-1348 12. Alt. stg. contr. indic. C-7826/7
2.	1954	Installed transmitter on roof of operations building. Recorder is located in weather service office, building 1770.	AM/UMQ-5B	RD-108/UMQ-5	62'	
3.	1961	Transmitter 500' west of operations building # 1770 .	UMQ-5C	RD-108B	Above Ground 20'	

NWSD, Federal Building
Scheriff, N. C.

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum 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 WMAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

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

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

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION

KINGSVILLE, TX

51-79

ALL

DATE

PERIOD

YEAR

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN S/ OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.6	44.1	.8	.8	.1	44.2	55.9	18.2		1.2	49.3	868
FEB		3.3	36.8	.1	.5	.1	36.9	49.9	22.3		4.2	59.4	791
MAR		4.3	37.0			.1	37.0	50.0	25.6		6.3	60.6	868
APR		9.2	35.0			.1	35.0	50.4	34.4		6.0	64.0	840
MAY		15.6	34.4			.2	34.4	45.6	34.7		3.2	60.5	868
JUN		15.4	30.2				30.2	31.3	19.4		3.9	41.5	873
JUL		12.5	23.5			.1	23.5	25.7	14.3		4.8	35.3	855
AUG		17.6	29.6				29.6	25.9	14.2		3.8	34.1	879
SEP		19.5	41.5				41.5	36.7	23.4		1.5	45.5	870
OCT		6.9	29.8			.1	29.8	44.3	22.9		1.0	52.1	899
NOV		2.3	33.7		.3		33.7	48.7	19.2		1.1	50.7	870
DEC		1.9	37.8	.1	.2	.1	37.8	50.1	18.4		1.3	53.5	899
TOTALS		9.3	34.4	.1	.1	.1	34.5	42.7	22.3		1.8	51.4	10397

NAVWEASERVCOM

WEATHER CONDITIONS

17-08 KINGSVILLE, TX

73-82

JAN

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.
JAN	00	.3	12.3	.6			12.9	21.0	1.0			21.3	310
	01		17.1	.3			17.4	26.5				26.5	310
	02	.3	16.8	.6			17.4	34.2	.6			34.8	310
	03		15.6				15.8	42.9	7.7			47.4	310
	04	.3	9.7	.3	.3		10.0	19.7	8.1		.6	27.1	310
	05		11.6				11.6	15.8	6.1		.6	21.6	310
	06		10.8	.6			11.3	14.9	6.8			23.9	310
	07		12.3	.3			12.6	18.7	.6			19.0	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		.1	13.3	.3	.0		13.6	24.7	3.9		.2	27.7	2480

NAVWEASBRVCOM

WEATHER CONDITIONS

17 21 KY-665VILLT, TX

73-82

FEV

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	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.
FEV	00	.4	6.0	.4	.4		5.7	17.7	1.4			18.4	252
	01		12.1		.4		12.4	29.4	.4			29.8	242
	02	.4	13.5				13.9	34.8				34.4	282
	03	.4	11.3				11.3	35.3	16.0		.7	51.4	262
	04		9.2				9.2	15.7	11.3		1.1	27.0	262
	05	.4	7.4				7.4	13.6	9.9		.7	20.9	242
	06		7.8				7.8	12.1	9.6			20.6	281
	07	.4	5.3	.4	.4		5.7	12.8	2.1			14.9	252
TOTALS		.3	9.1	.1	.2		9.3	21.6	6.3		.3	27.2	2256

NAVWEASERVCOM

WEATHER CONDITIONS

17 21
STATION

MINNIEVILLE, TX
STATION NAME

73-82
YEAR

MAF
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.
MAR	00	1.0	6.1				6.1	16.1	2.3		.3	16.1	310
	01		6.5				6.5	23.5	.3		.3	24.2	310
	02	.3	10.0				10.0	32.6	.6			32.9	310
	03	.6	9.7				9.7	34.2	12.9		.6	43.5	310
	04	.3	6.5				6.5	11.0	11.0		1.3	21.9	310
	05		4.2				4.2	7.1	11.3		.6	17.7	310
	06		6.5				6.5	6.5	13.5		.3	16.6	310
	07	.6	6.1				6.1	11.3	8.1		.3	17.7	310
	08												
	09												
	10												
	11												
	12												
	13												
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	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		.4	6.7				6.7	17.8	7.5		.5	24.3	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION
17004

STATION NAME
WYNGVILLE, TX

YEAR
73-82

MONTH
APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00	.3	6.7				6.7	15.7	3.3			17.3	300
	01	1.3	7.7				7.7	24.7	1.7			25.3	300
	02	1.0	10.0				10.0	43.0	6.0			47.3	300
	03	.7	8.3				8.3	19.7	19.3		.3	30.0	300
	04	1.3	6.3				6.3	4.0	14.7		.3	18.7	300
	05	1.0	6.3				6.3	3.7	14.0		1.0	18.0	300
	06	.7	4.3				4.3	4.0	16.3		.7	20.0	300
	07	1.0	5.7				5.7	7.0	6.3			12.0	300
TOTALS		.9	6.9				6.9	15.2	10.2		.3	24.1	2400

NAYWEASERVCOM

WEATHER CONDITIONS

17008

KINGSVILLE, TX

73-82

MAY

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.
MAY	00	2.3	3.5				3.2	16.0	5.8			13.9	310
	03	1.9	5.8				3.8	19.0	5.8			22.3	310
	06	1.3	5.5				5.8	53.2	20.0			64.8	310
	09	.3	5.2				5.2	12.3	23.5			31.9	310
	12	1.9	6.1				6.1	1.3	16.5			17.7	310
	15	.6	3.2				3.2	.6	13.5			15.8	310
	18	1.0	3.2				3.2	1.0	14.8			17.4	310
	21	.6	1.6				1.6	3.2	9.4			11.3	310
TOTALS		1.2	4.2				4.2	12.6	14.2			24.3	2980

NAVWEASERVCOM

WEATHER CONDITIONS

1972

KINGSVILLE, TX

73-82

JUN

STATION

OFFICE NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SHOWING SNOW	SMOG AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	.7	2.7				2.7	.7	1.0			1.3	300
	03	.7	2.0				2.0	7.3	1.3			8.3	300
	06	1.0	3.3				3.3	48.3	17.3			67.0	300
	09	1.3	3.3				3.3	2.3	11.3			12.3	300
	12	3.7	9.0				9.0	.3	4.0			4.3	300
	15	3.3	6.0				6.0	.3	4.7			5.0	300
	18	1.0	3.0				3.0		4.3		.3	4.7	300
	21	.3	2.0				2.0		1.3			1.3	300
TOTALS		1.8	2.9				7.7	3.8	6.7			11.4	2700

NAVWEAS/VCOR

WEATHER CONDITIONS

1992

WINGSVILLE, TX

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREQUENT RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLUING SNOW	BEST AND/OR SMOG	% OF OBS WITH OBS TO VIEW	TOTAL NO. OF OBS.
JUL	00	.3	1.3				1.3	.3	.6			1.0	310
	03	.6	3.2				3.2	2.9	1.3			3.5	310
	06	.4	2.9				2.9	43.2	14.2			48.7	310
	09	.4	4.2				4.2	2.3	7.7			9.4	310
	12	1.3	8.8				8.8	.6	3.9			4.5	310
	15	3.9	4.8				4.8	.3	3.2			3.8	310
	18	.6	1.9				1.9	.3	4.4			5.2	310
	21	1.0	2.3				2.3		1.3			1.3	310
TOTAL		1.4	3.3				3.3	6.8	6.6			6.6	2632

NOVWEAS7FORM

WEATHER CONDITIONS

1992A

KINGSVILLE, TX

73-02

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AMD/OR DRIZZLE	FREZING RAIN S/OR DRIZZLE	SNOW AMD/OR SLUR	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AMD/OR HAZE	SHOWERS SNOW	POST AMD/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	.3	1.7				1.9	1.0	2.3			2.6	310
	03	1.0	2.6				2.6	6.8	2.9			7.7	310
	06	1.0	3.5				3.5	43.9	16.5			49.0	310
	09	.3	6.8				5.5	6.2	11.3			13.5	310
	12	4.6	4.8				4.8	.3	8.8		.6	6.8	310
	15	5.2	6.4				6.4	.3	6.1		1.6	7.7	310
	18	1.6	2.9				2.9		4.8		1.3	6.1	310
	21	.3	1.6				1.6		1.3			1.3	310
TOTAL		1.8	3.9				3.9	7.3	5.9		.9	11.6	2900

WEATHER CONDITIONS

1992
STATION

KINGSVILLE, TX

STATION NAME

73-02

YEAR

SEP

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 PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	1.7	3.0				3.0	1.3	4.3			6.0	300
	03	1.0	3.0				3.0	11.7	4.3			14.3	300
	06	1.7	3.7				3.7	38.7	7.7			37.3	300
	09	.3	6.0				6.0	10.0	20.0			25.0	300
	12	1.3	6.7				6.7	3.0	11.0			12.3	300
	15	3.7	8.3				8.3	1.0	9.3			10.0	300
	18	1.0	3.3				3.3	1.3	11.7			12.3	300
	21	1.0	2.7				2.7	1.3	5.0			5.3	300
TOTALS		1.9	6.6				5.6	8.4	9.8			15.3	2400

NOVWEASBYCOM

WEATHER CONDITIONS

1928

KINGSVILLE, TX

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOG AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00	.3	4.8				4.8	6.1	1.3			6.5	310
	03	.6	4.2				4.2	12.3				12.3	310
	06	.6	7.7				7.7	25.5	2.3			26.5	310
	09		5.5				5.5	10.3	14.2			23.5	310
	12		7.4				7.4	2.6	4.2			6.6	310
	15	1.3	4.8				4.8	2.3	3.2			5.5	310
	18	.3	4.5				4.5	2.0	3.0			4.4	310
	21	.3	4.2				4.2	1.6	1.9			3.5	310
TOTAL		.4	5.4				5.4	2.9	4.1			11.4	2400

WEATHER CONDITIONS

12028

KINGSVILLE, TX

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% 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	6.3				6.3	12.7	1.7			13.7	300
	03	.3	7.3		.3		7.7	22.7	2.3			24.0	300
	06	.3	6.7				6.7	31.3	2.3			32.0	300
	09		6.3				6.3	79.0	13.3			38.0	300
	12		5.7		.3		5.7	9.0	10.3			17.3	300
	15		4.7				4.7	6.7	5.3			11.7	300
	18	.7	6.0				6.0	6.7	11.7			17.7	300
	21	.3	4.3				4.3	4.0	1.3			8.7	300
TOTALS		.3	5.9		.1		6.0	15.8	6.0			20.4	2400

NAVWENBVC00M

WEATHER CONDITIONS

12000
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

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	.3	8.8		.3		8.8	15.2	1.0		.3	15.8	310
	01		6.7				6.7	22.9	1.6			23.5	311
	06		10.6				10.6	24.5	.6		.3	24.8	311
	07		6.8				6.8	32.6	10.3		.3	40.6	310
	12		6.1				6.1	11.0	6.8		.6	16.5	310
	15		8.4				8.4	8.7	8.5		.3	14.2	310
	18		7.4				7.4	11.0	7.1		.3	16.8	309
	21		6.5				6.5	4.7	.3			9.7	309
TOTALS		.0	7.2		.0		7.2	17.0	4.2		.3	20.8	2478

NAVWEASERVCOM

WEATHER CONDITIONS

17728

KINGSVILLE, TX

73-82

ALL

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	FREIZING 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.
JAN	ALL	.1	13.3	.3	.7		13.6	24.7	3.9		.2	27.7	2480
FEB		.3	9.1	.1	.2		9.3	21.6	6.3		.3	27.2	2296
MAR		.4	6.7				6.7	17.8	7.5		.5	24.3	2480
APR		.9	6.9				6.9	15.2	10.2		.3	24.1	2400
MAY		1.2	4.2				4.2	12.6	14.2			24.0	2480
JUN		1.5	3.9				3.9	7.2	5.7		.8	11.9	2400
JUL		1.1	3.3				3.3	6.2	4.6			9.6	2480
AUG		1.6	3.9				3.9	7.2	6.4		.4	11.8	2480
SEP		1.5	4.6				4.6	8.4	9.2			15.3	2400
OCT		.4	3.4				5.0	7.9	4.1			11.6	2480
NOV		.3	3.9		.1		6.0	15.9	6.0			20.4	2400
DEC		.8	7.9		.0		7.9	17.8	4.2		.3	20.2	2474
TOTALS		.8	6.3	.0	.8		6.3	13.5	6.9		.2	19.8	29210

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1702P WINGSVILLE, TX JANUARY 1973-DECEMBER 1982 JANUARY

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	8.5		13.0	.6					27.1	1.7	3.1			64.7
NNE	4.9	2.1	16.0	2.1	.4			.4	28.7	.4	3.4			61.3
NE	7.0	.8	13.3					.8	27.3		7.0			63.3
ENE	6.9	1.4	4.2						16.7		16.7			66.7
E	5.1	4.0	7.1						29.3		8.1			61.6
ESE	1.9		2.8						23.1	.9	2.8			75.0
SE	1.7	2.1	.5						16.1	1.6	5.7			77.2
SSE	1.5	.5	1.5					.5	12.7	1.5	1.0		.5	82.8
S	.5		.5						9.3	2.1	4.1			85.5
SSW			2.0						13.7	2.0	5.9			80.4
SW			4.5						18.2	4.5				77.3
WSW	5.0								5.9	5.9				82.4
W	2.4	2.9	2.9						1.6				2.9	88.7
WNW	4.7		11.6						23.3		4.3			68.1
NW	4.7	1.0	16.2						28.3	2.0	2.0		2.0	63.6
NNW	7.5	1.3	12.1						26.3	2.1	2.1			65.8
VARIABLE														
CALM														
TOTAL	124	23	208	9	1			3	663	48	96		4	1711
% TOTAL	5.3	.9	8.6	.4	.0			.1	28.7	1.9	3.9		.2	69.1

TOTAL NUMBER OF OBSERVATIONS 2,477

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17226
STATIONKINGSVILLE, TX
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSFEBRUARY
MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	.2	10.1	.5	.2			.5	24.6	1.0	6.4			67.1
NNE	9.9		12.4						30.7	1.0	7.4			58.9
NE	16.0	2.1	6.4						27.7	6.4	12.8			53.2
ENE	6.6	3.3	7.7						30.8	5.3	12.1			53.4
E	3.4	1.7						1.7	15.8	6.0	10.3			68.1
ESE	2.2		3.5						18.0	1.7	7.0			72.1
SE	2.8	.8	1.7					.4	11.3	1.3	8.9			79.8
SSE	.5	.5	.5						7.2	2.7	5.0		.5	84.7
S			1.9						14.3	1.9	3.1			81.4
SSW									8.9	1.8	5.4			88.7
SW									4.8		4.8			90.5
WSW									3.6					96.4
W	2.4								12.2				2.6	82.9
WNW	2.6	2.6	10.3						10.3		10.3		2.6	74.4
NW	2.3		9.3						24.8	2.3	4.7			67.4
NNW	5.7	.7	8.5		.7	.7			18.4	2.1	4.3		.7	71.6
VARIABLE														
CALM									23.6	4.7	4.8			61.7
TOTAL	89	13	120	2	2	1		5	427	59	143		4	1606
% TOTAL	3.9	.6	5.3	.1	.1	.0		.2	18.9	2.6	6.3		.2	71.2

TOTAL NUMBER OF OBSERVATIONS 2,250

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

10428
STATIONKINGSVILLE, TX
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSMARCH
MONTH

HOURS (U.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.5	1.7	6.6					.4	15.7	.4	5.4			74.8
NNE	4.3	.6	9.3						27.2	.6	9.3			63.0
NE	7.1	1.2	4.9					2.5	19.8	3.7	4.9			66.7
ENE	8.2	3.1	5.2					2.1	21.6	3.1	11.3			54.6
E	3.8		4.8						25.2	2.2	6.3			64.5
ESE	.6	.3	2.7					.3	16.9	1.8	10.6			72.5
SE	.5	.9	2.4						12.2	1.3	9.2			77.3
SSE		.4	3.5						10.9	1.4	7.4			79.3
S	.6	.6	1.9						9.4	1.3	6.9			80.0
SSW									15.4		5.1			79.5
SW	3.4								6.9	3.4	10.3			82.8
WSW									8.3		4.2			87.5
W		5.9						2.9	5.9					88.2
WNW		3.4						3.4	6.9		6.9			82.8
NW			2.8						11.3	3.8	1.3		1.3	81.3
NNW	2.1	1.7	3.6					.8	11.0	.8	4.2			79.7
VARIABLE														
CALM														
TOTAL	47	22	100					9	395	46	104		1	1819
% TOTAL	1.0	.9	4.0					.4	15.9	1.9	7.4		.0	73.3

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1728 WINGSVILLE, TX JANUARY 1973-DECEMBER 1982 APRIL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.0	7.8	5.2					3.5	16.5	1.3	5.7			66.5
NNE	1.0	3.0	3.0					1.0	15.0	1.0	5.0			73.0
NE	5.3	2.1	3.2					1.1	22.1	1.1	18.8			61.1
ENE	1.0	2.0	5.1					1.0	21.4	2.0	16.3		1.0	62.2
E	1.5	3.1	1.9					1.5	13.0	3.8	9.6		.8	69.7
ESE	.7	1.7	2.4					.2	7.1	2.1	9.5		.2	79.8
SE	1.0	1.0	1.8					.6	8.8	.4	15.0		.2	75.4
SSE	.4	1.2	3.2						11.1	2.4	13.0			73.1
S	.4	1.8							13.8	3.7	8.3		.9	72.5
SSW									15.8	3.1	6.3			78.1
SW														100.0
WSW														100.0
W		6.7						6.7	6.7	13.3	6.7			66.7
WNW		10.5						5.3	10.5		5.3			73.7
NW	2.7		2.7						16.2		2.7			75.7
NNW	1.5	6.8	4.1					1.4	9.6	4.1	4.1			76.0
VARIABLE														
CALM		2.3	2.3						34.4	4.0	1.3			51.8
TOTAL	44	61	62					22	310	55	245		6	1730
% TOTAL	1.3	2.5	2.6					.9	12.9	2.3	10.2		.3	72.1

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17928 KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.5	.8	1.6					1.6	16.0	3.2	10.6			72.0
NNE	3.1	9.2	1.0					5.3	14.3	7.1	12.2			62.2
NE	3.4	9.2						8.9	14.9	3.4	8.0			63.8
ENE	3.8	3.8						1.8	9.8	5.7	13.3			71.4
E	1.1	1.8	.7					.7	12.0	1.8	17.2			69.7
ESE	1.1	1.8	.4						6.0	1.6	17.8			75.0
SE	.2	1.3	1.0					.6	7.3	1.7	18.9			78.7
SSE	.7	1.4							7.2	1.0	13.0			80.1
S	.6	2.5							7.4	4.1	17.2			71.3
SSW		16.7						16.7			5.6			77.8
SW	11.1	11.1						11.1	22.2					66.7
WSW		5.9						5.9	5.9	5.9	5.9			82.6
W	5.9	5.9						5.9	5.9	5.9	5.9			76.3
WNW		7.7						7.7			7.7			84.6
NW		10.7						3.6	7.1	7.1	3.6			75.0
NNW	3.2							3.2	4.8	3.2	3.2			83.9
VARIABLE														
CALM														
TOTAL	29	65	12					31	237	75	349			1811
% TOTAL	1.2	2.6	.8					1.3	9.6	3.0	14.1			73.0

TOTAL NUMBER OF OBSERVATIONS 2,480

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

10428
STATION

WINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JUNE
MONTH
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDG RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.7	1.5						9.2	0.6	7.7			73.8
NNE	1.5	9.0						1.5	0.8	6.0	9.0			71.6
NE	6.3	10.4	2.1					2.1	10.4		6.3			62.5
ENE		11.6						2.9	7.2	1.4	9.8			75.4
E	1.3	6.0						2.1	2.1	1.3	6.0			82.8
ESE	.5	1.5						1.3	2.8	.5	6.6			90.6
SE	.2	1.6						.9	1.2	1.0	5.4			91.3
SSE	.5	1.6						1.2	2.3	1.9	5.6			89.2
S		1.9						1.4	1.4	1.4	6.3			91.4
SSW	4.0	4.0						4.0			8.0			84.0
SW		16.7						16.7	16.7		16.7			66.7
WSW		10.0							20.0	10.0	10.0			50.0
W	7.1	7.1						7.1		7.1				78.6
WNW		9.1						9.1						90.9
NW		10.0						5.0	15.0	25.0	10.0			40.0
NNW		11.4						11.4	17.1	11.4	8.6			57.1
VARIABLE														
CALM									11.4	21.8	4.7			52.2
TOTAL	15	76	2					36	89	83	136			2023
% TOTAL	.7	3.2	.1					1.5	3.7	3.8	5.7			86.3

TOTAL NUMBER OF OBSERVATIONS 2,400

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

WINGSVILLE, TX

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PILLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	3.6							14.3	10.7	10.7			57.1
NNE		9.4							6.3	3.1	6.3			78.1
NE	9.7	6.5						6.5	9.7	3.2	3.2			74.2
ENE	7.3	9.8						8.5	4.9	4.9	7.3			70.7
E	1.3	5.2						1.9	3.2	4.8	3.9			82.3
ESE	.8	1.5						.8	.8	1.7	4.8			90.9
SE	.2	1.5						1.1	1.5	1.7	8.2			90.4
SSE	1.2	1.0	.2					.2	1.0	2.4	3.6			91.7
S	.7	1.8	.4					1.4	.7	2.1	3.9			91.9
SSW		4.0						4.0		4.0	4.0			84.0
SW		11.1							11.1		22.2			66.7
WSW		30.0						20.0						70.0
W	22.2	11.1						11.1						66.7
WNW								25.0						75.0
NW		16.7							16.7		16.7			66.7
NNW									21.4	14.3	14.3			87.1
VARIABLE														
CALM	1.0	1.0							1.0	20.7	1.0			67.7
TOTAL	24	54	2					24	52	103	133			2157
% TOTAL	1.1	2.2	.1					1.1	2.3	4.2	5.8			87.0

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17028
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN PREZING 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		6.7						2.2	17.8	12.2	14.4			54.4
NNE	8.8	3.3						3.5		8.8	8.8			71.9
NE		6.0						2.0	4.0	6.0	10.0			66.0
ENE	4.5	5.6						2.2	6.7	5.6	11.2			68.5
E	1.3	2.2						3.3	2.6	.9	6.2			88.3
ESE	1.4	1.7						1.2	.5	.5	4.3			91.8
SE	1.3	1.1	.2					.9	1.1	1.1	4.1		1.7	89.5
SSE	1.5	1.8						1.5	.8	1.3	3.8		.8	90.6
S		2.8						1.6	1.0	2.6	3.6			93.3
SSW		1.4									6.9			89.7
SW		12.5						12.5						81.3
WSW	7.7								7.7		7.7			76.9
W		14.3						14.3	7.1	7.1	14.3			59.0
WNW								11.1	11.1		22.2			66.7
NW	8.3							4.2	8.3	12.5	29.0			62.5
NNW		2.6						5.1	20.5	7.7	23.1			59.0
VARIABLE														
CALM	1.4	1.4						1.4	1.4	1.4	1.4			14.4
TOTAL	38	57	1					95	81	95	158		11	2079
% TOTAL	1.5	2.3	.0					1.8	3.3	3.8	6.9		.4	83.9

TOTAL NUMBER OF OBSERVATIONS 2,470

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17928

KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982 SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN PREZING 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	5.3	2.7	.8					2.3	9.8	8.3	11.7			69.7
NNE	8.6	2.9	.8					2.9	9.7	8.7	15.4			66.3
NE	1.2	6.0							8.4	8.6	19.3			69.9
ENE		18.2						3.1	3.1		12.8			76.8
E	1.2	2.1						1.7	2.1	.4	5.4			89.7
ESE	.7	2.9						.8	1.1		6.1			90.3
SE		2.4						1.4	.7	1.6	7.8			88.7
SSE	.4	2.6						1.7	.8	1.7	7.7			88.1
S		1.2						.6	1.8	2.1	6.9			89.6
SSW									4.3		6.3			87.8
SW		15.0						15.0	8.0		6.0			78.0
WSW	5.3								18.8	8.3	8.3			73.7
W	2.8								2.8		8.3			86.1
WNW	3.5									7.1	23.4			73.0
NW	2.9								12.9	8.7	11.6			77.1
NNW									8.3	6.6	17.4			73.4
VARIABLE														
CALM														
TOTAL	63	66	3					35	116	86	220			1942
% TOTAL	1.8	2.7	.1					1.5	4.8	3.0	7.2			80.9

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWASBRVCOM

4431 (2-73)

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

10928
STATIONKINGSVILLE, TX
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSOCTOBER
MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	8.7	2.3	1.7					1.0	8.4	3.4	4.4			76.8
NNE	7.1	3.8	1.4						8.7	5.2	8.1			71.1
NNE	8.7	2.9	1.0					1.0	6.7	2.9	7.7			75.0
ENE		2.4							1.2		6.8			91.7
E	.5	3.8						1.4	3.3	1.4	4.3			87.7
ESE	.4	1.7						.4	2.1	.8	3.3			92.6
SE		1.3	.3					.3	1.3	.6	4.2			92.3
SSE	.4	.8							2.0		2.8			94.9
S	.7	3.4						.7	1.4		4.8			89.8
SSW		3.3						3.3	6.7		3.3			83.3
SW	4.3													95.8
WSW											7.1			92.9
W	4.3								1.7		4.3			87.0
WNW	8.9	2.4	4.9						6.9	6.9				82.9
NW	3.1								4.8	3.8	3.8			83.6
NNW	8.1	2.9	2.8						11.8	2.8	1.8			77.2
VARIABLE														
CALM									14.8	14.8	14.8			14.8
TOTAL	69	80	18					11	129	67	182			2094
% TOTAL	2.8	3.8	.8					.4	5.8	3.7	4.1			84.4

TOTAL NUMBER OF OBSERVATIONS 2,000

RAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

NOVEMBER
MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN FREZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	1.2	4.1					.6	17.1	2.0	4.1			72.5
NNE	3.1	.6	3.7						17.8	2.8	8.6			71.8
NE	3.2		3.2						10.8	3.2	4.7			78.3
ENE	2.9		2.9					1.4	8.6	1.4	12.4			78.7
E									4.9	3.3	9.8			83.7
ESE	1.7	.6	.6						8.0	1.1	5.3			87.3
SE	.4	.4							8.7	.4	7.3			87.8
SSE		1.4	.5						6.3	.9	2.7			89.2
S	.5	1.1	.5					1.6	11.6	2.1	6.9			79.9
SSW		3.6							18.3	3.6	3.4			74.3
SW	5.0								5.0		5.0			85.0
WSW			5.3						18.8	6.3	8.3			73.7
W	2.6		7.7						17.9	7.7	10.3			69.2
WNW	2.7	2.7	5.6						16.2		2.7			81.1
NW	4.9		5.4		.9				21.6	.9	1.8			70.3
NNW	8.7	.4	6.8		.4				18.4	2.1	6.0			70.9
VARIABLE														
CALM														
TOTAL	74	16	58		2			7	388	70	145			1853
R TOTAL	3.1	.7	2.4		.1			.3	12.5	2.9	6.0			77.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1728 KINGSVILLE, TX JANUARY 1973-DECEMBER 1982 DECEMBER
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.9	.2	6.0						15.4	1.1	3.8			74.6
NNE	4.5	1.3	3.0						9.8	1.5	3.8			78.6
NE	6.7		5.6						20.2		3.6			69.7
ENE	7.0		1.8						7.0	7.0	12.3			66.7
E	2.1		4.3						13.8		3.2			83.0
ESE	2.7		4.1						12.3		3.4			84.9
SE	2.3		1.9						12.5	2.3	4.2		.5	81.0
SSE	1.1		1.1						12.6		4.2			83.7
S	.6		.4						7.3	1.2	4.0		.4	87.2
SSW			2.1						14.9	2.1	6.4			78.7
SW			3.4						20.7					79.3
WSW									12.1	3.0	6.1			84.8
W			8.1						13.5		3.4			78.4
WNW	2.9	1.6	13.6						24.8		1.4			72.5
NW	8.4		13.7						19.7	4.3	2.6			69.2
NNW	5.8	.4	11.2						19.9	3.7	1.9			69.7
VARIABLE														
CALM	2.1		2.4						22.3	1.2	3.1			71.2
TOTAL	85	6	118						373	47	182		3	1983
% TOTAL	3.4	.2	4.8						15.1	1.9	7.3		.1	76.8

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

10020

KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.6	1.8	6.0	.2	.0			.9	17.6	2.6	6.1			70.1
NNE	6.2	2.7	6.0	.3	.1			.9	17.0	2.9	8.0			67.6
NE	6.2	3.3	4.1					1.5	16.8	2.8	10.8			66.5
ENE	3.7	4.3	2.4					1.3	12.3	3.0	11.6		.1	69.1
E	1.7	2.7	1.2					1.4	9.4	2.1	7.9		.1	78.0
ESE	1.1	1.4	.9					.5	6.0	1.2	7.7		.2	84.0
SE	.8	1.2	.8					.6	5.6	1.3	7.9		.2	86.3
SSE	.7	1.1	.7					.5	5.4	1.5	5.8		.1	86.4
S	.5	1.3	.5					.7	6.1	2.0	5.5		.1	85.7
SSW	.2	2.0	.5					1.7	8.9	1.5	5.7			82.2
SW	1.7	3.7	.9					3.3	4.9	.9	4.2			82.2
WSW	1.4	2.3	.5					1.4	3.3	2.8	4.1			82.9
W	2.9	2.9	2.2					2.2	4.9	2.5	4.5		.6	79.0
WNW	2.6	2.6	6.1					1.8	12.9	1.2	6.4		.3	76.0
NW	4.3	.9	7.2		.1			.4	18.0	3.9	4.4		.6	71.3
NNW	5.2	1.5	6.6		.1	.1		.7	17.0	3.1	5.1		.1	71.0
VARIABLE														
CALM	1.2	1.0	1.2					.4	12.8	12.7	1.2			65.7
TOTAL	684	807	701	11	5	1		232	3008	834	1995		29	22728
% TOTAL	2.3	2.7	2.4	.0	.0	.0		.8	10.8	2.9	6.8		.1	77.8

TOTAL NUMBER OF OBSERVATIONS

29,209

NOVWEASERVCOM

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

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

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

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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 2 KINGSVILLE, TX 51-82
STATION STATION NAME YEARS

39653

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	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	12-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	55.7	19.7	2.4	8.1	3.9	4.6	3.4	1.5	.5	.5				24.7	961	1.60	4.69	.02	
FEB	61.2	17.5	3.7	5.6	2.9	2.7	3.1	2.3	.9	.2				21.3	876	1.63	4.14	TRACE	
MAR	67.7	21.0	3.2	5.0	2.2	1.6	1.5	.9	.3	.1				15.1	961	.75	4.59	TRACE	
APR	64.5	19.7	1.7	4.6	2.3	2.4	1.3	2.5	1.0		.1			15.8	930	1.51	6.22	TRACE	
MAY	64.4	17.0	2.3	2.4	1.9	1.2	3.7	2.9	2.5	.4				18.6	961	2.79	1.35	.27	
JUN	70.7	8.9	1.0	4.6	1.8	4.8	2.9	2.5	2.6	.6				20.7	960	3.03	2.43	.02	
JUL	76.7	8.2	1.2	3.0	1.9	3.0	1.9	1.7	2.2	.2				15.2	930	2.15	2.00	TRACE	
AUG	67.5	9.8	1.2	3.1	2.3	3.9	3.9	2.4	2.6	.5		.1		20.4	992	3.41	2.96	TRACE	
SEP	77.7	17.3	2.1	5.4	2.9	6.1	4.4	5.8	2.9	.4	.3			30.4	960	4.55	1.35	.48	
OCT	67.5	11.0	1.4	4.2	2.2	3.3	2.6	2.9	2.2	.5	.1			19.6	992	2.93	10.63	TRACE	
NOV	66.1	16.2	2.2	4.4	2.5	3.4	2.6	1.8	.8					17.6	930	1.89	5.04	.01	
DEC	67.5	19.0	2.7	5.8	2.5	1.1	2.5	1.3	.4	.1				14.5	992	1.11	6.70	.02	
ANNUAL	55.2	14.9	2.1	4.7	2.5	3.5	2.8	2.4	1.6	.3	.0	.0		19.9	11495	2.75			

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

1 STATION KINGSVILLE, TX STATION NAME 51-#2 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	90	.5	.2		.1									.3	961	.1	2.3	.0
FEB	90	.2	.1		.1									.2	976	.1	2.2	.0
MAR	100														961	.0	.0	.0
APR	100														970	.0	.0	.0
MAY	100														961	.0	.0	.0
JUN	100														940	.0	.0	.0
JUL	100														939	.0	.0	.0
AUG	100														992	.0	.0	.0
SEP	100														930	.0	.0	.0
OCT	100														992	.0	.0	.0
NOV	99	.2													908	TRACE	TRACE	.0
DEC	99	.2													961	TRACE	TRACE	.0
ANNUAL	99	.1	.1		.1									.0	11294	.2	X	X

NAVWEASERVCOM

4

39657

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SMC DEPT.
 (FROM DAILY OBSERVATIONS)

1772 STATION KINGSVILLE, TX STATION NAME 51-82 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-.30	.31-1.00	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	00.0														961				
FEB	00.0	01													848				
MAR	00.0														961				
APR	00.0														970				
MAY	00.0														961				
JUN	00.0														900				
JUL	00.0														899				
AUG	00.0														992				
SEP	00.0														970				
OCT	00.0														992				
NOV	00.0														900				
DEC	00.0														961				
ANNUAL	00.0	01													11205				

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 KINGSVILLE, TX STATION NAME

51-32 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1						.15		.12	5.84	2.45	.36	.02	
2	.09	.23	.07	.26	.73	.25	1.02	.00	.71	.00	.46	.37	1.72
3	.49	.63	.47	.15	.42	.02	.42	3.17	1.10	1.14	.16	.44	3.17
4	.37	.00	.64	.99	1.15	2.33	.24	.65	.98	1.60		.10	
5	.30	3.41	.06	.23	.84	.33	1.38	.59	3.56	.82	.64	.24	3.46
55	.87	.11	1.21	1.33	2.29	.45	.60	.12	.62	1.30	.40	.30	2.29
57	.10	.75	.89	.95	3.05	1.90	.00	.87	1.74	1.53	1.45	.71	3.05
59	.03	1.66	.14	.13	1.58	1.35		1.16	1.42	2.78	.39	.81	
60	.31	.89	.00	.71	1.06	1.07	1.00	1.20	.37	.80	.65	.73	1.20
61	.81	.40	.59	.39	.50	.85	.85	1.25	.30	2.60	.49	3.47	3.47
62	.48	1.57	.01	1.05	.34	2.29	1.59	1.51	1.07	.08	.36	.40	2.29
63	.56	.24	.45	1.91	.13	1.62	1.37	.75	.72	.19	.44	1.18	1.91
64	.17	.50	.04	.39	.53	.60	.41	.09	1.35	.54	1.62	.24	1.62
65	.29	.73	.19	.79	.68	.88	1.98	.50	.52	.17	.03	.56	1.98
66	.57	1.77	1.11	.21	1.59	1.67	1.69	1.42	.95	1.76	.30	.67	1.67
67	.72	.35	.39	1.25	2.86	2.88	.10	3.61	.71	.61	.05	.41	3.61
68	1.38	.93	.07	.20	1.21	.05	.61	1.25	6.85	1.20	.10	1.06	6.85
69	.36	.69	.48	.51	2.72	1.00	1.78	.87	.46	2.38	.78	.08	2.72
70	.22	1.12	.12	.53	1.23	.39	.10	1.94	3.67	.65	1.62	.39	3.67
71	.69	.55	.68	.14	1.59	3.31	.62	2.58	.77	2.38	.63	.02	3.31
72	.02	.05	.00	1.32	.53	2.88	.13	1.62	2.10	1.13	.11	2.27	2.88
73	.76	3.34	.93	1.09	.93	1.99	2.00	1.17	1.33	.97	.53	.06	3.34
74	1.34	.96	.03	.84	.51	3.50	.73	2.03	5.43	6.04	.06	.03	6.04
75	.51	.00	2.65	.00	.77	.63	.24	.37	1.66	.82	1.16	.27	2.65
76	1.64	.31	.03	.11	1.06	1.25	2.37	1.79	1.04	1.54	.51	.59	2.37
77	.63	.08	.52	5.42	.98	1.01	3.98	.78	1.00	3.28	.99	.46	5.42
78	.46	.50	.27	.89	1.31	1.16	.33	.45	.67	1.20	1.92	.02	1.92
79	.77	.47	.01	.80	1.11	2.24	.65	1.08	1.93	.90	.39	1.45	2.24
80	.48	.29	.63	2.19	1.48	1.30	1.36	.96	1.48	.17	.31	.54	2.19
81	.32	.73	.07	.02	1.75	.12	.96	18.05	1.99	.26	1.83	.16	18.05
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 74 WINDSVILLE, TX 51-42
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1.57	1.12	.84	.98	1.88	2.39	2.07	2.52	.35	3.78	.01	.47	3.78
2	.07	1.86	.17	.94	1.03	.43	.00	1.27	.29	.14	.59	.42	1.36
MEAN	.65	.84	.84	.84	1.27	1.33	1.82	1.63	1.63	1.39	.63	.59	2.78
S. D.	.612	.810	.687	1.018	.932	1.001	.891	2.398	1.628	1.309	.548	.706	2.318
TOTAL OBS.	961	876	961	930	961	960	939	992	960	992	930	992	11008

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION 170 STATION NAME KINGSVILLE, TX YEARS 51-82

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4											.29		PRECIP DAYS
58							.00				29		PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

12 28
STATION

KINGSVILLE, TX
STATION NAME

51-82
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1						.0		.0	.0	.0		.0	
2	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 17 28 KINGSVILLE, TX STATION NAME 51-82 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
#1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
#2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.08	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04
S.D.	.13	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
TOTAL OBS.	961	378	361	361	361	361	361	361	361	361	361	361	361

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

17-24
STATION

KINGSVILLE, TX
STATION NAME

51-82
YEARS

YEARS

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
'1											.0 29		SNOWFALL DAYS
'2				.0 29									SNOWFALL DAYS
'3												.0 30	SNOWFALL DAYS
'4									.0 29		.0 29		SNOWFALL DAYS
'5							.0 18						SNOWFALL DAYS
'6						.0 29							SNOWFALL DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

17 2F
STATION

KINGSVILLE, TX
STATION NAME

51-82
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51								0	0	0			
52	0	0				0	0	0	0	0	0	0	
53	0	0	0	0	0	0	0	0	0	0	0	0	
54	0	0	0	0	0	0	0	0	0	0	0	0	
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1928 STATION KINGSVILLE, TX STATION NAME 51-82 YEARS

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						0					0		SNOW DEPTH DAYS
2				29									SNOW DEPTH DAYS
3												0	SNOW DEPTH DAYS
4									29		29		SNOW DEPTH DAYS
5		0					0						SNOW DEPTH DAYS
6		27					15						SNOW DEPTH DAYS
7						29	30						SNOW DEPTH DAYS
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12928
STATION

ASHEVILLE, TX
STATION NAME

1946-1946 1952-1963
YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.20		7 1977			
2	0.42		11 1977			
3	0.30		10 1966			
4	0.03		77 1958			
5	2.73		69 1958			
6	0.31		8 1959			
7	0.13		3 1961			
8	0.34		9 1966			
9	1.09		38 1967	2.3	58	1967
10	1.60		48 1966			
11	0.77		20 1978	T	T	1973
12	1.00		28 1966			
13	1.39		30 1967	T	T	1963
14	0.24		6 1976			
15	0.25		7 1966			
16	0.43		11 1953			
17	0.87		22 1956	0.1	3	1981
18	0.30		9 1968			
19	1.57		40 1981			
20	0.34		9 1979	0.1	3	1961
21	0.80		20 1966	T	T	1966*
22	1.54		42 1975			
23	2.92		78 1958			
24	0.55		16 1973			
25	0.51		13 1976			
26	0.11		3 1974			
27	0.16		3 1957			
28	0.10		3 1966			
29	0.07		12 1979			
30	0.74		19 1972			
31	0.06		14 1972			
Monthly	1.03		77 1958	2.3	58	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.99		28 1959			
2	0.30		8 1959			
3	0.31		8 1975			
4	1.77		48 1965			
5	3.01		76 1955			
6	0.93		24 1967			
7	0.44		11 1978			
8	0.44		11 1973	1.9	48	1973
9	0.22		6 1977	0.3	8	1973
10	0.69		18 1968			
11	0.86		22 1959			
12	0.79		20 1980	T	T	1960*
13	1.12		26 1969			
14	0.34		9 1969			
15	1.27		32 1963			
16	1.13		28 1961			
17	0.96		24 1973			
18	0.50		12 1963			
19	0.82		21 1962			
20	1.66		42 1968			
21	1.81		31 1968			
22	2.49		12 1967			
23	0.88		28 1960			
24	0.18		9 1965			
25	1.94		27 1962			
26	0.72		18 1969			
27	0.33		9 1969			
28	0.28		8 1967			
29	1.25		28 1972			
30						
31						
Monthly	1.15		48 1972	1.9	48	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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1928
STATION

KINGSVILLE, TX
STATION NAME

1945-1946 1952-1983
YEARS

MARCH
MONTH

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1958			
2	0.17	3	1954			
3	0.07	23	1957			
4	0.18	3	1968			
5	0.64	16	1950			
6	0.68	17	1970			
7	0.08	2	1955			
8	0.10	3	1966			
9	0.02	1	1952			
10	0.34	21	1981			
11	0.78	20	1957			
12	1.02	27	1946			
13	0.10	28	1974			
14	2.19	67	1974			
15	0.63	16	1979			
16	0.19	5	1972			
17	0.01		1980			
18	0.17	3	1960			
19	0.17	4	1960			
20	0.18	4	1957			
21	1.21	31	1956			
22	0.52	13	1976			
23	0.34	9	1983			
24	0.14	4	1977			
25	0.16	3	1974			
26	0.29	7	1974			
27	0.13	3	1977			
28	0.39	10	1966			
29	0.06	2	1982			
30	1.11	26	1965			
31	1.25	47	1945			
Monthly	2.65	67	1974			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1945			
2	0.07	2	1960			
3	0.05	1	1971			
4	5.42	138	1976			
5	0.13	3	1961			
6	0.64	21	1973			
7	0.07	2	1974			
8	1.25	32	1946			
9	0.78	19	1950			
10	0.08	2	1970			
11	0.30	20	1979			
12	0.58	16	1978			
13	0.91	23	1976			
14	0.99	25	1980			
15	0.60	16	1954			
16	0.80	20	1977			
17	0.53	21	1979			
18	0.18	5	1976			
19	0.26	7	1952			
20	1.34	34	1945			
21	1.71	43	1945			
22	0.96	12	1981			
23	1.91	49	1962			
24	0.98	25	1981			
25	1.19	30	1966			
26	0.70	8	1967			
27	1.09	28	1972			
28	0.82	21	1967			
29	2.19	56	1979			
30	0.94	24	1982			
31						
Monthly	5.92	138	1976			

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

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12928

PINGSVILLE, TX

1945-1946 1952-1983

STATION

STATION NAME

YEARS

MAY

JUNE

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.96	24	1966			
2	3.20	50	1956			
3	1.34	34	1981			
4	2.15	55	1968			
5	1.49	38	1966			
6	0.50	13	1983			
7	2.72	69	1968			
8	1.73	44	1980			
9	1.71	43	1977			
10	0.77	20	1974			
11	0.92	23	1968			
12	0.61	16	1975			
13	0.65	17	1976			
14	1.21	31	1967			
15	1.50	38	1970			
16	1.23	31	1969			
17	1.53	39	1958			
18	1.50	38	1965			
19	2.30	59	1966			
20	0.41	10	1966			
21	1.11	28	1978			
22	0.94	24	1980			
23	0.69	18	1982			
24	1.04	27	1975			
25	1.17	30	1981			
26	0.90	23	1976			
27	0.28	7	1956			
28	1.61	41	1983			
29	3.09	78	1981			
30	0.15	4	1970			
31	3.05	77	1957			
Monthly	7.85	88	1981			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.90	48	1957			
2	2.39	61	1981			
3	1.37	35	1979			
4	0.73	19	1968			
5	1.87	47	1965			
6	1.70	43	1983	T	T	1983
7	2.24	57	1978			
8	0.79	20	1972			
9	2.29	58	1961			
10	1.25	32	1975			
11	1.00	26	1961			
12	0.73	19	1973			
13	2.95	75	1973			
14	0.53	14	1959			
15	0.41	10	1972			
16	1.90	48	1972			
17	1.00	26	1972			
18	2.80	71	1966			
19	1.33	34	1965			
20	1.31	33	1957			
21	1.16	29	1977			
22	1.35	34	1980			
23	1.14	29	1977			
24	3.09	78	1981			
25	3.50	89	1973			
26	0.61	16	1971			
27	2.88	73	1971			
28	0.15	4	1970			
29	0.05	2	1978			
30	0.43	11	1982			
31						
Monthly	1.58	60	1973	T	T	1983

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12928 WINGSVILLE, TX
STATION STATION NAME

1945-1986 1951-1983
YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.37	35	1962			
2	0.64	16	1945			
3	0.73	19	1973			
4	0.10	3	1968			
5	1.36	35	1979			
6	2.07	53	1981			
7	0.87	22	1983			
8	0.14	4	1976			
9	2.00	51	1976			
10	1.01	26	1976			
11	1.73	44	1968			
12	0.43	11	1983			
13	1.23	31	1975			
14	1.08	27	1976			
15	0.37	9	1975			
16	0.19	5	1975			
17	1.24	32	1972			
18	0.02	0	1952			
19	1.98	50	1964			
20	0.88	22	1960			
21	2.04	52	1972			
22	1.24	32	1972			
23	1.69	43	1965			
24	1.04	26	1972			
25	1.00	25	1959			
26	1.13	29	1981			
27	0.53	13	1961			
28	0.44	11	1961			
29	0.24	6	1956			
30	0.45	11	1978			
31	0.71	18	1978			
Monthly	1.48	101	1976			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.34	9	1983			
2	1.62	41	1971			
3	2.58	66	1970			
4	1.42	36	1965			
5	0.72	18	1971			
6	1.49	38	1971			
7	1.24	31	1980			
8	1.66	43	1966			
9	3.53	90	1980			
10	15.05	382	1980			
11	1.25	32	1960			
12	0.69	18	1960			
13	0.75	19	1960			
14	0.77	20	1960			
15	1.51	39	1961			
16	1.39	35	1973			
17	0.80	20	1968			
18	0.79	20	1967			
19	1.07	27	1967			
20	2.52	64	1981			
21	1.18	30	1953			
22	1.25	32	1967			
23	0.70	18	1976			
24	0.39	10	1953			
25	1.20	30	1989			
26	1.51	39	1953			
27	3.61	92	1966			
28	3.17	81	1953			
29	1.44	37	1969			
30	1.05	27	1978			
31	1.79	45	1975			
Monthly	15.05	382	1980			

DIRNAVOCEANMET-SMOS

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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1. 02P
STATION

ASHEVILLE, TX
STATION NAME

1945-1946 1951-1983
YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.74	26	1975			
2	0.07	25	1967			
3	1.70	33	1967			
4	1.10	28	1953			
5	1.20	30	1951			
6	3.56	91	1955			
7	1.76	45	1955			
8	1.42	36	1958			
9	1.42	36	1979			
10	3.67	93	1969			
11	0.10	53	1971			
12	0.07	25	1971			
13	5.84	148	1951			
14	7.43	138	1973			
15	0.85	22	1951			
16	0.53	13	1967			
17	1.00	25	1976			
18	0.02	51	1971			
19	1.13	29	1967			
20	6.55	170	1967			
21	0.37	62	1967			
22	0.53	115	1967			
23	1.43	49	1978			
24	1.33	34	1972			
25	0.55	20	1965			
26	1.09	51	1980			
27	2.42	61	1973			
28	0.33	0	1971			
29	0.44	11	1971			
30	0.40	10	1980			
31						
Monthly	6.05	170	1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.39	10	1965			
2	0.58	14	1965			
3	0.98	25	1977			
4	3.00	76	1945			
5	3.13	80	1976			
6	0.69	18	1954			
7	1.20	30	1967			
8	1.13	29	1971			
9	1.73	39	1957			
10	0.71	18	1958			
11	6.74	153	1973			
12	1.72	44	1973			
13	0.67	17	1973			
14	0.67	17	1958			
15	2.75	71	1958			
16	1.54	39	1967			
17	1.50	38	1960			
18	1.76	45	1965			
19	0.61	15	1965			
20	0.33	8	1983			
21	0.28	22	1983			
22	3.78	96	1981			
23	2.45	62	1951			
24	2.00	51	1967			
25	1.54	39	1975			
26	0.91	23	1975			
27	3.28	83	1976			
28	1.03	36	1976			
29	1.43	36	1975			
30	0.40	10	1960			
31	1.16	29	1981			
Monthly	6.04	153	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

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1. 02 KINGSVILLE, TX
STATION STATION NAME

1945-1946 1951-1983
YEARS

NOVEMBER
MONTH

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.02	49	1977			
2	0.67	16	1977			
3	0.71	13	1975			
4	0.40	10	1956			
5	0.77	10	1978			
6	1.71	38	1983			
7	0.14	4	1955			
8	0.55	14	1955			
9	0.50	13	1983			
10	0.77	19	1957			
11	1.04	37	1957			
12	0.31	8	1976			
13	0.11	5	1961			
14	0.00	2	1959			
15	0.11	5	1956			
16	0.31	8	1976			
17	0.67	25	1976			
18	0.67	24	1976			
19	0.67	18	1976			
20	0.70	5	1975			
21	1.11	29	1980			
22	0.31	9	1960			
23	0.67	13	1972			
24	0.11	30	1974			
25	1.93	46	1980			
26	0.50	15	1969			
27	1.02	41	1963			
28	0.50	25	1976	T	T	1976
29	0.00	2	1952	T	T	1976
30	0.70	20	1968			
31						
Monthly	1.02	49	1977		T	1976

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1955			
2	0.67	17	1965			
3	0.31	5	1965			
4	0.37	9	1971			
5	0.39	10	1969			
6	0.35	9	1967			
7	1.06	27	1967			
8	0.54	14	1964			
9	0.31	8	1964			
10	0.48	12	1964			
11	0.14	4	1953			
12	2.27	58	1971			
13	0.46	12	1979			
14	0.54	14	1979			
15	0.59	15	1975			
16	0.41	10	1966			
17	0.30	8	1965			
18	0.30	8	1956	T	T	1969
19	0.29	7	1983			
20	0.08	2	1963			
21	0.08	2	1968			
22	0.04	1	1976	T	T	1983
23	1.18	30	1962	T	T	1983
24	0.29	7	1975	T	T	1983
25	0.55	14	1958			
26	1.47	37	1978			
27	0.26	7	1952			
28	3.47	88	1960			
29	0.32	8	1969			
30	0.81	21	1958	T	T	1969
31	0.73	19	1959			
Monthly	3.47	88	1960	T	T	1983

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

DIRNAVOCEANMET-3MOS

WOCN, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

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

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

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

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

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

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION 1-28 KINGSVILLE, TX STATION NAME 1-56, 58-82 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													N 69
2	46NW	53N	69SE	65NW	55SE	46E	43SE	38E	37N	38NE	52NW	45	NW 50
3	50NW	41NW	40NW	46SE	40SE	39SE	42SE	42NE	46NW	34NW	36SW	46	NW 50
4	41NW	47NE	45SE	42N	49SE	48							NW 35
5	43	NNE 41		ESE	36NW	37SE	32E	28NE	36N	54NW	40NW	30	
6	NNE	36NE	38NW	60SE	38NE	51SE	36SE	40					
7							55E	32SE	31SE	29NW		35NW	40
8			NNE 41				N 37		N 37	N 37	NE 37	42	
9	55E	30NW	43SE	35N	56NE	46SE	30NE	34SE	30N	45NW	45NE	35SE	30
10	N	35NW	40S	51S	56N	42NW	38SE	32		SE	30NW	39NE	26
11	NNE	31SE	26NE	32N	36SE	34NW	35SE	27W	31SW	29SE	24NE	32N	26
12	NW	31N	31N	31SE	30SE	25SE	25SE	25SE	21NE	23E	21W	28	26
13	N	28N	30N	36SE	27SE	26SE	32E	26SE	28NE	27NE	27N	29	29
14	N	30NW	39W	29W	31SE	35SE	35E	35E	28SE	30W	28SW	23N	31
15	N	33S	30NE	34SE	35N	46E	38SE	27SE	30N	41N	36N	36N	30
16	N	34W	39N	33SE	32SE	30SE	29E	34SE	32SE	79N	37N	34N	30
17	N	32N	34W	36NE	38NE	37SW	30W	42SE	38W	50SE	31N	35N	36
18	N	31SE	33NW	37SE	33E	39SE	33S	33E	33S	30S	32		NW 43
19	N	33N	31SE	31N	36SE	34NE	36SE	28SW	47SE	34N	36NE	41NE	31
20	SE	36SW	42SE	39E	34SE	30E	33E	36E	35E	37E	30E	36E	41
21	01	3405	6201	4015	4104	3905	2717	3615	3019	3106	2900	3403	33
22	20	3906	3104	3610	3908	3006	3917	3612	3703	35		33	41
23	15	3102	4204	4214	3304	3701	3013	2812	2715	2803	2906	3117	24
24	34	3303	3403	3701	3104	3404	3108	4215	2404	2319	2517	3502	31
25	01	3905	2906	2905	4900	4108	2918	3004	2404	2405	2405	2703	25
26	36	2404	3504	2915	2913	2804	33	11	2500	3004	3004	2917	28
27	37	3504	3312	2913	2916	2705	2712	2613	2712	2112	2114	2317	27
28	29	3501	2703	2905	3100	3211	2704	2703	3108	4810	3218	3614	37
29	01	3005	3504	3701	3002	4804	30	44	7011	2802	3101	3518	27
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

17 27 STATION KINGSVILLE, TX STATION NAME 51-56, 58-82 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
1	17	2514	4014	3236	3229	4714	3286	3013	2508	2403	2986	3201	26	29 47
2	15	3234	3935	2832	2916	3029	3313	3133	3514	3016	2786	4917	36	36 49
MEAN	34.2	37.3	38.1	36.4	38.4	34.7	37.8	33.8	35.8	31.7	34.8	37.7	34.5	34.5
S.D.	5.78	6.086	9.689	7.816	7.938	6.580	6.819	6.340	7.283	6.948	6.198	6.787	6.787	6.787
TOTAL OBS.	661	762	897	809	852	833	809	830	777	837	778	892	892	892

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

17827
STATION

KINGSVILLE, TX
STATION NAME

51-56, 58-62
YEARS

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

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						0		0	0	0	0	40 24	WINDS DAYS
54							SF 36 14	0	0	0	0		WINDS DAYS
55		N 37 22		ESE 33 25									WINDS DAYS
56												0	WINDS DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
58	0	0	0	0	0	0							WINDS DAYS
59	ENE 31 19	NNE 27 16		NNW 36 22	0	0	SSW 28 2		SF 31 24				WINDS DAYS
61								ENE 37 25	NNW 68 23				WINDS DAYS
69											39 26		WINDS DAYS
73										52 27	37 18	36 18	WINDS DAYS
77							20 9						WINDS DAYS
80							36 27						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

1776 STATION NO. KINGSVILLE, TX STATION NAME 23-82 YEAR 1958 MONTH JAN
 ALL WEATHER
 HOURS (L.S.T.) 00

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	7.2	6.3	6.3	3.6	.6	.7						17.8	7.9
NNE	1.6	3.5	3.5	1.8	.7							10.6	7.2
NE	1.6	1.7	1.5									6.5	6.3
NNE	.5	1.6										2.3	6.3
E	2.3	.6	.6									3.5	3.8
ESE	1.4	1.7		.3								3.2	3.6
SE	.6	2.6	2.6									6.2	6.2
ESE	3.1	3.2	3.5	.6	.3							13.3	6.1
S	2.2	2.2	2.3	.6								6.7	3.8
SE	.7	2.3										2.6	6.8
SE	.6	1.7										1.6	6.2
WSW	.6	.3										1.0	3.0
W	1.6		.6									1.6	6.0
WSW	.3		.3									.6	6.3
SW	.7	1.3	1.7	.3								2.9	6.2
SSW	1.8	2.3	3.2	1.0	.3							6.7	7.3
VARS													
CALM	X X X X X X X X X X X X											13.5	
	21.6	28.8	28.5	6.1	1.6	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-26 73-82 JAN
ASHEVILLE, TN STATION NAME YEAR MONTH
ALL WEATHER
DAY
MONTH (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.2	8.5	7.1	5.2	1.0							71.3	8.8
NNE	1.3	8.2	8.2	1.0								11.3	4.6
NE	7	1.6	1.8									3.9	4.7
NNE	6	3										1.0	1.0
E	6	6										1.3	2.4
ESE	1.3	6	1.0									2.9	4.8
SE	1.0	6	6	3								2.6	6.0
SSE	2.2	2.2	2.6		3							8.1	5.6
S	1.3	2.6	1.8	1.3								7.1	4.6
SSW	6	1	3									1.2	8.2
SW	3	3										6	3.5
WSW	1.3	6										1.6	3.0
W	1.2	3	3									1.9	2.8
WWW	3	6	3		3							1.6	8.0
NW	6	1.6	1.6	3	3							8.8	7.0
NNW	3.0	2.2	2.3	1.3	3							10.3	6.2
VARB													
CALM												16.1	
	22.3	28.6	28.2	8.8	7.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 110

8808

U.S. GPO 1964-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12226 RYANSVILLE, TX 73-82 JAN
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
DESCRIPTION
06
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	0.0	0.0	0.1	0.5								20.8	7.0
NNE	2.7	3.7	0.5	1.6								12.3	7.1
NE	1.0	1.7	0.6	0.3								2.9	5.0
NNE	0.5			0.7								1.0	0.3
E	1.7											3.1	2.0
ESE	0.3	1.3	0.3									1.3	3.2
SE	1.7	0.6	1.9									3.2	0.0
SSE	1.7	0.2	0.6	1.0	0.3							7.1	0.8
S	1.0	1.7	2.3	1.7								6.1	0.9
SSW	0.0	0.6										1.3	1.0
SW	1.0	0.6										1.6	2.8
WSW	0.7	0.7										0.6	1.0
W	1.9		0.3									2.3	1.3
WW		1.6	0.3	0.6								2.6	7.5
NW	1.9	2.3	1.7	1.0								6.1	5.9
NNW	0.0	2.0	2.9	1.2								13.5	0.7
VARS													
CALM												18.0	
	20.2	27.7	22.8	11.9	0.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 110

8800

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

1 26 KINGSVILLE, TX 73-82 15H

ALL WEATHER

09
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	≥66	%	MEAN WIND SPEED
N	2.3	4.8	1.0	3.3	1.0							28.8	8.2
NNE	1.7	3.4	6.5	1.8	3							13.6	7.8
NE	1.4	1.4	1.4	1.4								5.8	7.7
NNE	1.7	1.4	1.4									2.4	6.8
E	1.7	1.0	1									2.4	1.4
ESE	1.0	1.4	1									3.2	6.8
SE	1.4	1.7	2.3	1.7								5.2	7.1
ESE	1.4	1.4	2.4	1								8.8	7.2
S	1.7	1.7	2.4	2.3								7.8	8.8
SSE	1.0	1.7	1									2.4	6.8
SE													
SSE	1.1	1										1.1	7.3
W	1		1									1	3.8
WSW	1	1.4	1.4	1.4								2.4	7.4
SW	1.0	1.3	1.3	1.0	1.4							5.2	8.8
WSW	2.3	2.3	1.4	2.9		1						13.8	6.2
WSSW													
CALM	X											9.1	
	17.2	21.1	33.8	18.8	1.8	1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 108

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

17-24 KINGSVILLE, TX 73-82 JAN
STATION NAME YEAR MONTH
ALL-WEATHER
CLASS
NUMBER (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	.2	5.2	7.8	3.2	1.9							18.5	9.8
NNE	.3	1.7	6.2	3.6	.3							12.3	9.1
NE	1.6	1.6	2.6	1.3								7.1	7.0
NNE	.2	1.3	1.7	.3								2.9	6.6
E	.6	1.3	1.7									2.9	9.2
ESE	.2	.3	.6									1.3	8.8
SE	.6	.6	.6	1.2								5.2	11.0
ESE	1.3	1.7	1.9	2.6	.3							8.1	9.1
S	.6	1.3	2.7	5.2	1.6	.3						12.0	12.1
SSE	.6	.6	1.7	2.3								8.5	4.4
SW	1.9	.3	.3									1.5	8.8
WSW	.2	.3	.3									1.0	5.3
W	.2	.6	.3									2.3	11.0
WSW	.7	.6		.3	.3	.6						8.2	11.2
W		.6	1.3	1.9	.3							12.7	9.7
WSW	1.6	1.9	8.5	3.6	.6	.3						12.7	9.7
YALE													
CALM												3.2	
	17.1	20.1	32.1	27.6	8.8	1.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 108

8800

NLS. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-78 STATION KINGSVILLE, TX STATION NAME 77-82 YEAR 1978
 ALL WEATHER MONTH (L.S.T.) 15
 OBSERVED

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	1.1	5.5	8.5	8.5	2.6							18.8	9.5
NNE		2.6	8.5	1.7								10.7	8.8
NE		1.7	1.7	1.7								3.9	8.8
NNE		1.7	1.7	.6								8.9	8.1
E		1.6	1.6									3.9	5.8
ESE		.3	1.6	.6	.3							1.2	10.8
SE		1.6	2.6	8.8	.6							12.7	10.8
SSE		1.6	1.6	1.6	1.3							7.1	10.1
S		2.6	2.6	8.3	.3	.3						10.7	10.8
SSW		.6	.6	.6								2.3	7.1
SW		1.6										1.0	8.7
WSW		.3										.6	8.0
W		.3	.3	.3		.7						1.3	11.0
WNW	1.1	.6	.3									2.3	8.0
NW	.7	1.1	1.1	1.3	.6	.7						8.7	10.5
NNW	.6	1.6	8.2	1.6	.6	.3						11.7	10.0
VARIABLE													
CALM												2.6	
	7.8	21.6	21.7	26.8	6.8	1.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 309

U.S. GPO 1964-741-348/201

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10000 ASHEVILLE, TX 73-82 JAN
 STATION NAME YEAR MONTH
ALL LEAVER
 CLASS
 NUMBER (L.S.T.) 18

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	1.0	1.0	1.0	5.0	.0	.0						10.0	9.1
NNE	.0	2.0	2.0	1.0								5.0	5.7
NE	.0	2.0	1.0	.0								3.0	5.8
NNE	1.0	2.0	1.0									4.0	5.9
E	1.0	5.0	2.0	.0								8.0	5.8
ESE	1.0	4.0	4.0	1.0								10.0	6.8
SE		2.0	3.0	5.0	.0							10.0	9.9
ESE	.0	2.0	2.0	2.0	.0							6.0	9.5
S	.0	1.0	.0	.0	.0							3.0	7.8
SEW	.0				.0							.0	1.0
SW				.0								.0	1.0
WSW	.0											.0	2.0
W	.0	.0										.0	4.8
WSW	.0	.0	.0									1.0	8.0
SW		.0	.0		.0							1.0	9.8
WSW	.0	.0	1.0	2.0								3.0	9.2
W												3.0	
CALM												3.0	
	1.0	10.0	11.0	20.0	2.0	.0						50.0	7.8

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 KINGSVILLE, TX YEAR 1962 MONTH JAN
 STATION NAME ALL WEATHER NUMBER (L.S.T.) 21
 COMMENTS _____

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	1.3	3.3	5.3	3.3	.3							15.2	8.3
NNE	1.3	2.3	3.5	1.9								13.3	6.8
NE	1.3	2.6	1.6	.3								6.2	5.7
NNE	1.3	1.7	.6									3.5	1.8
E	2.2	1.7	1.6									6.2	4.0
ESE	3.5	2.0	.7	.6								7.7	4.8
SE	1.2	3.5	6.5	1.3	.3							18.2	6.2
SSE	1.3	4.5	3.5	1.6								10.6	6.8
S	1.3	4.7	.6									6.5	4.6
SSW	.7	.6										1.3	4.7
SW	.7											.7	2.0
WSW													
W													
WNW		.7	.3		.3							1.0	11.3
NW	.7	1.0	.6	.3								2.3	4.9
NNW	.7	.6	1.9	1.6								6.5	3.5
VARIABLE													
CALM												6.1	
	21.3	30.6	28.5	11.0	1.0							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 332

8808

NWS GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION KINGSVILLE, TX STATION NAME 73-82 YEAR JAN
 CLASS ALL WEATHER MONTH JAN
 CONDITION 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	2.0	4.0	5.0	9.2	1.0	.1						19.4	8.5
NNE	1.0	3.2	3.0	2.1	.1							11.8	7.5
NE	1.2	1.0	1.0	.6								5.2	6.6
NNE	.1	1.1	.1	.2								2.5	5.8
E	1.0	1.0	1.0	.0								4.0	4.7
ESE	1.0	1.0	1.1	.3	.3							4.8	5.8
SE	1.1	1.0	2.0	2.0	.2							7.8	8.2
ESE	1.0	2.7	2.0	1.2	.8							8.2	7.5
S	1.2	2.3	2.0	1.9	.3	.1						7.8	8.3
SW	.1	.1	.3	.8								2.1	4.1
SW	.1	.1	.1	.0								.4	4.2
WSW	.1	.2	.1	.0								.7	3.1
W	.2	.2	.3	.1		.1						1.4	4.7
WNW	.4	.6	.3	.2	.1	.1						1.7	7.9
NW	.6	1.2	1.1	.8	.3	.2						4.2	8.2
NNW	2.7	1.0	1.1	2.9	.2	.1						9.2	8.2
VARS													
CALM												3.0	
	17.5	21.2	28.0	16.8	2.7	.8						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2478

8808

U.S. GPO 1964:741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME ASHEVILLE, TN YEAR 73-82 MONTH FEB

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	≥66	%	MEAN WIND SPEED
N		5.7	6.4	2.1								10.3	7.3
NNE	1.1	3.2	3.5									10.6	5.5
NE		1.1	1.1									3.2	6.7
NNE	1.1											1.1	5.5
E		1.1										5.0	3.2
ESE		1.1	1.1									5.3	6.7
SE		5.7	2.1									11.7	5.9
SSE	1.1	3.2	2.1	2.1								10.3	6.9
S		3.2	3.2	7.3								10.6	5.8
SSW	1.1	1.1										2.1	3.9
SW		1.1										2.1	6.0
WSW	1.1											1.1	2.4
W												1.1	3.0
WNW												1.1	2.0
NW		1.1	7.3									2.1	5.2
NNW		1.1	1.1	1.1								6.6	1.1
VARS													
CALM												9.9	
	2	10.1	25.2	7.4		7						100	5.4

TOTAL NUMBER OF OBSERVATIONS 742

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1102- KINGSVILLE, TX STATION NAME 13-82 YEAR FEB MONTH 03

CLASS ALL WEATHER (L.S.T.)

DESCRIPTION

SPEED (KNTS) DIR.	1-3	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	9.2	5.8	1.1		.4						20.9	6.1
NNE	1.1	2.1	2.8	1.1								8.5	5.3
N E	1.1	2.1	.8	.8								3.9	5.6
ENE	1.1	.7	.7									2.8	4.9
E	3.1	1.8	.8									5.3	3.3
ESE	.1	1.1	1.1									2.3	4.7
SE	.7	3.2	1.1	.8								5.3	5.7
SSE	2.1	3.1	3.3	.8								10.6	5.8
S	1.1	1.1	2.1	.8								6.0	5.8
SSW		.1	.6									.7	5.5
SW	.7	.1										1.4	3.8
WSW	7.7											2.3	1.8
W	1.1	1.4	.8									3.2	3.6
WNW	1.1	1.1										2.1	3.5
NW	1.1	2.1	.7		.8							5.0	5.6
NNW	1.1	1.1	1.4	1.4		.4						6.0	5.1
VARIABLE													
CALM												18.0	
	24.8	37.0	21.6	5.0	.8	.7						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 282

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 ASHEVILLE, TN STATION NAME ASHEVILLE YEAR 71-82 PER MONTH

ALL WEATHER

SEA

SEA

SEA

SEA

FORM 16-71

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	1.1	2.4	4.0	2.1	.7							10.5	7.3
NNE	2.0	4.7	3.2	1.4								11.3	6.3
NE	1.1	1.1	1.1	.7								7.5	7.1
NNE	1.1		.7									2.5	6.3
E	3.5	.7										4.3	2.8
ESE	2.0	1.8	.7									5.1	3.9
SE	1.1	.7	1.1	.7								6.6	5.4
SSE	1.4	2.1	.7	.4								6.6	5.2
S	.7	2.1	2.6	.4								5.7	5.9
SSW	.7	1.4										2.3	6.4
SW		.4										.4	6.0
WSW	1.1											2.1	2.0
W	1.7	1.8	.4									3.9	4.2
WWSW	1.4	.7	.4									2.5	3.4
NW	2.1	2.5	.7	.4	.4							6.2	5.4
NNW	1.2	1.4	2.1	1.1	.7							8.5	7.0
VARBL													
CALM												12.4	
	27.7	31.4	19.5	7.1	1.8							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 782

8805

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

10726 HIGGSVILLE, TX 11-82 PER
STATION STATION NAME YEAR MONTHS
ALL WEATHER CLASS
C9
FORM (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	2.5	5.3	7.5	6.8	.8							22.8	4.7
NNE	.7	2.5	6.8	1.8	.8							11.7	8.3
N E	.7	1.1	1.8	1.1								8.3	7.8
N E	1.1	1.1	.4	.7								3.8	5.9
E	.7	1.8	.4									2.8	8.8
ESE	.4	1.1	1.1									3.7	8.8
SE	.4	2.5	3.9	.7	.7							8.2	8.7
SSE	1.1	1.1	1.1	2.1	.8							7.8	7.7
S	1.1	3.2	5.3	1.1								10.7	7.8
SSW	.7	1.1	.4									2.1	8.3
SW		.4										.4	8.0
WSW	.7		.4									.7	8.8
W	.7	.7										1.9	3.3
WSW			1.1	.8	.8							2.1	10.5
W	1.1	.7	1.1		.8							3.7	7.2
WNW	1.1	1.1	1.1	2.8	1.1							7.8	10.0
VAR													
CALM	X	X	X	X	X	X	X	X	X	X	X	6.8	
	18.6	28.6	33.1	17.8	3.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 281

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

1-23 KINGSMILLE, KY 73-82 SEA
STATION NAME YEAR
ALL WEATHER
NUMBER (U.S.T.) 17
CONDITION

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	2.1	2.1	4.4	5.0	1.8							16.0	9.4
NNE	.7	2.1	3.5	2.8								9.2	8.5
NE	.4		2.8	3.8	.8							8.7	10.4
NNE	.7	1.1	1.6	1.1								8.4	8.2
E		.4	2.1	.4								2.8	8.3
ESE		.7	1.1	1.1	.8							1.2	11.0
SE	.4	.7	1.8	3.2								6.7	8.8
ESE		1.1	2.2	5.7	1.1							11.1	11.5
S	1.1	1.1	3.0	4.7	1.8							13.5	10.1
SSW		1.1	2.2	2.1								7.8	9.1
SW													
WSW	.4		.4									.7	6.0
W	.4	.7	.4	.4	.4							2.1	8.2
WNW	.4	.4	.4	.4			.4					1.4	11.8
NW	.4	1.4	1.4	.7								3.8	7.6
NNW	.7	.7	2.1	3.8	1.8							8.2	12.0
VARIABLE													
CALM												2.1	
	4.5	10.5	18.8	13.0	7.1							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 172

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10978
STATION

ASHEVILLE, TN
OFFICE NAME

77-82
YEAR

FE8
MONTH

ALL WEATHER
OBSERVATION

15
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	1.4	1.1	2.0	1.9	2.8							17.8	10.3
NNE	.7	1.1	2.5	1.6								8.7	8.1
NE		1.4	1.6	.7	.8							1.9	9.2
NNE	.4	.8	2.5	1.1								8.3	8.9
E	1.1	2.1	2.8	.7								4.7	6.9
ESE		1.4	1.6	8.6	.8							2.7	10.8
SE	.4	1.1	1.2	6.7	1.8							12.3	11.9
ESE	.4	2.5	1.8	5.7	1.8	.8						11.7	11.8
S		.7	1.2	1.1		.8						5.3	9.8
SSE		.7	1.6	.8								2.8	7.5
SW	1.4	1.1	.7									1.2	8.8
WSW	.4		.8									.7	5.0
W	.8		1.1		.7		.8					2.3	13.8
WSW	.8		.8	1.1	.8							2.1	12.0
WSW	.8	1.8	1.6	1.8	.8							1.3	9.8
WSW	.7	.7	2.8	2.1	.8							8.7	9.9
VARB													
CALM												.7	
	8.5	14.3	18.8	30.5	8.8	.7	.8					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 282

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

1-778 STATION KINGSVILLE, TX STATION NAME 77-87 YEAR FEB MONTH

ALL WEATHER

OBSTACLE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.5	4.2	4.7	1.8							17.3	10.1
NNE	1.4	1.2	2.5	.7								6.8	4.8
NE	1.1	1.1	1.1	.8								3.5	4.2
NNE	1.1	2.5	2.1	1.4								7.1	7.1
E		1.2	5.3	.8								7.8	7.8
ESE	.7	3.5	7.8	6.7	.8							18.1	9.2
SE			5.7	7.4	1.8							14.5	11.6
ESE			3.1	6.7	.8							9.6	12.3
S		.7	.7	.8								2.5	6.8
SEW		.7										.7	5.0
SW													
WSW													
W													
WSW	.4		1.1		.8							1.8	2.8
W	.4	.7	2.1	1.1								4.3	4.8
WSW		1.4	1.8	.7	.8							3.5	2.1
VARB													
CALM												1.3	
	1.0	17.0	40.8	30.1	8.3	.8						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 282

8808

U.S. GPO 1964-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1978 KTNBVILLE, TN 71-82 FEB
STATION NAME YEAR MONTH
ALL WEATHER
21
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	1.1	3.1	5.7	2.8	1.1							18.5	3.8
NNE	1.1	2.5	2.5	.8								8.2	3.8
NE	1.1	2.1	1.8	.8								5.0	4.1
NNE	2.1	2.1	.8	.7								5.7	4.8
E	1.2	3.2		.8								8.7	3.9
ESE	3.2	8.7	2.5									13.7	8.7
SE	1.2	.8	8.9	1.1								20.2	8.8
SSE	1.1	8.7	8.3	2.1								12.8	7.8
S	.8	1.8	.7	.8								2.8	8.8
SSW	.8	.8	.8									.7	4.8
SW													
WSW	.7	.8										1.1	3.8
W	.7	.7										.7	8.8
WWW	.7	.8										1.1	3.0
WV		.8										.8	8.0
WSW	.7	.8	1.8	.8	.8							3.2	2.1
VARS													
CALM												5.7	
	21.8	35.1	28.0	8.5	1.8							108.0	8.0

TOTAL NUMBER OF OBSERVATIONS 288

8808

U.S. GPO 1984-741-248/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 222 KINGSVILLE, TX 73-83 FEB
STATION NAME YEAR MONTH
ALL WEATHER ALL
SPECIFIC MONTHS (Y, N)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	5.0	6.8	3.8	1.1	.1						18.0	8.8
NNE	1.4	2.7	2.8	1.2	.0							8.0	6.8
NE	.4	1.7	1.8	.6	.1							4.2	7.3
NNE	1.2	1.1	1.1	.7								4.0	6.8
E	1.0	1.4	1.8	.2								5.1	5.2
ESE	1.4	2.0	2.1	1.6	.1							7.4	7.2
SE	1.4	2.5	3.8	2.7	.8	.0						10.4	8.5
ESE	1.2	2.8	2.4	1.1	.8	.7						9.4	8.8
S	1.2	1.4	2.8	1.1	.3	.0						7.1	7.4
SEW	.4	1.0	.4	.1								2.5	6.8
SW	.4	.4	.1									.2	8.8
WSW	1.0	.1	.1									1.2	2.8
W	.4	.7	.1	.0	.1		.1					1.8	4.1
WW	.4	.1	.4	.2	.1		.7					1.7	7.4
WNW	.8	1.3	1.0	.8	.2							3.4	7.1
NNW	1.1	1.0	1.8	1.7	.6	.1						6.3	9.8
VARS													
CALM												6.3	
	17.7	28.3	29.4	17.8	3.8	.7	.1					108.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2258

U.S. GPO 1964-741-348-201

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17-22
STATION

RIAGSVILLE, TX

STATION NAME

73-82

YEAR

MAR

MONTH

ALL WEATHER
CLASS

00

GROUP (L.S.V.)

COMMENT

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	2.0	1.9	2.3	1.6	1.0							2.8	7.7
NNE	1.7	2.3	2.6	1.3								7.7	7.1
NE	1.0	1.6	1.6									2.8	8.3
NNE	1.6	1.6	1.0									8.2	8.5
E	1.3	2.6	1.0									5.6	8.8
ESE	1.0	3.2	1.3	1.3								8.7	5.9
SE	1.0	6.5	7.1	3.5	1.3							19.8	7.7
ESE	1.0	3.7	6.8	3.2	1.3							16.1	8.2
S	1.3	3.0	2.9	1.9								10.0	7.0
SSE	1.0											1.0	2.7
SE	1.0	1.6										1.6	3.8
WSW	1.0	1.3										1.3	2.8
W	1.0											1.0	2.0
WSW	1.0											1.0	3.0
NW	1.3	1.3										1.6	8.2
NNW	1.0	1.0	1.0	1.0								3.9	7.3
VARS												6.5	
CALM													
	21.9	28.7	26.5	13.9	1.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-24 DATE: 11-22 STATION NAME: WINDSVILLE, TX YEAR: 1962 MAG: NORTH
 ALL WEATHER CASE
 HOURS (L.S.T.): 07
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.2	2.6	1.3	1.1							8.7	8.8
NNE	1.1	1.6	3.2	1.9	1.3							8.8	7.5
NE		1.9	1.1									2.5	8.3
NNE	1.1	1.1	1.1	1.1								3.2	5.1
E	1.2	2.6	1.1	1.6								8.8	6.1
ESE	1.2	1.6	1.9	1.1								7.1	5.1
SE	1.1	4.2	5.2	3.2	1.6							15.2	8.2
ESE	1.3	4.5	7.1	1.9								18.8	7.5
S	1.1	2.3	2.6	1.1	1.3							6.1	7.0
SEW		1.1										2.3	8.3
SW			1.1									1.1	6.0
WSW		1.1										1.1	8.5
W	1.1	1.1										2.6	3.8
WSW		1.1										1.0	8.3
W	1.1	1.1										1.1	2.5
WSW		1.1	1.1	1.0								3.1	7.6
VARS													
CALM												12.3	
	20.1	30.0	28.2	11.0	2.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

17-28 STATION KINGSVILLE, TX STATION NAME 73-A2 YEARS MONTH 06
 ALL WEATHER CLASS HOUR(S) (L.S.T.) 06
 OBSERVATION

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	3.5	5.7	8.2	7.9								16.1	7.0
NNE	1.5	3.2	1.3	.6								6.3	6.3
NE		.3	.6	.7								1.2	6.8
NNE	1.0	2.3	.3	.3								4.2	4.8
E	2.0	3.2	1.0									7.1	4.0
ESE	3.0	8.2	2.6									10.3	5.0
SE	.3	3.2	3.9	2.9								12.3	7.8
SSE	1.0	2.0	3.1	2.3								9.7	7.8
S		1.0	3.2	.6								5.2	6.1
SSW	1.0	.4										1.6	3.8
SW	1.0											1.6	2.0
WSW	1.0											1.6	2.6
W	1.5	1.0	.7									2.2	3.9
WW	1.0	.3		.3								1.6	9.2
NW	2.2	.6	.6									4.2	3.8
NNW	1.6	.3	.6	1.0	.3							3.9	7.7
VARS													
CALM												8.4	
	27.1	30.1	22.3	11.3	.3	.3						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 KINGSVILLE, TX STATION NAME 11-61 YEARS MAJ
ALL WEATHER MONTH OR
 IDENTIFICATION MOON (L.S.V.)

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	3.0	2.6	1.6	.3						13.0	10.7
NNE	1	2.0	3.5	2.3	.3							9.4	9.0
NE		1.4	1.0	1.6								4.8	4.7
NNE		1.0	.6	1.0								3.2	4.2
E		2.6	2.6	.3								5.2	7.1
ESE	1.0	2.3	2.4	1.3								7.8	7.6
SE		2.0	4.5	4.5								13.3	9.8
SSE		1.6	3.9	6.1		.3						12.6	10.8
S		1.6	4.8	1.8	.6							10.0	8.9
SSW		.1	1.0									2.3	5.1
SW		2.3		.3								2.7	5.3
WSW		.4										1.0	3.7
W	1.0	.3	.3	.3								1.7	5.7
WWW			.3	.3								1.0	5.7
NW		.6	1.3	.6		.3						3.2	10.1
NNW		1.0	2.4	1.3	.3							6.1	8.7
VARB													
CALM												3.4	
	1.1	24.2	33.5	24.5	2.9	1.0						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 110

8808

U.S. GPO 1964-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION KINGSVILLE, TX STATION NAME KINGSVILLE, TX YEARS 1982 MONTH MAR
 CLASS ALL WEATHER MONTH 1
 HOURS (L.S.T.) 0000-2300
 CONDITION

SPEED (KNTS) DIR.	1-3	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	1.0	.6	.3						7.1	10.6
NNE		1.1	3.5	2.6	.3							7.7	9.6
NE		1.6	1.6	1.0								8.5	7.9
NNE		.4	1.7	1.0								3.2	5.6
E		1.3	2.2	2.3								7.1	9.0
ESE		1.7	5.2	2.9	1.3							11.0	10.0
SE		1.0	3.0	8.1	1.2							14.0	12.3
SSE		1.0	2.0	8.2	1.3							10.6	11.3
S		1.4	3.2	3.9	1.6							11.0	10.9
SSW		1.0	1.3	.3	.3							3.0	7.8
SW			1.0									1.0	9.0
WSW		.6	.3									1.0	8.3
W					.2							1.0	9.0
WWW		1.0	1.0	.3								2.3	7.6
NW		.6	1.3	1.2	.3	.6						8.2	12.5
NNW		.6	2.6	1.2	.3							7.1	10.1
VARS													
CALM												1.0	
	5.2	16.1	18.2	33.5	3.8	1.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 310

BR08

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, NC STATION NAME ASHEVILLE YEARS 7-87 NAVY
ALL WEATHER NORTH
COMDTN HOUSE (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		1.2	2.0	1.6	0.6							8.7	8.8
NNE		1.2	1.3	1.3								4.2	5.3
NE		1.1	2.6	0.3								4.2	5.7
ENE				1.7								4.5	5.4
E			5.5	2.3								4.1	5.5
ESE		1.3	3.2	2.4	1.3							15.8	11.8
SE		0.6	2.2	11.6	2.6	1.7						19.7	13.8
SSE	1.0	0.6	2.3	1.2	1.3							9.8	11.2
S			1.7	1.3	0.3							4.2	9.5
SSW			1.0	0.3	0.3							1.2	10.3
SW			0.3									1.0	8.7
WSW												1.0	2.7
W		0.3		0.7								1.0	7.7
WNW			0.4	0.3	0.7							1.0	8.8
NW		0.3	1.0	1.2	0.3							5.2	11.9
NNW	1.0	0.7	1.3	1.2	0.3							7.2	10.7
VARBL													
CALM												2.3	
	1.0	10.6	20.0	40.6	7.4	1.0						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 310

SMO:

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION MT. GSWILLE, TN STATION NAME MT. GSWILLE YEARS 73-87 MONTH MAR
 CLASS ALL FAIRMED MONTHS 18
 CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KTS) DIR.	1-3	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	2.6	.3	.3						8.7	10.0
NNE		1.0	1.3	2.3								8.2	9.9
NE		1.0	.5									1.6	5.8
ENE		1.0	2.3	1.3								8.5	9.1
E		1.0	5.8	3.2								11.3	11.7
ESE		1.0	3.1	14.5	.6							27.8	11.3
SE		.3	6.0	12.0	3.6	.3						21.7	12.8
SSE			1.0	2.6	1.3							6.1	11.9
S			.3	.3	.3							1.7	12.5
SSW													
SW												.3	2.0
WSW													3.0
W				.3								.6	7.5
WWW				.6								1.1	11.0
NW		1.0	1.0	1.0								4.2	6.7
NNW		.6	1.0	1.3	.3	.3						4.5	10.9
VARBL													
CALM												.6	
	4.2	2.7	36.0	48.0	6.5	1.0						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 109

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

STATION KINGSVILLE, TX STATION NAME 13-82 YEARS MAR
ALL WEATHER MONTH (L.S.T.) 73
 CONDITION

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	1.7	1.7	2.6	2.6	.3							4.8	8.8
NNE		1.7	.6	1.3								3.5	8.8
NE	.4	1.6	.6									2.8	8.7
NNE	1.0	2.3	.6	.3								4.2	5.8
E	1.8	3.5	2.6									8.1	5.3
ESE	2.6	9.4	3.7	2.6	.3							18.7	6.6
SE	1.2	5.1	13.5	4.1								30.6	8.6
SSE	.4	2.2	4.9	2.6								11.6	8.6
S	.7	1.6	1.7	.3								2.4	7.8
SSW													
SW													
WSW	.7											.7	1.0
W	.7											.1	3.0
WNW													
NW	.6	.6										1.2	3.3
NNW	.6	.3	.3	.6								1.7	7.0
VARBL													
CALM												5.5	
	1.7	10.6	30.4	18.7	.6							108.0	7.3

TOTAL NUMBER OF OBSERVATIONS 110

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 1 21 KINGSVILLE, TN STATION NAME 13-82 YEAR 1982 HAF MONTHS ALL
ALL WEATHER CLASS ALL HOUR (L.S.T.)
 OBSERVING

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.4	1.1	2.1	.7	.2						0.8	2.8
NNE	.7	1.2	2.1	1.7	.1							6.5	2.1
NE	.8	1.5	1.7	.6								3.3	4.7
NNE	.2	1.3	1.2	.6								3.2	4.4
E	1.7	2.2	2.7	1.1								7.5	4.2
ESE	1.7	3.1	3.7	4.3	.8							13.8	4.8
SE	1.7	3.1	5.7	7.0	1.1	.2						18.4	10.1
SSE	.7	2.4	2.1	1.8	.8	.2						11.5	5.8
S	.7	1.7	2.8	1.3	.8							6.5	4.4
SSW	.7	.7	.4	.1	.1							1.5	4.1
SW	.7	.7	.2	.6								1.2	4.2
WSW	.8	.5	.7									1.0	3.3
W	.8	.3	.1	.1	.1							1.4	4.4
WNW	.7	.3	.3	.2	.7							1.2	7.3
NW	.7	.7	.8	.8	.1	.1						3.2	4.5
NNW	.5	.6	1.4	1.7	.2	.7						4.6	2.3
VARIABLE													
CALM												5.2	
	11.6	22.7	29.3	28.9	3.8	.5						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2479

8805

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

1-26 STATION KINGSVILLE, TX STATION NAME 73-82 YEAR

APR MONTH

ALL WEATHER

07 HOUR (L.S.T.)

COUNTRY

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	0.0	1.7	3.7	1.7								7.7	2.2
NNE	1.7	1.0	2.7	1.7								3.7	3.0
NE	1.0	1.0	1.0	1.7								3.7	3.0
NNE	2.0	1.0	2.7	1.7								3.7	3.0
E	3.0	1.7	3.7	2.7								9.7	4.0
ESE	2.0	2.7	3.0	1.0								10.7	2.1
SE	2.3	3.7	1.0	3.7								23.7	3.2
SSE	1.7	3.7	3.7	3.7	1.7							18.7	3.0
S	1.0	1.0	2.3	1.7								7.7	2.0
SSW		1.7										1.7	3.0
SW													
WSW	2.7	1.7										4.7	3.5
W	2.7											2.7	1.0
WNW												2.7	3.0
NW				1.7								1.7	10.0
NNW	2.7	1.0	2.7									2.0	3.7
VARB													
CALM												9.0	
	12.7	26.7	22.7	13.0	1.0							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 100

8808

U.S. GPO 1964:741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1982 STATION KINGSVILLE, TX STATION NAME 73-82 YEAR APP DATE 03 HOUR (L.S.T.)

ALL WEATHER CLASS

QUANTITY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	0.0	1.7	.7								9.0	5.8
NNE	.7	1.7	1.3									3.3	6.3
NE	1.7	1.7	1.0									3.0	5.0
NNE	2.7	1.7										4.0	2.8
E	3.7	3.3	1.0	.3								6.3	6.8
ESE	1.7	3.7	4.0	1.3								10.0	7.8
SE	.7	5.0	4.7	4.0								16.3	8.6
ESE	1.7	2.7	6.7	3.7								18.7	8.1
S	1.7	3.3	.3	2.0								7.0	6.9
SEW	.3	.3	.3									1.3	4.3
SW	.7											.7	2.0
WSW	.7	.7										1.3	3.0
W	.7											.7	2.0
WNW													
NW	.3	2.0	.3		.3							3.0	6.2
NNW	2.0	1.0	1.0	.3								4.3	5.2
VARS													
CALM												13.0	
	20.3	29.7	22.3	18.3	.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 108

8808

NAVS. GPO 1984-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 26 KINGSVILLE, TX 13-82 APR SOUTH
STATION NAME YEAR MONTH (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	0.0	5.0	1.7								12.0	7.2
NNE	1.3	2.7	1.3	0.3								4.7	5.6
NE	2.0	1.3	1.0									4.3	4.3
NNE	1.7	1.0										2.7	3.1
E	4.3	0.0	0.3									4.7	3.7
ESE	1.0	5.0	2.0	1.0								9.0	6.1
SE	2.3	4.7	6.3	2.7	0.3							14.3	7.3
SSE	1.7	3.0	3.7	2.3								10.3	6.0
S	1.3	1.3	1.3	0.3								4.3	5.7
SSW	0.7	0.7	1.0									2.3	3.6
SW	0.3	0.7										1.0	3.7
WSW	0.7	0.3										0.7	3.5
W	1.3	0.3										1.7	3.0
WNW	0.7	0.3		0.3								1.3	4.0
NW	1.7			0.7								1.7	4.8
NNW	1.0	3.0	1.7									5.7	5.7
VARIABLE												11.7	
	23.3	32.3	23.7	8.0	0.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 108

8808

NLS OF 9804-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-126 STATION KINGSVILLE, TX YEAR 73-82 MONTH APR
 ALL WEATHER CLASS 04
 MONTH (L.S.T.) 04
 ORIGIN

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	.7	1.7	8.0	3.3	.7	.7						10.7	10.3
NNE	.3	1.3	2.0	.7	.3							8.7	8.9
NE	.7	1.3	3.3	.7	.3							6.0	6.6
NNE	.7	2.0	2.0	.3								5.0	6.9
E	1.0	1.7	1.7	1.0								7.8	7.8
ESE	.7	1.3	5.8	6.3	.3							12.0	9.6
SE	.7	2.0	6.7	12.7	.7							21.8	11.0
SSE	.3	1.3	8.7	5.7	.7							13.0	10.7
S		1.7	2.0	3.0	1.0							7.8	11.1
SSW		1.7	1.0									2.3	6.3
SW		.7		.3								.7	9.5
WSW	.7											.3	2.0
W		.7										.3	5.0
WWW	1.0		.3									1.3	8.0
NW	.7		1.7	.3	.7							3.0	6.6
NNW		.7	.3	1.3								2.3	9.9
VARB.													
CALM												2.0	
	6.7	16.7	37.1	32.8	8.3	.3						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 299

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 KINGSVILLE, TX STATION NAME 73-62 YEAR ABD

ALL WEATHER

COVER 1.1.1.

DESCRIPTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	.7	2.3	4.0	2.3	1.0							11.3	8.8
NNE	.3	1.0	.7	1.7	.3							8.0	9.3
NE	.3	1.3	1.7									5.3	7.8
NNE		1.3	2.0	.7	.3							8.3	9.1
E	.3	1.7	1.3	3.0								8.3	9.2
ESE	.7	1.7	8.7	7.3	1.0							15.1	11.5
SE	.7	2.7	8.0	12.7	2.3	.3						23.7	11.8
SSE		.3	1.0	8.7	3.0	.3						10.3	12.2
S		.3	1.3	2.0	.3	.3						5.0	11.9
SSW		1.0	1.0	.3								2.3	7.9
SW		.3		.3								.7	8.5
WSW			.3	.3								.3	8.0
W	.7		.3									1.0	8.0
WNW	.3	.3	.7		.3							1.7	8.8
NW		.3	.3	1.0	.3							2.0	12.2
NNW		.3	1.3	1.7								3.3	11.3
CALM												1.0	
	4.7	12.7	30.7	32.7	8.0	1.0						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 100

8908

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

17926
STATION

KINGSVILLE, TX

STATION NAME

77-82

YEAR

APR

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	.3	1.7	1.3	0.3	.7	.3						10.7	10.1
NNE	.3	1.3	1.7	.7								3.3	7.2
NE		1.7	2.0	1.0								6.0	8.0
NNE	.3	1.7	2.7	1.0	.7							6.3	9.3
E		1.7	2.3	0.7								7.3	10.7
ESE		1.3	2.3	13.0	6.3							27.0	11.3
SE		.7	1.3	13.3	3.7	.3						21.0	13.9
SSE	.3		1.3	1.0	2.7							7.3	10.2
S		.7	.7	.7								2.0	6.8
SSW		.7	.3									1.0	6.3
SW		.3										.3	6.0
WSW	.7			.3								1.0	5.0
W	.3	.3										.7	6.0
WW		.7	.3		.3							1.3	8.8
WNW	.3			.3		.3						1.0	13.0
WSW		.7	1.3	1.7	.7	.3						6.7	12.8
VARIABLE													
CALM												1.0	
	2.7	11.7	20.0	23.3	10.0	1.3						100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

300

5808

NAVSOP 1084-74-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION KINGSVILLE, TX YEAR 1962 APR
 MONTH 16
 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	.7	2.0	3.7	1.7	1.0							8.7	9.6
NNE	.3	1.0	2.3	.7								4.3	4.1
NE	.3	.7	2.0	.3								3.0	7.8
ENE		.7	2.3									2.7	7.8
E	.7	1.7	10.7	8.0		.7						18.0	10.0
ESE		.7	12.0	18.0	2.3							33.0	12.1
SE			5.0	18.7	2.7							22.3	11.2
SSE			.3	7.7	.3	.7						1.3	16.0
S		.3	.3		.3	.7						1.3	3.8
SSW					.3								
SW													
WSW													
W		.7										.3	6.0
WNW		.3										.7	8.0
NW	.3			.3								.7	9.5
NNW	.3	.7	.7	.7								1.7	10.2
VARB.													
CALM												.3	
	2.0	7.3	39.0	48.0	6.7	.7						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 100

8808

U.S. GPO 1964-741-348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION KINGSVILLE, TX STATION NAME 73-82 YEAR APR
 MONTH 21
 HOURS (L.S.T.)
 CLASS ALL WEATHER
 ORIGIN

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	2.3	2.0	.3	.7							4.3	7.8
NNE		1.0	1.0	1.0								3.3	7.8
NE		1.7	1.0									2.7	5.8
NNE	1.7	2.0		.3								4.0	4.5
E	2.7	3.3	3.3	.3								10.3	6.7
ESE	2.3	2.3	3.7	6.7								23.0	7.7
SE		3.3	10.7	8.7	.3	.3						26.0	9.4
SSE		1.0	3.3	6.3								9.7	9.3
S		.7	.3	.3	.7							1.7	11.8
SSW													
SW	.7											.7	1.0
WSW													
W													
WNW													
NW		.7										.7	5.6
NNW					.3							.3	21.5
VARIABLE													
CALM												3.0	
	17.3	27.7	10.3	12.7	1.7	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

U.S. GPO 1964-741-348/201

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 1-5 APP APR
MONTH APR
CLASS ALL WEATHER MONTH (L.S.T.) ALL
CONDITION

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	1.1	2.0	3.0	2.0	0.5	0.1						9.5	3.8
NNE		1.7	1.7	0.7	0.1							4.2	7.2
NE		1.1	1.5	0.3	0.0							4.6	6.9
NNE	1.2	1.3	1.2	0.3	0.1							4.1	6.3
E	2.5	1.2	1.1	1.8								10.2	6.8
ESE		2.5	6.3	6.3	1.1							17.5	10.2
SE	1.2	1.0	6.5	9.3	1.3	0.1						31.3	12.5
SSE		1.5	3.3	3.8	0.8	0.1						10.5	12.1
S	1.1	1.8	1.1	1.2	0.3							6.5	6.7
SSW	0.1	0.1	0.8									1.3	6.1
SW		0.0		0.1								0.0	6.3
WSW		0.2		0.0								0.5	6.9
W	0.4	0.1										0.5	3.8
WNW	0.7	0.2		0.1	0.1							0.5	6.7
NW	0.4	0.4	0.7	0.3	0.1	0.1						1.8	6.6
NNW	0.1	0.2	0.8	0.7	0.1	0.1						3.0	6.5
CALM												5.1	
	12.0	21.5	29.5	27.0	4.5	0.5						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2199

8808

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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

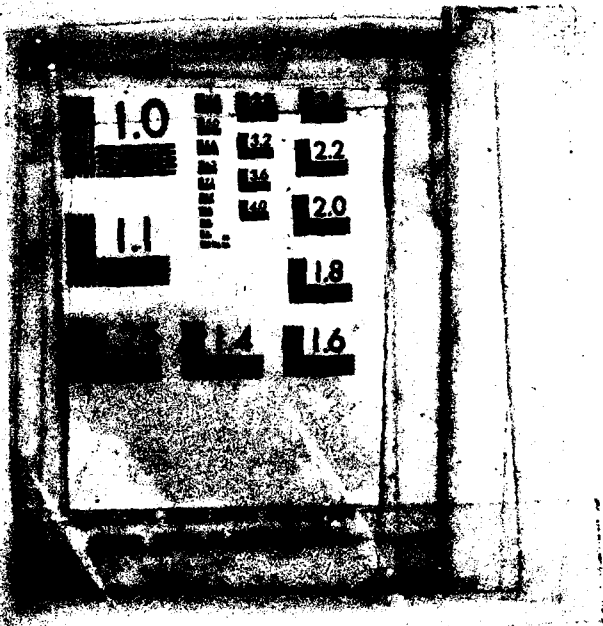
SURFACE WINDS

STATION 12 WELLSVILLE, TX STATION NAME WELLSVILLE, TX YEAR 1967 MONTH MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 00
 OBSERVATION

SPEED (KNTS) DIR.	1-3	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									3.0	4.3
NNE	1.0	1.0	1.0	1.0								3.0	5.0
NE	1.0	1.0	1.0	1.0								3.0	6.0
NNE	1.0	1.0	1.0	1.0								3.0	5.2
E	1.0	2.0	1.0									3.0	6.1
ESE	2.0	4.5	6.1	1.0								10.6	6.5
SE	1.0	7.1	6.7	3.0	1.0							21.9	7.4
SSE	1.0	6.0	1.0	3.0	1.0							13.0	7.6
S	1.0	1.0	1.0	1.0								5.0	6.0
SSW													
SW													
WSW	1.0	1.0										1.0	7.0
W												1.0	6.0
WNW													
NW													
NNW		1.0		1.0	1.0							3.0	7.0
VARBL													
CALM												1.0	
	21.0	20.0	25.0	9.0	1.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 10

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ PORTION NAME _____ RANGE _____ MONTH _____
 CLASS _____
 COMMENTS _____
 HOUR (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
01													
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
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95													
96													
97													
98													
99													
100													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17722

WINGSVILLE, TX

73-82

MAY

ALL WEATHER

R3

SPEED DIRECTION DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	34-40	41-47	48-55	204	%	MEAN WIND SPEED
N	1.9	2.3	1.0									5.2	0.0
NNE	1.6	1.6	.3	.3								3.9	0.3
NE	1.3	1.9	.6									3.9	0.8
NNE	1.0	.3	.6									1.9	0.8
E	3.2	5.2	.3	.3								8.1	4.3
ESE	2.3	1.9	5.2	1.3								12.6	6.7
SE	1.6	5.1	5.5	1.9	.3							19.0	6.3
SSE	2.2	5.2	4.8	1.3	.3							19.9	6.6
S	1.0	1.3	1.0	1.0								4.2	7.0
SSE	.3	.3	.6									1.3	0.3
SE	.6											.6	2.3
SSE	.3	.3										.6	1.3
E	.6	.3										1.0	0.0
ESE	.3	.3										.6	0.0
SE	.3	1.6										1.9	0.0
SSE	1.0	1.6	.3	.3								3.5	3.1
VAR													
GR												17.1	
	22.7	33.9	20.0	6.3	.6							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

210

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12000

KINGSVILLE, TX

73-82

MAY

ALL WEATHER

06

WIND DIRECTION SPEED	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	2-26	%	MEAN WIND SPEED
0	2.9	5.2	1.9	.3								16.4	5.2
010	2.6	1.6	1.3									5.5	4.3
020	2.9	1.3										4.2	2.8
030	2.9	1.0										3.9	3.3
040	4.9	4.2	2.6									11.7	4.6
050	4.2	5.5	4.8	.3								15.9	5.8
060	1.3	6.8	5.2	.3								14.0	6.2
070	1.0	4.2	2.6	1.3								9.1	6.3
080	1.0	2.6	1.9	.3								6.2	6.3
090				.3								.3	12.0
100	.3											.3	3.0
110	.3				.3							.3	2.0
120	1.0	.3										1.3	2.8
130	.3	.3		.3								1.3	3.0
140	.3	1.3	.3	.3								2.3	6.7
150	1.0	1.3		.3								2.6	4.3
160													
170													
180													
190													
200													
210													
220													
230													
240													
250													
260													
270													
280													
290													
300													
310													
320													
330													
340													
350													
360													
000												11.4	
	23.3	34.7	22.1	4.8								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

104

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10028

KINGSVILLE, TX

73-82

MAY

ALL WEATHER

12

(MID (L.S.T.))

WIND DIRECTION (M)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	25	%	MEAN WIND SPEED
01		1.0	1.0	.0								1.9	7.0
02	1.0	1.0	2.0	.0								9.8	7.0
03	.0	1.0	.0	1.0								2.0	8.0
04	1.0	.0	1.0	.0								1.5	7.0
05	.0	1.0	3.0	1.0								7.0	8.0
06		1.0	2.0	10.0	.0	.0						20.0	11.0
07	.0	2.0	7.0	10.0	1.0							21.0	11.0
08	1.0	1.0	9.0	9.0	.0	.0						12.0	10.0
09	1.0	2.0	2.0	1.0	.0							10.0	8.0
10	.0	1.0	.0	.0								2.0	8.0
11		.0										.0	8.0
12	.0		.0									1.0	10.0
13	.0	.0										.0	2.0
14		.0		.0								1.0	7.0
15			.0	.0	.0							1.0	12.0
16	.0	1.0	1.0	1.0								4.0	8.0
17													
18													
19													
20													
21													
22													
23													
24													
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67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
GRAND TOTAL												100.0	9.0

FORM NO. 100-10 (REV. 11-60) 110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1958 WINDSVILLE, TX 73-02 MAY
 ALL WEATHER
 15
 (L.S.V.)

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
N		1.0	2.0	.0								3.0	7.0
NNE		1.0	1.0	.0								2.0	7.0
NNE	.5	1.0	1.0	1.0								3.5	7.0
NNE	.5	1.0	1.0	1.0								3.5	8.0
E		1.0	1.0	1.0	.5							4.5	10.0
ESE	.5	1.0	1.0	1.0	2.0							6.5	11.0
ESE	.5	1.0	1.0	1.0	1.0							5.5	12.0
ESE	.5	1.0	2.0	1.0	1.0	.5						7.5	11.0
S	.5	.5	1.0	.0	.5							2.5	9.0
SSE			.5									.5	8.0
SSE	.5											.5	2.0
S				.5								.5	12.0
SSE		.5	.5									.5	6.0
SSE	.5	.5	1.0	1.0								3.5	7.0
SSE	.5	.5	1.0	1.0								3.5	9.0
UNK												1.0	
TOTAL	2.0	11.0	17.0	4.0	4.0	.5						100.0	10.0

TOTAL PERCENT OF OBSERVATIONS 110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12924

KINGSVILLE, TX

73-82

MAY

ALL WEATHER

18

BORES (L.S.T.)

WIND DIRECTION DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
01		1.0	1.0	1.0								3.2	4.8
02	.3	1.0	1.3	.3			.3					3.2	2.8
03		.5	1.3									1.9	6.8
04	.3	1.0	1.0									5.8	6.9
05		1.0	13.9	5.8								19.0	2.8
06		.3	11.3	20.8	1.3							17.0	12.2
07			3.5	13.9	3.2							20.0	13.2
08		1.0	1.0	2.5	.5	.3						3.5	12.7
09													
10													
11													
12													
13													
14													
15	.3	.3	.3									1.0	5.8
16												.6	7.0
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
TOTAL	1.0	7.8	32.1	48.0	8.2	.3	.3					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12928
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

21
DAYS (L.O.T.)

WIND DIRECTION DIF.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.0	.3	.3								1.9	6.8
NNE	1.0	1.3	.3	.3								2.9	5.3
NE	.6	1.3	.6	.3								2.9	6.1
NNE	3.5	1.6	.6	.3								6.1	4.1
E	2.9	8.1	2.3	.3								13.5	6.9
ESE	6.8	9.0	11.6	3.9								29.0	7.1
SE	2.3	8.1	10.6	8.1								29.0	6.6
ESE	.3	1.3	4.2	2.7								8.7	9.6
S			1.6									1.6	9.0
SSE		.3										.3	5.0
SE	.3											.3	3.0
SSE	.3											.3	4.0
SSE	.3	.6										1.0	4.0
SSE		.3										.3	4.0
SSE	.3											.3	3.0
SSE			.3									.3	10.0
SEA												1.6	
	16.3	32.9	32.6	16.3								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1978
DATE

KINGSVILLE, TX
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.9	1.6	.6								5.0	6.6
NNE	1.1	1.3	1.1	.3	.1		.0					4.0	6.4
NE	1.0	1.3	.9	.3								3.5	5.8
NNE	1.4	1.1	1.4	.4								4.2	5.9
E	2.0	3.3	4.1	1.7	.0							11.1	7.1
ESE	2.0	3.7	7.6	8.4	.5	.0						22.2	9.5
SE	1.7	4.4	6.8	7.6	.9							21.0	9.5
ESE	1.1	2.5	4.5	2.7	.5	.1						11.3	8.9
S	.7	1.2	1.6	1.1	.1							4.2	6.1
SSE	.1	.3	.2	.1								.7	6.6
SE	.2	.1	.1									.4	5.4
SSE	.4	.2	.1									.7	6.1
S	.3	.4		.0								.7	4.1
SSE	.1	.3	.0	.1								.5	5.7
SE	.2	.5	.2	.2	.0							1.1	7.3
SSE	.5	.8	.7	.4	.1							2.5	7.1
VAR													
CALM												5.7	
	11.1	21.6	11.2	24.0	2.3	.3	.0					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2977

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12-20
PULVER

KINGSVILLE, TX
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

50
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	1.0	.2									2.3	4.1
NNE	1.3	.7										2.0	3.0
NE	.3	.3										.7	3.0
NNE			.7									.3	7.0
E	7.0	1.3		.3								8.7	7.2
ESE	3.0	1.3	4.0	.7								9.0	5.8
SE	8.3	7.3	8.3	2.7								28.7	6.1
ESE	5.3	11.3	10.7	1.3	.3							29.0	6.5
S	2.3	3.3	2.7	.7	.7							9.0	6.7
SSE		.7										.7	4.0
SW													
WSW	.3											.3	3.0
W													
WSW	.3	.3										.7	4.9
W	.3											.3	2.0
WSW		.3										.3	4.0
VAR.													
CALM												12.0	
	27.7	28.0	25.7	8.7	1.0							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

170

UNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

172A
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

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	.3	.3									2.0	3.5
NNE	1.3	1.3		.3								3.0	4.3
NE	.3	.3	.3	.3								1.3	8.0
NNE	.7	.7	.3									1.7	3.6
E	2.0	1.0										3.0	2.3
ESE	3.7	1.3	1.0									6.0	3.7
SE	3.7	5.3	5.7	.7								15.3	5.8
SSE	6.3	9.3	5.7	1.7								22.0	5.3
S	5.3	6.0	2.7	1.7								16.7	5.2
SSW	1.7	.3	.3									2.3	3.3
SW	.7											.7	2.0
WSW	1.0											1.0	2.7
W	1.3	.3										1.7	2.2
WNW	1.0											1.0	2.0
NW	1.3	.3										1.7	3.2
NNW	1.7	.7	.3									2.7	3.8
VARIABLE													
CALM												12.0	
	34.7	27.3	16.7	8.0								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 700

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1928 STATION KINGSVILLE, TX 73-02 YEAR MONTH DAY HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

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	0.7	3.7	.7									5.0	3.6
NNE	0.3	1.0	.7									3.7	3.1
NE	1.7	.3	.3									2.0	3.2
ENE	1.7		.7									2.0	2.8
E	0.3	.3	1.7									5.7	3.3
ESE	0.3	2.3	.3									5.0	3.7
SE	7.0	6.3	4.3	1.3								15.7	6.0
SSE	4.7	8.3	4.7	1.3								19.0	5.5
S	1.0	2.0	2.7	.3								6.7	6.1
SSW	.7	.3										1.0	2.7
SW													
WSW	1.0											1.0	1.7
W	1.7											1.0	2.0
WWW		.7										.3	0.0
NW	1.3	1.3										2.7	3.0
NNW	0.3	.3	.7									0.3	3.0
VABL													
CALM												25.3	
	30.7	26.0	15.0	3.0								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1720 KINGSVILLE, TX STATION NAME 73-82 YEARS JUN
 MONTHS NO
 CLAS ALL WEATHER
 CLAS
 CONDITION

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	.7	1.0	1.7	.3								3.3	7.0
NNE	.3	2.7	1.3									4.3	5.5
NE	.7	1.7	.3									2.0	4.5
NNE	1.0	.7	1.0	.3								2.0	4.5
E	1.7	1.0	1.3	.3								4.3	5.5
ESE	.7	2.7	3.7	2.0								9.0	8.1
SE	.7	3.0	5.3	4.0	.3							13.3	9.3
SSE	1.7	2.3	13.7	1.3	.3							26.0	9.7
S	1.7	4.7	5.7	9.7	.7	.3						22.7	9.7
SSW		.7	.7	.3								1.3	9.0
SW	.7		.7									.7	4.5
WSW		.7										.3	4.0
W	1.0	.3										1.3	2.5
WSW		.7		.2								.7	8.0
NW		.3										.3	4.0
NNW	.3	2.0	.3		.3							3.0	6.7
VARL													
CALM												2.3	
	10.0	22.7	35.3	27.7	1.7	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1976 KINGSVILLE, TX 73-82 JUN
DATE STATION NAME YEAR MONTH
ALL WEATHER 12
CLASS HOURS (L.A.T.)
CRITERIA

SPEED (KNOTS DIR)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	.3	1.0	.7	1.0								3.0	8.3
NNE	.3	2.0	1.3	.7								4.3	7.0
NE	.7	.3	1.7	.3								3.0	7.1
NNE	1.0	2.0	1.0									4.0	5.8
E	.7	2.3	3.3	.3								6.7	6.9
ESE	.3	2.3	6.0	5.7	.3							14.7	10.0
SE	.3	4.0	7.0	13.3	.7		.3					28.7	10.9
SSE	.7	4.7	7.3	8.0	1.3	.3						19.3	9.7
S	.7	2.7	5.3	2.0								10.7	8.1
SSW	.3	.7	.3	.7								2.0	7.7
SW		.3										.3	6.0
WSW	.3		.3									.7	6.0
W	.7											.3	3.0
WSW	.3											.3	2.0
WW			.7	.3								.7	9.5
WNW		.7		.3								1.0	7.3
WNW													
CALM												3.3	
	6.3	23.0	30.7	29.7	2.3	.3	.3					108.0	8.8

TOTAL NUMBER OF OBSERVATIONS 108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10922
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

15
DAYS (L.S.T.)

SPEED DIRECTION DIF.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	2-05	%	MEAN WIND SPEED
N		.7	.3	.7								1.7	2.0
NNE		.7	1.3									2.0	6.0
NE	.7	1.7	2.0									4.3	6.2
NNE	.3	1.3	1.0	.3								3.0	7.0
E	1.0	2.3	3.0	2.7								13.0	8.0
ESE		1.3	11.0	17.7	2.0	.3						32.0	11.9
SE	.3	1.7	6.3	12.7	5.3							26.3	12.7
SSE	.7	1.7	1.3	3.7	1.0	.7						9.0	11.9
S		.3	1.0	1.0	.7							3.0	11.0
SSW		.3		.3								.7	8.3
SW													
WSW													
W													
WNW				.3								.3	7.0
W			.3	.3								.7	6.0
WNW			.3	.7								1.0	8.3
VAR													
CALM												.0	
	3.0	12.3	23.7	39.0	9.0	1.0						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 190

END

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17320

WINNSVILLE, TX

73-82

JUN

ALL WEATHER

18

0000 (L.S.V.)

WIND DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N		.7	.3	.7								1.7	8.2
NNE	.3	.3	1.0									1.7	6.9
NE		.3	.3									.7	6.0
NNE		1.7	2.0	.7								3.7	6.2
E	.3	2.7	12.0	5.3								20.3	7.1
ESE		1.7	10.0	17.3	.7							29.7	11.3
SE	.7	.7	4.7	22.3	6.3	.3						34.7	13.3
ENE	.7	.7	.3	2.7	1.7	.3						6.0	13.9
S													
SSE	.3											.3	1.0
SE													
SSE													
E	.3											.3	3.0
ESE													
SE		.3										.3	4.0
SSE													
SW													
WSW													
SW													
WSW													
SW													
WSW													
CALM												.7	
	2.0	6.3	10.7	22.0	8.7	.7						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

12028

KINGSVILLE, TX

73-82

JUN

ALL WEATHER

21

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	≥60	%	MEAN WIND SPEED
N	.7	.7		.3								1.7	5.0
NNE	1.0	.3										1.3	3.8
NE	1.0	.7	.3									2.0	5.2
NNE	2.3	1.7										3.3	2.9
E	7.3	9.7	1.7									15.0	3.0
ESE	7.0	10.0	6.7	2.3								26.0	5.8
SE	3.3	9.7	15.7	8.3								36.0	8.2
SE	.3	1.3	3.3	8.0								10.0	10.1
S	.3	.7		1.0								2.0	9.0
SSE													
SW	.3											.3	2.0
WSW													
W													
WSW		.3										.3	9.0
SW													
WSW		.3										.3	9.0
VAR.													
CALM												2.7	
	23.7	30.7	26.3	17.0								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10028
OBSID

KINGSVILLE, TN
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

ALL
WIND (I.S.T.)

QUALITY

WIND DIREC DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	.5	.0								2.7	3.0
NNE	.9	1.1	.7	.1								2.8	3.1
NE	.6	.6	.7	.1								2.0	2.8
NNE	.9	.6	1.0	.2								2.9	3.0
E	1.2	2.1	2.3	1.1								9.7	3.2
ESE	2.1	2.8	3.3	3.7	.4	.0						16.9	3.0
SE	2.2	4.7	7.1	8.2	1.6	.0	.0					23.9	3.6
SSE	2.4	4.9	8.9	3.8	.8	.2						17.8	3.1
S	1.5	2.5	2.6	2.0	.2	.0						8.7	3.7
SSW	.4	.3	.2	.2								1.0	3.6
SW	.2	.0	.0									.2	3.8
WSW	.3	.0	.0									.4	3.2
W	.5	.1										.6	2.9
WSW	.2	.2	.0	.0								.5	4.3
SW	.4	.3	.1	.0								.6	4.2
WSW	.5	.6	.2	.0	.0							1.5	3.1
WIND												8.0	
DATA													
	17.1	22.8	27.5	21.9	2.8	.2	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2900

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17028

KINNSVILLE, TN

73-82

JUL

ALL WEATHER

00

0000 (L.S.)

WIND DIRECTION °	1-3	4-6	7-10	11-14	17-21	22-27	28-30	34-40	41-47	48-55	256	%	MEAN WIND SPEED
0	.3	.3										.6	3.5
15	.6	.3										1.0	2.5
30	.3	.3										.6	3.0
45	1.3			.3								1.6	9.0
60	1.6	1.0										2.6	3.0
75	3.5	2.6										6.1	3.0
90	5.0	12.6	8.7	.6								27.7	5.5
105	6.0	18.1	11.9	1.3								39.1	5.8
120	.3	6.3	3.0	.3								11.2	6.2
135	.6	.3										1.0	2.7
150													
165													
180													
195													
210												.3	8.0
225													
240													
255													
CAV												9.0	
	21.7	42.6	28.5	3.6								100.0	6.0

TOTAL PERCENT OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17028

KINGSVILLE, TX

73-82

111

ALL WEATHER

03

NOV 1951

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
0	1.3	.3										1.6	2.0
15	1.3											1.3	2.0
30	1.0	.3										1.3	2.0
45	1.0		.3									1.3	2.0
60	1.5	.3										1.8	2.0
75	7.1	5.3	2.3	.3								18.0	2.0
90	12.0	10.3	3.3									25.6	2.0
105	8.1	6.0	2.3	.3								19.0	2.0
120	.3	.3										1.0	2.0
135	.3	1.0										1.3	2.0
150	.3											.3	2.0
165	.3	1.0										1.3	2.0
180	.3											.3	2.0
195	.3	.3										1.0	2.0
210													
225													
240													
255													
270													
285													
300													
315													
330													
345													
360													
TOTAL	19.0	28.0	8.0	1.0								56.0	2.0

TOTAL NUMBER OF OBSERVATIONS

510

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17326

KINGSVILLE, TX

73-82

JUL

ALL WEATHER

06

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
0	1.9	.6										2.6	2.5
090	1.6	1.0										2.6	1.0
090	2.3	1.0										3.2	2.8
090	.6	.6										1.2	1.8
0	5.2	1.0	.3									6.5	2.7
090	6.1	1.3		.3								7.4	2.9
090	10.8	8.7	1.6	.3								21.8	3.9
090	6.5	7.8	1.3									15.5	3.9
0	1.0	1.0	.6									2.6	1.8
090	.3	.3										.6	1.0
090	.3											.3	1.0
090		.3										.3	6.0
090													
090													
090		.6										.6	4.0
090	1.0											1.0	2.0
090												30.1	
TOTAL	21.1	29.3	3.9	.6								108.0	2.8

TOTAL NUMBER OF OBSERVATIONS

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10028
STATION

MINGSVILLE, TX
OBSERVED NAME

73-82
YEAR

JUL
MONTH

ALL WEATHER
CLASS

09
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	.3	1.3	.6									2.3	3.6
NNE	1.9	.6										2.6	2.9
NE	.3											.3	3.0
NNE	1.6	.3										1.9	2.3
E	1.9		1.7									2.9	4.1
ESE	.6	1.9	.6	.6	.3							4.2	7.8
SE	1.6	2.9	2.9	2.9								10.3	7.8
SSE	2.6	6.1	13.2	2.6								12.9	9.6
S	1.6	5.8	17.1	2.6	.3							13.9	3.9
SSW		2.3	1.7									3.2	6.3
SW	.3		.3									.6	3.0
WSW		1.0	.3									1.3	3.6
W													
WNW													
W	.3											.3	3.0
WNW		1.7	.3									1.7	3.9
WINDY													
CALM												2.3	
	11.6	22.5	19.6	21.6	.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17923
OBSYR

WINGSVILLE, TX
STATION NAME

73-82
YEAR

JUL
MONTH

ALL WEATHER
GLASS

17
MOON (L.S.T.)

ORIGIN

SPEED (MPH) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7		.3								1.6	5.8
NNE	1.0	.6	.3									1.9	4.5
NE	1.0	.6	1.3									2.9	5.8
NNE	.7	.3	.6	.3								1.6	7.8
E	1.7	1.6	2.3	.6								6.2	6.0
ESE	2.6	5.5	10.0	1.9	.3							20.3	7.5
SE	1.3	3.2	11.0	6.8	1.0							23.2	9.6
SSE	1.3	4.2	9.0	3.9	1.0							15.8	9.0
S	1.3	6.1	5.2	4.8								17.4	7.9
SSW	.3		1.0	.3								1.6	8.4
SW	.3		.3									.6	4.5
WSW	.3											.3	2.0
W	.3	.3										.6	4.0
WW	.3	.3										.3	5.0
WSW		.3										.3	5.0
W												.3	5.0
WNW												.3	5.0
WNW												.3	5.0
WNW												.3	5.0
WNW												.3	5.0
WNW												.3	5.0
CALM	X											1.3	
	11.9	24.5	91.0	19.0	2.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

310

5100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1728
DAYTIME

KINGSVILLE, TX
STATION NAME

73-87
YEAR

JUL
MONTH

ALL WEATHER
CLASS

15
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													
NNE			.3	.6								1.3	0.6
NE		.6										.6	5.5
NNE	.3	1.3	.3	.6								2.5	7.0
E	.3	1.9	4.2	3.0								10.3	9.3
ESE	.3	3.2	11.0	23.5	2.3							40.3	11.7
SE	.3	1.9	9.7	15.5	3.5	.3						31.3	12.0
SSE	.3	1.6	1.6	3.5	1.3							8.4	11.0
S		.3	.6	.3								1.3	7.3
SSW	.3	.3										.3	4.0
SW													
WSW			.3									.3	10.0
W	.6											.6	2.0
WWW		.3	.3									.6	6.0
WV					.3							.3	21.0
WSW													
VARB.													
CALM												1.3	
	2.4	11.9	22.4	48.1	7.4	.3						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 026 STATION KINGSVILLE, TX 73-82 YEAR JUL MONTH 17 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

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													
NNE		1.0										1.0	4.3
NE			.7									.7	7.5
NNE	.3	.3	.6									1.3	6.3
E		1.0	6.1	2.9								10.6	7.2
ESE	.3	3.2	17.6	27.7	1.9							43.9	11.7
SE	.7	.3	3.5	25.5	3.9	.3						33.0	13.8
SSE		.7	.3	4.5	2.3							7.7	10.2
S				.6								.7	12.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.1	
	1.0	7.9	21.6	61.3	8.1	.3						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 110

SMCS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 10074 KINGSVILLE, TX STATION NAME 73-82 YEAR JUL
 CLASS ALL WEATHER MONTH 21
 CONDITION _____ 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													
NNE													
NE			.7									.7	2.0
NNE	1.0											1.0	2.0
E	3.9	4.5	.3	.3								6.0	4.0
ESE	5.7	10.0	9.0	1.6	.3							76.7	6.1
SE	1.5	11.9	27.7	6.8								46.1	6.2
SSE	.2	1.3	5.8	2.9								10.3	5.4
S	.7	.6	.3	1.0								2.3	1.9
SSW													
SW													
WSW		.7										.3	1.0
W			.7									.7	1.0
WWW													
NW													
NNW													
VARB.													
CALM												1.7	
	1.0	28.7	43.9	12.6	.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 110

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1977 KINGSVILLE, TX 73-82 JUL
STATION NAME YEAR MONTH
ALL WEATHER ALL
CLASS HOURS (L.S.T.)
CONDITION

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	.0	.0	.1	.2								1.1	4.0
NNE	.4	.5	.1	.1								1.1	4.0
NE	.4	.4	.2									1.3	4.2
NNE	.0	.4	.2	.2								1.7	4.7
E	2.2	1.5	1.8	1.0								6.2	5.2
ESE	2.2	3.5	5.2	7.0	.6							12.2	6.7
SE	3.5	5.0	8.4	7.4	1.0	.1						26.4	8.7
SSE	3.5	6.0	6.1	3.1	.6							20.4	7.7
S	1.0	3.6	3.8	2.1	.0							11.4	7.1
SSW	.0	.5	.2	.0								1.0	5.5
SW	.0	.1	.1									.4	3.1
WSW	.1	.2	.1									.4	3.3
W	.2	.2	.0									.4	3.9
WSW	.0	.1	.0									.2	4.5
NW	.1	.1			.0							.2	6.3
NNW	.3	.2	.0									.5	3.9
VARL													
CALM												8.0	
	17.9	24.4	26.4	20.9	2.7	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2479

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17 25
STATION

KINGSVILLE, TX

STATION NAME

73-82

YEARS

AUG

MONTH

ALL WEATHER

CLASS

00

GROUP (L.S.T.)

OPERATOR

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	2.4		.3									2.9	2.0
NNE	.2											.3	2.0
NE	.6											.6	2.6
NNE	1.3						.2					2.3	5.7
E	2.0	1.3										3.9	2.7
ESE	6.5	3.2	.6									8.3	3.7
SE	5.2	11.7	8.4									24.5	5.8
SSE	3.9	11.3	8.7	1.3								29.2	6.1
S	2.6	2.9	1.0									7.4	5.0
SSW	.3		.1									.3	6.5
SW	.6		.3									1.0	5.3
WSW	.1	.3										1.0	2.3
W	.6											.6	2.0
WSW													
NW	.6											.6	3.0
NNW	1.0	.3										1.3	2.3
VARB													
CALM												19.4	
	25.4	30.0	20.6	1.3			.2					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

15028
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

AUG
MONTH

ALL WEATHER
CLASS

03
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	≥66	%	MEAN WIND SPEED
N	2.2	.3		.3								3.9	7.1
NNE	.6	.3										1.0	3.3
NE	1.0	.3										1.3	2.8
NNE	.6	.3										1.3	10.8
E	1.9							.3				1.9	2.0
ESE	1.6	1.6										2.6	2.8
SE	6.5	5.5	2.9	.3								15.2	8.6
SSE	2.0	7.4	2.9	.3								19.7	4.3
S	6.5	6.8	1.6									13.7	4.1
SSW	1.0	1.6										2.6	3.6
SW	.3											.3	1.0
WSW	.3	.6										1.0	3.3
W	1.9											1.9	2.0
WW	1.0	.3										1.3	2.8
WNW	2.2											2.2	2.3
NNW	1.9	.6										2.6	2.8
VARIABLE													
CALM												26.8	
	39.7	25.2	7.9	1.0				.3				100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

110

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

11128 KINGSVILLE, TX 73-82 AUG
 ALL WEATHER 06
 (GDD (L.S.V.))

SPEED DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
0	2.4	2.6										11.0	2.8
000	2.9	1.7		.3								4.7	1.5
030	2.2											2.2	1.7
060	4.2	.3										4.8	2.3
090	4.9	1.3						.3				6.1	4.2
120	1.9	1.7	.3									3.2	3.0
150	3.1	3.9	1.3	.3								13.6	3.8
180	3.6	3.7	1.6									13.7	4.0
210	1.0	1.3	1.0	.3								3.6	3.1
240		1.7										1.0	3.0
270	.6											.6	1.5
300	.6	.3										1.7	3.7
330													
VAR	.6											.6	2.5
000	1.2	.3										1.6	2.6
030	3.0	1.3										4.8	2.6
060													
090													
120													
150													
180													
210													
240													
270													
300													
330													
CALM	X X X X X X X X X X X X											27.5	
	44.3	22.7	4.2	1.0				.3				108.0	2.8

TOTAL NUMBER OF OBSERVATIONS 109

5805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10028

KINGSVILLE, TX

73-82

AUG

ALL WEATHER

09

SPEED (KNOTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
0	1.0	3.5	.6									6.1	4.9
010	.6	2.6	1.9		.3							5.5	6.3
020	1.6	1.7	.3									2.9	3.9
030	2.3	2.6	.6									3.5	4.8
0	1.6	.3										1.9	2.7
090	.6	2.3	1.7									3.9	5.8
09	1.7	1.9	6.8	3.9								11.6	8.8
090	.7	3.2	11.6	3.8	1.0							29.2	9.8
0	1.9	3.2	10.3	6.8	.3				.7			22.6	9.0
090	.6	1.6	.6									2.9	3.2
09	.6		1.3	.3								2.3	3.7
090	1.7											1.0	2.3
0	.3											.3	2.0
090													
09	1.3	.3										1.6	2.6
090	.3	.3										.6	3.0
090													
CALM												7.1	
	16.3	28.4	33.7	16.8	1.6				.7			108.8	7.8

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1929
YEAR

KINGSVILLE, TX
STATION NAME

73-82
YEAR

AUG
MONTH

ALL WEATHER
CLASS

12
DAYS (L.E.V.)

WIND DIRECTION SPEED	1-3	4-6	7-10	11-16	17-24	25-27	28-30	31-40	41-47	48-50	20k	%	MEAN WIND SPEED
0		1.7	1.3	.3								2.5	6.8
000	1.3	1.6	.3	.3		.3						3.9	6.3
009	1.3	.6	1.6									3.5	6.8
018	.3	2.3	2.3	.6								5.5	6.7
0	1.9	6.1	2.9	.6								11.6	6.0
090	.4	1.9	8.6	2.6	.3							13.7	9.0
099	1.0	6.2	7.7	3.6	1.0							19.7	9.3
108	1.9	6.6	6.6	3.6	.3	.3						19.7	8.7
0	1.0	2.9	3.5	1.9								7.4	8.2
180		1.6		.6								2.3	7.6
189	.6											.6	2.3
198													
270	1.0											1.0	2.3
279	.6											.6	2.3
360												.3	6.0
000	.3	1.6										1.9	6.2
009													
018													
027													
036													
045													
054													
063													
072													
081													
090													
099													
108													
117													
126													
135													
144													
153													
162													
171													
180													
189													
198													
207													
216													
225													
234													
243													
252													
261													
270													
279													
288													
297													
306													
315													
324													
333													
342													
351													
360													
TOTAL	11.7	29.8	29.8	18.5	1.6	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17-26
DATE

WINGSVILLE, TX
STATION NAME

73-82
YEAR

AUG
MONTH

ALL WEATHER
CLASS

15
DAYS (L.P.T.)

WIND DIRECTION BLK	1-3	4-6	7-10	11-14	15-20	20-27	28-33	34-40	41-47	48-55	200	%	MEAN WIND SPEED
N	1.0		.3	.3								1.6	3.0
NNE			.6	.6		.1						2.3	10.0
NE	.5	1.0	1.0									2.5	5.0
NNE	.5	1.0	1.0	.6								4.8	7.7
E	.6	2.6	8.1	5.2								16.5	9.0
ENE	1.3	2.6	10.0	19.0	1.2							36.1	11.7
E	1.3	1.3	6.5	11.0	2.3	1.0						23.2	12.3
ESE	.6	1.3	1.3	1.0	.3	.6						8.1	11.0
S	.3	.3	1.3	.3								2.3	7.0
SSE				.3								.3	12.0
SSE	.3											.3	3.0
S													
SSE													
SSE													
SSE												.3	9.0
SSE													
CALM	X											2.3	
	6.1	11.2	21.6	21.3	6.6	1.0						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1726

KINGSVILLE, TX

73-82

AUG

ALL WEATHER

18

NOON (L.S.T.)

WIND DIRECTION SPEED	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
M													
000						.3						.3	26.0
010												.3	6.0
020		.6	1.3		.3							2.2	7.0
030	.4	3.5	9.7	1.9	.3							16.1	8.0
040	.6	3.5	12.6	21.6	1.9							40.3	11.3
050		1.3	8.7	15.5	4.8	.3						30.6	12.6
060	.3	.3	.6	3.5	.6							5.5	12.9
070		.3	.6	.3								1.3	9.0
080													
090													
100													
110													
120													
130													
140													
150													
160													
170													
180													
190													
200													
210													
220													
230													
240													
250													
260													
270													
280													
290													
300													
310													
320													
330													
340													
350													
360													
VAR													
CALC												1.3	
	2.9	10.8	23.5	32.9	8.1	.6						108.0	11.0

TOTAL NUMBER OF OBSERVATIONS

110

5800

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17-28 KINGSVILLE, TX 7-82
AUG 21
ALL WEATHER
21
TIME (L.S.T.)

SPEED RANGE DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.3										1.0	2.3
NNE	.7	.3				.7						1.0	10.3
NE	1.0		.6									2.3	9.1
NNE	1.5	1.7										2.3	3.0
E	7.4	9.2	.6									15.2	3.2
ESE	4.5	12.6	7.7	1.3								28.1	5.9
SE	3.5	10.0	12.9	8.8	.6							33.7	7.7
SE	1.9	1.9	3.9	1.2								11.0	7.9
S	1.7	.8	.3									1.9	1.8
SSE													
SE													
SSE													
E		.5										.6	4.0
ESE													
SE	.6											.6	2.0
SSE													
CALM	X											4.2	
	28.2	32.3	26.1	11.3	.6	.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 316

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 74 KINGSVILLE, TX 73-02
 MONTH YEAR
 ALL WEATHER
 CLASS
 CONDITION
 ALL
 WIND (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	≥66	%	MEAN WIND SPEED
0	2.2	1.7	.3	.1								3.6	3.6
000	.4	.8	.4	.2	.0	.2						2.9	6.8
090	1.2	.4	.4									2.0	4.1
095	1.5	1.0	.8	.2	.0		.2	.0				3.6	5.6
1	2.9	2.5	2.7	1.0	.0			.0				9.2	6.1
090	2.0	3.3	3.1	3.6	.7							16.4	9.1
00	3.3	4.9	6.7	5.9	1.1	.2						21.5	8.6
000	2.7	3.1	4.7	2.9	.3	.1			.0			15.9	7.6
0	1.7	2.3	2.6	1.2	.0							7.8	6.9
090	.2	.7	.1	.1								1.2	3.3
095	.4	.2	.2	.1								.7	3.3
090	.4	.2										.3	2.9
W	.3	.1										.6	2.4
090	.7	.1										.4	2.6
090	.1	.1										1.0	2.8
090	1.7	.5	.1									1.6	3.1
090													
CALM												11.9	
	21.0	23.2	25.0	16.7	2.2	.4	.0	.1	.0			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2479

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-28 KINGSVILLE, TX 71-82 SEP
STATION NAME YEAR MONTH
ALL WEATHER
CONDITION

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	2.7	2.7	2.7									8.3	5.3
NNE	1.7	.7	2.7		.7							6.7	4.9
NE	1.7	.3										1.7	3.0
NNE	.7	1.3		.7								2.3	6.2
E	1.3	.7		.7								7.3	2.5
ESE	4.3	2.7	.7									7.3	3.8
SE	4.3	5.7	3.3									13.3	5.1
ESE	2.3	7.7	4.3									13.7	5.4
S	1.7	1.7	1.7	.3								5.7	5.4
SEW	1.7	.3	.3									1.7	3.8
SW	1.3											1.3	2.3
WSW	.7	.7										.7	4.7
W	.7	.7										1.0	3.3
WSW	.7	1.0	.7									2.3	4.6
W	.7	1.0										2.0	2.2
WSW	1.7	1.7	.3	.3								3.3	4.9
YARE													
CALM												21.7	
	34.0	27.0	15.7	1.3	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17 28
OBSERV

KINGSVILLE, TX
STATION NAME

73-82
YEAR

SEP
MONTH

ALL WEATHER
CLASS

07
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
M	5.3	5.3	3.3	.3								14.3	5.0
NNE	1.7	1.7	1.7				.7					5.0	6.6
N	1.3											1.3	2.0
NNE	1.7	.7										2.0	3.0
E	1.7	.7	.3									2.3	4.0
ESE	2.3	.7		.3								3.3	3.4
SE	2.7	3.0	.3									6.0	4.1
SSE	5.7	3.0	2.3									10.7	4.3
S	7.3	6.7	1.7	.3								10.0	4.8
SSW		.7	.3									.7	7.5
SW	1.7	.7										2.3	3.3
WSW	.7	.7										1.3	3.3
W	2.0	.7	.3									3.0	3.4
WW	1.7	.3	.3									2.0	3.2
WNW	2.7	3.0	.3	.3								5.7	4.8
WNW	3.7	2.0	1.0									6.7	3.8
VARS													
CALM												23.3	
	36.0	27.3	11.7	1.3			.7					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

5806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17 2F
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

155
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	8.7	4.7	0.7	0.3							21.0	4.0
NNE	4.7	1.7	0.3	1.0								6.7	4.3
NE	1.7	1.7	0.3									2.7	4.1
ENE	1.7	0.7										1.7	3.2
E	1.7	1.7	0.3									3.7	3.5
ESE	1.7	1.7										3.3	3.1
SE	4.7	1.7										5.7	2.5
SSE	0.3	5.7	1.7									8.7	4.4
S	1.7	2.7	1.7									3.7	4.0
SSW		0.7										0.7	5.3
SW		0.7										0.7	5.0
WSW	0.7	1.7										1.7	3.0
W	0.7		0.3									0.7	4.6
WNW	0.7	1.7		0.3								2.7	5.1
NW	0.7	2.7	0.3									4.7	4.1
NNW	4.7	2.7	2.7									5.0	4.7
VARB													
CALM												23.7	
	31.7	31.7	10.7	2.0	0.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 500

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: 1 07 WINGVILLE, TX STATION NAME: WINGVILLE, TX YEAR: 72-80 MONTH: 10P

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	48-53	≥56	%	MEAN WIND SPEED
N	2.0	0.0	4.7	3.3								16.0	7.1
NNE	7.0	2.0	3.0	2.3	1.0	.3						11.7	8.4
NE		1.0	1.7									2.7	6.5
NNE	0.0	2.0	.3									4.3	4.2
E	1.7	2.7	.7									4.7	4.6
ESE	.7	2.7	.3									2.7	5.4
SE	.7	1.7	2.7	.3								5.0	7.4
SSE	1.7	4.3	5.0	2.7								13.3	7.6
S	2.7	3.7	6.7	4.7								17.0	8.2
SSW	.7	.7	.7									0.0	4.7
SW	.7	.7										1.0	4.0
WSW	.7	.3										1.0	3.7
W	1.7	1.0	.7	.3								3.3	5.7
WNW	.7											.7	2.0
NW	.7	1.7	.7	.7								3.3	6.7
NNW	1.0	2.0	1.3	.3	.3							5.0	6.9
VARBL													
CALM												7.0	
	1.0	31.3	27.3	14.7	1.3	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

8105

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1 71 KINGSVILLE, TX STATION NAME 73-82 YEAR SEP
ALL WEATHER MONTH 17
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.0	3.7	1.3	.7							9.3	1.3
NNE	1.7	4.3	3.7	2.3		.7						12.0	2.2
NE	1.0	.7	2.3	1.0								5.0	7.4
ENE	1.7	.7	1.3									3.7	4.8
E	1.7	4.3	2.3	.7								5.7	5.6
ESE	.7	3.7	2.0	1.7								7.0	6.0
SE	1.7	2.3	6.7	2.3								12.3	8.0
SSE	1.7	3.7	4.3	3.7	.3							12.3	4.5
S	1.7	5.3	4.3	2.3								13.0	7.9
SSW	.7	1.0	1.0	.3								2.0	7.3
SW	.7	.7										1.0	3.7
WSW	.7			.3								.7	6.5
W	.3		.7	.3								1.3	6.8
WNW		.7	.3									.7	6.0
NW	.7	.3	.7	.3								1.7	7.2
NNW	.7	2.3		1.3		.7						4.7	8.3
VARB.													
CALM												3.7	
	12.7	31.7	33.3	17.0	1.0	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1725
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

SEP
MONTH

ALL WEATHER
CLASS

15
HOURS (L.O.F.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	.3	1.3	2.7	2.3	.7							7.3	10.0
NNE	.3	2.0	2.3	2.7								7.3	9.0
NE	.3	1.7	2.7	.3								4.3	8.0
NNE	.3	2.0	4.0	2.3								8.7	8.3
E	.3	3.7	6.7	3.0								13.7	8.0
ESE	1.0	2.3	9.0	9.3	.7							22.3	10.3
SE	.3	2.0	6.7	5.3	1.3							18.7	10.0
ESE	.3	2.3	2.7	3.3								8.7	9.3
S		.3	1.0									1.3	7.3
SEW	.3	.7										1.0	8.3
SW													
WSW	.7		.7									1.0	5.5
W	.7	.7	.3									1.7	8.0
WSW			.7	.3								.7	10.3
W			1.3		.3							1.7	10.0
WSW	.3	1.7	.3	1.0								3.3	7.0
VARIABLE													
CALM												1.3	
	5.3	20.0	40.3	10.0	1.0							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 370

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-25
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

500
MONTH

ALL WEATHER
CLASS

1F
MOON (L.S.V.)

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		.3	1.7		.3							4.3	7.8
NNE		1.7	2.3	.7	.3							4.3	7.8
NE	.7	1.3	1.7	.3								4.0	6.3
NNE	1.3	3.0	1.3									5.7	5.1
E	.7	9.7	10.3	3.0								21.0	7.6
ESE		6.7	15.7	7.7								28.7	9.2
SE		1.7	6.7	9.3	.3							18.0	10.8
SSE	.7	.7	1.7	1.7								4.0	9.0
S	.3	.3		.7								1.7	9.0
SSW													
SW		.7										.3	4.0
WSW													
W			.7									.3	10.0
WWW			.3									.3	6.0
NW	1.0	.3	.3	.3								2.0	6.8
NNW	.7	.7	1.0	1.0								3.0	6.1
VARB.													
CALM												.7	
	5.0	27.3	41.3	24.7	1.0							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 120

5105

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1962 RINGSVILLE, TX 73-82 SEP
STATION NAME YEAR MONTH
ALL WEATHER 21
CLASS MONTH (L.S.T.)
STATION

SPEED GROUP KTS.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.3	2.7	.7	.3							7.7	6.5
NNE	1.3	.7	1.3									5.0	3.9
NE	1.0	1.7	1.3									6.0	4.8
NNE	3.7	1.3										6.7	2.6
E	12.3	8.3	1.0	.3								17.7	3.2
ESE	9.0	8.0	2.0	.3								19.3	6.0
SE	4.7	7.3	8.3	1.3								21.7	6.3
SSE	.7	2.0	2.3	1.7								6.7	7.3
S	.3	.3	.3									1.0	5.3
SSW													
SW		.7										.7	4.0
WSW													
W	.3	.3										.7	3.2
WNW				.3								.3	14.0
WSW	.3	.7	.3									1.3	8.3
WNW	.7	.3	.3									1.3	4.3
VARS													
CALM												6.0	
	80.3	22.7	18.0	8.7	.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 100

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17-25 MONTH KINGSVILLE, TX STATION NAME 73-82 YEAR SEP MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	4.0	3.2	1.1	.3							12.0	4.9
NNE	2.2	1.7	2.0	1.1	.2	.1	.0					7.3	7.1
NE	1.1	1.0	1.2	.7								3.5	3.9
NNE	1.5	1.4	.9	.3								4.1	5.3
E	3.2	3.2	2.7	.9								16.1	5.7
ESE	2.3	3.2	3.6	2.5	.1							11.6	7.3
SE	2.2	3.1	4.3	2.3	.2							12.2	7.6
SSE	1.7	3.6	2.2	1.5	.0							9.8	6.8
S	1.4	2.6	2.0	1.0								6.8	6.8
SSE	.3	.4	.3	.0								1.0	5.8
SE	.4	.4										.8	3.5
ENE	.4	.3	.0	.0								.8	3.9
E	.7	.4	.3	.1								1.5	4.8
ESE	.4	.5	.2	.1								1.8	3.8
SE	1.0	1.1	.8	.2	.0							2.9	3.4
SSE	1.3	1.6	.8	.5	.0	.0						4.8	3.8
VAR													
CALM												10.9	
	22.9	28.2	28.9	12.0	.9	.1	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2400

5806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 228
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

OCT
MONTH

ALL WEATHER
CLASS

00
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	3.5	3.5	2.6	1.3								11.3	5.8
NNE	2.6	1.3	1.6	.6								5.3	5.7
NE	1.3	1.3										2.9	3.1
NNE	1.3	.3		.3								1.9	4.8
E	5.8	2.3	.6									8.7	3.0
ESE	2.6	1.3										3.9	3.1
SE	3.2	1.3	1.9	.3								7.4	5.0
ESE	4.5	5.8	5.2	.3	.3							15.3	8.7
S	1.3	2.9	1.3	.6								7.7	5.0
SSE	1.3	.3										1.6	2.8
SW	1.6											1.6	2.0
WSW	.6											.6	2.3
W	1.3	.6										1.9	3.2
WSW	.6	.3										1.0	3.0
SW	1.6	.3										1.9	2.8
WSW	1.6	1.9	.6	.3	.3							4.8	8.1
CALM												21.0	
	37.4	21.5	13.5	3.9	.3	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

118

END

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10228
STATION

KINGSVILLE, TX
STATION NAME

73-87
YEAR

OCT
MONTH

ALL WEATHER
CLASS

07
MOON (L.S.T.)

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.2	3.9	2.6	1.6								13.2	5.5
NNE	1.6	1.6	2.9	.6								6.6	5.9
NE	.5	.6	.3									1.6	4.4
NNE	.6											.6	2.9
E	2.3		.3									2.6	3.1
ESE	1.2	.6										3.7	2.8
SE	2.6	3.5	.6									6.8	4.2
SSE	2.9	4.8	2.9		.3							11.0	5.7
S	1.9	.6		1.3								3.5	6.1
SSW	.3	.3										.6	2.5
SW	1.5		.3									1.9	3.2
WSW	1.3								1.7			1.7	2.8
W	2.3	.6										2.9	2.9
WWW	2.3	1.0										3.2	3.0
NW	4.2	1.3	.3									5.8	3.7
NNW	3.2	2.9	2.3	.6								9.0	5.4
VARS													
CALM												24.8	
	36.1	21.9	12.6	4.2	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

8800

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10026

KINGSVILLE, TX

73-82

OCT

ALL WEATHER
CLASS

36

HOURLY (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	≥66	%	MEAN WIND SPEED
N	0.0	0.5	3.0	1.6								18.0	5.5
NNE	2.3	1.9	1.0	0.6	0.3							6.8	5.8
NE	0.6	1.0	0.3									1.9	4.5
NNE	0.6	0.3	0.6									1.5	0.6
E	2.2	1.0										4.2	2.5
ESE	2.3	0.3	0.6									3.2	3.5
SE	2.5	1.9	0.6									5.2	4.1
ESE	2.3	2.0	1.0	1.0								6.0	5.0
S	0.6	1.3	1.3	0.6								3.7	6.0
SSW			0.6									1.0	5.7
WSW	0.5											0.5	2.0
W	0.6											0.6	3.0
WSW	1.5	1.0	0.3									3.0	4.1
SW	0.2	1.0	0.6									6.5	3.5
WSW	2.5	3.0	1.6	0.6	0.3							13.7	4.9
VARIABLE													
CALM												23.5	
	34.4	24.2	12.3	4.5	0.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

318

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1702R STATION NO. KINGSVILLE, TX YEAR 73-82 OCT MONTH
 ALL WEATHER CLASS 09 HOURS (L.S.T.)
 OBSERVER

SPEED (KNOTS) DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	5.2	5.2	3.2	.3							17.9	7.1
NNE	3.5	4.2	5.6	3.2	1.0							17.9	7.5
NE	1.3	2.3	.6									4.2	4.5
NNE	1.0	.6	.3									1.9	3.7
E	1.9	.6	.3									3.2	4.3
ESE		1.0	1.0	.6								3.5	7.2
SE	1.3	1.9	1.9	.3								5.5	6.5
SSE	1.3	2.3	4.5	4.8	.6							19.2	9.6
S	1.3	1.6	5.5	3.5								11.9	8.6
SSW	.6	.3	.6	.3								1.9	6.7
SW	.7	.3										.6	3.0
WSW	.6											.6	2.3
W	.6		.3									1.0	3.3
WW		.6	.3	.3								1.3	8.0
WSW	.6	.6	.6	.6								2.6	7.3
WSW	1.0	1.0	.3	1.6								4.9	7.0
VARS													
CALM												7.4	
	19.0	25.7	27.4	19.0	1.9							109.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

2806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 - 24
STATION

KINGSVILLE, TX

73-82
YEAR

0CT
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

DESCRIPTION

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	1.6	4.2	5.5	2.6	1.0							14.5	9.3
NNE	1.0	3.2	3.0	1.9	.3							10.3	6.2
NE	1.3	2.6	1.6	1.6								7.1	7.1
NNE	.7	1.6	1.3	.3								3.5	6.6
E	.6	2.9	1.6	.3								5.5	6.5
ESE	.3	3.9	1.9	2.6								6.7	8.2
SE	.6	2.3	4.9	4.2								11.6	7.1
ESE	1.0	2.9	3.9	3.2	1.0							11.0	9.4
S	.6	3.9	3.9	3.2	1.0	.3						12.4	9.2
SSE		1.7	1.3	.6	.3							3.5	5.5
SW		1.0										1.0	4.3
WSW	.7		.7									.6	5.8
W	.7											.3	3.0
WSW		1.0										1.0	9.0
W	.7	.3	.3	.3								1.3	7.8
WSW	1.0	.6	1.0	1.0								3.5	7.6
VAR													
CALM												2.3	
	9.4	31.6	31.0	21.9	3.5	.3						100.0	8.0

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 1026 WINGSVILLE, TX STATION NAME 73-82 YEAR OCT
 MONTH 17
 CLASS ALL WEATHER
 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	.6	2.3	4.2	1.6	.6							7.8	4.9
NNE	1.0	1.3	4.2	1.9								8.9	5.4
NE	.6	2.3	3.0	1.3								8.1	7.6
NNE	1.3	1.0	1.0	.6								4.4	5.8
E	.6	2.9	5.2	3.5								12.3	3.7
ESE	.6	3.5	7.1	5.5	.3							17.1	9.2
SE	.7	2.6	6.8	8.4	1.6							10.7	11.1
SSE	.7	.3	2.3	2.9								5.0	10.3
S	.7	1.6	1.6	.3	.3							4.2	7.6
SSW	.3	1.0	.3	.3								1.6	6.5
SW													
WSW	.3											.7	2.0
W	.3											.3	3.0
WWW	.7	.6	.3									1.0	5.5
NW		.6	.6									1.3	7.3
NNW	1.0	.6	1.3	1.0								3.0	7.2
VARB													
CALM												1.7	
	8.1	21.6	38.7	27.4	2.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1124 KINGSVILLE, TX YEAR 73-77 CCT 10
 STATION NAME ALL-WEATHER CLAS 10
 CONDITN 10
 HOURS (L.S.T.) 10

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	1.3	1.0	1.3								6.2	7.2
NNE	1.3	1.6	1.3									5.0	6.5
NE	1.0	2.3	.6	.3								4.2	5.5
NNE	2.3	3.2	1.3									7.4	4.6
E	2.6	2.7	5.5	.6								15.4	5.6
ESE	1.3	2.4	10.3	2.6								32.6	7.4
SE	.6	5.2	8.7	9.7	.3							23.0	7.6
SSE		1.0	1.6	1.9	.3							4.0	10.7
S		.3										.7	5.0
SSW													
SW													
WSW													
W												.3	6.0
WNW	1.0	.3										1.0	3.0
NW		.3	.3									1.0	5.3
NNW	.6	1.6	.6									2.8	5.1
VARB													
CALM												1.0	
	13.7	35.8	32.3	15.8	.6							100.0	7.1

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 MONROEVILLE, TX STATION MARK _____ YEAR 73-80 DAY _____ MONTH _____
 ALL WEATHER CLASS _____ HOURS (L.S.T.) _____
 GROUNDWATER _____

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	1.0	1.2	2.5	.6								5.5	7.6
NNE	2.1	1.3	1.6	1.3								7.1	6.1
NE	1.2	1.3	.7									3.2	3.5
NNE	3.7	1.6										5.2	2.5
E	2.7	7.2		.3								13.2	2.1
ESE	2.7	4.2	1.3									15.2	3.6
SE	2.1	6.5	6.8	1.6								21.2	5.0
SSE	2.3	2.4	3.7	2.3								11.1	4.7
S	.3	1.7	.5	.6								2.7	6.9
SSW													
SW	.7	.9										1.6	4.6
WSW	.7											.7	2.0
W													
WNW		.7										.1	4.0
NW	.6	.5										1.1	3.3
NNW	1.1	1.2	.3	.3								2.9	5.4
VARB.													
CALM												9.4	
	40.6	25.2	17.7	7.1								100.0	4.5

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: KINGVILLE, TX STATION NAME: YEAR: 1937 MONTH: 01
 CLASS: ALL HOURS (L.S.T.):
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.0	3.0	1.7	0.2							12.0	6.0
NNE	0.2	2.0	2.0	1.3	0.2							6.5	6.9
NNE	1.2	1.0	1.0	0.4								4.2	5.7
ENE	1.0	1.0	0.0	0.2								3.4	4.6
E	1.3	2.0	1.0	0.6								5.0	5.1
ESE	2.0	3.0	2.0	1.4	0.0							6.3	4.5
SE	2.0	3.0	4.0	2.0	0.2							12.0	7.9
SSE	1.0	2.0	3.1	2.1	0.3							10.2	7.7
S	1.0	1.0	1.0	1.3	0.2							5.0	7.6
SSW	0.0	0.4	0.7	0.2	0.0							1.2	1.4
SW	0.0	0.0	0.1		0.0							0.0	3.0
WSW	0.0	0.0	0.0									0.0	2.8
W	0.0	0.0	0.0									0.0	0.2
WNW	0.0	0.0	0.1	0.0								1.0	4.0
NW	1.0	0.0	0.0	0.1								2.0	4.4
NNW	1.0	1.0	1.0	0.7	0.0							5.0	5.8
CALM												11.0	
	24.0	25.0	23.2	13.0	1.3	0.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 240

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION

WINGSVILLE, TX

STATION NAME

13-80

YEAR

NO.

MONTH

ALL WEATHER
CLASS

00

GROUP (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	0.7	3.7	7.3	1.3	0.7							11.3	7.1
NNE	0.7	2.7	2.7	1.7								6.2	6.2
NE	1.7	1.7	0.3	0.3								3.0	4.4
ENE	0.7		0.7			0.7						1.7	9.2
E	0.7	0.7										4.0	2.8
ESE	0.7	1.7	0.7									3.7	3.7
SE	0.3	4.7	3.3	0.3								12.7	5.3
SSE	0.3	4.7	3.7	1.3								11.3	6.1
S	0.7	3.7	2.7	0.3	0.3							9.0	6.0
SSW	0.7	0.7										1.0	3.3
SW	1.7											1.7	2.6
WSW	1.7	0.3										2.0	2.7
W	0.7	0.7										1.0	3.6
WW	1.7											1.3	2.5
NW	0.7	0.7	1.7	0.7								5.3	5.1
NNW	0.7	2.7	3.7	1.0								6.7	7.7
VARBL													
CALM												18.7	
	20.7	25.0	19.3	7.0	1.0	0.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 100

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 28 KINGSVILLE, TY 73-82 NOV
STATION STATION NAME YEAR MONTH
ALL WEATHER
CLASS
07
FORM (L.S.V.)

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	0.3	5.7	7.3	2.0	0.3							15.0	6.5
NNE	0.3	0.7	0.3	1.3	0.3							5.0	7.3
NE	1.3	0.7	0.7									2.0	4.8
NNE	0.3	0.7	0.7									1.0	5.7
E	1.3	0.7										2.3	2.7
ESE	1.0	1.0	0.3									2.3	3.0
SE	1.7	4.3	1.3	0.3								7.7	5.2
SSE	0.7	3.0	2.3	1.0	0.3							8.7	6.3
S	0.3	2.0	3.3	1.0								6.7	5.7
SSW	0.7	0.3										0.7	1.0
SW	0.7	0.3										1.0	2.7
WSW	0.3	0.3										0.7	2.7
W	0.3	0.7										0.7	2.0
WNW	1.3	1.0	0.3									2.7	3.9
NW	2.7	2.7	2.0	1.0								8.3	6.1
NNW	0.3	4.3	2.3	1.3								13.0	5.3
CALM												15.0	
	22.7	26.7	16.7	8.3	1.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 100

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1928 STATION NO. KINGSVILLE, TX STATION NAME 13-82 YEAR NOV MONTH NOV
 ALL WEATHER CLASS 0A HOUR (L.S.T.)
 CONDITION

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	2.7	7.7	4.7	2.0	.3							17.3	6.7
NNE	1.0	2.7	2.0	1.0								6.7	6.7
NE	1.0	1.0	.3	.7								3.3	5.0
NNE	.7	.3										.7	3.5
E	2.7	.3										3.0	2.3
ESE	1.0	2.0	.3									3.3	4.8
SE	2.0	5.3	.3	.3								8.0	4.6
SSE	2.3	1.7	1.7	.7								6.3	5.8
S	1.3	1.7	1.0	1.3								5.3	6.6
SSW	.7	.3										.7	4.0
SW		.3										.3	6.0
WSW	1.3											1.3	2.0
W	1.0											1.7	2.0
WWW	1.0	2.3										3.3	4.2
NW	1.3	2.3	2.3	1.0	.3	.3						7.7	7.7
NNW	4.3	5.7	2.3	1.0								13.3	4.9
CALM												17.7	
	29.7	33.7	15.0	8.0	.7	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 300

ENCLOSURE

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1012A
STATION

KINGSVILLE, TX
STATION NAME

73-87
YEAR

NOV
MONTH

ALL WEATHER
CLASS

09
GROUP (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	2.3	6.7	7.7	4.0								21.3	7.5
NNE	1.7	3.7	3.7	2.7	.3							11.7	7.0
NE	1.0	1.0	1.0	1.0								4.3	7.3
NNE	1.0	1.0	.3									2.3	4.3
E	1.0	1.0	.3									2.3	4.0
ESE	1.0	.7	1.0	.3								3.0	5.9
SE		1.0	3.0	.7								5.4	6.3
ESE	1.0	3.0	5.0	1.0	.3							11.0	7.5
S	.7	3.0	5.0	1.0								10.4	5.0
SEW	.7		.3									1.0	4.3
SW	.3	.3	.3									1.0	3.0
WSW		.3	.3									.7	7.0
W	1.0	1.0	.3									2.7	4.0
WNW	.3	.3	.7									1.0	4.3
WNW	1.0	1.0	2.0	1.0	.3							5.4	7.9
NNW	2.3	2.0	3.3	1.0	.7							9.7	7.7
VARS													
CALM												7.3	
	14.1	28.3	33.0	13.4	1.7							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

229

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10028
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

NOV
MONTH

ALL WEATHER
CLASS

17
OBS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-57	≥58	%	MEAN WIND SPEED
N	.7	2.7	6.4	4.7	1.3							14.7	10.5
NNE	.7	2.3	3.3	.7								6.7	7.7
NE	.7	.3	1.7	1.0								3.7	7.8
NNE		1.7	1.7	.3								3.3	2.1
E	1.7	1.7	1.3	1.0								4.7	6.7
ESE	.7	.3	1.7	1.0								3.0	3.3
SE	.7	2.7	2.3	3.0	.7							6.4	10.2
SSE	.3	2.7	3.3	4.7	.3							10.7	10.2
S	1.7	4.7	3.3	5.4	1.0	.7						16.1	9.8
SSW	.7	1.3	1.7	1.0								4.0	7.7
SW	.7	.3	1.3									2.0	6.2
WSW	.7	.3										1.0	3.3
W	.7	1.3	.3									2.0	4.8
WW	.7				.3							1.0	7.3
NW	.3		1.7	.3								2.3	4.8
NNW	1.7	1.0	3.7	4.7	1.0							12.0	10.1
VARIABLE													
CALM												6.3	
	10.4	19.7	32.4	27.8	4.7	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 299

5803

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1000
STATION

KINGSVILLE, TX

STATION NAME

73-82

YEAR

NOV

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

ORIENTATION

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	.7	3.7	4.0	4.7	1.0							13.0	9.9
NNE	1.7	2.7	2.7	1.3	.3							8.7	7.2
NE	1.0	.7	1.7	1.0								4.3	7.2
NNE	.7	1.0	2.0	1.0								4.7	7.7
E		2.0	2.3	.3								4.7	7.9
ESE	.3	1.7	4.0	3.3								9.4	9.6
SE	.3	1.7	4.7	10.7	1.0							18.4	11.7
SSE	.7	2.0	2.3	2.0	.7							7.7	9.2
S	.3	2.0	2.3	2.0	.7							7.0	9.6
SSW	.7	1.0	.7									2.3	5.7
SW	.3											.3	3.0
WSW		.3	.3									.7	5.8
W		1.0										1.0	5.0
WSW	.7		.3	.3								1.3	5.8
NW	.3	1.3	1.0	.3								3.0	6.6
NNW	1.0	.7	5.4	3.3	.7							11.0	7.0
VARS													
CALM												1.7	
	9.7	21.1	33.8	30.4	4.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 709

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1028
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

NOV
MONTH

ALL WEATHER
CLASS

1P
MOON (L.S.T.)

CONDITION

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	1.7	3.7	3.7	1.7	.3	.3						11.0	3.1
NNE	1.7	.7	1.3	1.0								4.7	6.5
NE	2.3	2.3	.7	.7								5.7	5.4
NNE	2.7	2.7	.3									5.0	3.7
E	2.0	6.7	1.7	.3								12.7	5.2
ESE	7.0	10.0	5.7									21.7	9.8
SE	.3	4.7	6.7	6.7	.3							17.3	9.5
ESE	1.7	1.7	2.3	2.0								7.0	8.3
S	.7	.3	.3									1.3	3.3
SSW													
SW													
WSW													
W													
WWW	.7	.3										1.0	3.0
NW		.7	1.3	.3								2.3	6.1
NNW	.3	2.7	1.7	2.0	.3	.3						7.3	9.0
VARB.													
CALM												3.0	
	15.7	37.0	28.0	16.7	1.0	.7						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 120

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1024
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

NOV
MONTH

ALL WEATHER
CLASS

21
DAYS (L.A.T.)

ORIENTATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	1.7	3.7	4.0	1.3		.3						11.0	7.9
NNE	1.7	1.7	1.0	.3								4.7	5.8
NE	1.3	2.3		1.0								4.7	5.3
NNE	3.0	.7	.3	.3								4.3	4.1
E	6.0	.7	.3	.3								7.3	3.0
ESE	7.0	6.7										13.7	3.5
SE	6.0	5.3	5.0	.7								17.0	5.2
SSE	1.0	4.0	4.3	2.0								11.3	7.7
S	.7	3.7	1.0		.3							5.0	6.2
SSW													
SW	.3											.3	2.0
WSW													
W	.3	.3	.3									1.3	5.5
WWW	.3	.3										.7	4.8
NW	.7	1.0	1.0									2.7	5.9
NNW	.3	1.3	1.7	1.7								5.0	8.7
VARBL													
CALM												11.0	
	30.3	11.3	19.0	7.7	.3	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

100

8809

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 2 2 9
STATION

KINGSVILLE, TX
STATION NAME

73-80
YEAR

NOV
MONTH

ALL WEATHER
CLASS

ALL
GROUP (I.S.T.)

OBSERVATION

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	2.1	4.4	4.5	2.7	.5	.1						14.8	7.9
NNE	1.3	2.0	2.0	1.3	.1							6.5	7.3
NE	1.2	1.1	.8	.7								3.9	6.0
NNE	1.1	.8	.7	.2		.0						2.9	5.8
E	2.1	1.0	.8	.3								5.1	4.6
ESE	2.0	2.0	2.0	.6								7.5	5.7
SE	1.8	3.6	3.3	2.8	.3							11.7	7.9
SSE	1.3	2.8	3.0	1.8	.2							9.3	7.7
S	1.0	2.5	2.3	1.6	.3	.1						7.0	7.0
SSW	.4	.4	.3	.1								1.2	5.9
SW	.5	.2	.2									.8	4.2
WSW	.5	.2	.1									.8	3.9
W	.2	.7	.1									1.6	3.7
WSW	.8	.5	.1	.3	.0							1.5	4.3
WV	1.2	1.2	1.5	.6	.1	.0						4.6	6.9
WV	2.2	2.8	2.9	2.0	.3	.0						9.8	7.7
VARS													
CALM												10.2	
	20.1	27.8	24.7	16.6	1.8	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2397

ENDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 1 7 7
OBSERVE

KINGSVILLE, TX

73-82

DEC

ALL WEATHER

00

SPEED DIRECTION DIF.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥66	%	MEAN WIND SPEED
N	3.2	2.0	4.3	3.2	.3							18.4	7.7
NNE	1.6	1.6	1.6	1.9								6.1	7.9
NE	.5	1.3	.6									2.6	4.8
NNE	.2	.3										1.0	3.0
E	1.7	.6										1.6	7.2
ESE	.5	1.3										1.6	3.5
SE	1.6	2.3	1.7									4.9	4.4
ESE	2.6	4.2	2.9	1.3								11.0	6.2
S	.6	6.5	1.3	1.6								12.0	5.3
SSW	1.3	.6										1.9	2.8
SW	.6	.6										1.7	3.5
WSW	2.3	.3										2.6	2.8
W	1.9											1.6	2.8
WSW	.6	1.6	.3	.3								2.9	5.6
WW	1.6	2.3	.6									6.5	4.1
WNW	3.6	2.3	2.6	1.6								10.9	5.3
YEAR													
CALM												18.8	
	26.4	28.2	15.2	1.7	.3							100.2	4.7

TOTAL NUMBER OF OBSERVATIONS

770

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

117-
STATION

KINGSVILLE, TX

STATION NAME

73-82

YEAR

DFC
MONTH

ALL WEATHER

CLASS

CT
NUMBER (L.S.T.)

CONDITION

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	.2	5.2	6.5	2.6	.3							10.3	6.6
NNE	.7	2.6	1.7	1.3								5.7	7.1
NE	1.7	.3	.6	.3								2.6	5.6
NNE	1.7	.3	.3									1.6	2.8
E	1.7	.6										2.3	2.9
ESE	.3	.6										2.3	2.9
SE	.7	1.3	1.6									3.2	6.9
SSE	1.7	2.6	2.7	.6								7.4	6.4
S	.7	4.5	1.3	1.9	.3							6.7	7.6
SSW	.7	1.3										1.6	4.0
SW	1.7											1.7	2.0
WSW	1.3	.6										1.9	3.9
W	1.7	.3										1.7	2.9
WWW	3.2	1.7	.6	.3								5.2	4.3
NW	1.9	1.9	.3		.3							4.5	5.3
NNW	4.5	5.2	2.9	1.9	.3							14.1	6.1
VARIABLE													
CALM												14.2	
	23.1	29.0	18.4	9.0	1.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

710

5808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1110 KINGSVILLE, TX

73-82

DEC

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER
CLASS

76
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DRL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	3.0	5.0	3.0								2.3	6.4
NNE	1.0	3.5	1.0	1.0		.7						2.4	7.3
NE	1.0	1.0	.3									2.3	4.0
NNE	.4	.3										1.0	3.3
E	.4	.6										1.0	3.3
ESE	.4	1.0	.3									1.0	4.4
SE	2.3	1.0	1.3	.3								5.0	4.9
SSE	1.0	.3	3.5	.6								5.5	7.2
S	.6	3.5	1.3	1.3	.3							7.1	7.4
SSW	.7	1.6	.3									2.3	4.6
SW	1.0	.6										1.0	3.2
WSW	.6											.6	2.7
W	.6		.6									1.0	5.0
WNW		2.3	1.0									3.2	5.8
NW	3.2	3.0	1.3	.3								8.7	4.7
NNW	3.0	4.8	4.2	1.9								14.0	6.2
VARB													
CALM												13.4	
	25.2	20.4	21.0	9.0	.3	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

710

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: KINGSVILLE, TX YEAR: 12-82 MONTH: DEC
 CLASS: ALL WEATHER HOUR: TC
 OBSERVATIONS: _____

SPEED (KNTS) DIR.	1-3	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	7.7	7.1	3.9	.6							22.3	7.3
NNE	2.3	2.3	4.0	1.0								11.3	7.6
NE	1.0	1.0	1.0	.6								4.0	6.3
ENE	1.0	1.0	.3									2.3	4.9
E	1.0											1.0	2.9
ESE			.3									1.0	2.0
SE		1.0	2.3									4.5	5.9
SSE		1.0	2.2	1.3								2.5	4.4
S	1.0	2.0	4.5	1.3	.6	.3						10.3	7.7
SSW		.6	1.3									2.0	4.0
SW		.6	.3									1.3	5.0
WSW	1.0	.6	.3									1.0	7.3
W		.6	.3									1.0	4.0
WNW	.6	1.0	1.0	.3								2.0	6.4
NW	.6	.6	2.0									3.0	7.2
NNW	1.0	3.2	2.0	3.9		.3						11.0	6.8
VARBL													
CALM												11.0	
	15.2	25.5	32.0	12.2	1.3	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 110

SMO

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 1932 DTG 070
 MONTH 1
 ALL WEATHER
 CLAS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.0	6.5	7.2	0.6	0.3						10.0	4.1
NNE	1.0	2.0	4.5	1.6								11.0	7.3
NE		1.0	1.0	1.3								4.0	7.7
NNE		0.6	0.0	0.3								1.0	7.2
E		1.0	1.0	0.3								2.0	6.0
ESE		0.6	0.0	0.3								1.3	6.5
SE		1.0	1.0	1.6								1.0	7.8
SSE		1.0	2.0	2.0	0.6							0.7	10.0
S		2.0	4.0	6.5	3.6	1.0						10.0	12.5
SSW		1.0	1.0	1.6								4.5	6.2
SW												0.0	6.5
WSW												1.0	7.4
W		1.0	0.0									0.3	5.1
WNW		1.0	1.0	0.0								2.0	7.4
NW		1.0	1.0	0.3	0.3							3.0	7.8
NNW		0.6	3.0	3.0	0.6							10.4	6.9
VABL													
CALM												1.0	
	11.0	23.0	31.1	26.0	6.0	1.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION

WYOMINGVILLE, TX

STATION NAME

17-82

YEAR

DEC

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	0.1	6.1	4.5	1.0							10.4	6.9
NNE	1.0	2.6	1.6	1.3								6.0	6.7
NE		1.0	2.3	.6								4.5	7.4
NNE		.7	.6	.3	.3							1.0	5.8
E	1.0	1.3	1.0	.3								4.0	6.7
ESE		1.0	1.0	.3								2.6	7.5
SE		2.7	3.0	4.5	.6							12.6	10.4
SSE		.7	1.6	1.6	.3							3.4	11.6
S		2.6	3.0	5.5	1.9							13.0	11.2
SSW			.6	.6								1.6	7.8
SW		1.0	.6									2.0	5.4
WSW		.6	.3									1.3	5.6
W		1.0	.2	.6								2.3	7.9
WNW		.7	1.3	.6								2.0	7.3
NW		.6	1.3	1.3								3.5	6.9
NNW	1.0	2.0	3.0	4.2	.3							12.3	7.9
VARBL													
CALM												3.2	
	7.7	26.5	31.0	27.1	4.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1982 KINGSVILLE, TX

73-82

DFO

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER
CLASS

1P
MOON (L.S.T.)

SIGNATURE

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	3.0	4.2	4.9	2.9	.3							15.7	7.2
NNE	2.0	3.9	1.4	1.3								9.1	5.5
NE	1.7	2.3	.6									4.2	4.7
NNE	1.0	2.4	1.0									5.5	4.5
E	.3	5.5	.7									5.1	4.2
ESE	.0	6.1	1.3	.3								8.4	5.7
SE	1.0	5.0	7.1	5.5								19.4	9.2
SSE	.0	1.7	1.7	1.9								6.1	7.0
S	1.0	2.3	.7	.3								3.2	5.2
SSW		.0										.1	4.0
SW													
WSW	.0											.1	2.0
W	.0	.3										.1	2.5
WWW	.0	1.3	.3									1.9	5.3
NW	1.0	1.3	.6									2.9	4.6
NNW	1.0	4.0	2.6	1.0								8.7	6.2
VARS													
CALM												4.5	
	17.8	42.1	22.3	12.9	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 170

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1 24 KINGVILLE, TX 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 21
CONDITION MONTH (L.P.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	2.2	4.5	5.9	3.9	.6							20.4	7.3
NNE	1.7	1.6	2.3	1.3								6.5	7.5
NE	1.4	1.3										2.0	3.3
NNE	1.2	1.3										3.2	2.2
E	4.2	2.6										7.4	3.0
ESE	2.5	1.3										3.4	2.8
SE	2.9	6.0	3.2	1.0								13.9	5.6
SSE	2.3	5.5	3.6	1.3								12.9	6.3
S	1.7	3.2	1.0	1.0								7.1	6.0
SSW		.7										.3	3.2
SW	.6											.6	2.5
WSW	.7											.3	1.0
W	.7	.3										.4	3.0
WNW		.4										.4	4.5
NW	.6	2.3	1.3									4.2	3.8
NNW	.3	1.3	1.3	.3								3.2	7.1
VARB													
CALM												11.7	
	2.2	33.3	19.4	8.7	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 309

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1726
STATION

MINGSVILLE, TX
STATION NAME

73-82
YEAR

DEC
MONTH

ALL WEATHER
CLASS

ALL
WINDS (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	5.0	5.9	3.8	.5	.0						15.9	7.5
NNE	1.7	2.5	2.5	1.4		.0						8.1	7.1
NE	.9	1.3	1.0	.4								3.6	6.0
NNE	1.0	.4	.4	.1	.0							2.3	4.6
E	1.7	1.6	.4	.1								3.0	4.3
ESE	.9	1.6	.4	.1								2.9	4.8
SE	1.2	3.8	2.7	1.7	.1							8.7	7.3
ESE	1.1	2.2	2.7	1.5	.1							7.7	7.6
S	.8	3.4	2.3	2.4	.8	.2						2.9	9.1
SSW	.4	.0	.4	.3								1.0	6.2
SW	.5	.5	.2									1.2	4.4
WSW	.3	.4	.1									1.3	3.4
W	.7	.2	.2	.1								1.5	4.6
WNW	.4	1.2	.2	.3								2.8	5.8
NW	1.5	1.7	1.1	.3	.1							4.7	5.7
NNW	2.1	3.1	3.0	2.3	.2	.1						10.8	7.4
VARB.												9.8	
CALM													
	10.7	29.6	24.0	14.7	1.8	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2476

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

17024 STATION KINGSVILLE, TX 73-82 YEARS ALL
 MONTH ALL
 CLASS ALL
 (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	1.9	3.0	3.3	1.8	.0	.0						10.4	7.6
NNE	1.3	1.5	1.9	1.0	.1	.0	.0					6.0	7.0
NE	.9	1.1	1.7	.3	.0	.0						3.8	6.1
NNE	1.1	1.0	.8	.3	.0	.0	.0	.0				3.3	5.7
E	2.4	2.3	2.1	.8	.0	.0		.0				7.5	6.0
ESE	1.3	2.8	3.8	3.7	.3	.0						12.5	9.3
SE	1.9	3.6	5.2	5.0	.7	.1	.0					16.4	9.5
SSE	1.7	3.4	3.9	2.6	.9	.0			.0			11.9	9.0
S	1.2	2.2	2.3	1.8	.2	.0				.0		7.5	7.8
SSW	.7	.6	.3	.2	.0							1.4	6.1
SW	.3	.3	.1	.0								.7	4.4
WSW	.5	.2	.1	.0								.7	3.4
W	.6	.3	.1	.0	.0	.0	.0					1.1	4.3
WW	.4	.0	.2	.1	.0	.0	.0					1.2	5.9
WNW	.7	.3	.6	.3	.1	.0						2.6	6.6
W	1.2	1.3	1.3	1.0	.2	.0						5.0	7.5
VARIABLE													
CALM												8.4	
	18.3	25.1	26.4	18.6	2.5	.3	.0	.0	.0			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 20196

8108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-24
STATION

KINGSVILLE, KY

STATION NAME

73-82

YEAR

ALL
MONTH

INSTRUMENT

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE

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

SPEED (DIRTY) DIR.	1-3	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	4.7	7.3	3.5	.8	.1						17.5	4.6
NNE	1.2	2.1	3.5	2.1	.2	.0	.0					9.4	6.2
NE	1.0	1.1	1.6	.7	.0							4.5	7.1
NNE	.9	1.7	1.1	.9	.0							3.4	6.4
E	1.5	2.1	1.7	.3		.7						5.7	5.7
ESE	1.1	2.2	2.9	1.9	.1							6.7	3.0
SE	.9	2.6	5.0	4.2	.2	.0						12.9	9.1
SSE	.8	2.1	3.7	2.9	.2	.1			.0			9.4	9.9
S	.6	1.5	2.2	1.2	.1							5.7	8.1
SSW	.1	.3	.3	.0								.4	5.8
SW	.9	.3	.7									.6	3.9
WSW	.2	.2	.1									.5	4.4
W	.7	.3	.2	.0								.6	5.1
WWV	.2	.5	.5	.1								1.4	6.3
NW	.6	1.1	1.5	.5	.0							3.6	7.0
NNW	1.3	1.9	3.2	2.0	.1	.0						8.6	8.1
VARL													
CALM												7.1	
	12.1	23.8	35.1	19.5	1.9	.3	.0		.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

4164

SMO

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	≥ 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, NC

13-82

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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	≥ 0		
NO CEILING	27.6	37.1	37.7	39.7	39.7	39.7	39.7	39.7	39.7	40.3	40.7	40.7	41.3	41.3	41.6	41.6
IN 3000	27.7	37.7	37.7	41.6	42.3	42.3	42.3	42.3	42.3	42.9	43.2	43.2	43.9	43.9	44.2	44.2
IN 1800	27.7	37.7	4.3	41.6	42.3	42.3	42.3	42.3	42.3	42.9	43.2	43.2	43.9	43.9	44.2	44.2
IN 1600	27.7	40.0	40.7	41.9	42.6	42.6	42.6	42.6	42.6	43.2	43.6	43.6	44.2	44.2	44.5	44.5
IN 1400	27.7	40.0	40.7	41.9	42.6	42.6	42.6	42.6	42.6	43.2	43.6	43.6	44.2	44.2	44.5	44.5
IN 1200	27.7	41.3	42.9	43.6	44.8	45.5	45.5	45.5	45.5	46.1	46.5	46.5	47.1	47.1	47.4	47.4
IN 1000	27.7	42.4	43.6	44.8	45.5	45.5	45.5	45.5	45.5	46.1	46.5	46.5	47.1	47.1	47.4	47.4
IN 800	27.7	43.0	44.2	45.5	46.1	46.1	46.1	46.1	46.1	46.8	47.1	47.1	47.7	47.7	48.1	48.1
IN 700	27.7	43.0	44.2	45.5	46.1	46.1	46.1	46.1	46.1	46.8	47.1	47.1	47.7	47.7	48.1	48.1
IN 600	27.7	44.0	45.5	46.8	47.4	47.4	47.4	47.4	47.4	48.1	48.4	48.4	49.0	49.0	49.4	49.4
IN 500	27.7	44.0	45.5	46.8	47.4	47.4	47.4	47.4	47.4	48.1	48.4	48.4	49.0	49.0	49.4	49.4
IN 4500	27.7	47.7	48.4	49.7	50.3	50.3	50.3	50.3	50.3	51.0	51.3	51.3	51.9	51.9	52.3	52.3
IN 4000	27.7	48.4	49.0	50.3	51.0	51.0	51.0	51.0	51.0	51.6	51.9	51.9	52.6	52.6	52.9	52.9
IN 3500	27.7	51.0	51.0	52.9	53.6	53.6	53.6	53.6	53.6	54.2	54.5	54.5	55.2	55.2	55.5	55.5
IN 3000	27.7	51.0	51.0	52.9	53.6	53.6	53.6	53.6	53.6	54.2	54.5	54.5	55.2	55.2	55.5	55.5
IN 2500	27.7	55.0	55.0	57.7	58.4	58.4	58.4	58.4	58.4	59.0	59.7	59.7	60.3	60.3	60.7	60.7
IN 2000	27.7	55.0	55.0	57.7	58.4	58.4	58.4	58.4	58.4	59.0	59.7	59.7	60.3	60.3	60.7	60.7
IN 1800	27.7	61.0	61.0	62.9	63.6	63.6	63.6	63.6	63.6	64.2	64.5	64.5	65.2	65.2	65.5	65.5
IN 1700	27.7	61.0	61.0	62.9	63.6	63.6	63.6	63.6	63.6	64.2	64.5	64.5	65.2	65.2	65.5	65.5
IN 1500	27.7	63.2	63.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.8	66.8	67.1	67.1	67.4	67.4
IN 1200	27.7	68.9	68.9	70.7	71.9	71.9	71.9	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.5	73.5
IN 1000	27.7	69.7	69.7	71.9	72.6	72.6	72.6	72.6	72.6	73.2	73.5	73.5	74.2	74.2	74.5	74.5
IN 900	27.7	71.0	71.0	73.0	73.6	73.6	73.6	73.6	73.6	74.2	74.5	74.5	75.2	75.2	75.5	75.5
IN 800	27.7	71.0	71.0	73.0	73.6	73.6	73.6	73.6	73.6	74.2	74.5	74.5	75.2	75.2	75.5	75.5
IN 700	27.7	75.9	75.9	77.4	78.1	78.1	78.1	78.1	78.1	78.8	79.0	79.0	80.3	80.3	80.7	80.7
IN 600	27.7	75.9	75.9	77.4	78.1	78.1	78.1	78.1	78.1	78.8	79.0	79.0	80.3	80.3	80.7	80.7
IN 500	27.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.7	81.0	81.0	81.9	81.9	82.3	82.3
IN 400	27.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.7	81.0	81.0	81.9	81.9	82.3	82.3
IN 300	27.7	80.3	80.3	82.0	82.6	82.6	82.6	82.6	82.6	83.2	83.5	83.5	84.2	84.2	84.5	84.5
IN 200	27.7	80.3	80.3	82.0	82.6	82.6	82.6	82.6	82.6	83.2	83.5	83.5	84.2	84.2	84.5	84.5
IN 100	27.7	81.3	81.3	83.9	84.1	84.1	84.1	84.1	84.1	84.9	85.2	85.2	86.1	86.1	86.5	86.5
IN 0	27.7	81.3	81.3	83.9	84.1	84.1	84.1	84.1	84.1	84.9	85.2	85.2	86.1	86.1	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS 71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: MT CULL, TX

STATION NAME

YEAR: 1957

YEAR

JAN

MARCH

MAY

NOV

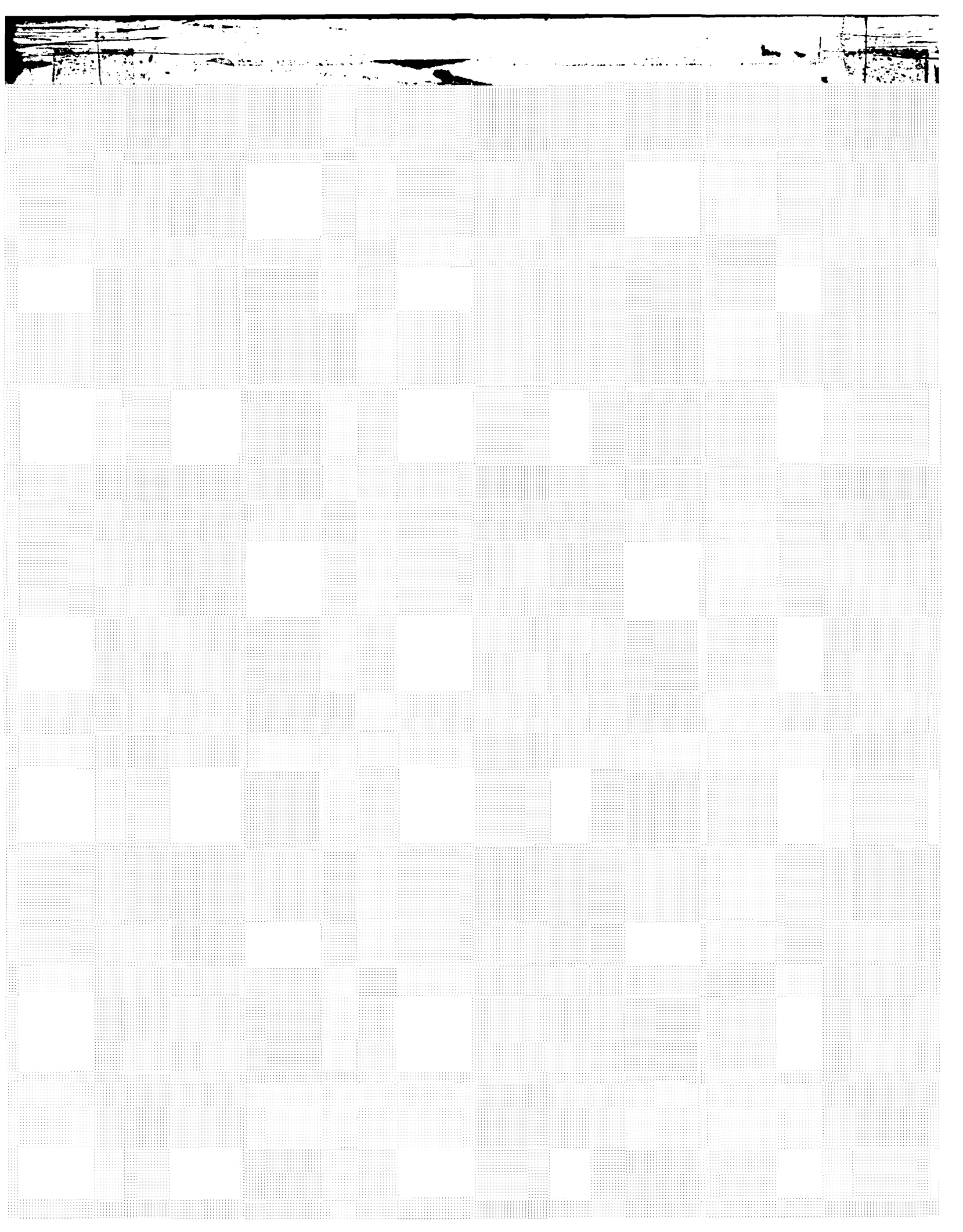
DECEMBER

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	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	24.0	30.8	31.6	32.9	33.6	33.7	33.9	33.9	33.9	34.2	34.5	34.8	35.8	35.8	36.1	37.1
IV 20000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 18000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 16000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 14000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 12000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 10000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 9000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 8000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 7000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 6000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 5000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 4500	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 4000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 3500	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 3000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 2500	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 2000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 1800	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 1500	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 1200	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 1000	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 900	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 800	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 700	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 600	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 500	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 400	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 300	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 200	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
IV 100	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0
AVG	22.1	22.3	33.6	34.8	35.5	35.5	35.8	35.8	35.8	36.1	36.5	36.8	37.7	37.7	38.1	38.0

TOTAL NUMBER OF OBSERVATIONS: 310

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	100.0	96.0	87.2	77.5	67.8	58.2	48.5	38.9	29.2	19.5	9.8	0.1	0.1	0.1	0.1	
IV 20000	100.0	96.1	87.1	77.0	67.3	57.7	48.0	38.3	28.6	18.9	9.2	0.1	0.1	0.1	0.1	
IV 18000	100.0	96.1	87.1	77.0	67.3	57.7	48.0	38.3	28.6	18.9	9.2	0.1	0.1	0.1	0.1	
IV 16000	100.0	96.1	87.1	77.0	67.3	57.7	48.0	38.3	28.6	18.9	9.2	0.1	0.1	0.1	0.1	
IV 14000	100.0	96.4	87.4	77.3	67.6	58.0	48.3	38.6	28.9	19.2	9.5	0.1	0.1	0.1	0.1	
IV 12000	100.0	96.7	87.7	77.6	67.9	58.3	48.6	38.9	29.2	19.5	9.8	0.1	0.1	0.1	0.1	
IV 10000	100.0	97.0	88.0	77.9	68.2	58.6	48.9	39.2	29.5	20.0	10.1	0.1	0.1	0.1	0.1	
IV 9000	100.0	97.3	88.3	78.2	68.5	58.9	49.2	39.5	29.8	20.3	10.4	0.1	0.1	0.1	0.1	
IV 8000	100.0	97.6	88.6	78.5	68.8	59.2	49.5	39.8	30.1	20.6	10.7	0.1	0.1	0.1	0.1	
IV 7000	100.0	97.9	88.9	78.8	69.1	59.5	49.8	40.1	30.4	20.9	11.0	0.1	0.1	0.1	0.1	
IV 6000	100.0	98.2	89.2	79.1	69.4	59.8	50.1	40.4	30.7	21.2	11.3	0.1	0.1	0.1	0.1	
IV 5000	100.0	98.5	89.5	79.4	69.7	60.1	50.4	40.7	31.0	21.5	11.6	0.1	0.1	0.1	0.1	
IV 4500	100.0	98.8	89.8	79.7	70.0	60.4	50.7	41.0	31.3	21.8	11.9	0.1	0.1	0.1	0.1	
IV 4000	100.0	99.1	90.1	80.0	70.3	60.7	51.0	41.3	31.6	22.1	12.2	0.1	0.1	0.1	0.1	
IV 3500	100.0	99.4	90.4	80.3	70.6	61.0	51.3	41.6	31.9	22.4	12.5	0.1	0.1	0.1	0.1	
IV 3000	100.0	99.7	90.7	80.6	70.9	61.3	51.6	41.9	32.2	22.7	12.8	0.1	0.1	0.1	0.1	
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 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	
IV 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	
IV 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	
IV 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	
IV 0	100.0	100.0	100.0	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 1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: YEARS: MONTH: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
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	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 18000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 16000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 14000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 12000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 10000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 9000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 8000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 7000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 6000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 5000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 4500	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 4000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 3500	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 3000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 2500	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 2000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 1800	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 1500	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 1200	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 1000	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 900	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 800	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 700	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 600	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 500	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 400	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 300	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 200	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 100	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IVV 0	77.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5

TOTAL NUMBER OF OBSERVATIONS: 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION MC GILLI, NC YEAR 1977 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

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	37.7	37.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 20000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 10000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 7000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 6000	56.8	56.8	56.8	56.8	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 5000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4500	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	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 3500	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500	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	71.0
IV 2000	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 1800	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 1500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1200	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	80.7
IV 1000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 900	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 800	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	87.4
IV 700	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	89.4
IV 600	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 500	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 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	97.4	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 200	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 100	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 0	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

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: KINGSVILLE, TN STATION NAME: 73-87 YEAR: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	
≥ 20000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
IV 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
IV 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	
IV 14000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
IV 12000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
IV 10000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
IV 9000	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 8000	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	61.6	
IV 7000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
IV 6000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
IV 5000	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	
IV 4500	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 4000	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	70.7	
IV 3500	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
IV 3000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
IV 2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
IV 2000	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 1800	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 1500	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 1200	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	
IV 1000	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 900	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	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
IV 700	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 600	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 500	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 400	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 300	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 200	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 100	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
IV 0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 27
STATION

WINGSVILLE, KY
STATION NAME

1-57
YEAR

JAN
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	37.2	43.2	46.7	46.2	44.2	40.2	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.2	45.5
IV 20000	37.2	46.7	49.4	49.7	49.7	49.7	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.3
IV 18000	37.2	46.7	49.4	49.7	49.7	49.7	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.3
IV 16000	37.2	46.7	49.4	49.7	49.7	49.7	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.3
IV 14000	35.2	40.0	49.7	50.0	50.0	50.0	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.3	51.6
IV 12000	30.1	50.3	51.0	51.3	51.3	51.3	51.9	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.6	52.9
IV 10000	20.1	51.3	51.9	52.3	52.3	52.3	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.6	53.9
IV 9000	20.1	51.3	51.9	52.3	52.3	52.3	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.6	53.9
IV 8000	31.1	53.7	53.9	54.2	54.2	54.2	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.5	55.8
IV 7000	37.7	54.6	55.5	55.8	55.8	55.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	57.1	57.4
IV 6000	30.1	55.5	56.1	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.7	58.1
IV 5000	30.7	56.5	57.1	57.4	57.4	57.4	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.7	59.1
IV 4500	30.7	57.1	57.7	58.1	58.1	58.1	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.7
IV 4000	30.0	58.4	59.0	59.4	59.4	59.4	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.7	61.0
IV 3500	40.0	60.7	61.3	61.6	61.6	61.6	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.9	63.2
IV 3000	42.3	62.6	63.2	63.6	63.9	63.9	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.5
IV 2500	43.6	65.5	66.1	66.5	66.8	66.8	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	68.1	68.4
IV 2000	44.9	68.4	69.0	69.4	69.7	69.7	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	71.0	71.3
IV 1800	45.2	69.4	70.0	70.3	70.7	70.7	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.9	72.3
IV 1500	45.5	73.2	73.9	74.5	74.8	74.8	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	76.1	76.5
IV 1200	47.4	73.9	74.5	75.5	75.8	75.8	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.4
IV 1000	47.1	76.5	77.1	78.1	78.4	78.4	79.0	79.0	79.0	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.3
IV 900	47.4	76.8	77.4	78.7	79.0	79.0	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 800	47.4	76.1	78.7	80.0	80.3	80.3	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.9	82.3
IV 700	47.4	78.4	79.4	80.7	81.0	81.0	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9
IV 600	47.4	80.0	81.9	83.6	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.8
IV 500	47.4	81.9	84.5	87.1	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.7	89.1
IV 400	47.4	82.3	84.1	88.1	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.7	91.0
IV 300	47.4	82.3	84.1	88.1	89.0	89.4	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.7	91.0
IV 200	47.4	82.6	86.5	89.0	90.0	90.7	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6	92.9
IV 100	47.4	82.6	86.5	90.0	91.3	91.6	92.6	92.6	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.8	94.1
IV 0	47.4	82.6	86.5	90.0	91.3	91.6	92.6	92.6	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.8	94.1

TOTAL NUMBER OF OBSERVATIONS 816

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 1954
STATION

KINGVILLE, TX
STATION NAME

73-02
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 3	≥ 2 1/2	≥ 2 1/4	≥ 2 1/8	≥ 2	≥ 1 3/4	≥ 1 1/2	≥ 1 1/8	≥ 1	
NO CEILING	2.0	14.8	35.0	35.5	35.9	35.9	34.2	36.2	36.2	36.4	36.6	36.7	36.9	37.1	37.3	37.7
IV 20000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 18000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 16000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 14000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 12000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 10000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 9000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 8000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 7000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 6000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 5000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 4500	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 4000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 3500	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 3000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 2500	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 2000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 1800	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 1600	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 1400	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 1200	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 1000	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 900	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 800	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 700	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 600	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 500	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 400	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 300	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 200	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 100	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7
IV 0	21.3	41.2	40.9	41.5	41.8	41.9	42.2	42.2	42.2	42.5	42.7	42.7	43.0	43.1	43.3	43.7

TOTAL NUMBER OF OBSERVATIONS 2471

DIRNAVOC JANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1922
STATION

ASHEVILLE, NC
STATION NAME

1922
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO
HOURS (C.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	57.4	46.1	47.2	47.8	47.9	47.9	47.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 20000	46.1	50.4	51.4	51.8	52.1	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 18000	40.1	50.4	51.4	51.8	52.1	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 16000	40.1	50.4	51.4	51.8	52.1	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 14000	40.1	50.7	51.8	52.1	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	40.1	50.7	51.8	52.1	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000	40.1	51.4	52.8	52.8	53.2	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 9000	40.1	51.4	52.8	52.8	53.2	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 8000	41.2	52.1	53.2	53.9	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	42.4	53.6	54.6	55.3	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 6000	42.4	53.6	54.6	55.3	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 5000	42.4	54.6	55.7	56.4	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4500	43.3	55.3	56.4	57.1	57.5	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4000	43.4	56.4	57.5	58.2	58.8	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 3500	45.3	58.9	59.9	60.6	61.0	61.0	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 3000	45.3	61.0	62.1	62.8	63.1	63.1	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500	46.1	63.4	64.4	65.6	66.0	66.0	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2000	47.9	66.3	67.4	68.1	68.4	68.4	69.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 1800	47.9	67.4	68.4	69.2	69.9	69.9	70.6	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 1500	47.9	70.6	71.6	72.7	73.1	73.1	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1200	47.9	72.7	73.1	74.1	74.8	74.8	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1000	47.9	73.4	74.5	75.4	76.2	76.2	77.0	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	49.3	74.5	75.4	77.3	77.7	77.7	78.0	78.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 800	49.7	76.6	76.6	80.1	80.9	80.9	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 700	50.0	78.7	80.5	82.3	83.0	83.0	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 600	50.0	80.5	83.0	84.8	85.8	85.8	86.2	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 500	50.0	82.3	85.1	86.9	87.6	87.6	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 400	50.0	82.3	85.8	87.6	88.7	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 300	50.0	82.3	85.8	88.3	89.7	89.7	90.8	90.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 200	50.0	83.0	86.9	89.4	91.1	91.1	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	50.0	83.0	86.9	89.4	91.1	91.1	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	50.0	53.0	66.5	89.8	91.1	91.1	92.9	94.0	94.7	95.4	95.7	95.7	95.7	96.1	96.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 222

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17-28
STATION

ASHEVILLE, NC
STATION NAME

73-82
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	21.7	36.2	37.6	39.7	40.4	40.4	41.1	41.1	41.5	41.5	41.8	41.8	42.9	42.9	42.9	43.6
≥ 2000	38.1	38.3	39.7	41.1	42.9	42.9	43.6	43.6	44.0	44.0	44.3	44.3	45.7	45.7	45.7	46.5
≥ 1800	30.1	38.3	39.7	41.1	42.9	42.9	43.6	43.6	44.0	44.0	44.3	44.3	45.7	45.7	45.7	46.5
≥ 1600	30.5	38.7	40.1	41.5	43.3	43.3	44.0	44.0	44.7	44.7	45.0	45.0	46.1	46.1	46.1	46.9
≥ 1400	30.5	38.7	40.1	41.5	43.3	43.3	44.0	44.0	44.7	44.7	45.0	45.0	46.1	46.1	46.1	46.9
≥ 1200	30.5	38.7	40.1	41.5	43.3	43.3	44.0	44.0	44.7	44.7	45.0	45.0	46.1	46.1	46.1	46.9
≥ 1000	30.5	38.7	40.1	41.5	43.3	43.3	44.0	44.0	44.7	44.7	45.0	45.0	46.1	46.1	46.1	46.9
≥ 900	31.2	40.4	41.8	43.3	45.0	45.0	45.7	45.7	46.1	46.1	46.5	46.5	47.9	47.9	47.9	48.6
≥ 800	32.5	41.5	42.9	44.3	46.5	46.5	47.2	47.2	47.9	47.9	47.9	47.9	49.3	49.3	49.3	50.0
≥ 700	32.5	42.6	44.0	45.4	47.8	47.8	48.2	48.2	48.6	48.6	48.9	48.9	50.4	50.4	50.4	51.1
≥ 600	33.3	43.6	45.0	46.5	48.6	48.6	49.3	49.3	49.7	49.7	50.0	50.0	51.4	51.4	51.4	52.1
≥ 500	34.4	44.7	46.1	47.8	49.7	49.7	50.4	50.4	50.7	50.7	51.1	51.1	52.5	52.5	52.5	53.2
≥ 450	34.4	44.7	46.1	47.8	49.7	49.7	50.4	50.4	50.7	50.7	51.1	51.1	52.5	52.5	52.5	53.2
≥ 400	34.4	44.7	46.1	47.8	49.7	49.7	50.4	50.4	50.7	50.7	51.1	51.1	52.5	52.5	52.5	53.2
≥ 350	35.2	47.5	49.3	51.1	53.2	53.2	54.3	54.3	54.6	54.6	55.0	55.0	56.4	56.4	56.4	57.1
≥ 300	36.2	48.9	50.7	52.8	54.6	54.6	56.0	56.0	56.4	56.4	56.7	56.7	58.2	58.2	58.2	58.9
≥ 250	39.7	53.2	55.0	57.1	59.2	59.2	61.0	61.0	61.4	61.4	61.7	61.7	63.1	63.1	63.1	64.7
≥ 200	39.7	53.2	55.0	57.1	59.2	59.2	61.0	61.0	61.4	61.4	61.7	61.7	63.1	63.1	63.1	64.7
≥ 1800	39.7	53.2	55.0	57.1	59.2	59.2	61.0	61.0	61.4	61.4	61.7	61.7	63.1	63.1	63.1	64.7
≥ 1600	39.7	53.2	55.0	57.1	59.2	59.2	61.0	61.0	61.4	61.4	61.7	61.7	63.1	63.1	63.1	64.7
≥ 1400	39.7	53.2	55.0	57.1	59.2	59.2	61.0	61.0	61.4	61.4	61.7	61.7	63.1	63.1	63.1	64.7
≥ 1200	40.4	60.4	63.1	66.0	68.4	68.4	70.2	70.2	70.6	70.6	71.3	71.3	72.8	72.8	72.8	74.1
≥ 1000	41.5	60.4	63.1	66.0	68.4	68.4	70.2	70.2	70.6	70.6	71.3	71.3	72.8	72.8	72.8	74.1
≥ 900	41.5	60.4	63.1	66.0	68.4	68.4	70.2	70.2	70.6	70.6	71.3	71.3	72.8	72.8	72.8	74.1
≥ 800	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 700	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 600	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 500	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 450	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 400	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 350	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 300	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 250	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 200	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
≥ 100	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9
0	42.2	65.0	67.8	71.6	74.1	74.1	75.9	75.9	76.2	76.2	77.0	77.0	78.7	78.7	78.7	79.9

TOTAL NUMBER OF OBSERVATIONS 272

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TX

71-92

FE0

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	≥ 0	≥ 0	
NO CEILING	24.1	36.3	38.7	39.4	39.4	39.4	39.7	40.0	40.0	41.1	41.5	41.5	42.6	42.9	43.3	43.7
≥ 20000	75.7	39.7	40.0	41.5	41.5	41.5	41.8	42.9	42.9	43.3	43.6	43.6	44.7	45.0	45.8	47.2
IVY 18000	25.7	39.7	40.0	41.5	41.5	41.5	41.8	42.9	42.9	43.3	43.6	43.6	44.7	45.0	45.4	47.2
IVY 14000	25.7	39.7	40.0	41.5	41.5	41.5	41.8	42.9	42.9	43.3	43.6	43.6	44.7	45.0	45.4	47.2
IVY 12000	25.7	39.7	41.1	41.8	41.8	41.8	42.2	43.3	43.3	43.6	44.7	44.0	45.0	45.4	45.7	47.5
IVY 10000	25.7	40.1	42.2	42.9	42.9	42.9	43.3	44.3	44.3	44.7	45.0	45.0	46.1	46.5	46.8	48.6
IVY 9000	25.7	40.1	42.2	42.9	42.9	42.9	43.3	44.3	44.3	44.7	45.0	45.0	46.1	46.5	46.8	48.6
IVY 8000	25.7	40.1	42.2	42.9	42.9	42.9	43.3	44.3	44.3	44.7	45.0	45.0	46.1	46.5	46.8	48.6
IVY 7000	27.7	41.5	43.3	44.0	44.0	44.0	44.3	45.4	45.4	45.7	46.8	46.8	47.2	47.5	47.9	49.7
IVY 6000	27.7	41.5	44.0	44.7	44.7	44.7	45.0	46.1	46.1	46.5	46.8	46.8	47.9	48.2	48.6	50.4
IVY 5000	27.7	42.6	44.7	45.4	45.4	45.4	45.7	46.8	46.8	47.2	47.5	47.5	48.6	48.9	49.3	51.1
IVY 4500	27.7	43.4	45.7	46.5	46.5	46.5	46.8	47.9	47.9	48.2	48.6	48.6	49.7	50.0	50.4	52.1
IVY 4000	27.7	44.3	46.5	47.2	47.2	47.2	47.5	48.6	48.6	48.9	49.3	49.3	50.4	50.7	51.1	52.8
IVY 3500	27.7	45.4	47.5	48.2	48.2	48.2	48.6	49.7	49.7	50.0	50.4	50.4	51.5	51.8	52.1	53.9
IVY 3000	27.7	46.1	48.2	48.9	48.9	48.9	49.3	50.4	50.4	50.7	51.1	51.1	52.1	52.5	52.8	54.6
IVY 2500	27.7	48.9	51.1	52.5	52.5	52.5	52.8	53.9	53.9	54.3	54.6	54.6	55.7	56.0	56.4	58.2
IVY 2000	27.7	52.1	54.3	55.7	55.7	55.7	56.0	56.4	56.4	56.8	57.1	57.1	58.2	58.5	58.9	60.7
IVY 1800	27.7	52.1	55.7	56.7	57.1	57.1	57.5	58.5	58.5	59.2	59.4	59.4	60.7	61.0	61.4	63.1
IVY 1500	27.7	56.7	59.2	61.0	62.1	62.1	62.8	63.8	63.8	64.5	64.9	64.9	66.0	66.3	66.7	68.4
IVY 1200	27.7	58.2	61.7	63.1	64.2	64.2	64.9	66.0	66.0	66.7	67.0	67.0	68.1	68.4	68.8	70.6
IVY 1000	27.7	62.1	64.9	67.0	68.1	68.1	69.2	70.2	70.2	70.9	71.3	71.3	72.3	72.7	73.1	74.8
IVY 900	27.7	62.8	65.6	68.1	69.2	69.2	70.2	71.3	71.3	72.0	72.3	72.3	73.4	73.8	74.1	75.9
IVY 800	27.7	63.3	65.3	68.0	70.0	70.0	71.1	72.1	72.1	72.8	73.2	73.2	74.3	74.6	75.0	76.7
IVY 700	27.7	67.4	70.6	73.1	74.1	74.1	75.2	76.2	76.2	77.0	77.3	77.3	78.4	78.7	79.1	80.9
IVY 600	27.7	69.1	72.0	74.5	75.5	75.5	76.6	77.7	77.7	78.4	78.7	78.7	79.8	80.1	80.5	82.3
IVY 500	27.7	69.4	72.1	75.5	77.0	77.0	78.7	80.1	80.1	80.9	81.2	81.2	82.3	82.6	83.0	84.8
IVY 400	27.7	69.2	74.1	77.0	78.7	78.7	80.5	82.0	82.0	83.3	83.7	83.7	85.1	85.5	85.9	87.6
IVY 300	27.7	69.9	74.8	78.0	79.8	79.8	82.6	84.8	84.8	86.8	86.8	86.8	88.7	89.0	89.4	91.1
IVY 200	27.7	67.0	74.0	78.7	81.2	81.2	84.8	86.9	86.9	88.3	89.4	89.4	92.2	92.2	92.9	94.7
IVY 100	27.7	67.0	74.0	78.7	81.2	81.2	84.8	86.9	86.9	87.2	88.7	89.1	90.4	90.4	91.1	92.8
IVY 0	27.7	67.0	74.0	78.7	81.2	81.2	84.8	86.9	86.9	87.2	88.7	89.1	90.4	90.4	91.1	92.8

TOTAL NUMBER OF OBSERVATIONS 242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17324
STATION

MINDSVILLE, TN
STATION NAME

73-82
YEAR

FEB
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	≥ 0	≥ 0
NO CEILING	12.7	33.8	34.9	35.6	36.7	36.7	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	36.1
≥ 3000	13.2	37.4	38.2	39.9	40.9	40.9	40.9	40.9	41.7	41.3	41.3	41.3	41.3	42.0	42.7
18000	13.2	37.4	37.2	39.9	40.9	40.9	40.9	40.9	41.7	41.3	41.3	41.3	41.3	42.0	42.7
14000	13.2	37.4	37.2	39.9	40.9	40.9	40.9	40.9	41.7	41.3	41.3	41.3	41.3	42.0	42.7
12000	13.2	37.7	39.8	41.2	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	42.4	42.4
10000	13.2	37.4	39.2	40.9	42.0	42.0	42.0	42.0	42.9	42.9	42.9	42.9	42.9	43.1	43.8
9000	13.2	39.9	42.0	42.7	43.8	43.8	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.8	45.6
8000	13.2	40.2	42.9	43.1	44.1	44.1	44.1	44.1	44.5	44.5	44.5	44.5	44.5	45.2	45.9
7000	13.2	41.6	43.8	44.5	45.6	45.6	45.6	45.6	45.9	45.9	45.9	45.9	45.9	46.6	47.3
6000	13.2	42.4	44.8	45.6	46.6	46.6	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.7	48.4
5000	13.2	43.1	45.2	46.3	47.3	47.3	47.3	47.3	47.7	47.7	47.7	47.7	47.7	48.4	49.1
4500	13.2	44.5	47.0	48.0	49.1	49.1	49.1	49.1	49.8	49.8	49.8	49.8	49.8	50.2	50.9
4000	13.2	45.5	48.4	49.8	50.5	50.5	50.5	50.5	50.9	50.9	50.9	50.9	50.9	51.6	52.3
3500	13.2	46.6	49.1	50.2	51.3	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	52.3	53.0
3000	13.2	47.0	49.8	50.5	52.0	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	53.0	53.7
2500	13.2	48.0	50.9	53.0	54.5	54.5	54.5	54.5	54.8	54.8	54.8	54.8	54.8	55.5	56.2
2000	17.1	50.4	54.1	56.2	57.7	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.7	59.4
1800	17.1	52.0	55.2	59.1	60.5	60.5	60.5	60.5	60.9	60.9	60.9	60.9	60.9	61.6	62.3
1500	17.1	52.3	56.6	59.4	60.9	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.6	62.3	63.0
1200	17.1	55.5	60.8	64.9	66.2	66.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	67.6	68.3
1000	17.1	56.2	62.3	66.9	69.0	69.4	69.4	69.4	69.8	69.8	69.8	69.8	69.8	70.5	71.2
900	17.1	59.4	65.5	71.1	72.2	73.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	74.4	75.1
800	17.1	60.1	66.9	71.5	73.7	74.4	74.4	74.4	75.1	75.4	75.4	75.4	75.4	76.2	76.9
700	17.1	60.9	68.3	73.3	76.2	76.9	77.2	77.2	77.6	77.9	77.9	77.9	77.9	78.7	79.4
600	17.1	61.6	69.0	74.0	76.9	77.6	77.9	77.9	78.3	78.7	78.7	78.7	78.7	79.4	80.1
500	17.1	61.9	67.8	76.2	79.9	80.1	80.8	80.8	81.1	81.9	81.9	81.9	81.9	82.6	83.3
400	17.1	62.6	70.5	77.9	81.1	82.6	84.0	84.0	84.7	85.1	86.1	86.1	86.1	86.8	87.5
300	17.1	63.3	70.8	78.7	82.2	84.0	85.4	85.4	86.8	86.8	89.0	89.0	89.0	89.7	90.4
200	17.1	63.7	70.8	78.7	82.2	84.3	85.8	85.8	86.8	89.3	91.5	92.2	92.2	92.8	93.7
100	17.1	63.4	71.2	79.1	82.6	84.7	86.8	86.8	90.8	90.8	93.6	94.7	94.7	95.4	96.1
0	17.1	63.9	71.2	79.1	82.6	84.7	86.8	86.8	92.0	92.8	93.6	94.7	94.7	96.1	97.2

TOTAL NUMBER OF OBSERVATIONS 211

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1982

KINGSVILLE, TX

73-82

FEB

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	≥ ¼	≥ 0	
NO CEILING	13.4	36.2	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 20000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 16000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 10000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	21.3	41.3	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	23.1	47.4	47.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 7000	23.1	46.6	46.3	46.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 6000	23.1	46.9	46.7	46.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 5000	23.0	51.1	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4500	23.0	51.1	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4000	23.0	51.0	52.5	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 3500	25.2	55.0	55.7	56.4	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3000	25.7	57.0	58.9	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2500	27.7	65.3	66.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2000	28.7	69.9	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
≥ 1800	28.7	71.3	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1600	28.0	76.2	79.4	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1400	28.0	76.4	79.4	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	28.0	79.1	82.6	85.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	28.0	79.1	83.0	85.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	28.0	79.0	84.0	87.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	28.0	80.1	84.8	88.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	28.0	80.8	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	28.0	80.8	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 300	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 200	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 100	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0	28.0	80.9	85.8	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-27
STATION

ASHEVILLE, NC

STATION NAME

73-62

YEARS

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 1957

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	41.0	43.6	44.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 20000	51.8	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 18000	51.8	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 16000	51.8	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	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	52.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000	52.1	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 8000	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 7000	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 6000	62.1	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	63.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	64.5	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	65.6
IV 4000	66.7	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 3500	69.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3000	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2500	78.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 2000	80.9	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	80.9	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	83.3	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	85.5	85.5
IV 1200	84.3	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 1000	84.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	84.3	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	89.0	89.0
IV 800	84.3	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	89.0	89.0
IV 700	84.3	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	89.0	89.0
IV 600	84.3	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	89.0	89.0
IV 500	84.3	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	89.0	89.0
IV 400	84.3	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	89.0	89.0
IV 300	84.3	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	89.0	89.0
IV 200	84.3	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	89.0	89.0
IV 100	84.3	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	89.0	89.0
IV 0	84.3	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	89.0	89.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950-1951 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	47.9	47.9	46.2	44.3	42.2	40.2	38.2	36.2	34.2	32.2	30.2	28.2	26.2	24.2	22.2
IV 20000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 18000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 16000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 14000	60.6	60.6	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	62.1	62.1	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 10000	64.9	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 7000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000	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	72.0
IV 5000	73.1	73.1	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	74.1	74.1	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 4000	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 3500	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 2000	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1500	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 1200	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1000	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 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	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 600	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 500	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 400	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 300	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 200	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 100	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 0	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

TOTAL NUMBER OF OBSERVATIONS 252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 73-77 MONTH: FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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	53.3	53.2	53.9	54.6	54.7	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	57.1	57.1	57.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 18000	57.1	57.1	57.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	57.1	57.1	57.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 14000	57.5	57.5	58.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	59.2	59.2	59.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	60.3	60.3	61.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	61.0	61.0	61.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	62.4	62.4	63.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 7000	63.1	63.1	63.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 6000	63.8	63.8	64.5	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 5000	64.5	64.5	65.2	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 4500	65.2	65.2	65.9	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	66.0	66.0	66.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 3500	67.0	67.0	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 3000	67.7	67.7	68.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 2500	68.5	68.5	69.2	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 2000	69.2	69.2	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	69.9	69.9	70.6	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 1500	70.6	70.6	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 1200	71.3	71.3	72.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 1000	72.0	72.0	72.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 900	72.7	72.7	73.4	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 800	73.4	73.4	74.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 700	74.1	74.1	74.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 600	74.8	74.8	75.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 500	75.5	75.5	76.2	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 400	76.2	76.2	76.9	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 300	76.9	76.9	77.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 200	77.6	77.6	78.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 100	78.3	78.3	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
IV 0	79.0	79.0	79.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

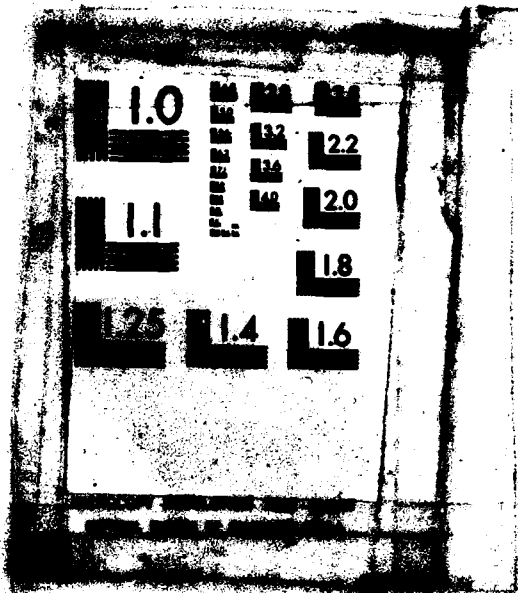
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	¼	≥ 0
NO CEILING	41.7	47.7	53.1	47.3	43.8	47.7	47.9	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 20000	45.4	47.7	53.1	47.3	43.8	47.7	47.9	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 18000	45.4	47.7	53.1	47.3	43.8	47.7	47.9	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 16000	45.4	47.7	53.1	47.3	43.8	47.7	47.9	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 14000	47.5	48.4	49.1	47.5	43.8	47.5	47.8	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 12000	47.5	48.4	49.1	47.5	43.8	47.5	47.8	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 10000	47.5	48.4	49.1	47.5	43.8	47.5	47.8	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 9000	47.5	48.4	49.1	47.5	43.8	47.5	47.8	44.0	44.0	44.1	44.1	44.6	44.1	44.1	44.1	44.1
IV 8000	51.7	52.4	53.1	51.4	47.5	52.0	52.2	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6
IV 7000	51.7	52.4	53.1	51.4	47.5	52.0	52.2	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6
IV 6000	51.7	52.4	53.1	51.4	47.5	52.0	52.2	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6
IV 5000	51.7	52.4	53.1	51.4	47.5	52.0	52.2	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6
IV 4500	55.7	57.4	58.1	57.8	53.9	58.7	58.0	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2
IV 4000	55.7	57.4	58.1	57.8	53.9	58.7	58.0	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2
IV 3500	61.7	61.4	61.1	61.7	61.9	61.9	62.2	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 3000	61.7	61.4	61.1	61.7	61.9	61.9	62.2	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2500	67.7	67.4	67.1	67.0	67.7	67.7	68.1	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6
IV 2000	67.7	67.4	67.1	67.0	67.7	67.7	68.1	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6
IV 1800	67.7	67.4	67.1	67.0	67.7	67.7	68.1	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6
IV 1500	67.7	67.4	67.1	67.0	67.7	67.7	68.1	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6
IV 1200	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 1000	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 900	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 800	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 700	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 600	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 500	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 400	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 300	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 200	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 100	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IV 0	71.7	71.4	71.1	71.0	71.7	71.7	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6

TOTAL NUMBER OF OBSERVATIONS 225

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1752E
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OR
MONTHLY

CEILING (FEET)	VISIBILITY (STATURE FEET)															
	≥ 10	≥ 2	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	25.2	38.4	39.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	27.2	44.8	46.1	47.1	47.0	47.0	47.0	47.0	47.0	47.0	47.7	47.7	47.7	47.7	47.7	47.7
≥ 15000	29.4	44.8	46.1	47.1	47.0	47.0	47.0	47.0	47.0	47.0	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	29.4	44.8	46.1	47.1	47.0	47.0	47.0	47.0	47.0	47.0	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7500	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 3000	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 2000	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 1500	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 1000	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 800	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 600	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 400	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 300	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 200	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 100	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7
≥ 0	31.0	47.0	49.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7

TOTAL NUMBER OF OBSERVATIONS 115

DIRNAVOCEANMET SMO

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17-26
STATE

WINGSVILLE, TN
STATION NAME

73-82
YEAR

MAP
SERIES

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
MONTHLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING	22.9	32.2	34.8	34.8	33.8	30.8	30.8	30.1	30.1	30.1	31.1	31.1	31.1	30.1	30.1	30.7
≥ 3000	24.0	30.8	31.7	31.7	30.8	29.4	29.4	29.7	29.7	29.7	30.7	30.7	30.7	31.7	31.7	31.6
≥ 1500	24.0	30.8	31.7	31.7	30.8	29.4	29.4	29.7	29.7	29.7	30.7	30.7	30.7	31.7	31.7	31.6
≥ 1000	24.0	30.8	31.7	31.7	30.8	29.4	29.4	29.7	29.7	29.7	30.7	30.7	30.7	31.7	31.7	31.6
≥ 700	25.0	31.7	32.7	32.7	30.7	28.7	28.7	29.7	29.7	29.7	31.7	31.7	31.7	32.7	32.7	32.7
≥ 500	25.0	31.7	32.7	32.7	30.7	28.7	28.7	29.7	29.7	29.7	31.7	31.7	31.7	32.7	32.7	32.7
≥ 300	26.0	32.7	33.7	33.7	31.7	29.7	29.7	30.7	30.7	30.7	32.7	32.7	32.7	33.7	33.7	33.7
≥ 200	26.0	32.7	33.7	33.7	31.7	29.7	29.7	30.7	30.7	30.7	32.7	32.7	32.7	33.7	33.7	33.7
≥ 150	26.0	32.7	33.7	33.7	31.7	29.7	29.7	30.7	30.7	30.7	32.7	32.7	32.7	33.7	33.7	33.7
≥ 100	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 75	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 50	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 25	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 10	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 5	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 2	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ 1	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .8	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .6	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .5	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .4	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .3	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .2	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
≥ .1	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7
0	27.0	33.7	34.7	34.7	32.7	30.7	30.7	31.7	31.7	31.7	33.7	33.7	33.7	34.7	34.7	34.7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12038
STATION

KINGSVILLE, TX
STATION NAME

72-82
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATURE FEET)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	19.7	20.0	27.0	29.2	29.9	29.7	30.0	30.0	30.0	30.7	30.9	30.7	31.3	31.3	31.0	33.6
≥ 2000	21.9	21.9	22.0	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
≥ 1500	21.9	21.9	22.0	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
≥ 1000	21.9	21.9	22.0	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
≥ 700	22.0	22.0	21.7	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
≥ 500	23.0	23.0	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	20.0
≥ 300	23.0	23.0	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	20.0
≥ 200	23.0	23.0	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	20.0
≥ 150	24.0	24.0	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	20.0
≥ 100	24.0	24.0	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	20.0
≥ 75	24.0	24.0	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	20.0
≥ 50	24.0	24.0	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	20.0
≥ 25	24.0	24.0	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	20.0
≥ 15	24.0	24.0	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	20.0
≥ 10	24.0	24.0	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	20.0
≥ 5	24.0	24.0	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	20.0
≥ 3	24.0	24.0	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	20.0
≥ 2	24.0	24.0	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	20.0
≥ 1 1/2	24.0	24.0	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	20.0
≥ 1 1/4	24.0	24.0	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	20.0
≥ 1	24.0	24.0	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	20.0
≥ 3/4	24.0	24.0	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	20.0
≥ 1/2	24.0	24.0	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	20.0
≥ 1/4	24.0	24.0	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	20.0
≥ 1/8	24.0	24.0	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	20.0
≥ 0	24.0	24.0	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	20.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12426
DATE

ASHEVILLE, TN
STATION NAME

75-82
YEAR

NAP
NO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07
MONTH (U.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0	≥ 0
NO CEILING	11.2	24.2	24.2	24.2	21.2	20.2	18.2	18.2	15.2	15.2	12.2	12.2	10.2	10.2	8.2	8.2
≥ 3000	17.2	31.2	31.2	31.2	28.2	27.2	25.2	25.2	22.2	22.2	19.2	19.2	17.2	17.2	15.2	15.2
≥ 1600	13.2	27.2	27.2	27.2	24.2	23.2	21.2	21.2	18.2	18.2	15.2	15.2	13.2	13.2	11.2	11.2
≥ 1400	12.2	26.2	26.2	26.2	23.2	22.2	20.2	20.2	17.2	17.2	14.2	14.2	12.2	12.2	10.2	10.2
≥ 1200	11.2	25.2	25.2	25.2	22.2	21.2	19.2	19.2	16.2	16.2	13.2	13.2	11.2	11.2	9.2	9.2
≥ 1000	10.2	24.2	24.2	24.2	21.2	20.2	18.2	18.2	15.2	15.2	12.2	12.2	10.2	10.2	8.2	8.2
≥ 800	9.2	23.2	23.2	23.2	20.2	19.2	17.2	17.2	14.2	14.2	11.2	11.2	9.2	9.2	7.2	7.2
≥ 700	8.2	22.2	22.2	22.2	19.2	18.2	16.2	16.2	13.2	13.2	10.2	10.2	8.2	8.2	6.2	6.2
≥ 600	7.2	21.2	21.2	21.2	18.2	17.2	15.2	15.2	12.2	12.2	9.2	9.2	7.2	7.2	5.2	5.2
≥ 500	6.2	20.2	20.2	20.2	17.2	16.2	14.2	14.2	11.2	11.2	8.2	8.2	6.2	6.2	4.2	4.2
≥ 400	5.2	19.2	19.2	19.2	16.2	15.2	13.2	13.2	10.2	10.2	7.2	7.2	5.2	5.2	3.2	3.2
≥ 300	4.2	18.2	18.2	18.2	15.2	14.2	12.2	12.2	9.2	9.2	6.2	6.2	4.2	4.2	2.2	2.2
≥ 200	3.2	17.2	17.2	17.2	14.2	13.2	11.2	11.2	8.2	8.2	5.2	5.2	3.2	3.2	1.2	1.2
≥ 100	2.2	16.2	16.2	16.2	13.2	12.2	10.2	10.2	7.2	7.2	4.2	4.2	2.2	2.2	0.2	0.2
≥ 50	1.2	15.2	15.2	15.2	12.2	11.2	9.2	9.2	6.2	6.2	3.2	3.2	1.2	1.2	0.2	0.2
≥ 0	0.2	14.2	14.2	14.2	11.2	10.2	8.2	8.2	5.2	5.2	2.2	2.2	0.2	0.2	0.2	0.2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17978
DATE

WINNSVILLE, TN
STATION NAME

72-62
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
NOON (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	17.7	60.6	61.1	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3000	20.3	58.8	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1000	24.5	59.2	62.8	60.6	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 1400	28.8	57.8	63.8	61.8	61.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1400	29.6	59.4	61.2	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 1200	25.2	62.7	62.8	62.8	62.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1000	25.7	63.4	64.7	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 900	28.2	62.7	63.8	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 800	28.5	67.2	68.9	69.2	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 700	27.5	69.3	70.8	71.8	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 600	27.8	69.4	71.8	71.8	71.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 500	27.8	73.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 400	27.6	70.4	72.8	72.1	72.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 300	28.2	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 200	28.2	72.8	74.0	75.1	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 100	28.1	72.8	73.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 0	29.1	76.4	76.8	77.8	77.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	29.1	78.0	81.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1000	29.1	79.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1000	29.1	81.4	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
≥ 1000	29.1	84.8	87.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	29.1	86.8	89.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	29.1	88.8	91.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	29.1	89.8	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	29.1	91.8	93.8	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
≥ 1000	29.1	93.8	94.8	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
≥ 1000	29.1	95.8	96.8	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
≥ 1000	29.1	97.8	98.8	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
≥ 1000	29.1	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
≥ 1000	29.1	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
≥ 1000	29.1	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
≥ 1000	29.1	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
≥ 1000	29.1	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

UNCLASSIFIED

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12026
STATION

WINGVILLE, TX

75-82

PAR
MILES

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	26.5	45.0	46.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	30.7	51.0	52.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	35.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	39.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	38.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	32.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	32.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	32.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	33.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4000	34.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 2000	34.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 1000	35.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 500	36.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 200	37.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 100	37.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 0	37.7	51.0	52.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1926
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS (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	20.1	34.9	33.5	34.1	34.2	34.4	34.8	34.5	34.8	34.6	34.8	34.8	37.0	37.0	37.0	37.0
≥ 2000	23.7	42.9	44.7	43.2	43.3	43.5	43.6	43.7	43.8	43.8	43.7	43.7	46.1	46.2	46.2	46.6
≥ 1800	23.7	42.9	44.7	43.2	43.3	43.5	43.6	43.7	43.8	43.8	43.7	43.7	46.1	46.2	46.2	46.6
≥ 1600	24.1	44.4	46.0	45.0	45.0	45.0	45.2	45.2	45.2	45.3	45.3	45.3	48.5	48.6	48.7	49.1
≥ 1400	24.7	46.0	47.6	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	50.1	50.2	50.2	50.6
≥ 1200	25.4	47.1	48.7	47.7	47.7	47.7	47.9	47.9	47.9	48.0	48.0	48.0	51.2	51.3	51.3	51.7
≥ 1000	25.4	47.1	48.7	47.7	47.7	47.7	47.9	47.9	47.9	48.0	48.0	48.0	51.2	51.3	51.3	51.7
≥ 800	26.1	48.7	50.3	49.3	49.3	49.3	49.5	49.5	49.5	49.6	49.6	49.6	52.8	52.9	52.9	53.3
≥ 700	26.1	48.7	50.3	49.3	49.3	49.3	49.5	49.5	49.5	49.6	49.6	49.6	52.8	52.9	52.9	53.3
≥ 600	26.6	51.2	52.8	51.8	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	55.3	55.4	55.4	55.8
≥ 500	26.6	51.2	52.8	51.8	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	55.3	55.4	55.4	55.8
≥ 400	26.7	51.8	53.4	52.4	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.7	55.9	56.0	56.0	56.4
≥ 300	26.7	51.8	53.4	52.4	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.7	55.9	56.0	56.0	56.4
≥ 200	27.4	54.1	55.7	54.7	54.7	54.7	54.9	54.9	54.9	55.0	55.0	55.0	58.2	58.3	58.3	58.7
≥ 100	27.4	54.1	55.7	54.7	54.7	54.7	54.9	54.9	54.9	55.0	55.0	55.0	58.2	58.3	58.3	58.7
≥ 0	28.0	56.6	58.2	57.2	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	60.7	60.8	60.8	61.2
≥ 2000	28.0	56.6	58.2	57.2	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	60.7	60.8	60.8	61.2
≥ 1800	28.5	58.7	60.3	59.3	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.6	62.9	63.0	63.0	63.4
≥ 1600	28.5	58.7	60.3	59.3	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.6	62.9	63.0	63.0	63.4
≥ 1400	28.6	63.0	64.6	63.6	63.6	63.6	63.8	63.8	63.8	63.9	63.9	63.9	67.1	67.2	67.2	67.6
≥ 1200	29.1	67.7	69.3	68.3	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	71.8	71.9	71.9	72.3
≥ 1000	29.1	67.7	69.3	68.3	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	71.8	71.9	71.9	72.3
≥ 800	29.8	70.7	72.3	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	74.8	74.9	74.9	75.3
≥ 700	29.8	70.7	72.3	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	74.8	74.9	74.9	75.3
≥ 600	29.8	70.7	72.3	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	74.8	74.9	74.9	75.3
≥ 500	30.0	71.3	72.9	71.9	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	75.4	75.5	75.5	75.9
≥ 400	30.0	71.3	72.9	71.9	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	75.4	75.5	75.5	75.9
≥ 300	30.4	72.9	74.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	77.0	77.1	77.1	77.5
≥ 200	30.4	72.9	74.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	77.0	77.1	77.1	77.5
≥ 100	30.4	72.9	74.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	77.0	77.1	77.1	77.5
≥ 0	30.4	72.9	74.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	77.0	77.1	77.1	77.5

FORM 11-57 (REV. 1-27-57)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1952A
MONTH

ASHEVILLE, NC
STATION NAME

7-82
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CG
NO. OF OBS.

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	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	23.3	38.0	39.0	39.0	40.8	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.0	41.0
≥ 20000	23.7	48.0	46.0	47.3	48.3	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3
≥ 10000	23.7	48.0	46.0	47.3	48.3	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3
≥ 14000	23.7	48.0	46.0	47.3	48.3	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3
≥ 12000	24.0	48.7	46.7	48.0	49.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3	
≥ 10000	24.0	48.7	46.7	48.0	49.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3	
≥ 9000	24.3	46.3	47.3	48.7	49.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	
≥ 8000	24.7	47.7	48.7	50.0	51.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.3	52.3	
≥ 7000	24.7	48.3	49.3	51.0	52.0	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3	
≥ 6000	24.7	49.0	50.0	51.7	52.7	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	
≥ 5000	25.0	50.7	51.7	53.3	54.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7	
≥ 4000	26.0	51.0	52.3	54.0	55.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.3	56.3	
≥ 3000	26.3	52.0	53.3	55.0	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3	57.3	
≥ 2000	26.7	53.0	54.3	56.0	57.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	
≥ 1800	26.7	53.3	54.7	56.3	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.7	58.7	
≥ 1600	26.7	54.7	56.0	57.7	58.7	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	
≥ 1400	27.3	56.7	58.0	59.7	60.7	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	
≥ 1200	27.3	57.7	59.0	60.7	61.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	
≥ 1000	29.0	65.3	66.7	68.7	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	
≥ 900	29.3	70.7	72.0	74.0	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	
≥ 800	30.3	73.7	75.7	77.7	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	
≥ 700	30.7	77.3	79.3	81.3	82.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7	
≥ 600	30.7	79.7	82.0	84.3	85.3	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7	
≥ 500	31.0	82.3	84.7	87.3	88.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	
≥ 400	31.3	83.7	86.3	89.3	90.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7	
≥ 300	31.7	85.3	89.0	92.0	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0	95.0	
≥ 200	31.7	89.7	92.7	95.3	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	
≥ 100	31.7	88.7	92.7	95.3	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	
≥ 0	31.7	88.7	92.7	95.3	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	

TOTAL NUMBER OF OBSERVATIONS 108

DINA VOCEANMET 8108

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1958
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0	≥ 0
NO CEILING	17.3	33.7	34.3	35.3	36.0	36.0	36.3	36.3	36.3	37.0	37.0	37.0	37.0	37.0	37.7	38.7
≥ 20000	19.3	37.3	38.3	39.3	40.0	40.0	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	43.0
18000	19.3	37.3	38.3	39.3	40.0	40.0	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	43.0
16000	19.3	37.3	38.3	39.3	40.0	40.0	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	43.0
14000	19.3	37.3	38.3	39.3	40.0	40.0	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	43.0
12000	19.3	37.3	38.3	39.3	40.0	40.0	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	43.0
10000	20.3	39.3	40.3	41.3	42.3	42.3	43.0	43.0	43.0	43.7	43.7	43.7	43.7	43.7	44.7	45.7
9000	20.3	39.3	40.3	41.3	42.3	42.3	43.0	43.0	43.0	43.7	43.7	43.7	43.7	43.7	44.7	45.7
8000	20.7	40.0	41.3	42.3	43.7	43.7	44.3	44.3	44.3	45.3	45.3	45.3	45.3	45.3	46.7	47.0
7000	21.0	40.3	42.0	43.0	44.3	44.3	45.0	45.0	45.0	46.0	46.0	46.0	46.0	46.0	47.7	47.7
6000	21.3	41.0	42.7	43.7	45.0	45.0	45.7	45.7	45.7	46.7	46.7	46.7	46.7	46.7	47.3	48.3
5000	22.3	41.7	43.3	44.3	45.7	45.7	46.3	46.3	46.3	47.3	47.3	47.3	47.3	47.3	48.0	49.0
4500	22.0	41.7	43.3	44.7	46.0	46.0	46.7	46.7	46.7	47.7	47.7	47.7	47.7	47.7	48.3	49.3
4000	22.0	42.7	44.3	45.3	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0	48.0	49.7	50.7
3500	22.7	43.7	45.3	47.0	48.3	48.3	49.0	49.0	49.0	49.0	50.0	50.0	50.0	50.0	50.7	51.7
3000	23.0	45.0	46.7	48.3	49.7	49.7	50.3	50.3	50.3	51.3	51.3	51.3	51.3	51.3	52.0	53.0
2500	23.0	47.3	49.3	51.0	52.3	52.3	53.0	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.7	55.7
2000	24.0	50.3	52.7	54.3	55.7	55.7	56.3	56.3	56.3	57.3	57.3	57.3	57.3	57.3	58.0	59.0
1800	24.0	51.3	53.7	55.3	56.7	56.7	57.3	57.3	57.3	58.3	58.3	58.3	58.3	58.3	59.0	60.0
1500	25.0	52.0	54.3	56.3	57.7	57.7	58.3	58.3	58.3	59.3	59.3	59.3	59.3	59.3	60.3	61.3
1200	25.3	53.7	55.3	57.3	58.7	58.7	59.3	59.3	59.3	60.3	60.3	60.3	60.3	60.3	61.3	62.0
1000	25.3	55.7	57.3	59.3	60.7	60.7	61.3	61.3	61.3	62.3	62.3	62.3	62.3	62.3	63.0	64.0
900	26.3	57.3	59.3	61.3	62.7	62.7	63.3	63.3	63.3	64.3	64.3	64.3	64.3	64.3	65.0	66.0
800	26.3	58.7	60.3	62.3	63.7	63.7	64.3	64.3	64.3	65.3	65.3	65.3	65.3	65.3	66.0	67.0
700	26.3	59.7	61.3	63.3	64.7	64.7	65.3	65.3	65.3	66.3	66.3	66.3	66.3	66.3	67.0	68.0
600	26.3	60.7	62.3	64.3	65.7	65.7	66.3	66.3	66.3	67.3	67.3	67.3	67.3	67.3	68.0	69.0
500	26.7	62.3	64.3	66.3	67.7	67.7	68.3	68.3	68.3	69.3	69.3	69.3	69.3	69.3	70.0	71.0
400	26.7	63.7	65.3	67.3	68.7	68.7	69.3	69.3	69.3	70.3	70.3	70.3	70.3	70.3	71.0	72.0
300	26.7	64.7	66.3	68.3	69.7	69.7	70.3	70.3	70.3	71.3	71.3	71.3	71.3	71.3	72.0	73.0
200	26.7	65.7	67.3	69.3	70.7	70.7	71.3	71.3	71.3	72.3	72.3	72.3	72.3	72.3	73.0	74.0
100	26.7	66.7	68.3	70.3	71.7	71.7	72.3	72.3	72.3	73.3	73.3	73.3	73.3	73.3	74.0	75.0
0	26.7	67.7	69.3	71.3	72.7	72.7	73.3	73.3	73.3	74.3	74.3	74.3	74.3	74.3	75.0	76.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: KINGSVILLE, TX YEAR: 1-82 MONTHS (L & T):

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	5.7	19.7	21.3	24.7	25.7	26.7	27.0	27.7	27.7	27.7	28.7	28.7	29.0	29.0	29.7	31.7
IV 20000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 18000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 16000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 14000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 12000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 10000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 9000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 8000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 7000	11.0	23.7	26.0	30.0	31.3	31.3	32.7	33.3	33.3	33.7	35.0	35.0	35.3	35.3	36.0	37.0
IV 6000	12.3	28.0	30.3	35.7	37.7	37.7	39.3	40.0	40.0	40.3	41.7	41.7	42.0	42.0	42.7	43.7
IV 5000	12.3	28.0	30.3	35.7	37.7	37.7	39.3	40.0	40.0	40.3	41.7	41.7	42.0	42.0	42.7	43.7
IV 4500	12.3	28.0	30.3	35.7	37.7	37.7	39.3	40.0	40.0	40.3	41.7	41.7	42.0	42.0	42.7	43.7
IV 4000	12.3	28.0	30.3	35.7	37.7	37.7	39.3	40.0	40.0	40.3	41.7	41.7	42.0	42.0	42.7	43.7
IV 3500	13.0	31.0	33.3	39.3	41.7	41.7	43.3	44.0	44.0	44.3	45.7	45.7	46.0	46.3	47.0	48.0
IV 3000	13.0	31.0	33.3	39.3	41.7	41.7	43.3	44.0	44.0	44.3	45.7	45.7	46.0	46.3	47.0	48.0
IV 2500	14.3	35.0	38.3	44.7	47.0	47.0	48.7	49.3	49.3	49.7	51.0	51.0	51.7	51.7	52.3	53.3
IV 2000	14.3	35.0	38.3	44.7	47.0	47.0	48.7	49.3	49.3	49.7	51.0	51.0	51.7	51.7	52.3	53.3
IV 1800	15.0	38.3	41.7	48.0	50.7	50.7	52.3	53.0	53.0	53.3	54.7	54.7	55.3	55.3	56.0	57.0
IV 1600	15.0	38.3	41.7	48.0	50.7	50.7	52.3	53.0	53.0	53.3	54.7	54.7	55.3	55.3	56.0	57.0
IV 1400	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 1200	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 1000	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 900	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 800	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 700	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 600	15.7	42.7	46.3	53.0	56.3	56.3	58.3	59.0	59.0	59.3	60.7	61.0	61.3	61.3	62.0	63.0
IV 500	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0
IV 400	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0
IV 300	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0
IV 200	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0
IV 100	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0
IV 0	16.0	46.7	50.3	57.0	60.3	60.3	62.3	63.0	63.0	63.3	64.7	64.7	65.3	65.3	66.0	67.0

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

ASHEVILLE, NC 73-82 APR

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	¾	¾	≥ 0
NO CEILING	25.2	28.1	26.4	26.8	26.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 20000	27.4	31.1	31.9	32.1	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 18000	30.4	31.1	31.6	32.1	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 16000	31.4	31.4	32.1	32.4	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 14000	31.1	31.8	32.4	32.8	32.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IV 12000	31.4	32.1	32.8	33.1	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
IV 10000	33.1	33.6	34.5	34.8	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 9000	33.3	34.5	35.1	35.5	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 8000	33.5	36.1	36.8	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 7000	36.1	36.8	37.5	37.8	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 6000	36.8	37.5	38.1	38.5	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 5000	36.5	37.5	38.1	38.5	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 4500	38.8	39.8	40.5	40.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 4000	39.1	40.1	40.8	41.1	41.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 3500	40.8	41.8	42.8	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 3000	43.9	44.8	45.8	46.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 2500	46.8	47.8	48.8	49.2	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 2000	52.9	53.9	55.2	55.5	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1800	54.5	55.9	57.2	57.5	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 1500	63.7	65.7	66.2	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1200	68.6	71.6	74.5	75.3	75.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1000	71.6	76.6	81.6	82.3	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 900	72.9	77.9	82.9	83.6	83.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 800	73.6	79.9	85.3	86.3	86.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 700	76.6	81.9	88.3	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	76.6	82.3	88.6	90.3	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 500	75.3	82.9	90.0	92.3	93.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	75.3	82.9	90.6	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	75.3	82.9	90.6	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	75.3	82.9	90.6	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	75.3	82.9	90.6	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	75.3	82.9	90.6	93.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 299

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10 20
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0	
NO CEILING	15.7	33.3	33.7	33.7	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	16.7	39.3	40.0	40.3	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	16.7	39.3	40.0	40.3	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	16.7	39.3	40.0	40.3	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	16.7	39.7	40.3	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	17.3	40.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 10000	18.3	42.7	43.3	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000	18.3	42.7	43.3	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000	18.3	44.3	45.0	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000	18.7	46.3	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 6000	18.7	46.7	47.3	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 5000	19.3	48.3	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 4500	19.7	48.7	49.3	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4000	19.7	49.3	49.7	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 3500	19.7	49.3	50.0	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 3000	19.7	49.3	50.0	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 2500	22.0	55.7	56.7	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
≥ 2000	22.3	56.7	56.7	57.0	57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1800	22.3	56.7	57.7	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
≥ 1600	22.3	57.3	58.0	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1400	23.0	58.3	58.3	59.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1200	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 1000	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 900	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 800	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 700	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 600	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 500	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 400	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 300	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 200	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 100	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 0	23.0	58.3	59.7	59.7	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET 8MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10226
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
DAYS (L.O.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	18.7	38.7	39.7	39.0	38.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	19.7	53.7	54.7	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
IV 10000	19.7	54.7	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	19.7	54.7	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	19.7	54.7	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	20.0	57.0	58.0	58.3	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	20.3	59.3	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	61.0
IV 9000	20.3	60.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	20.3	61.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000	21.3	62.7	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	21.7	63.3	64.7	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
IV 5000	21.3	64.7	65.7	66.3	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	21.3	65.3	66.7	67.0	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 4000	21.3	66.7	67.0	68.3	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 3500	22.0	68.0	69.3	69.7	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 3000	23.0	75.3	77.3	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
IV 2500	24.0	80.7	83.3	84.0	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 2000	24.3	84.7	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
IV 1800	24.3	86.0	89.0	90.0	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 1500	24.3	87.3	91.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	24.3	88.3	92.7	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 1000	24.3	89.3	93.7	94.7	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 900	24.3	89.7	94.0	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
IV 800	24.3	90.7	95.3	96.3	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 700	24.3	90.7	95.7	96.7	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	24.3	91.0	96.3	97.3	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 500	24.3	91.0	96.3	97.3	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 400	24.3	91.0	96.3	97.3	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 300	24.3	91.0	96.3	97.3	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 200	24.3	91.0	96.3	97.3	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 100	24.3	91.0	96.3	97.3	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 0	24.3	91.0	96.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928

KINGSVILLE, TX

73-62

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	24.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	27.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	27.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	27.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	27.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	27.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	28.0	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	28.0	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	27.0	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	27.0	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	29.7	62.7	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	62.0
≥ 5000	30.7	62.7	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	62.0
≥ 4000	30.7	62.7	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	62.0
≥ 3000	31.3	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	62.0	62.0
≥ 2000	32.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 2000	32.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 1000	32.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1000	32.0	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	70.0
≥ 1500	33.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1500	34.0	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
≥ 900	34.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 900	34.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 700	34.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 700	34.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 500	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 500	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 300	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 300	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 100	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 0	35.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17-28
DATE

ASHESVILLE, TX
STATION NAME

73-82
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
STATIONS (L. S. V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ ¾	≥ ¾	≥ 0
NO CEILING	16.1	30.1	34.7	39.8	39.9	36.0	36.7	36.0	36.0	36.8	36.6	36.6	36.6	36.6	36.6	37.1
≥ 20000	16.3	32.6	37.6	42.7	42.1	38.7	39.2	38.6	38.6	39.2	39.0	39.0	39.0	39.0	39.0	39.9
NW 10000	15.3	32.0	37.0	42.8	43.3	39.4	40.7	40.0	40.0	40.9	40.1	40.1	40.1	40.1	40.3	40.6
NW 14000	15.3	32.8	37.8	42.7	43.0	39.3	40.8	40.1	40.1	41.0	40.2	40.2	40.2	40.2	40.5	40.7
NW 18000	18.3	33.0	38.2	43.2	43.6	40.7	42.1	41.4	41.4	42.3	41.5	41.5	41.5	41.5	41.7	42.0
NW 22000	19.4	36.1	40.1	46.0	46.0	42.0	43.5	42.8	42.8	43.7	42.9	42.9	42.9	42.9	43.1	43.4
NW 10000	19.1	35.7	40.7	46.0	46.6	42.0	43.5	42.8	42.8	43.7	42.9	42.9	42.9	42.9	43.1	43.4
NW 9000	19.2	36.0	40.7	46.2	46.7	42.1	43.6	42.9	42.9	43.8	43.0	43.0	43.0	43.0	43.2	43.5
NW 8000	19.9	37.8	43.8	49.0	50.0	43.8	45.3	44.6	44.6	45.5	44.7	44.7	44.7	44.7	44.9	45.2
NW 7000	19.9	38.7	44.8	51.8	51.8	44.7	46.2	45.5	45.5	46.4	45.6	45.6	45.6	45.6	45.8	46.1
NW 6000	20.0	39.7	45.8	52.8	52.8	45.7	47.2	46.5	46.5	47.4	46.6	46.6	46.6	46.6	46.8	47.1
NW 5000	20.7	41.0	47.0	53.7	54.7	46.6	48.1	47.4	47.4	48.3	47.5	47.5	47.5	47.5	47.7	48.0
NW 4000	20.4	41.8	47.6	54.1	55.0	46.9	48.4	47.7	47.7	48.6	47.8	47.8	47.8	47.8	48.0	48.3
NW 3000	20.4	42.1	48.3	54.0	54.7	47.0	48.7	48.0	48.0	48.9	48.1	48.1	48.1	48.1	48.3	48.6
NW 2000	21.3	43.1	49.0	54.3	55.0	47.4	49.0	48.3	48.3	49.2	48.4	48.4	48.4	48.4	48.6	48.9
NW 1500	22.3	43.7	49.7	54.1	54.7	47.7	49.3	48.6	48.6	49.5	48.7	48.7	48.7	48.7	48.9	49.2
NW 1000	22.3	44.3	50.3	54.2	54.8	47.8	49.4	48.7	48.7	49.6	48.8	48.8	48.8	48.8	49.0	49.3
NW 800	22.4	45.2	51.3	54.1	54.8	48.0	49.6	48.9	48.9	49.8	49.0	49.0	49.0	49.0	49.2	49.5
NW 700	22.4	45.8	51.7	54.2	54.9	48.1	49.7	49.0	49.0	49.9	49.1	49.1	49.1	49.1	49.3	49.6
NW 600	22.4	46.3	52.0	54.3	55.0	48.2	49.8	49.1	49.1	50.0	49.2	49.2	49.2	49.2	49.4	49.7
NW 500	22.4	46.8	52.3	54.4	55.1	48.3	49.9	49.2	49.2	50.1	49.3	49.3	49.3	49.3	49.5	49.8
NW 400	22.4	47.3	52.6	54.5	55.2	48.4	50.0	49.3	49.3	50.2	49.4	49.4	49.4	49.4	49.6	49.9
NW 300	22.4	47.8	52.9	54.6	55.3	48.5	50.1	49.4	49.4	50.3	49.5	49.5	49.5	49.5	49.7	50.0
NW 200	22.4	48.3	53.2	54.7	55.4	48.6	50.2	49.5	49.5	50.4	49.6	49.6	49.6	49.6	49.8	50.1
NW 100	22.4	48.8	53.5	54.8	55.5	48.7	50.3	49.6	49.6	50.5	49.7	49.7	49.7	49.7	49.9	50.2
0	22.4	49.3	53.8	54.9	55.6	48.8	50.4	49.7	49.7	50.6	49.8	49.8	49.8	49.8	50.0	50.3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13-26
DATE

KINGVILLE, TX
STATION NAME

71-82
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 1/8	≥ 1/4	
NO CEILING	24.2	47.4	47.7	48.7	49.0	49.4	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 3000	23.2	50.1	54.8	57.7	58.1	58.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	23.7	56.1	64.8	67.7	68.1	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	26.1	56.8	64.8	68.1	68.4	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	25.1	56.8	64.8	68.1	68.4	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 13000	26.8	57.1	67.7	69.8	69.8	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	24.9	57.1	67.7	69.8	69.8	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	26.8	57.9	68.1	69.8	69.8	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	27.1	58.1	68.7	70.0	70.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	17.7	59.4	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	67.7	67.7
≥ 6000	28.1	60.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 5000	28.4	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	24.4	61.1	62.0	63.0	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
≥ 3000	29.4	61.0	62.0	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	64.0
≥ 2000	28.4	62.0	62.0	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	64.0
≥ 1000	29.4	64.0	65.0	66.0	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
≥ 1000	29.4	67.0	68.0	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	70.0
≥ 1000	30.7	72.0	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
≥ 1000	31.4	76.0	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	78.0	78.0
≥ 1000	32.5	82.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	32.7	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	85.0	85.0
≥ 1000	32.5	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	33.7	89.0	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
≥ 1000	33.5	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	92.0	92.0
≥ 1000	33.5	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	92.0	92.0
≥ 1000	33.5	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	92.0	92.0
≥ 1000	33.5	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	92.0	92.0
≥ 1000	33.5	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	92.0	92.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-026

WYNESVILLE, NC

77-02

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

03

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0	
NO CEILING	19.7	18.4	61.0	42.9	43.4	41.9	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 2000	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1800	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1600	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1400	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1200	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1000	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 800	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 600	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 400	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 200	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 100	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 50	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 25	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 10	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 5	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 2	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.5	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.25	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.1	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.05	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.025	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0.01	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 0	21.0	43.4	47.4	49.4	46.2	40.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12-28
DATE

KINGSVILLE, TX
STATION NAME

71-82
MO

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

26
NO. OF DAYS

CEILING (FEET)	VISIBILITY (SEAVERE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 3	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1/2	≥ 1/2	≥ 0
NO CEILING	7.6	10.2	21.8	24.0	27.9	28.6	29.9	30.8	30.8	31.8	31.0	31.0	32.1	32.1	32.1	33.0
≥ 2000	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 1800	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 1600	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 1400	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 1200	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 1000	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 800	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 600	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 400	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 200	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 100	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 50	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 20	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 10	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2
≥ 5	6.5	22.7	27.6	33.1	38.7	37.3	39.3	40.8	40.9	42.2	42.2	42.2	42.8	42.8	42.8	44.2

TOTAL NUMBER OF OBSERVATIONS 261

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

WINDSVILLE, TN

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

59
HOURS (L.O.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	6.1	27.3	28.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 20000	8.1	32.7	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000	8.1	32.0	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000	8.1	32.0	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000	8.1	32.7	34.0	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000	8.1	32.0	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000	9.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000	9.1	37.2	38.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 10000	9.1	39.4	41.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	10.0	40.9	42.7	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000	10.0	40.9	43.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	10.0	41.4	43.7	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	13.0	41.8	44.0	45.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 10000	10.0	41.8	44.0	45.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 10000	10.4	42.7	44.0	46.0	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	10.4	44.0	46.6	47.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	10.7	44.0	46.6	51.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	11.0	58.8	60.8	60.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 10000	11.0	56.0	59.0	61.2	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	11.3	66.3	70.0	70.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	11.7	73.1	73.3	80.9	82.8	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	11.7	77.7	82.0	88.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	11.7	79.7	85.0	88.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10000	11.7	79.0	87.7	91.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 10000	11.7	79.6	88.7	93.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	11.7	79.0	89.2	94.2	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 109

DIRNAVOCBARRBT 2808

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17928

KI-ASVILLE, TX

73-82

MAY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

NOBS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ ¾	≥ ½	≥ 0
NO CEILING	12.3	32.3	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2000	13.2	36.8	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 1800	13.2	36.8	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 1600	13.2	37.1	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 1400	13.2	37.7	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 1200	13.2	40.0	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 1000	13.2	40.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 800	14.2	41.6	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 700	14.2	41.6	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 600	14.2	42.6	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 500	14.2	43.2	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 400	14.2	45.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 300	14.2	45.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 200	15.5	46.8	48.0	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 150	16.1	52.6	57.9	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 100	16.8	68.4	69.7	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
≥ 50	16.8	81.2	83.9	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
≥ 1000	17.1	82.3	85.7	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
≥ 900	17.1	82.3	85.7	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
≥ 800	17.1	87.7	93.2	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
≥ 700	17.1	87.7	93.2	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
≥ 600	17.1	90.7	93.9	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
≥ 500	17.1	91.0	94.8	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
≥ 400	17.1	91.6	95.2	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
≥ 300	17.1	91.6	95.2	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
≥ 200	17.1	91.6	95.2	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
≥ 100	17.1	91.6	95.2	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
≥ 0	17.1	91.6	95.2	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 112

DIRNAVOCSANMET 8808

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

DATE

MTNSVILLE, TX

12-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
MONTHS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.15	≥ 0
NO CEILING	17.5	43.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 2000	17.5	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1800	17.5	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1600	17.5	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1400	17.5	53.0	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
≥ 1200	17.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1000	17.5	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
≥ 800	17.5	59.0	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
≥ 700	17.5	60.7	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
≥ 600	17.5	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 500	17.5	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 400	17.5	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 300	17.5	63.9	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
≥ 200	17.5	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1500	17.5	70.0	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
≥ 1400	17.5	70.0	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
≥ 1300	17.5	70.0	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
≥ 1200	17.5	70.0	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
≥ 1100	17.5	70.0	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
≥ 1000	17.5	70.0	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
≥ 900	17.5	70.0	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
≥ 800	17.5	70.0	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
≥ 700	17.5	70.0	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
≥ 600	17.5	70.0	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
≥ 500	17.5	70.0	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
≥ 400	17.5	70.0	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
≥ 300	17.5	70.0	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
≥ 200	17.5	70.0	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
≥ 100	17.5	70.0	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
0	17.5	70.0	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

TOTAL NUMBER OF OBSERVATIONS _____ 318

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17 24
STATION

KY58CVILLY, TX
STATION NAME

73-92
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.1	49.7	51.0	51.0	51.0	1.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 20000	15.4	66.8	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000	15.4	66.8	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	15.4	66.8	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	15.4	66.8	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	15.4	67.7	70.0	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
IV 10000	19.7	71.9	74.2	74.5	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 9000	19.7	72.6	74.9	75.2	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 8000	19.7	73.6	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	19.7	73.9	76.1	76.5	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 6000	20.7	74.2	76.8	77.1	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 5000	21.7	75.2	77.7	78.4	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 4500	20.0	75.5	78.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	20.0	76.8	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3500	20.7	78.4	81.0	81.9	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 3000	20.7	80.7	81.7	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	20.7	81.9	84.5	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2000	21.7	86.1	88.7	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 1800	21.7	87.1	89.7	90.7	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 1500	21.7	90.5	92.8	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1200	21.7	91.6	94.5	95.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	21.0	92.6	95.1	95.7	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 900	21.0	92.6	96.1	96.7	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 800	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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	21.0	92.6	96.1	96.7	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 0	21.0	92.6	96.1	96.7	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 314

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

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	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.1	56.1	57.1	57.1	57.1	7.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	20.4	20.4	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	67.7	67.7
IV 18000	20.4	20.4	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	67.7	67.7
IV 14000	20.4	20.4	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	67.7	67.7
IV 14000	20.4	20.4	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	67.7	67.7
IV 12000	20.4	20.4	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	67.7	67.7
IV 10000	20.4	20.4	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	67.7	67.7
IV 9000	20.4	20.4	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	67.7	67.7
IV 8000	20.4	20.4	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	67.7	67.7
IV 7000	20.4	20.4	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	67.7	67.7
IV 6000	20.4	20.4	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	67.7	67.7
IV 5000	20.4	20.4	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	67.7	67.7
IV 4500	20.4	20.4	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	67.7	67.7
IV 4000	20.4	20.4	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	67.7	67.7
IV 3500	20.4	20.4	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	67.7	67.7
IV 3000	20.4	20.4	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	67.7	67.7
IV 2500	20.4	20.4	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	67.7	67.7
IV 2000	20.4	20.4	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	67.7	67.7
IV 1800	20.4	20.4	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	67.7	67.7
IV 1500	20.4	20.4	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	67.7	67.7
IV 1200	20.4	20.4	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	67.7	67.7
IV 1000	20.4	20.4	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	67.7	67.7
IV 900	20.4	20.4	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	67.7	67.7
IV 800	20.4	20.4	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	67.7	67.7
IV 700	20.4	20.4	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	67.7	67.7
IV 600	20.4	20.4	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	67.7	67.7
IV 500	20.4	20.4	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	67.7	67.7
IV 400	20.4	20.4	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	67.7	67.7
IV 300	20.4	20.4	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	67.7	67.7
IV 200	20.4	20.4	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	67.7	67.7
IV 100	20.4	20.4	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	67.7	67.7
IV 0	20.4	20.4	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	67.7	67.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, TN YEAR 73-77 MONTH MAY

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	≥ 1/16	≥ 0	≥ 0
NO CEILING	5.7	29.2	40.5	41.5	41.8	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	43.0
IV 20000	17.4	47.3	49.1	50.3	50.9	51.2	51.6	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.4
IV 18000	17.4	47.3	49.1	50.3	50.9	51.2	51.6	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.4
IV 16000	17.4	47.3	49.1	50.3	50.9	51.2	51.6	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.4
IV 14000	17.4	47.3	49.3	50.6	51.1	51.4	51.9	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.7
IV 12000	17.4	46.7	50.6	51.0	52.4	52.7	53.2	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	54.0
IV 10000	18.0	50.4	52.4	53.7	54.4	54.7	55.2	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	56.0
IV 9000	18.0	51.0	52.9	54.3	55.0	55.3	55.8	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.6
IV 8000	18.0	52.2	54.3	55.7	56.4	56.8	57.3	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	58.1
IV 7000	18.0	53.4	55.6	57.0	57.8	58.1	58.7	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.5
IV 6000	18.0	54.1	56.4	57.9	58.7	59.0	59.6	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.4
IV 5000	18.0	54.9	57.3	59.0	59.8	60.1	60.7	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.5
IV 4500	18.0	55.1	57.5	59.2	60.1	60.4	61.0	61.2	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.9
IV 4000	18.0	55.9	58.4	60.1	61.0	61.3	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.7
IV 3500	18.0	57.2	59.8	61.6	62.5	62.8	63.4	63.6	63.6	63.8	63.8	63.8	63.9	63.9	64.0	64.4
IV 3000	18.0	57.0	60.7	62.6	63.6	63.9	64.5	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.4
IV 2500	20.1	64.2	67.1	69.0	70.0	70.4	71.0	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.9
IV 2000	20.1	69.4	72.6	74.6	75.7	76.1	76.8	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.6
IV 1800	20.1	70.2	73.5	75.6	76.7	77.0	77.7	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.6
IV 1500	21.1	74.9	78.8	81.2	82.5	83.0	83.8	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.7
IV 1200	21.5	78.2	82.5	85.4	86.8	87.4	88.3	88.5	88.5	88.7	88.8	88.8	88.8	88.8	88.8	89.2
IV 1000	21.5	81.1	85.9	89.1	90.7	91.3	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	93.0
IV 900	21.7	81.4	86.4	89.7	91.2	91.9	92.8	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.9
IV 800	21.7	82.0	87.7	91.2	92.9	93.5	94.4	95.0	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.8
IV 700	21.7	83.2	89.7	92.3	93.9	94.6	95.7	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.9
IV 600	21.7	83.5	90.3	93.2	95.0	95.6	96.8	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	98.2
IV 500	21.9	83.7	90.5	93.5	95.4	96.0	97.3	97.8	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.7
IV 400	21.9	83.8	90.6	93.7	95.6	96.2	97.5	98.0	98.1	98.6	98.6	98.6	98.6	98.6	98.6	99.0
IV 300	21.9	83.9	90.8	94.0	95.7	96.4	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 200	21.9	83.9	90.8	94.0	95.7	96.4	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 100	21.9	83.9	90.8	94.0	95.7	96.4	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.2
IV 0	21.9	83.9	90.8	94.0	95.7	96.4	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 2877

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

DATE

YEAR

TIME

ZONE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
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	74.3	74.3	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	75.3
≥ 30000	74.3	74.3	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	75.3
IV 18000	74.3	74.3	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	75.3
IV 14000	74.3	74.3	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	75.3
IV 10000	74.3	74.3	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	75.3
IV 8000	74.3	74.3	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	75.3
IV 7000	74.3	74.3	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	75.3
IV 6000	74.3	74.3	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	75.3
IV 5000	74.3	74.3	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	75.3
IV 4500	74.3	74.3	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	75.3
IV 4000	74.3	74.3	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	75.3
IV 3500	74.3	74.3	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	75.3
IV 3000	74.3	74.3	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	75.3
IV 2500	74.3	74.3	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	75.3
IV 2000	74.3	74.3	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	75.3
IV 1800	74.3	74.3	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	75.3
IV 1500	74.3	74.3	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	75.3
IV 1000	74.3	74.3	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	75.3
IV 900	74.3	74.3	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	75.3
IV 800	74.3	74.3	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	75.3
IV 700	74.3	74.3	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	75.3
IV 600	74.3	74.3	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	75.3
IV 500	74.3	74.3	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	75.3
IV 400	74.3	74.3	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	75.3
IV 300	74.3	74.3	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	75.3
IV 200	74.3	74.3	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	75.3
IV 100	74.3	74.3	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	75.3
IV 0	74.3	74.3	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	75.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMO3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17024
STATION

ASHEVILLE, NC
STATION NAME

73-82
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
NUMBER OF DAYS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 3	≥ 2 1/2	≥ 2 1/4	≥ 2	≥ 1 3/4	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 0
NO CEILING	70.3	66.7	68.7	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3
≥ 20000	72.3	73.0	75.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 18000	37.3	73.0	75.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 16000	32.3	73.0	75.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 14000	32.3	73.0	75.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 12000	32.3	73.0	75.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 10000	52.3	73.7	76.3	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3
≥ 9000	52.3	73.7	76.3	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3
≥ 8000	33.7	75.3	78.0	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7
≥ 7000	33.7	75.3	78.0	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7
≥ 6000	73.3	77.3	79.7	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7
≥ 5000	33.3	77.0	79.7	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7
≥ 4500	33.3	77.0	79.7	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7
≥ 4000	33.3	77.0	79.7	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7
≥ 3500	33.7	77.3	80.0	81.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 3000	33.7	78.0	80.7	81.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.7
≥ 2500	34.0	78.7	81.3	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3
≥ 2000	34.7	80.3	83.0	84.0	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7
≥ 1800	34.7	81.0	83.7	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1500	56.0	83.7	86.3	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 1200	36.3	88.7	90.7	91.7	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.7
≥ 1000	37.7	91.7	94.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3
≥ 900	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 800	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 700	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 600	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 500	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 400	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 300	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 200	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
≥ 100	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
0	38.0	92.0	95.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET 8M08

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1962
STATION

KING VILLF, TX

STATION NAME

73-02

YEAR

JULY

16
MONTH (LAST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	5.7	36.7	45.0	51.7	54.0	54.7	58.0	58.7	59.3	60.7	62.0	62.0	63.0	63.7	63.7	
≥ 20000	5.7	40.3	50.7	58.0	62.7	63.7	66.0	66.7	68.0	69.3	70.7	70.7	71.3	71.7	71.7	
10000	5.7	40.3	50.7	58.0	62.7	63.7	66.0	66.7	68.0	69.3	70.7	70.7	71.3	71.7	71.7	
14000	5.7	40.3	50.7	58.0	62.7	63.7	66.0	66.7	68.0	69.3	70.7	70.7	71.3	71.7	71.7	
12000	5.7	40.3	50.7	58.0	62.7	63.7	66.0	66.7	68.0	69.3	70.7	70.7	71.3	71.7	71.7	
10000	5.7	42.7	53.0	61.7	66.3	67.7	69.0	70.0	70.7	72.0	73.7	73.7	74.7	75.0	75.0	
7000	5.7	43.0	57.3	62.0	66.7	68.0	69.3	70.7	71.0	72.0	73.0	73.0	74.0	74.0	74.0	
8000	5.7	44.7	56.0	64.3	69.0	70.3	71.7	72.7	73.3	74.7	76.3	76.3	77.3	77.7	78.7	
7000	5.7	45.3	55.7	63.0	69.7	71.0	72.3	73.3	74.0	75.3	77.0	77.0	78.0	79.0	79.3	
4000	5.7	48.7	56.0	65.3	70.0	71.3	72.7	73.7	74.3	75.7	77.3	77.3	78.3	78.7	79.7	
5000	5.7	48.7	56.0	65.3	70.0	71.3	72.7	73.7	74.3	75.7	77.3	77.3	78.3	78.7	79.7	
4500	5.7	48.7	56.0	65.3	70.0	71.3	72.7	73.7	74.3	75.7	77.3	77.3	78.3	78.7	79.7	
4000	5.7	48.7	56.0	65.3	70.0	71.3	72.7	73.7	74.3	75.7	77.3	77.3	78.3	78.7	79.7	
3500	5.7	48.7	56.0	65.3	70.0	71.3	72.7	73.7	74.3	75.7	77.3	77.3	78.3	78.7	79.7	
3000	5.7	47.0	57.3	66.7	71.0	72.3	73.7	74.3	75.0	76.0	77.3	77.3	78.3	78.7	79.7	
2500	5.7	47.7	58.3	67.7	73.3	74.7	76.0	77.0	77.7	79.0	80.7	80.7	81.7	82.0	82.7	
2000	6.3	49.7	60.3	70.0	75.7	77.0	78.3	79.3	80.3	81.7	83.3	83.3	84.3	84.7	85.3	
1800	6.7	52.0	63.0	72.7	78.3	79.7	81.3	82.3	83.3	84.7	86.3	86.3	87.3	87.7	88.3	
1600	6.7	54.0	65.7	75.3	81.0	82.0	83.0	84.0	85.0	86.7	87.0	87.0	88.0	88.3	89.0	
1400	6.7	54.7	67.7	77.7	83.3	84.0	85.0	86.0	87.0	88.7	89.0	89.0	90.0	90.3	91.0	
1200	6.7	56.0	68.0	78.7	84.3	85.7	86.0	87.0	88.0	89.0	90.0	90.0	91.0	91.0	91.7	
1000	6.7	57.3	69.7	80.7	86.3	87.0	88.0	89.0	90.0	91.0	92.0	92.0	93.0	93.0	93.7	
900	6.7	57.3	69.7	80.7	86.3	87.0	88.0	89.0	90.0	91.0	92.0	92.0	93.0	93.0	93.7	
800	6.7	57.3	69.7	80.7	86.3	87.0	88.0	89.0	90.0	91.0	92.0	92.0	93.0	93.0	93.7	
700	6.7	57.3	69.7	80.7	86.3	87.0	88.0	89.0	90.0	91.0	92.0	92.0	93.0	93.0	93.7	
600	6.7	57.3	69.7	80.7	86.3	87.0	88.0	89.0	90.0	91.0	92.0	92.0	93.0	93.0	93.7	
500	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	
400	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	
300	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	
200	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	
100	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	
0	6.7	58.0	70.7	81.7	87.7	88.7	89.3	90.3	91.0	92.0	93.0	93.0	94.0	94.0	94.7	

TOTAL NUMBER OF OBSERVATIONS: 1000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17024

ASHEVILLE, TX

73-82

17024

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
ISSUE (L.S.T.)

CEILING (FEET)	VISIBILITY (SEAVER MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
NO CEILING	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
20000	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
18000	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
16000	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
14000	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
12000	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
10000	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
8000	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
6000	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
4000	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
2000	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
1800	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
1600	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
1400	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
1200	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
1000	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
800	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
600	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
400	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
200	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
100	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
0	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

TOTAL NUMBER OF OBSERVATIONS: 200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-22
STATION

KINGVILLE, TX
STATION NAME

73-02
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
BASE (L.S.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	14.7	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 2000	17.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1000	17.3	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	70.0
≥ 500	17.3	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1000	17.3	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	71.0	71.0
≥ 500	17.3	72.0	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
≥ 1000	17.7	75.0	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
≥ 500	17.7	75.0	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
≥ 1000	17.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 500	18.3	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	79.3	79.3
≥ 1000	18.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 500	19.0	80.0	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
≥ 1000	19.0	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	81.7	81.7
≥ 500	20.7	83.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	21.0	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 500	21.3	88.3	89.0	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
≥ 1000	21.7	88.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	21.7	88.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	21.7	88.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	21.7	88.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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
≥ 1000	21.7	88.3	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
≥ 500	21.7	88.3	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

TOTAL NUMBER OF OBSERVATIONS 120

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17728
STATION

ASHEVILLE, NC

73-02

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
NUMBER OF DAYS

CEILING (FEET)	VISIBILITY (STATURE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/4	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING	20.0	71.7	77.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	22.7	84.7	85.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1000	22.7	84.7	85.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1400	22.7	84.7	85.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1200	23.7	86.7	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
1000	23.7	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
900	23.7	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
800	23.7	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
700	23.7	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
600	23.7	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
500	23.7	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
400	23.7	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
300	23.7	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
200	23.7	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
100	23.7	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
0	23.7	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

TOTAL NUMBER OF OBSERVATIONS: 16

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1921
MONTH

ASHEVILLE, NC

73-87

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

811
TOTAL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
NO CEILING	19.7	57.3	59.1	60.0	60.7	60.8	61.0	61.3	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	21.0	68.8	67.8	68.8	69.3	69.6	69.9	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	21.7	68.8	67.8	68.8	69.3	69.7	69.9	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	21.7	68.8	67.8	68.8	69.3	69.6	69.8	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	21.7	68.8	68.1	69.3	69.9	70.0	70.3	70.4	70.5	70.7	70.3	70.8	71.0	71.0	71.1	71.2
≥ 12000	21.9	67.1	69.2	70.3	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	22.0	69.1	71.2	72.4	73.1	73.3	73.3	73.7	73.8	73.9	74.1	74.1	74.3	74.3	74.4	74.5
≥ 9000	22.0	69.9	71.2	72.8	73.5	73.6	73.9	74.0	74.1	74.3	74.3	74.5	74.5	74.7	74.8	74.9
≥ 8000	22.3	70.9	73.0	74.3	75.0	75.2	75.4	75.7	75.7	75.8	76.0	76.0	76.2	76.2	76.3	76.4
≥ 7000	22.4	71.7	73.8	75.1	75.8	75.9	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000	22.9	71.6	73.9	75.2	75.9	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	22.5	72.0	74.1	75.0	75.1	75.3	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	22.2	72.1	74.2	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
≥ 3000	22.2	72.3	74.3	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
≥ 2000	23.2	73.4	75.7	77.0	77.0	77.9	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1000	23.4	76.0	78.7	80.1	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	24.2	79.7	81.6	83.3	84.0	84.2	84.3	84.6	84.7	84.9	85.1	85.1	85.2	85.3	85.4	85.5
≥ 3000	25.1	83.1	85.3	86.9	87.7	87.9	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	25.3	83.0	85.0	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
≥ 5000	25.7	87.0	89.0	91.0	91.9	92.1	92.3	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 6000	25.7	89.3	91.0	93.3	94.4	94.6	94.9	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 7000	26.1	90.8	93.0	95.2	96.1	96.3	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 8000	26.1	91.0	93.0	95.3	96.0	96.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	26.1	91.0	93.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	26.1	91.7	94.3	96.3	97.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 11000	26.1	91.0	93.7	95.7	97.7	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 12000	26.1	91.0	94.0	96.0	97.3	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 13000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 14000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 15000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 16000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 17000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 18000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 19000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 20000	26.1	92.0	94.9	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 2400

DRYNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1724
SECTION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L. Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	85.7	87.7	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
≥ 2000	86.8	90.7	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
≥ 1800	88.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1600	88.2	91.5	91.8	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
≥ 1400	86.7	91.6	92.3	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
≥ 1200	86.7	91.8	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	85.7	93.6	94.2	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
≥ 800	85.7	91.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 600	85.7	95.8	95.5	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
≥ 400	85.7	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	85.7	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100	85.7	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 50	85.7	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 0	85.7	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 216

DIRNAVOCEANMET 8MOS

4.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1976
STATION

KINGVILLE
STATION NAME

77-2
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

33
HOURS (C.F.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	43.7	2.4	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
≥ 20000	45.2	76.1	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
18000	45.2	76.1	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
14000	45.2	76.1	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
10000	45.2	76.1	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
8000	45.2	76.1	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
7000	47.4	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
6000	47.4	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
5000	47.4	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
4000	47.4	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
3000	47.4	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
2000	47.4	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
1800	47.4	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
1600	47.4	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
1400	47.4	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
1200	47.4	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
1000	47.4	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
900	47.4	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
800	47.4	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
700	47.4	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
600	47.4	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
500	47.4	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
400	47.4	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
300	47.4	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
200	47.4	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
100	47.4	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
0	47.4	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

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 1977
STATION

ASHEVILLE, NC
STATION NAME

71-82
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 0	
NO CEILING	7.0	51.1	6.2	67.6	75.4	71.2	73.1	74.8	74.8	73.1	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	7.0	53.7	64.7	73.9	77.8	77.7	79.6	80.9	80.9	81.6	82.2	82.2	82.2	82.2	82.2	82.2
IV 18000	7.0	53.7	64.7	73.9	77.8	77.7	79.6	80.9	80.9	81.6	82.2	82.2	82.2	82.2	82.2	82.2
IV 16000	7.0	53.7	64.7	73.9	77.8	77.7	79.6	80.9	80.9	81.6	82.2	82.2	82.2	82.2	82.2	82.2
IV 14000	7.0	53.7	65.1	74.1	78.7	78.3	80.3	81.6	81.6	82.2	82.9	82.9	82.9	82.9	82.9	82.9
IV 12000	7.0	55.3	67.3	74.4	80.3	80.4	82.5	83.8	83.8	84.5	85.1	85.1	85.1	85.1	85.1	85.1
IV 10000	8.1	57.9	69.9	79.0	82.9	83.2	85.1	86.4	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7
IV 9000	8.1	57.9	69.9	79.0	82.9	83.2	85.1	86.4	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7
IV 8000	8.1	59.4	71.8	81.9	85.8	86.1	88.0	89.3	89.3	90.0	90.6	90.6	90.6	90.6	90.6	90.6
IV 7000	8.1	59.9	72.2	82.2	86.1	86.4	88.0	89.6	89.6	90.3	90.9	90.9	90.9	90.9	90.9	90.9
IV 6000	8.1	60.2	72.5	82.5	86.4	86.7	88.7	90.0	90.0	90.6	91.3	91.3	91.3	91.3	91.3	91.3
IV 5000	8.1	60.2	72.5	82.5	86.4	86.7	88.7	90.0	90.0	90.6	91.3	91.3	91.3	91.3	91.3	91.3
IV 4500	8.1	60.8	73.1	83.2	87.8	87.7	89.6	90.9	90.9	91.6	92.2	92.2	92.2	92.2	92.2	92.2
IV 4000	8.1	60.8	73.1	83.2	87.8	87.7	89.6	90.9	90.9	91.6	92.2	92.2	92.2	92.2	92.2	92.2
IV 3500	8.4	61.2	73.5	83.5	87.7	88.0	90.0	91.3	91.3	91.9	92.6	92.6	92.6	92.6	92.6	92.6
IV 3000	8.4	61.2	73.5	83.5	87.7	88.0	90.0	91.3	91.3	91.9	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	8.7	61.5	73.8	83.8	89.0	89.3	91.3	92.6	92.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	8.7	61.5	73.8	83.8	89.0	89.3	91.3	92.6	92.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	8.7	61.5	73.8	83.8	89.0	89.3	91.3	92.6	92.6	93.2	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	8.7	64.1	76.7	88.0	92.6	92.9	94.8	96.1	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	8.7	64.1	76.7	88.0	92.6	92.9	94.8	96.1	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	8.7	64.4	77.0	88.7	93.2	93.9	95.8	97.1	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	8.7	64.4	77.0	88.7	93.2	93.9	95.8	97.1	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	8.7	65.1	77.7	89.3	93.9	94.8	96.8	97.7	97.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8.7	65.4	78.0	89.6	94.2	94.8	96.8	98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 133

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	48.1	49.1	48.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 20000	57.1	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	57.7
IV 18000	57.1	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	57.7
IV 14000	57.1	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	57.7
IV 12000	59.0	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 10000	61.3	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 9000	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	65.5	65.5	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
IV 6000	65.5	65.5	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
IV 5000	66.1	66.5	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 4500	66.5	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	66.5	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	66.5	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	67.7	68.4	69.0	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	71.0	71.6	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	79.4	80.7	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 1800	81.0	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	82.9
IV 1500	88.7	91.0	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 1200	95.5	96.8	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 1000	96.8	98.1	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	96.8	98.1	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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	97.4	98.7	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 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

ASHEVILLE, NC

73-87

JUL

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS 11 57 1

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	12.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	14.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	14.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 16000	14.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	14.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000	14.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	17.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	17.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	17.4	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	69.7	69.7
IV 7000	17.4	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 6000	17.4	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 5000	17.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	17.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	17.4	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	70.7
IV 3500	17.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3000	21.0	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	24.7	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	92.9
IV 2000	24.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	24.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	24.7	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 1200	24.7	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 1000	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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	24.7	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
0	24.7	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 117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 172
STATION

KINGSVILLE, X
STATION NAME

73-47
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

L5
SOURCE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 2 1/4	≥ 2 1/2	≥ 2 3/4	≥ 2	≥ 2 1/4	≥ 2 1/2	≥ 2 3/4	≥ 2 1/2	≥ 2
NO CEILING	19.7	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 20000	22.7	81.3	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 18000	22.7	81.3	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 16000	22.7	81.3	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 14000	22.7	81.3	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 12000	22.7	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 10000	22.7	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 9000	22.7	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000	22.7	85.8	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 7000	22.7	85.8	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 6000	22.7	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000	22.7	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	22.7	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	22.7	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	23.7	88.4	89.4	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 3000	24.7	92.4	93.4	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 2500	25.7	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	25.7	95.8	97.1	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 1800	25.7	96.1	97.4	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	25.7	96.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	25.7	96.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	25.7	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	25.7	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	25.7	97.7	99.0	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
IV 700	25.7	97.7	99.0	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
IV 600	25.7	97.7	99.0	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
IV 500	25.7	97.7	99.0	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
IV 400	25.7	97.7	99.0	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
IV 300	25.7	97.7	99.0	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
IV 200	25.7	97.7	99.0	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
IV 100	25.7	97.7	99.0	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
0	25.7	97.7	99.0	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

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1972
STATION

KINGSBILL, TX
STATION NAME

72-82
YEAR

MIL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
MONTH (L.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	41.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 30000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IN 18000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IN 14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IN 14000	40.0	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IN 12000	40.0	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IN 10000	45.0	42.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IN 9000	46.0	43.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IN 8000	46.0	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IN 7000	46.0	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IN 6000	46.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IN 5000	47.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IN 4000	47.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IN 3500	47.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IN 3000	47.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IN 2500	47.0	46.0	46.0	46.0	46.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IN 2000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IN 1800	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IN 1500	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IN 1200	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 1000	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 900	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 800	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 700	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 600	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 500	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 400	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 300	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 200	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 100	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IN 0	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10026
STATION

KINGSVILLE, TX
STATION NAME

73-92
YEAR

ALL
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS (L. O. V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	24.4	66.0	67.9	68.8	68.9	69.0	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 10000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 14000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 12000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 10000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	27.2	76.3	78.1	79.3	79.8	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 7000	28.4	82.1	84.2	85.6	86.2	86.2	86.8	86.8	86.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	28.4	82.1	84.2	85.6	86.2	86.2	86.8	86.8	86.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	28.4	82.1	84.2	85.6	86.2	86.2	86.8	86.8	86.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	28.4	82.1	84.2	85.6	86.2	86.2	86.8	86.8	86.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	29.8	83.0	86.0	87.5	88.0	88.1	88.3	88.8	88.8	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	29.8	83.0	86.0	87.5	88.0	88.1	88.3	88.8	88.8	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	30.1	87.9	90.2	91.7	92.3	92.3	92.6	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	30.1	87.9	90.2	91.7	92.3	92.3	92.6	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1600	30.6	90.1	92.5	94.3	94.9	94.9	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 1400	30.6	90.1	92.5	94.3	94.9	94.9	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
≥ 1200	30.7	93.1	95.6	97.0	98.0	98.1	98.4	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	30.7	93.1	95.6	97.0	98.0	98.1	98.4	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	30.9	93.9	96.0	97.8	98.8	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 2579

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1272F
STATION

KINGSVILLE, TX
STATION NAME

73-82
YEAR

AVG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
MONTH (L. S. Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	43.7	42.9	42.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	44.2	42.3	42.3	43.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 18000	44.2	42.3	42.3	43.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 14000	44.2	42.3	42.3	43.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 10000	43.2	42.4	42.4	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 7000	43.2	42.4	42.4	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 5000	46.5	45.2	45.2	46.1	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 4000	46.5	45.2	45.2	46.1	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 3000	46.5	46.1	46.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 2000	46.5	46.1	46.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 1500	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1000	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 700	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 500	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 300	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 200	46.5	46.5	46.5	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 100	47.4	47.4	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
0	47.4	47.4	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 900	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
0	47.4	49.1	49.1	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1926
STATION

KINGSVILLE, TX
STATION NAME

73-92
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

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	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	74.8	79.7	79.4	80.7	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
≥ 2000	81.6	81.9	82.8	83.1	83.1	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.1
10000	83.6	83.9	84.8	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
14000	81.6	81.9	82.8	83.1	83.1	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.1
14000	83.6	83.9	84.8	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.4
12000	83.6	83.9	84.8	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.4
10000	85.3	86.1	87.0	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	91.6
9000	86.1	86.5	87.7	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	91.9
8000	86.1	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	93.2
7000	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	91.9
6000	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	93.9
5000	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	94.8
4500	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	94.8
4000	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	94.8
3500	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	94.8
3000	86.5	88.0	88.7	89.0	89.0	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	94.8
2500	87.1	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.1
2000	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
1800	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
1600	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
1400	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
1200	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
1000	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
900	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
800	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
700	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
600	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
500	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
400	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
300	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
200	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
100	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8
0	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	96.8

TOTAL NUMBER OF OBSERVATIONS 512

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 22
STATION

ASHEVILLE, NC

11-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06

GROUP (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/2	≥ 0
NO CEILING	66.3	61.9	64.2	60.3	65.2	68.8	67.7	67.7	68.4	70.3	71.3	71.3	71.6	71.6	71.6	71.6
≥ 2000	7.4	50.7	61.3	68.7	74.2	74.8	77.1	77.1	77.7	79.7	80.7	80.7	81.0	81.3	81.6	81.6
≥ 1800	7.4	50.7	61.3	68.7	74.2	74.8	77.1	77.1	77.7	79.7	80.7	80.7	81.0	81.3	81.6	81.6
≥ 1600	7.4	50.7	61.3	68.7	74.2	74.8	77.1	77.1	77.7	79.7	80.7	80.7	81.0	81.3	81.6	81.6
≥ 1400	7.4	50.7	61.3	68.7	74.2	74.8	77.1	77.1	77.7	79.7	80.7	80.7	81.0	81.3	81.6	81.6
≥ 1200	7.7	52.9	63.6	71.3	76.8	77.5	80.0	80.0	80.7	82.6	83.6	83.6	83.9	84.2	84.5	84.5
≥ 1000	5.4	56.1	67.1	74.5	81.0	81.6	84.9	84.9	85.2	87.1	88.1	88.1	88.4	88.7	89.0	89.0
≥ 800	5.4	56.3	67.4	75.8	81.3	81.9	84.8	84.8	85.5	87.4	88.4	88.4	88.7	89.0	89.4	89.4
≥ 600	5.7	58.1	69.7	78.1	83.6	84.2	87.1	87.1	87.7	89.7	90.7	90.7	91.0	91.3	91.6	91.6
≥ 400	5.7	58.4	70.0	78.4	83.9	84.5	87.4	87.4	88.1	90.0	91.0	91.0	91.3	91.6	91.9	91.9
≥ 200	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 100	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 50	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 25	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 12 1/2	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 6 1/4	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 3 1/4	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 1 3/4	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 7/8	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 3/8	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 1/8	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6
≥ 0	5.7	58.4	70.3	78.7	84.3	85.2	88.1	88.1	88.7	90.7	91.6	91.6	91.9	92.3	92.6	92.6

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCSANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-02

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.4	42.9	4.9	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	4.1	52.3	52.3	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
18000	4.1	52.3	52.3	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
16000	4.1	52.3	52.3	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
14000	4.4	53.2	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
12000	5.9	56.1	56.8	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
10000	5.7	61.0	61.6	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
9000	5.7	61.0	61.6	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
8000	8.7	61.9	62.6	65.2	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
7000	8.7	62.9	63.6	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
6000	8.7	63.9	65.2	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
5000	8.7	63.9	65.2	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4900	8.7	63.9	65.2	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4000	6.7	63.9	65.2	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
3500	8.7	63.9	65.2	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
3000	5.7	68.0	68.1	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2500	9.0	67.0	68.7	72.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
2000	12.7	79.0	80.1	84.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
1800	10.7	79.7	81.0	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
1500	11.6	87.0	88.7	92.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1200	11.9	89.7	91.0	94.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1000	12.3	92.6	93.9	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
900	12.3	92.9	94.2	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	12.3	92.9	94.2	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	12.3	92.9	94.2	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	12.3	92.9	94.2	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	12.3	93.2	94.5	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	12.3	93.2	94.5	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	12.3	93.2	94.5	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	12.3	93.2	94.5	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	12.3	93.2	94.5	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	12.3	93.2	94.5	98.4	99.4	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 112

DIRNAVOCEANMET SMO3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1952 MONTH: AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L O Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	42.7	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	10.0	74.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
NW 18000	10.0	74.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
NW 14000	10.0	74.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
NW 14000	10.3	86.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
NW 12000	10.7	60.0	60.3	60.3	60.3	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
NW 10000	10.7	62.9	62.6	62.6	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
NW 8000	11.0	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	64.8	64.8
NW 7000	11.0	64.9	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
NW 6000	11.0	65.9	65.8	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
NW 5000	11.0	65.5	65.8	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
NW 4500	11.0	65.5	65.8	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
NW 4000	11.0	65.8	66.1	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
NW 3500	12.9	69.7	70.8	70.8	70.8	70.8	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
NW 3000	14.3	61.6	62.3	62.6	62.6	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
NW 2500	16.1	62.6	63.2	63.6	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
NW 2000	17.1	66.1	66.8	67.4	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
NW 1800	17.1	66.1	66.8	67.4	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
NW 1500	17.1	66.5	67.4	68.1	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
NW 1200	17.1	66.8	67.7	68.4	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
NW 1000	17.1	66.8	67.7	68.4	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
NW 900	17.1	66.8	67.7	68.4	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
NW 800	17.1	66.8	67.7	68.4	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
NW 700	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 600	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 500	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 400	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 300	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 200	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 100	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
NW 0	17.1	67.1	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-82

YEAR

AUG

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	≥ 1/16	≥ 0	≥ 0
NO CEILING	14.5	67.1	63.1	48.4	43.7	48.7	48.7	43.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	14.5	68.1	65.7	49.8	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	14.5	68.4	69.4	69.7	71.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	14.5	68.4	69.8	69.7	73.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	15.2	70.0	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	15.5	74.2	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 10000	16.5	78.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 9000	16.5	79.0	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	16.5	81.0	81.9	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	16.5	81.6	82.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 6000	16.5	82.3	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000	16.5	82.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	16.5	82.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	16.5	82.9	83.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	16.5	83.6	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	17.7	89.0	90.3	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	19.4	92.9	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	19.4	93.9	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	19.4	93.9	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1600	19.4	93.9	95.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1400	19.4	94.8	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	19.4	94.8	96.5	98.1	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	19.4	94.8	96.5	98.1	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	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	19.4	94.8	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	19.4	94.8	96.5	98.1	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	19.4	94.8	96.5	98.1	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 117

DIRNAVOCANMET 8MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-224

WINGVILLE, NY

13-62

ALL

STATION

STATION NAME

YEAR

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	12.7	55.6	57.9	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	18.1	80.3	81.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
10000	18.1	80.3	81.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
10000	18.1	80.3	81.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
10000	17.4	81.0	82.3	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
12000	20.3	84.3	85.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
10000	20.7	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
9000	20.7	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
8000	20.7	92.9	93.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
7000	20.7	93.2	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
6000	20.7	93.0	94.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
5000	20.7	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
4000	20.7	94.5	95.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4000	20.7	94.8	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
3000	20.7	94.8	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
3000	21.0	95.5	96.1	97.4	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	21.0	96.1	96.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2000	21.0	96.5	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	21.0	96.5	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	21.0	96.5	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	21.0	96.5	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	21.0	97.1	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	21.0	97.1	97.7	99.0	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 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17024
STATION

ASHEVILLE, NC
STATION NAME

73-82
YEAR

YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/4	≥ 2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.5	71.3	81.6	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
≥ 20000	81.9	81.9	92.3	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
18000	81.9	81.9	92.3	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
16000	81.9	81.9	92.3	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
14000	81.9	81.9	92.3	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
12000	81.9	81.9	92.3	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
10000	81.9	81.9	92.3	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
9000	81.9	81.9	92.3	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
8000	81.9	81.9	92.3	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
7000	81.9	81.9	92.3	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
6000	81.9	81.9	92.3	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
5000	81.9	81.9	92.3	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
4500	81.9	81.9	92.3	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
4000	81.9	81.9	92.3	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
3500	81.9	81.9	92.3	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
3000	81.9	81.9	92.3	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
2500	81.9	81.9	92.3	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
2000	81.9	81.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1800	81.9	81.9	92.3	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
1500	81.9	81.9	92.3	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
1200	81.9	81.9	92.3	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
1000	81.9	81.9	92.3	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
900	81.9	81.9	92.3	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
800	81.9	81.9	92.3	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
700	81.9	81.9	92.3	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
600	81.9	81.9	92.3	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
500	81.9	81.9	92.3	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
400	81.9	81.9	92.3	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
300	81.9	81.9	92.3	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
200	81.9	81.9	92.3	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
100	81.9	81.9	92.3	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
0	81.9	81.9	92.3	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

TOTAL NUMBER OF OBSERVATIONS 21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1949 MONTH ALL

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.2	59.1	61.0	42.8	63.4	63.8	67.2	63.8	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.4
≥ 20000	21.4	71.4	77.3	73.0	76.1	76.1	76.5	76.5	76.5	76.8	76.9	76.9	77.0	77.0	77.1	77.1
IVM 18000	23.4	71.5	73.4	75.1	76.1	76.2	76.5	76.5	76.6	76.9	77.0	77.0	77.0	77.1	77.1	77.1
IVM 16000	23.4	71.5	73.4	75.1	76.2	76.3	76.6	76.6	76.7	77.0	77.1	77.1	77.1	77.2	77.2	77.2
IVM 14000	23.4	72.8	74.3	76.1	77.1	77.1	77.5	77.5	77.8	77.8	77.9	78.0	78.0	78.0	78.1	78.2
IVM 12000	24.3	75.0	76.9	78.7	79.7	79.8	80.2	80.2	80.2	80.6	80.7	80.7	80.7	80.8	80.8	80.9
IVM 10000	24.3	78.0	80.4	81.9	83.7	83.1	83.5	83.5	83.6	83.9	84.7	84.7	84.7	84.8	84.8	84.9
IVM 9000	24.3	78.7	80.7	82.1	83.2	83.3	83.8	83.8	83.8	84.1	84.2	84.2	84.2	84.3	84.4	84.4
IVM 8000	25.2	80.0	82.1	83.9	85.0	85.1	85.6	85.6	85.7	85.9	86.1	86.1	86.1	86.1	86.2	86.2
IVM 7000	25.2	80.4	82.5	84.5	85.6	85.7	86.2	86.2	86.3	86.5	86.7	86.7	86.7	86.7	86.8	86.8
IVM 6000	25.2	81.0	83.2	85.2	86.4	86.5	86.9	86.9	87.0	87.3	87.4	87.4	87.4	87.5	87.5	87.5
IVM 5000	25.2	81.1	83.2	85.2	86.4	86.5	86.9	86.9	87.0	87.3	87.4	87.4	87.4	87.5	87.5	87.5
IVM 4500	25.2	81.1	83.3	85.3	86.5	86.6	87.0	87.0	87.1	87.4	87.5	87.5	87.5	87.6	87.6	87.7
IVM 4000	25.2	81.2	83.4	85.5	86.6	86.7	87.2	87.2	87.3	87.5	87.7	87.7	87.7	87.7	87.8	87.8
IVM 3500	25.2	82.0	84.2	86.3	87.5	87.7	88.1	88.1	88.2	88.5	88.6	88.6	88.6	88.7	88.7	88.8
IVM 3000	25.2	84.5	86.8	89.0	90.3	90.4	90.9	90.9	90.9	91.2	91.3	91.3	91.3	91.4	91.5	91.5
IVM 2500	27.0	86.8	89.2	91.8	92.7	92.8	93.2	93.2	93.3	93.6	93.7	93.7	93.8	93.8	93.8	93.9
IVM 2000	27.0	89.3	91.7	94.0	95.4	95.5	96.0	96.0	96.1	96.3	96.5	96.5	96.5	96.5	96.6	96.6
IVM 1800	27.0	89.4	91.8	94.2	95.5	95.7	96.1	96.1	96.2	96.5	96.6	96.6	96.6	96.7	96.7	96.7
IVM 1500	27.0	91.7	93.2	95.5	96.9	97.1	97.5	97.5	97.6	97.9	98.0	98.0	98.0	98.1	98.1	98.2
IVM 1200	27.0	91.3	93.7	96.1	97.5	97.6	98.1	98.1	98.2	98.4	98.6	98.6	98.6	98.7	98.7	98.7
IVM 1000	27.0	91.8	94.3	96.7	98.1	98.2	98.7	98.7	98.8	99.1	99.2	99.2	99.2	99.3	99.4	99.4
IVM 900	27.0	91.5	94.4	96.8	98.2	98.3	98.8	98.8	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.5
IVM 800	27.0	91.5	94.4	96.8	98.2	98.3	98.8	98.8	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.5
IVM 700	27.0	92.0	94.4	96.9	98.3	98.4	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 600	27.0	92.0	94.5	96.9	98.3	98.4	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 500	27.0	92.0	94.5	96.9	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 400	27.0	92.0	94.5	97.0	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 300	27.0	92.0	94.5	97.0	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 200	27.0	92.0	94.5	97.0	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 100	27.0	92.0	94.5	97.0	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IVM 0	27.0	92.0	94.5	97.0	98.4	98.5	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC YEAR 1952 MONTH SEP
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.) 0

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.7	74.0	74.0	74.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 20000	42.7	83.7	85.0	86.3	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 18000	42.7	83.7	85.0	86.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
16000	42.7	83.7	85.0	86.3	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 14000	42.7	83.7	85.0	86.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
12000	42.7	85.3	86.7	88.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 10000	43.7	86.3	87.7	89.3	90.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
9000	43.7	86.3	87.7	89.3	90.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 8000	43.7	87.7	89.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
7000	43.7	88.3	89.7	91.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 6000	43.7	88.7	90.0	91.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
5000	43.7	88.7	90.0	91.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 4500	43.7	88.7	90.0	91.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
4000	43.7	88.7	90.0	91.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 3500	43.7	89.0	91.7	92.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3000	44.7	90.3	91.7	93.3	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	45.7	91.0	92.3	94.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2000	45.7	92.0	93.3	95.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	45.7	92.3	93.3	95.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1500	45.7	92.3	93.7	95.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	45.7	92.3	93.7	95.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1000	45.7	93.7	95.0	97.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	45.7	93.7	95.0	97.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
800	45.7	94.0	95.3	97.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	45.7	94.0	95.3	97.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	45.7	94.0	95.3	97.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	45.7	94.3	95.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	45.7	94.3	95.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	45.7	94.3	95.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	45.7	94.3	95.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	45.7	94.3	95.7	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	45.7	94.3	95.7	97.7	99.3	99.3	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 WINGVILLE, VA YEAR 1950 MONTH SEP
STATION NAME YEAR MONTH HOURS (L O 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	34.7	69.0	71.3	74.3	76.7	76.3	77.3	77.7	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 18000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 12000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 10000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 9000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 8000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 5000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4500	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1000	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 900	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 800	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 700	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 600	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 500	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 400	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 300	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 200	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 100	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 0	37.7	75.3	78.0	81.0	83.0	83.0	84.3	84.7	85.0	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

KINGVILLE, TX

STATION NAME

73-82

YEAR

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.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	≥ 1/8	≥ 0	≥ 0	
NO CEILING	100.0	87.3	85.0	81.3	83.7	84.0	86.7	88.0	88.0	88.0	89.7	70.3	70.3	71.0	71.0	71.0	71.3
≥ 20000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2500	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1800	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1600	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1500	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1200	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1000	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 900	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 800	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 700	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 600	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 500	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 400	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 300	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 200	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 100	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 0	100.0	81.7	80.7	80.7	70.0	70.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET. SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.G.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	7.3	49.3	57.0	54.3	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	7.3	50.3	57.0	61.3	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
18000	5.3	56.3	61.0	61.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
16000	3.3	56.3	61.0	61.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
14000	4.3	57.7	61.3	63.0	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
12000	3.7	59.0	62.7	64.7	65.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
10000	3.7	61.0	64.7	66.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
9000	4.0	61.3	65.0	67.0	68.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
8000	4.0	63.7	67.7	69.7	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
7000	4.7	64.3	68.7	71.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
6000	4.7	65.0	69.3	71.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
5000	4.7	65.3	69.7	72.0	73.0	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
4500	4.7	65.3	69.7	72.0	73.0	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
4000	4.7	65.7	70.3	72.7	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
3500	4.7	66.0	70.7	73.0	74.3	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
3000	4.7	67.0	71.7	74.0	75.7	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
2500	4.7	69.0	73.7	76.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2000	4.7	73.7	78.3	80.7	82.3	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1800	4.7	74.3	79.3	81.7	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1500	10.7	79.7	84.7	88.0	90.0	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1200	10.7	81.7	86.7	90.0	92.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
1000	10.7	83.0	89.0	91.3	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	10.7	83.3	89.7	92.0	94.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	10.7	83.7	89.3	93.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	10.7	84.0	89.7	93.3	96.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	10.7	84.3	90.0	93.7	96.7	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	10.7	84.3	90.0	93.7	96.7	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400	10.7	84.3	90.0	93.7	96.7	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300	10.7	85.0	90.7	94.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	10.7	85.0	90.7	94.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100	10.7	85.0	90.7	94.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	10.7	85.0	90.7	94.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17024
STATION

ASHEVILLE, TN
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	47.7	49.3	49.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IN 20000	54.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IN 18000	56.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IN 16000	58.3	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	60.0
IN 14000	59.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 12000	62.0	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	64.0	64.0
IN 10000	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IN 9000	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	67.0	67.0	67.0
IN 8000	66.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 7000	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IN 6000	67.0	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	69.3	69.3
IN 5000	67.0	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	69.3	69.3
IN 4500	67.0	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	69.3	69.3
IN 4000	67.0	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	69.3	69.3
IN 3500	69.0	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	72.0	72.0
IN 3000	75.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IN 2500	82.7	85.0	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
IN 2000	87.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IN 1800	88.0	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	91.7	91.7
IN 1500	91.0	93.7	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	95.0
IN 1200	91.7	94.3	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
IN 1000	92.0	94.7	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
IN 900	92.3	95.0	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	97.3
IN 800	92.3	95.0	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	97.3
IN 700	92.3	95.0	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	97.3
IN 600	92.3	95.0	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	97.3
IN 500	93.0	95.7	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
IN 400	93.0	95.7	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
IN 300	93.0	95.7	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
IN 200	93.0	95.7	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
IN 100	93.0	95.7	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
IN 0	93.0	95.7	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

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1779
STATION

WINGSVILLE, TX
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	11.3	41.7	52.7	51.0	51.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 2000	15.3	68.3	73.0	70.3	72.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000	15.3	68.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	15.3	68.3	73.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	15.3	69.3	73.7	71.7	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 12000	15.3	70.3	72.0	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
IV 10000	15.0	73.0	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
IV 9000	15.0	73.0	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
IV 8000	15.3	76.3	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 7000	15.3	77.3	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	80.0
IV 6000	15.3	77.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	15.7	77.7	79.7	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 4500	15.7	77.7	79.7	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 4000	15.7	79.7	81.7	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 3500	15.7	81.0	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	84.0
IV 3000	17.3	85.3	87.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	15.3	88.0	90.0	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
IV 2000	15.7	89.7	92.0	94.0	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 1800	15.7	91.0	93.7	95.7	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 1600	15.7	91.3	94.7	96.0	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 1400	15.7	91.7	94.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	15.7	91.7	94.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	15.7	92.0	95.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 370

DIRNAVOCEANMET SMOB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1982
STATION

WINGVILLE, TX
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L & T)

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	≥ 1/8	≥ 1/2	≥ 0
NO CEILING	16.7	58.7	59.7	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
≥ 3000	16.7	76.7	78.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
10000	16.7	76.7	78.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
14000	16.7	76.7	78.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
14000	17.0	77.0	78.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
12000	17.0	80.0	81.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
10000	17.7	85.3	87.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
9000	17.7	85.3	87.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
8000	18.3	88.3	90.3	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
7000	18.3	89.7	91.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
6000	18.7	89.7	91.7	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
5000	18.7	89.7	91.7	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4000	19.7	89.7	91.7	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4000	19.0	89.7	91.7	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
3500	19.7	90.7	92.7	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
3000	19.7	90.7	92.7	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2500	19.7	90.7	92.7	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2000	19.7	91.7	93.7	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1500	19.7	91.7	93.7	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1200	19.7	92.0	93.0	95.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1000	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
900	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
800	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
700	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
600	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
400	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
100	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	19.7	93.0	95.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1976
STATION

KINGSVILLE, TX
STATION NAME

73-84
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
DAYS (D.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	76.3	77.7	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 20000	39.7	84.7	86.0	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 18000	39.7	84.7	86.0	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 16000	39.7	84.7	86.0	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 14000	40.0	85.0	86.3	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 12000	40.3	85.7	87.3	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	41.7	88.3	90.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 9000	41.7	88.3	90.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 8000	42.0	90.0	91.7	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 7000	42.0	90.0	91.7	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 6000	42.0	91.0	93.0	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 5000	42.0	91.3	93.3	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 4500	42.3	91.7	93.7	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	42.7	92.0	94.0	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	42.7	92.0	94.0	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000	42.7	92.0	94.0	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	43.7	92.3	94.3	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	43.3	93.3	95.3	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	43.3	93.3	95.3	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1600	44.3	95.0	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1400	44.7	95.7	98.0	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	44.7	95.7	98.0	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	44.7	95.7	98.0	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	44.7	96.0	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 0000
DATE

MT. G. VILLF, VA
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & N)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 3 1/2	≥ 3	≥ 2 1/2	≥ 2 1/2	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4
NO CEILING	60.1	59.3	61.7	63.3	64.2	64.3	64.8	65.0	65.0	65.3	65.4	65.4	65.4	65.5	65.5	65.5
≥ 20000	22.5	69.3	71.0	71.8	74.8	74.8	75.8	75.8	75.7	75.9	76.0	76.0	76.0	76.1	76.1	76.1
≥ 18000	22.5	69.3	72.0	73.9	74.8	74.9	75.8	75.7	75.7	76.0	76.0	76.0	76.0	76.1	76.1	76.2
≥ 16000	22.5	69.4	72.1	74.0	74.9	75.0	75.5	75.8	75.8	76.0	76.1	76.1	76.1	76.2	76.2	76.1
≥ 14000	22.7	69.9	72.7	74.8	75.4	75.8	76.1	76.3	76.4	76.6	76.7	76.7	76.8	76.8	76.8	76.8
≥ 12000	22.9	71.4	73.3	74.3	77.3	77.8	78.2	78.8	78.8	78.8	78.7	78.8	78.8	78.8	78.8	78.9
≥ 10000	23.4	73.9	76.8	78.8	79.8	80.8	80.7	80.9	81.0	81.2	81.3	81.3	81.4	81.4	81.4	81.4
≥ 9000	23.4	74.0	76.8	78.9	79.9	80.0	80.8	81.0	81.1	81.3	81.8	81.8	81.8	81.8	81.8	81.8
≥ 8000	23.4	74.0	79.1	81.2	82.2	82.4	83.2	83.4	83.5	83.7	83.8	83.8	83.9	83.9	83.9	83.9
≥ 7000	23.7	76.7	80.0	82.2	83.3	83.9	84.8	85.4	85.6	85.9	85.0	85.0	85.0	85.0	85.1	85.1
≥ 6000	24.7	77.0	80.3	82.3	83.4	83.9	84.7	84.9	85.0	85.2	85.3	85.3	85.4	85.4	85.4	85.5
≥ 5000	24.1	77.3	80.3	82.6	83.7	84.1	84.9	85.2	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7
≥ 4000	24.2	77.8	81.1	83.3	84.3	84.8	85.3	85.8	85.9	86.1	86.2	86.2	86.3	86.3	86.3	86.4
≥ 3000	24.5	78.3	81.4	84.1	85.3	85.8	86.3	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.1	87.1
≥ 2000	25.0	80.3	83.7	86.0	87.3	87.8	88.4	88.7	88.8	89.0	89.1	89.1	89.2	89.2	89.2	89.3
≥ 1800	25.4	82.0	85.4	87.8	89.0	89.3	90.2	90.6	90.5	90.8	90.9	90.9	90.9	91.0	91.0	91.0
≥ 1600	25.7	84.9	88.0	90.8	91.8	91.7	92.8	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1400	26.1	86.9	90.0	92.8	94.1	94.0	95.3	95.7	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3
≥ 1200	26.1	87.3	91.0	94.0	95.5	95.3	97.3	97.7	97.8	98.0	98.1	98.1	98.2	98.2	98.3	98.3
≥ 1000	26.3	88.0	91.8	94.6	96.2	96.3	97.8	97.9	98.0	98.3	98.3	98.3	98.4	98.4	98.5	98.5
≥ 900	26.7	88.7	92.0	95.7	96.8	96.9	97.7	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9
≥ 800	26.3	88.4	92.2	95.1	96.7	97.0	98.2	98.8	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.2
≥ 700	26.2	88.8	92.4	95.2	96.9	97.3	98.8	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 600	26.2	88.8	92.4	95.2	96.9	97.3	98.8	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 500	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 400	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 300	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 200	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 100	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 0	26.2	88.7	92.4	95.4	97.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 024
STATION

1065 ILLF, TX
STATION NAME

1-62
YEAR

307
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	43.0	70.3	77.9	73.2	73.2	73.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	41.2	73.6	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	76.5
≥ 18000	45.2	73.6	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	76.5
≥ 14000	45.2	73.6	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	76.5
≥ 14000	45.2	73.9	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1
≥ 12000	45.2	73.9	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1
≥ 10000	45.2	75.2	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
≥ 9000	45.2	75.2	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
≥ 8000	46.2	78.1	81.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
≥ 7000	47.4	79.7	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6
≥ 6000	47.4	79.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9
≥ 5000	49.7	82.9	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 4800	49.7	83.2	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	86.8
≥ 4000	50.0	80.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1
≥ 3800	50.3	85.2	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
≥ 3000	51.5	86.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
≥ 2800	51.6	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3
≥ 2000	51.7	88.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
≥ 1800	52.3	88.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.3
≥ 1500	52.6	91.1	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	95.2
≥ 1200	53.6	92.9	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.1
≥ 1000	53.6	93.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.7
≥ 800	53.6	93.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	98.1
≥ 600	53.6	93.9	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.4
≥ 400	53.6	94.5	98.1	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	53.6	94.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.7
≥ 200	53.6	94.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.7
≥ 100	53.6	94.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.7
0	57.6	94.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMO8

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 76
DATE

ASHEVILLE, NC
STATION NAME

73-42
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0
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	37.3	61.0	67.6	67.1	68.7	69.0	69.0	69.7	69.7	70.0	70.7	70.7	70.7	70.7	71.0	71.2
≥ 20000	36.5	62.9	65.5	69.0	72.7	71.0	71.3	71.6	71.6	71.9	72.6	72.6	72.6	72.6	72.9	73.2
≥ 18000	36.9	62.9	65.5	69.0	70.7	71.0	71.3	71.6	71.6	71.9	72.6	72.6	72.6	72.6	72.9	73.2
≥ 16000	36.3	62.9	65.5	69.0	70.7	71.0	71.3	71.6	71.6	71.9	72.6	72.6	72.6	72.6	72.9	73.2
≥ 14000	37.4	63.6	66.1	69.7	71.3	71.6	71.9	72.3	72.3	72.6	73.2	73.2	73.2	73.2	73.6	73.9
≥ 12000	37.3	63.2	66.8	70.3	71.9	72.3	72.6	72.9	72.9	73.2	73.9	73.9	73.9	73.9	74.2	74.5
≥ 10000	37.4	63.5	69.0	71.9	73.4	73.9	74.2	74.5	74.5	74.8	75.5	75.5	75.5	75.5	75.8	76.1
≥ 9000	35.4	63.5	69.0	72.6	74.2	74.5	74.8	75.2	75.2	75.5	76.1	76.1	76.1	76.1	76.5	76.8
≥ 8000	39.4	65.7	71.3	74.8	76.5	76.8	77.1	77.8	77.8	77.8	78.4	78.4	78.4	78.4	78.7	79.0
≥ 7000	39.4	69.7	72.3	75.8	77.4	77.7	78.1	78.8	78.8	78.7	79.4	79.4	79.4	79.4	79.7	80.0
≥ 6000	40.0	70.3	72.9	76.5	78.1	78.4	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.3	80.7
≥ 5000	41.2	73.9	76.5	80.0	81.6	81.9	82.3	82.6	82.6	82.9	83.6	83.6	83.6	83.6	83.9	84.2
≥ 4500	41.6	74.8	77.1	80.7	82.3	82.6	82.9	83.2	83.2	83.6	84.2	84.2	84.2	84.2	84.5	84.9
≥ 4000	42.3	75.5	79.4	81.9	83.6	83.9	84.2	84.5	84.5	84.9	85.5	85.5	85.5	85.5	85.8	86.1
≥ 3500	42.6	76.5	79.0	82.6	84.2	84.5	84.8	85.2	85.2	85.5	86.1	86.1	86.1	86.1	86.5	86.8
≥ 3000	42.3	77.7	80.3	83.9	85.5	85.8	86.1	86.5	86.5	86.8	87.4	87.4	87.4	87.4	87.7	88.1
≥ 2500	43.2	78.1	80.7	84.2	85.8	86.1	86.5	86.8	86.8	87.1	87.7	87.7	87.7	87.7	88.1	88.4
≥ 2000	43.6	79.4	81.6	85.2	86.8	87.1	87.4	87.7	87.7	88.1	88.7	88.7	88.7	88.7	89.0	89.4
≥ 1800	43.7	79.4	81.9	85.5	87.1	87.4	87.7	88.1	88.1	88.4	89.0	89.0	89.0	89.0	89.4	89.7
≥ 1600	45.5	81.9	83.5	86.1	87.7	88.0	88.3	88.7	88.7	89.0	89.6	89.6	89.6	89.6	89.9	90.2
≥ 1400	45.4	83.6	86.1	89.7	91.3	91.6	91.9	92.3	92.3	92.6	93.2	93.2	93.2	93.2	93.6	93.9
≥ 1200	46.1	84.8	87.4	91.0	92.6	92.9	93.2	93.6	93.6	93.9	94.5	94.5	94.5	94.5	94.9	95.2
≥ 1000	46.6	85.8	88.4	91.9	93.5	93.8	94.1	94.5	94.5	94.8	95.4	95.4	95.4	95.4	95.8	96.1
≥ 900	46.2	86.9	89.4	92.9	94.5	94.8	95.1	95.5	95.5	95.8	96.4	96.4	96.4	96.4	96.8	97.1
≥ 800	46.5	87.1	90.0	93.6	95.2	95.5	95.8	96.2	96.2	96.5	97.1	97.1	97.1	97.1	97.5	97.8
≥ 700	46.5	87.4	90.3	93.9	95.5	95.8	96.1	96.5	96.5	96.8	97.4	97.4	97.4	97.4	97.8	98.1
≥ 600	46.5	87.4	90.3	94.2	95.8	96.1	96.4	96.8	96.8	97.1	97.7	97.7	97.7	97.7	98.1	98.4
≥ 500	46.5	87.4	90.7	94.5	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7
≥ 400	46.5	87.4	90.7	94.8	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7
≥ 300	46.5	87.4	90.7	94.8	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7
≥ 200	46.5	87.4	90.7	94.8	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7
≥ 100	46.5	87.4	90.7	94.8	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7
≥ 0	46.5	87.4	90.7	94.8	96.1	96.4	96.7	97.1	97.1	97.4	98.0	98.0	98.0	98.0	98.4	98.7

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-22
STATION

ASHEVILLE, NC
STATION NAME

1952
YEAR

007
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 A
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0
NO CEILING	22.4	46.4	51.9	55.5	58.1	58.1	61.0	61.3	61.7	61.9	62.9	62.9	63.2	64.5	65.8
IV 20000	27.7	50.7	54.2	57.7	60.3	60.3	63.2	63.6	63.6	64.2	65.2	65.2	65.5	65.5	67.1
IV 18000	25.4	50.7	54.2	57.7	60.3	60.3	63.2	63.6	63.6	64.2	65.2	65.2	65.5	65.5	67.1
IV 16000	25.4	50.7	54.2	57.7	60.3	60.3	63.2	63.6	63.6	64.2	65.2	65.2	65.5	65.5	67.1
IV 14000	24.2	51.3	54.8	58.4	61.0	61.0	63.9	64.2	64.2	64.8	65.8	65.8	66.1	66.1	67.7
IV 12000	24.2	51.3	54.2	58.7	61.3	61.3	64.2	64.5	64.5	65.2	66.1	66.1	66.5	66.5	68.1
IV 10000	24.6	52.7	56.8	60.3	62.9	62.9	65.8	66.1	66.1	66.8	67.7	67.7	68.4	68.4	70.0
IV 9000	24.6	52.7	57.1	60.7	63.2	63.2	66.1	66.5	66.5	67.1	68.1	68.1	68.7	68.7	70.3
IV 8000	25.2	53.2	57.4	60.9	63.5	63.5	66.4	66.7	66.7	67.4	68.4	68.4	69.1	69.1	70.7
IV 7000	25.2	53.2	57.4	60.9	63.5	63.5	66.4	66.7	66.7	67.4	68.4	68.4	69.1	69.1	70.7
IV 6000	25.4	57.1	61.3	64.8	67.4	67.4	70.3	70.7	70.7	71.6	72.6	72.6	73.2	73.2	74.8
IV 5000	24.1	58.4	62.6	66.1	69.0	69.0	71.9	72.3	72.6	73.2	74.2	74.2	74.8	74.8	76.5
IV 4500	26.1	58.4	62.6	66.1	69.0	69.0	71.9	72.3	72.6	73.2	74.2	74.2	74.8	74.8	76.5
IV 4000	26.8	59.4	63.6	67.1	70.0	70.0	72.9	73.2	73.6	74.2	75.2	75.2	75.8	75.8	77.4
IV 3500	28.1	61.3	66.8	70.3	73.2	73.2	76.1	76.5	76.8	77.4	78.4	78.4	79.0	79.0	80.7
IV 3000	28.4	63.6	68.4	71.9	74.8	74.8	77.7	78.1	78.4	79.0	80.0	80.0	80.7	80.7	82.3
IV 2500	28.4	63.6	68.4	71.9	74.8	74.8	77.7	78.1	78.4	79.0	80.0	80.0	80.7	80.7	82.3
IV 2000	28.4	63.6	68.4	71.9	74.8	74.8	77.7	78.1	78.4	79.0	80.0	80.0	80.7	80.7	82.3
IV 1800	28.4	67.4	72.3	76.1	79.0	79.0	81.9	82.3	82.6	83.2	84.2	84.2	84.8	84.8	86.5
IV 1600	28.4	67.4	72.3	76.1	79.0	79.0	81.9	82.3	82.6	83.2	84.2	84.2	84.8	84.8	86.5
IV 1400	28.4	67.4	72.3	76.1	79.0	79.0	81.9	82.3	82.6	83.2	84.2	84.2	84.8	84.8	86.5
IV 1200	28.4	70.0	75.8	80.0	82.9	82.9	85.8	86.1	86.5	87.1	88.1	88.1	88.7	88.7	90.3
IV 1000	28.4	70.0	75.8	80.0	82.9	82.9	85.8	86.1	86.5	87.1	88.1	88.1	88.7	88.7	90.3
IV 900	29.7	71.0	77.4	81.6	84.5	84.5	87.4	87.7	88.1	88.7	89.7	89.7	90.3	90.3	91.9
IV 800	29.7	71.0	77.4	81.6	84.5	84.5	87.4	87.7	88.1	88.7	89.7	89.7	90.3	90.3	91.9
IV 700	29.7	71.0	77.4	81.6	84.5	84.5	87.4	87.7	88.1	88.7	89.7	89.7	90.3	90.3	91.9
IV 600	29.7	71.0	77.4	81.6	84.5	84.5	87.4	87.7	88.1	88.7	89.7	89.7	90.3	90.3	91.9
IV 500	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9
IV 400	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9
IV 300	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9
IV 200	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9
IV 100	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9
IV 0	29.7	73.2	79.0	83.2	86.1	86.1	89.0	89.4	89.7	90.3	91.3	91.3	92.3	92.3	93.9

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-82 MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUS (L E T)

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		
NO CEILING	11.0	52.6	56.5	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.3	59.0	59.0	59.0	59.0	59.4	59.4
IN 20000	12.3	55.2	58.0	61.6	61.6	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IN 18000	12.3	55.2	58.0	61.6	61.6	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IN 16000	12.3	55.2	58.0	61.6	61.6	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IN 14000	12.3	56.1	61.3	62.9	62.9	63.2	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IN 12000	12.3	57.1	61.6	64.2	64.2	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5
IN 10000	12.3	58.4	63.2	65.8	65.8	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1
IN 9000	12.3	59.7	63.5	67.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4
IN 8000	12.7	62.9	67.7	70.3	70.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
IN 7000	12.7	63.9	68.7	71.3	71.3	71.6	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
IN 6000	12.7	64.2	69.4	71.9	71.9	72.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2	73.2
IN 5000	12.7	64.5	70.0	72.6	72.6	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.9	73.9
IN 4500	12.7	64.5	70.0	72.6	72.6	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.9	73.9
IN 4000	12.7	65.2	70.7	73.8	73.8	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	74.8
IN 3500	13.2	67.1	72.9	75.8	75.8	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
IN 3000	13.2	68.7	74.8	77.7	77.7	78.1	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3
IN 2500	13.2	71.6	77.7	80.7	81.3	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6
IN 2000	13.2	73.9	80.0	82.9	83.9	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.2
IN 1800	13.2	73.9	80.0	83.2	84.2	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5
IN 1500	13.2	77.4	83.9	87.1	88.1	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3
IN 1200	13.2	79.7	85.5	89.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.6
IN 1000	13.2	80.7	87.1	91.3	91.9	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6	93.6
IN 900	13.2	81.3	87.7	91.0	92.6	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2
IN 800	13.2	82.3	88.7	91.9	93.6	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5
IN 700	13.2	82.9	89.4	92.9	94.5	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5
IN 600	13.2	82.9	89.7	93.2	94.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.8
IN 500	13.2	82.9	90.0	93.6	95.2	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
IN 400	13.2	82.9	90.3	93.9	95.5	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7
IN 300	13.2	82.9	90.3	93.9	95.5	96.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
IN 200	13.2	82.9	90.3	93.9	95.5	96.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
IN 100	13.2	82.9	90.3	93.9	95.5	96.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
IN 0	13.2	82.9	90.3	93.9	95.5	96.8	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1957 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L S T): 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	11.0	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	
IV 20000	12.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
IV 18000	17.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
IV 14000	12.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
IV 14000	17.0	46.4	47.4	46.6	46.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	
IV 12000	11.0	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 10000	17.0	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	
IV 9000	13.0	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	
IV 8000	11.0	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	
IV 7000	11.0	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	55.2	
IV 6000	11.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	
IV 5000	11.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	
IV 4500	11.0	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	
IV 4000	14.0	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	
IV 3500	14.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
IV 3000	14.0	73.2	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 2500	14.0	85.2	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	
IV 2000	14.0	90.0	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 1800	14.0	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 1500	14.0	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	
IV 1200	14.0	95.2	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 1000	14.0	94.2	95.5	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
IV 900	14.0	94.2	95.5	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
IV 800	14.0	95.2	95.5	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
IV 700	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 600	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 500	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 400	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 300	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 200	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 100	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
IV 0	14.0	95.2	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 72-82 MONTH: 0-11
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L. O. Y.): 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 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	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 20000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	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 8000	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	70.7	70.7
IV 7000	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 6000	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 5000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	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	73.6
IV 4000	76.8	76.8	76.8	76.8	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 3500	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 3000	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 2500	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 2000	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	92.9	92.9
IV 1800	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 1500	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	95.5
IV 1200	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 1000	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 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	97.1
IV 800	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 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	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 500	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 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	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	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: 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEAR: 1954 MONTH: 15 HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	71.6	71.6	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
≥ 20000	71.6	71.6	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 18000	71.6	71.6	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 16000	71.6	71.6	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 14000	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 12000	74.2	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 10000	74.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 8000	1.8	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	83.2
IV 7000	2.6	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 6000	3.6	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 5000	5.2	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 4500	8.5	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 4000	8.4	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 3500	8.4	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 3000	11.0	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	11.0	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	92.9
IV 2000	11.9	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	13.2	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	95.2
IV 1500	13.9	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 1200	14.2	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 1000	15.2	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 900	15.2	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	15.2	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	15.2	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	15.2	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	15.2	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	15.2	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	15.2	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	15.2	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	15.2	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
AV	15.2	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 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEAR

05

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.O.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	4.5	73.2	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 20000	4.5	76.1	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
IV 18000	4.5	76.1	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
IV 16000	4.5	76.1	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
IV 14000	4.5	76.1	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
IV 12000	4.5	76.1	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
IV 10000	4.5	79.4	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 9000	4.5	79.4	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 8000	4.5	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 7000	4.5	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 6000	4.5	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 5000	4.5	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 4500	4.5	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 4000	4.5	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 3500	4.5	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 3000	4.5	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	4.5	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 2000	4.5	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 1800	4.5	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 1500	4.5	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 1200	4.5	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 1000	4.5	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 900	4.5	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 800	4.5	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 700	4.5	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 600	4.5	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 500	4.5	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 400	4.5	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 300	4.5	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 200	4.5	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 100	4.5	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
0	4.5	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

TOTAL NUMBER OF OBSERVATIONS 21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

1950

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

DATA (L 0 1)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	25.7	58.2	67.0	61.2	61.7	61.8	62.2	62.3	62.3	62.4	62.6	62.6	62.7	62.7	62.9	63.2
≥ 30000	27.7	62.2	64.0	65.2	65.8	65.9	66.3	66.4	66.4	66.5	66.7	66.7	66.8	66.8	67.1	67.3
IV 18000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 16000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 14000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 12000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 10000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 9000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 8000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 7000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 6000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 5000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 4500	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 4000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 3500	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 3000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 2500	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 2000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 1800	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 1500	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 1200	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 1000	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 900	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 800	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 700	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 600	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 500	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 400	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 300	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 200	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 100	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4
IV 0	27.7	62.2	64.0	65.3	65.9	65.9	66.3	66.5	66.5	66.6	66.8	66.8	66.8	66.8	67.1	67.4

TOTAL NUMBER OF OBSERVATIONS 2880

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11001
STATION

WINGSVILLE, TX
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 0	
NO CEILING	57.7	52.7	50.0	48.3	46.0	41.0	42.0	42.3	42.3	42.3	43.3	42.3	42.7	43.0	43.3	43.7
≥ 20000	60.7	62.3	62.7	63.3	63.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.3	65.7
18000	60.7	62.3	62.7	63.3	63.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.3	65.7
16000	60.7	62.3	62.7	63.3	63.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.3	65.7
14000	60.7	62.3	62.7	63.3	63.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.3	65.7
12000	60.7	62.3	62.7	63.3	63.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.3	65.7
10000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
9000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
8000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
7000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
6000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
5000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
4500	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
4000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
3500	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
3000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
2500	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
2000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
1800	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
1500	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
1200	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
1000	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
900	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
800	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
700	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
600	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
500	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
400	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
300	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
200	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
100	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0
0	61.3	63.0	63.3	63.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.7	66.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1522

ASHEVILLE, NC

STATION NAME

1-22

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO

NOV (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	41.0	47.0	48.0	50.0	52.0	53.0	53.0	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 20000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 16000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 14000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 10000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 9000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 8000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 6000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4800	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3500	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2500	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1800	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1600	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1400	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1200	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1000	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 900	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 800	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 700	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 600	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 500	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 400	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 300	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 200	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 100	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
0	41.0	47.0	49.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 226
STATION

ASHEVILLE, TN
STATION NAME

73-42
YEAR

NCY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

26
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	22.7	40.3	42.0	44.3	45.0	45.7	46.3	47.0	47.7	48.0	48.0	48.7	49.3	49.3	50.7
≥ 20000	22.7	41.7	43.3	45.7	46.3	47.0	47.7	48.3	48.3	49.0	49.7	49.7	50.3	51.0	52.0
18000	27.3	41.7	43.3	45.7	46.3	47.0	47.7	48.3	48.3	49.0	49.7	49.7	50.3	51.0	52.0
16000	27.3	41.7	43.3	45.7	46.3	47.0	47.7	48.3	48.3	49.0	49.7	49.7	50.3	51.0	52.0
14000	27.3	41.7	43.3	45.7	46.3	47.0	47.7	48.3	48.3	49.0	49.7	49.7	50.3	51.0	52.0
12000	27.3	42.0	43.7	46.0	46.7	47.3	48.0	48.7	48.7	49.3	50.0	50.0	50.7	51.3	52.7
10000	27.3	42.7	44.3	46.7	47.3	48.0	48.7	49.3	49.3	50.0	50.7	50.7	51.3	52.0	53.0
9000	27.3	43.0	44.7	47.0	47.7	48.3	49.0	49.7	49.7	50.3	51.0	51.0	51.7	52.3	53.7
8000	27.3	44.3	46.0	48.3	49.0	49.7	50.3	51.0	51.0	51.7	52.3	52.3	53.0	53.7	55.7
7000	27.3	45.7	47.3	49.7	50.3	51.0	51.7	52.3	52.3	53.0	53.7	53.7	54.3	55.7	56.7
6000	27.3	46.7	47.7	50.0	50.7	51.3	52.0	52.7	52.7	53.3	54.0	54.0	54.7	55.3	56.3
5000	32.3	49.3	51.3	53.7	54.3	55.0	55.7	56.3	56.3	57.0	57.7	57.7	58.3	59.7	60.7
4300	32.3	50.3	52.0	54.3	55.0	55.7	56.3	57.0	57.0	57.7	58.3	58.3	59.0	59.7	60.7
4000	32.3	51.3	53.3	56.0	56.7	57.3	58.0	58.7	58.7	59.3	60.0	60.0	60.7	61.3	62.3
3300	36.3	53.3	55.0	58.0	58.7	59.3	60.0	60.7	60.7	61.3	62.0	62.0	62.7	63.3	64.3
3000	36.3	53.3	55.3	58.3	59.0	60.0	60.7	61.3	62.0	62.7	63.3	63.3	64.0	64.7	65.7
2500	36.7	58.0	60.0	63.0	63.7	64.3	65.0	65.7	65.7	66.3	67.0	67.0	67.7	68.3	69.3
2000	37.7	59.7	61.7	65.0	65.7	66.3	67.0	67.7	67.7	68.3	69.0	69.0	69.7	70.3	71.3
1800	38.0	60.3	62.3	65.7	66.3	67.0	67.7	68.3	68.3	69.0	69.7	69.7	70.3	71.0	72.0
1300	38.3	63.0	65.0	69.3	70.0	70.7	71.3	72.0	72.0	72.7	73.3	73.3	74.0	74.7	75.7
1200	38.7	64.7	67.0	71.3	72.0	72.7	73.3	74.0	74.0	74.7	75.3	75.3	76.3	77.0	78.3
1000	38.7	66.3	68.7	73.7	74.3	75.0	75.7	76.3	76.3	77.0	77.0	78.0	78.0	79.0	80.7
900	38.7	67.3	70.0	75.0	75.7	76.3	77.0	77.7	77.7	78.3	79.3	79.3	80.3	81.0	82.0
800	38.7	69.3	72.0	77.0	77.7	78.3	79.0	79.7	79.7	80.3	81.3	81.3	82.3	83.0	84.3
700	39.3	69.7	72.7	77.7	78.3	79.0	79.7	80.3	80.3	81.0	82.0	82.0	83.0	83.7	84.7
600	39.3	70.7	74.0	79.0	79.7	80.3	81.0	81.7	82.0	82.0	83.0	83.0	84.0	84.7	85.7
500	39.3	72.0	75.7	80.7	81.3	82.0	82.7	83.3	83.3	84.0	85.0	85.0	86.0	86.7	87.7
400	39.3	72.0	76.3	81.7	82.3	83.0	83.7	84.3	84.3	85.0	86.0	86.0	87.0	87.7	88.7
300	39.3	72.3	76.7	82.0	83.0	83.7	84.7	85.3	85.3	86.0	87.0	87.0	88.0	89.3	90.0
200	39.3	72.3	76.7	82.3	83.3	84.0	85.0	85.0	85.0	86.0	87.0	87.0	88.0	89.3	90.0
100	39.3	72.7	77.0	82.7	83.7	84.3	85.3	86.3	86.3	87.0	88.0	88.0	89.7	91.3	92.0
0	35.3	72.7	77.0	82.7	83.7	84.3	85.3	86.3	86.3	87.0	88.0	88.0	89.7	91.3	92.0

TOTAL NUMBER OF OBSERVATIONS 330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

13-42

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS IN MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	11.4	37.9	36.8	42.8	44.2	46.2	48.2	48.5	48.8	45.2	45.5	45.6	46.2	46.2	46.2	46.2
≥ 20000	11.4	42.5	44.8	47.8	49.5	49.5	49.5	49.8	49.8	50.5	50.8	50.8	51.5	51.5	51.8	51.8
≥ 18000	12.7	42.5	44.8	47.8	49.5	49.5	49.5	49.8	49.8	50.5	50.8	50.8	51.5	51.5	51.8	51.8
≥ 16000	12.7	42.5	44.8	47.8	49.5	49.5	49.5	49.8	49.8	50.5	50.8	50.8	51.5	51.5	51.8	51.8
≥ 14000	13.4	42.5	44.8	47.8	49.5	49.5	49.5	49.8	49.8	50.5	50.8	50.8	51.5	51.5	51.8	51.8
≥ 12000	12.7	42.5	44.8	47.8	49.5	49.5	49.5	49.8	49.8	50.5	50.8	50.8	51.5	51.5	51.8	51.8
≥ 10000	12.7	43.5	45.8	49.2	50.8	50.8	50.8	51.2	51.2	51.8	51.8	52.2	52.8	52.8	53.2	53.2
≥ 9000	12.7	43.5	46.2	49.5	51.2	51.2	51.2	51.8	51.8	52.2	52.2	52.2	52.8	52.8	53.2	53.2
≥ 8000	12.7	45.5	48.2	51.8	53.5	53.5	53.5	54.2	54.2	54.9	54.9	55.2	55.9	55.9	56.2	56.2
≥ 7000	11.7	46.5	49.8	52.8	54.5	54.5	54.5	55.2	55.2	55.9	55.9	56.2	56.9	56.9	57.2	57.2
≥ 6000	13.4	47.5	51.5	54.5	56.2	56.2	56.2	56.9	56.9	57.5	57.5	57.9	58.5	58.5	58.9	58.9
≥ 5000	13.7	51.5	54.5	58.5	60.2	60.2	60.2	60.9	60.9	61.5	61.9	61.9	62.5	62.5	62.9	62.9
≥ 4500	17.7	52.5	55.5	59.5	61.2	61.2	61.2	61.9	61.9	62.5	62.9	62.9	63.6	63.6	63.9	63.9
≥ 4000	14.4	53.5	56.5	60.9	62.5	62.5	62.5	63.2	63.2	63.9	63.9	64.2	64.9	64.9	65.2	65.2
≥ 3500	14.4	54.5	57.9	62.2	63.9	63.9	63.9	64.6	64.6	65.2	65.6	65.6	66.2	66.2	66.6	66.6
≥ 3000	13.4	56.5	60.2	64.6	66.2	66.2	66.2	66.9	66.9	67.6	67.9	67.9	68.6	68.6	68.9	68.9
≥ 2500	14.7	58.5	61.9	66.2	67.9	67.9	67.9	68.6	68.6	69.2	69.6	69.6	70.2	70.2	70.6	70.6
≥ 2000	14.7	60.2	63.9	68.2	69.9	69.9	69.9	70.6	70.6	71.2	71.6	71.6	72.2	72.2	72.6	72.6
≥ 1800	14.7	60.5	64.2	68.8	70.2	70.2	70.2	71.2	71.2	71.9	72.2	72.2	72.9	72.9	73.2	73.2
≥ 1600	15.1	64.2	68.2	73.2	74.9	74.9	74.9	75.9	75.9	76.6	76.9	76.9	77.6	77.6	77.9	77.9
≥ 1400	15.7	66.8	71.9	76.8	78.3	78.3	78.3	79.6	79.6	80.3	80.6	80.6	81.3	81.3	81.6	81.6
≥ 1200	15.7	67.6	71.9	77.9	79.6	79.6	79.6	80.3	81.3	81.3	82.2	82.6	82.6	83.3	83.3	83.6
≥ 1000	15.7	68.2	72.6	78.6	80.3	80.3	80.3	81.9	81.9	82.9	83.6	83.6	84.3	84.3	84.6	85.0
≥ 900	14.1	69.9	74.9	81.6	84.0	84.0	84.0	85.0	85.0	87.0	87.6	87.6	88.3	88.3	88.6	89.0
≥ 800	16.1	70.6	75.6	82.6	85.3	85.3	85.3	86.6	87.6	87.6	88.6	89.3	89.3	90.0	90.3	90.6
≥ 700	16.1	70.6	75.9	84.3	87.6	87.6	87.6	89.0	90.3	90.6	91.6	92.3	92.3	93.0	93.3	93.7
≥ 600	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.3	91.6	92.3	93.0	93.7	93.7	94.3	94.3	94.3
≥ 500	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3
≥ 400	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3
≥ 300	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3
≥ 200	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3
≥ 100	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3
≥ 0	16.1	70.9	76.3	84.6	88.3	88.3	88.3	90.6	92.3	93.0	93.7	94.3	94.3	95.0	95.0	95.3

TOTAL NUMBER OF OBSERVATIONS 289

DIRNAVOCEANMET SMO8

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1 000
STATION

ASHEVILLE, NC
STATION NAME

73-92
YEAR

YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV
MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 20000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
18000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
16000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
14000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
12000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
10000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
9000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
8000	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	54.2
7000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
6000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
5000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
4500	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
4000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
3500	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	64.2
3000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
2500	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
1800	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1600	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
1500	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
1400	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	85.7
1200	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
1000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
900	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
800	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
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	94.7
600	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
500	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
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
300	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
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
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
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 29

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

WINGS ILLF

STATION NAME

1957

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.O.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	51.4	56.5	57.5	57.5	56.5	50.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	23.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000	23.8	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 16000	23.8	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 14000	23.8	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 12000	24.1	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 10000	24.1	60.5	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 9000	24.1	60.5	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	24.4	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	24.4	64.9	64.9	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 6000	24.8	65.2	65.2	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
IV 5000	24.8	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 4500	25.1	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 4000	26.8	72.2	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	27.4	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 3000	27.4	80.6	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	80.9
IV 2500	28.4	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	28.8	87.6	87.6	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 1900	28.8	87.6	87.6	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 1800	28.8	89.1	89.1	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 1700	28.8	89.1	89.1	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 1600	28.8	91.3	91.3	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 1500	28.8	91.3	91.3	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 1400	28.8	91.6	91.6	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 1300	28.8	91.6	91.6	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 1200	28.8	91.6	91.6	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 1100	28.8	91.6	91.6	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 1000	28.8	91.6	91.6	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 900	28.8	91.6	91.6	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 800	28.8	91.6	91.6	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 700	28.8	91.6	91.6	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 600	28.8	91.6	91.6	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 500	28.8	91.6	91.6	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 400	28.8	91.6	91.6	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 300	28.8	91.6	91.6	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 200	28.8	91.6	91.6	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 100	28.8	91.6	91.6	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 0	28.8	91.6	91.6	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

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOG

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1958
STATION

KINGSVILLE, VA
STATION NAME

73-02
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

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	72.7	53.3	59.7	70.0	67.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 20000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 18000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 16000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 14000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 12000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 10000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 9000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 8000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 7000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 6000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 5000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 4500	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 4000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 3500	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 3000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 2500	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 2000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 1800	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 1500	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 1200	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 1000	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 900	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 800	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 700	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 600	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 500	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 400	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 300	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 200	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 100	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 0	22.7	26.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEARS

NOV

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	≥ 3/16	≥ 0	
NO CEILING	37.7	61.0	61.7	62.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	65.3	65.3	65.3	66.3	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
18000	65.3	65.3	66.3	66.3	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
16000	65.3	65.3	66.3	66.3	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
14000	65.3	65.3	66.3	66.3	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
12000	65.3	66.3	67.0	67.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
10000	65.3	67.0	67.7	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
9000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
8000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
7000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
6000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
5000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4500	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
3500	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
3000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2500	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1800	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1600	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1400	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1200	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1000	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
900	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
800	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
700	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
600	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
500	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
400	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
300	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
200	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
100	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
0	65.3	67.3	68.0	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS 320

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: NOV
 STATION: 1100 STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	5.0	44.7	50.7	51.0	52.4	52.6	53.0	53.2	53.2	53.4	53.5	53.5	53.7	53.9	54.1	54.2
IV 20000	5.1	54.5	55.2	54.2	57.0	57.1	57.5	57.7	57.7	58.0	58.1	58.1	58.3	58.5	58.9	59.1
IV 18000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 16000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 14000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 12000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 10000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 9000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 8000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 7000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 6000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 5000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 4500	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 4000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 3500	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 3000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 2500	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 2000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 1800	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 1500	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 1200	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 1000	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 900	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 800	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 700	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 600	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 500	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 400	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 300	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 200	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 100	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1
IV 0	5.1	54.5	55.2	56.3	57.0	57.2	57.5	57.7	57.7	58.0	58.2	58.2	58.4	58.5	58.8	59.1

TOTAL NUMBER OF OBSERVATIONS: 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
≥ 20000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 18000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 16000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 14000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 12000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 10000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 9000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 8000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 7000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 6000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 5000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 4500	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 4000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 3500	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 3000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 2500	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 2000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 1800	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 1500	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 1200	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 1000	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 900	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 800	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 700	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 600	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 500	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 400	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 300	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 200	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 100	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5
IV 0	7.9	46.4	47.9	41.5	49.9	49.3	50.4	48.5	50.4	50.8	50.7	50.8	41.5	41.5	41.5	41.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE STATION HARB: ASHEVILLE YEARS: 19-22 MONTHS: DEC
 HOURS (L.S.T.): 0000-2359

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.6	43.6	44.2	45.0	45.5	46.2	46.8	46.9	46.6	47.4	47.4	48.4	48.4	48.7	49.7
IV 20000	1.0	42.0	43.5	44.8	47.4	47.4	48.4	48.7	48.7	48.7	49.4	49.4	50.3	50.3	50.7	51.6
IV 18000	1.0	42.0	43.5	44.8	47.4	47.4	48.4	48.7	48.7	48.7	49.4	49.4	50.3	50.3	50.7	51.6
IV 16000	1.0	42.0	43.5	44.8	47.4	47.4	48.4	48.7	48.7	48.7	49.4	49.4	50.3	50.3	50.7	51.6
IV 14000	1.0	43.0	45.0	47.1	47.7	47.7	48.7	49.1	49.7	49.7	50.7	50.7	51.6	51.6	51.6	52.5
IV 12000	1.0	44.0	46.1	47.4	47.7	47.7	48.7	49.1	49.7	49.7	50.7	50.7	51.6	51.6	51.6	52.5
IV 10000	1.0	45.0	47.7	49.0	47.7	49.7	50.7	51.6	51.6	51.6	51.6	51.6	52.6	52.6	52.6	53.5
IV 9000	1.0	46.0	48.1	49.4	50.0	50.0	51.0	51.3	51.3	51.3	51.9	51.9	52.8	52.8	53.2	54.2
IV 8000	1.0	48.4	50.7	51.6	52.3	52.6	53.6	53.9	53.9	53.9	54.5	54.5	55.5	55.5	55.8	56.8
IV 7000	1.0	49.7	51.6	52.4	53.1	53.9	54.9	55.2	55.2	55.2	55.8	55.8	56.8	56.8	57.1	58.1
IV 6000	1.0	50.3	52.7	53.6	54.2	54.5	55.5	55.8	55.8	55.8	56.5	56.5	57.4	57.4	57.7	58.7
IV 5000	1.0	52.4	54.5	55.5	56.5	56.5	57.5	58.1	58.1	58.1	58.7	58.7	59.7	59.7	60.0	61.0
IV 4500	1.0	53.6	55.7	56.5	57.1	57.4	58.4	58.7	58.7	58.7	59.4	59.4	60.3	60.3	60.7	61.6
IV 4000	1.0	54.7	56.1	57.4	58.1	58.4	59.4	59.7	59.7	59.7	60.3	60.3	61.3	61.3	61.6	62.5
IV 3500	1.0	54.5	56.5	57.1	58.7	59.0	60.0	60.3	60.3	60.3	61.0	61.0	61.9	61.9	62.3	63.3
IV 3000	1.0	55.0	57.1	58.7	60.3	60.7	61.6	61.9	61.9	61.9	62.6	62.6	63.6	63.6	63.9	64.9
IV 2500	1.0	56.1	58.3	60.3	61.6	61.6	62.6	63.0	63.0	63.0	63.6	63.6	64.6	64.6	64.9	65.9
IV 2000	1.0	57.1	60.3	61.6	63.0	63.0	64.0	64.3	64.3	64.3	65.0	65.0	66.0	66.0	66.3	67.3
IV 1800	1.0	58.3	61.6	63.0	64.3	64.3	65.3	65.6	65.6	65.6	66.3	66.3	67.3	67.3	67.6	68.6
IV 1500	1.0	59.7	63.0	64.3	65.6	65.6	66.6	66.9	66.9	66.9	67.6	67.6	68.6	68.6	68.9	69.9
IV 1200	1.0	61.0	64.3	65.6	66.9	66.9	67.9	68.2	68.2	68.2	68.9	68.9	69.9	69.9	70.2	71.2
IV 1000	1.0	62.6	65.6	66.9	68.2	68.2	69.2	69.5	69.5	69.5	70.2	70.2	71.2	71.2	71.5	72.5
IV 900	1.0	63.6	66.9	68.2	69.5	69.5	70.5	70.8	70.8	70.8	71.5	71.5	72.5	72.5	72.8	73.8
IV 800	1.0	64.6	68.2	69.5	70.8	70.8	71.8	72.1	72.1	72.1	72.8	72.8	73.8	73.8	74.1	75.1
IV 700	1.0	65.6	69.5	70.8	72.1	72.1	73.1	73.4	73.4	73.4	74.1	74.1	75.1	75.1	75.4	76.4
IV 600	1.0	66.6	70.8	72.1	73.4	73.4	74.4	74.7	74.7	74.7	75.4	75.4	76.4	76.4	76.7	77.7
IV 500	1.0	67.6	72.1	73.4	74.7	74.7	75.7	76.0	76.0	76.0	76.7	76.7	77.7	77.7	78.0	79.0
IV 400	1.0	68.6	73.4	74.7	76.0	76.0	77.0	77.3	77.3	77.3	78.0	78.0	79.0	79.0	79.3	80.3
IV 300	1.0	69.6	74.7	76.0	77.3	77.3	78.3	78.6	78.6	78.6	79.3	79.3	80.3	80.3	80.6	81.6
IV 200	1.0	70.6	76.0	77.3	78.6	78.6	79.6	79.9	79.9	79.9	80.6	80.6	81.6	81.6	81.9	82.9
IV 100	1.0	71.6	77.3	78.6	79.9	79.9	80.9	81.2	81.2	81.2	81.9	81.9	82.9	82.9	83.2	84.2
IV 0	1.0	72.6	78.6	79.9	81.2	81.2	82.2	82.5	82.5	82.5	83.2	83.2	84.2	84.2	84.5	85.5

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE YEAR 1950 MONTH DEC
 STATION NAME ASHEVILLE YEARS 1950 MONTH DEC
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS (L.S.T.) 06

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	41.0	41.7	42.6	42.9	43.1	43.9	43.9	42.9	44.2	44.5	44.5	46.5	46.5	46.8	47.7	
IV 20000	43.6	44.3	45.2	45.5	46.1	46.5	46.5	46.5	46.5	47.4	47.4	48.4	48.4	49.7	50.7	
IV 18000	43.6	44.3	45.2	45.5	46.1	46.5	46.5	46.5	46.5	47.4	47.4	48.4	48.4	49.7	50.7	
IV 16000	43.6	44.3	45.2	45.5	46.1	46.5	46.5	46.5	46.5	47.4	47.4	48.4	48.4	49.7	50.7	
IV 14000	43.6	44.3	45.2	45.5	46.1	46.5	46.5	46.5	46.5	47.4	47.4	48.4	48.4	49.7	50.7	
IV 12000	43.6	44.3	45.2	45.5	46.1	46.5	46.5	46.5	46.5	47.4	47.4	48.4	48.4	49.7	50.7	
IV 10000	45.2	45.9	46.8	47.1	47.7	48.1	49.1	48.1	49.4	49.7	50.0	50.0	51.3	52.3		
IV 9000	45.9	46.1	47.1	47.4	48.1	49.4	48.4	49.4	49.4	50.0	50.0	51.3	52.3	53.6		
IV 8000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 7000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 6000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 5000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 4500	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 4000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 3500	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 3000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 2500	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 2000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 1800	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 1500	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 1200	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 1000	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 900	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 800	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 700	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 600	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 500	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 400	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 300	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 200	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 100	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	
IV 0	47.4	47.7	49.0	49.4	50.0	50.3	50.3	51.3	51.3	51.3	51.3	52.3	52.3	53.6	54.5	

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-87

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	33.0	30.7	29.9	30.4	35.3	35.5	35.8	35.8	36.1	36.1	36.8	36.5	36.8	36.8	37.1	37.0
IV 20000	35.2	37.7	39.7	40.0	40.3	40.7	41.0	41.3	41.3	41.9	41.9	41.9	41.9	41.9	42.3	42.6
IV 18000	35.2	37.7	39.7	40.0	40.3	40.7	41.0	41.3	41.3	41.9	41.9	41.9	41.9	41.9	42.3	42.6
IV 16000	35.2	37.7	39.7	40.0	40.3	40.7	41.0	41.3	41.3	41.9	41.9	41.9	41.9	41.9	42.3	42.6
IV 14000	36.1	38.7	40.7	41.0	41.3	41.6	41.9	42.3	42.3	42.9	42.9	42.9	42.9	42.9	43.2	43.6
IV 12000	37.4	41.0	42.3	42.7	43.2	43.6	43.9	44.2	44.2	44.8	44.8	44.8	44.8	44.8	45.2	45.5
IV 10000	40.0	43.6	45.2	45.6	46.1	46.5	46.8	47.1	47.1	47.7	47.7	47.7	47.7	47.7	48.1	48.4
IV 9000	40.0	43.6	45.2	45.6	46.1	46.5	46.8	47.1	47.1	47.7	47.7	47.7	47.7	47.7	48.1	48.4
IV 8000	43.9	46.8	49.4	50.9	50.7	51.0	51.3	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.6	52.9
IV 7000	45.2	48.7	51.6	52.6	52.9	53.2	53.6	53.9	53.9	54.5	54.5	54.5	54.5	54.5	54.9	55.2
IV 6000	47.4	51.3	53.2	54.2	54.5	54.8	55.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.5	56.8
IV 5000	47.4	51.3	53.2	54.2	54.5	54.8	55.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.5	56.8
IV 4500	50.3	53.8	57.1	58.1	58.4	58.7	59.0	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.3	60.7
IV 4000	51.3	54.8	58.1	59.0	59.4	59.7	60.0	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.3	61.6
IV 3500	52.3	55.8	59.0	60.0	60.3	60.7	61.0	61.3	61.3	61.9	61.9	61.9	61.9	61.9	62.3	62.6
IV 3000	52.3	55.8	59.0	60.0	60.3	60.7	61.0	61.3	61.3	61.9	61.9	61.9	61.9	61.9	62.3	62.6
IV 2500	57.1	60.3	64.2	65.2	65.5	65.8	66.1	66.5	66.5	67.4	67.4	67.4	67.4	67.4	67.7	68.1
IV 2000	59.7	62.9	66.8	67.7	68.1	68.4	68.7	69.0	69.4	70.0	70.0	70.0	70.0	70.0	70.3	70.7
IV 1800	60.3	63.6	67.7	68.7	69.0	69.4	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.3	71.6
IV 1500	62.4	67.1	71.6	72.6	72.9	73.2	73.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.5	75.9
IV 1200	64.2	68.7	73.2	74.2	74.5	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8	76.8	77.1	77.4
IV 1000	65.8	71.6	75.5	77.1	77.7	78.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 900	65.8	71.6	75.5	77.1	77.7	78.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 800	67.4	73.6	78.4	80.0	80.7	81.0	81.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.9	84.2
IV 700	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 600	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 500	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 400	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 300	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 200	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 100	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5
IV 0	68.1	74.5	80.7	82.3	82.9	83.2	84.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.1	86.5

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1954 MONTH: DEC
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 12 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.7	40.1	47.1	47.1	47.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 20000	2.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000	22.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 16000	22.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 14000	22.3	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	48.9
IV 12000	22.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 10000	22.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 9000	22.0	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	53.7	53.7
IV 8000	24.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	22.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 6000	27.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 5000	27.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 4500	27.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 4000	28.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 3500	28.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 3000	28.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2500	31.1	71.5	71.5	71.5	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 2000	31.1	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 1800	30.1	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 1500	30.4	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 1200	30.4	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 1000	30.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900	30.4	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 800	30.4	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 700	30.4	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 600	30.4	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 500	30.4	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	30.4	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	30.4	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	30.4	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	30.4	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	30.4	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 129

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

75-07

YEARS

DEC

15
HOURS (C.B.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	1.0	64.2	64.9	44.5	46.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	1.0	54.2	55.7	33.2	35.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 18000	1.0	55.2	55.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	1.0	55.2	55.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	1.0	55.2	55.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	1.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	1.0	51.0	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	61.3
≥ 8000	1.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	1.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	1.0	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	1.0	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	67.1	67.1
≥ 4500	1.0	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	1.0	64.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	1.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	1.0	70.5	75.8	75.8	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	1.0	79.4	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	1.0	82.3	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	1.0	82.6	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.0	85.5	87.1	87.1	87.1	87.1	87.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	1.0	87.1	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	1.0	87.4	90.3	91.3	91.3	91.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	1.0	87.4	90.3	91.6	91.6	91.6	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	1.0	89.7	92.3	93.6	93.6	93.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	1.0	89.4	92.6	93.9	94.8	94.8	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	1.0	89.4	93.2	94.5	95.8	95.8	95.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	1.0	89.4	93.2	94.8	96.5	96.5	96.5	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.0	89.4	93.2	94.8	96.5	96.8	96.8	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	1.0	89.4	93.2	94.8	96.8	97.1	97.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	1.0	89.4	93.2	94.8	96.8	97.1	97.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	1.0	89.4	93.2	94.8	96.8	97.1	97.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	1.0	89.4	93.2	94.2	96.8	97.1	97.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC

DATE 11-27

OFFICER

STATION NAME

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & 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	21.7	27.9	28.9	25.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 20000	24.3	25.1	25.3	26.3	26.3	26.7	26.7	26.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 18000	24.3	25.1	26.3	26.3	26.3	26.7	26.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 14000	24.3	25.1	26.3	26.3	26.3	26.7	26.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 12000	25.9	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 10000	25.9	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 9000	25.9	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 8000	25.9	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 7000	27.8	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 6000	27.8	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 5000	27.8	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 4500	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 4000	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 3500	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 3000	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 2500	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 2000	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 1800	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 1500	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 1200	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 1000	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 900	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 800	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 700	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 600	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 500	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 400	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 300	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 200	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 100	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 0	26.3	27.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

73-87

YEARS

DEC

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	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 20000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 18000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 14000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 14000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 12000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 10000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 9000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 8000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 7000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 6000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 5000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 4500	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 4000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 3500	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 3000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 2500	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 2000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 1800	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 1500	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 1200	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 1000	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 900	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 800	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 700	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 600	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 500	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 400	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 300	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 200	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 100	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IN 0	57.5	53.1	51.0	53.7	50.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1

TOTAL NUMBER OF OBSERVATIONS

7.6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

1957

YEAR

DEC

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.7	43.1	44.1	44.8	45.7	45.2	45.5	45.6	44.6	45.7	45.9	45.9	46.2	46.2	46.5	46.9
IV 20000	45.3	43.6	44.7	45.3	45.7	45.6	45.1	45.2	45.2	45.3	45.5	45.5	45.9	45.9	46.1	46.3
IV 18000	45.8	48.7	49.8	50.4	50.8	50.9	51.7	51.3	51.3	51.4	51.6	51.6	51.9	51.9	52.2	52.6
IV 16000	45.4	48.8	49.8	50.5	50.9	51.0	51.3	51.3	51.4	51.5	51.7	51.7	52.0	52.0	52.3	52.7
IV 14000	47.7	49.1	50.1	50.8	51.1	51.3	51.5	51.6	51.7	51.7	52.0	52.0	52.3	52.3	52.6	53.0
IV 12000	49.3	50.6	51.6	52.3	52.7	52.8	53.1	53.2	53.2	53.3	53.6	53.6	53.9	53.9	54.2	54.5
IV 10000	48.9	52.8	53.9	54.3	54.7	54.9	55.1	55.2	55.3	55.3	55.6	55.6	55.9	55.9	56.2	56.6
IV 9000	49.0	51.0	54.1	54.8	55.2	55.3	55.6	55.7	55.7	55.8	56.1	56.1	56.4	56.4	56.7	57.1
IV 8000	41.3	45.7	46.3	47.1	47.5	47.7	48.0	48.0	48.1	48.2	48.4	48.4	48.8	48.8	49.1	49.4
IV 7000	42.0	46.6	47.8	48.5	49.0	49.1	49.4	49.5	49.5	49.6	49.9	49.9	50.2	50.2	50.5	50.9
IV 6000	42.4	47.6	48.9	49.5	50.0	50.1	50.4	50.5	50.5	50.6	50.9	50.9	51.2	51.2	51.5	51.9
IV 5000	44.0	48.7	50.9	51.8	52.2	52.4	52.7	52.8	52.9	53.2	53.2	53.2	53.5	53.5	53.8	54.1
IV 4500	44.5	49.9	51.8	52.6	53.1	53.3	53.5	53.6	53.7	53.7	54.0	54.0	54.3	54.3	54.6	55.0
IV 4000	45.1	52.1	53.3	54.2	54.7	54.8	55.1	55.2	55.3	55.4	55.6	55.6	56.0	56.0	56.2	56.6
IV 3500	45.8	53.3	54.6	55.6	56.2	56.3	56.5	56.6	56.6	56.7	57.0	57.0	57.3	57.3	57.6	58.0
IV 3000	46.3	54.6	56.5	57.5	58.1	58.1	58.4	58.5	58.5	58.6	58.9	58.9	59.2	59.2	59.5	59.9
IV 2500	47.2	56.7	58.6	59.6	60.2	60.3	60.5	60.6	60.6	60.7	61.0	61.0	61.3	61.3	61.6	62.0
IV 2000	47.8	58.9	60.8	61.8	62.4	62.5	62.7	62.8	62.9	63.2	63.2	63.2	63.5	63.5	63.8	64.1
IV 1800	48.1	60.9	62.8	63.8	64.4	64.5	64.7	64.8	64.9	65.2	65.2	65.2	65.5	65.5	65.8	66.2
IV 1600	48.5	62.8	64.7	65.7	66.3	66.4	66.6	66.7	66.7	67.0	67.0	67.0	67.3	67.3	67.6	68.0
IV 1500	48.9	64.7	66.6	67.6	68.2	68.3	68.5	68.6	68.6	68.9	68.9	68.9	69.2	69.2	69.5	69.9
IV 1200	49.3	66.6	68.5	69.5	70.1	70.2	70.4	70.5	70.5	70.8	70.8	70.8	71.1	71.1	71.4	71.8
IV 1000	49.7	68.5	70.4	71.4	72.0	72.1	72.3	72.4	72.4	72.7	72.7	72.7	73.0	73.0	73.3	73.7
IV 900	49.9	70.4	72.3	73.3	73.9	74.0	74.2	74.3	74.3	74.6	74.6	74.6	74.9	74.9	75.2	75.6
IV 800	50.1	72.3	74.2	75.2	75.8	75.9	76.1	76.2	76.2	76.5	76.5	76.5	76.8	76.8	77.1	77.5
IV 700	50.3	74.2	76.1	77.1	77.7	77.8	78.0	78.1	78.1	78.4	78.4	78.4	78.7	78.7	79.0	79.4
IV 600	50.5	76.1	78.0	79.0	79.6	79.7	79.9	80.0	80.0	80.3	80.3	80.3	80.6	80.6	80.9	81.3
IV 500	50.7	78.0	80.0	81.0	81.6	81.7	81.9	82.0	82.0	82.3	82.3	82.3	82.6	82.6	82.9	83.3
IV 400	50.9	79.9	81.9	82.9	83.5	83.6	83.8	83.9	83.9	84.2	84.2	84.2	84.5	84.5	84.8	85.2
IV 300	51.1	81.8	83.8	84.8	85.4	85.5	85.7	85.8	85.8	86.1	86.1	86.1	86.4	86.4	86.7	87.1
IV 200	51.3	83.7	85.7	86.7	87.3	87.4	87.6	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.6	89.0
IV 100	51.5	85.6	87.6	88.6	89.2	89.3	89.5	89.6	89.6	89.9	89.9	89.9	90.2	90.2	90.5	90.9
IV 0	51.7	87.5	89.5	90.5	91.1	91.2	91.4	91.5	91.5	91.8	91.8	91.8	92.1	92.1	92.4	92.8

TOTAL NUMBER OF OBSERVATIONS 2976

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, TN DATE: 12-52 YEAR: ALL 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	≥ 1/16	≥ 0	
NO CEILING	1.0	48.1	47.4	50.3	50.9	50.9	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.8	51.9	52.2
IV 20000	2.2	55.7	57.2	58.3	58.8	58.9	59.3	59.4	59.4	59.6	59.7	59.7	59.9	59.9	60.0	60.2
IV 18000	2.2	55.5	57.2	58.3	58.9	59.0	59.3	59.4	59.5	59.6	59.8	59.8	59.9	60.0	60.2	60.5
IV 16000	2.2	55.5	57.3	58.9	59.0	59.1	59.4	59.5	59.5	59.7	59.9	59.9	60.0	60.0	60.2	60.5
IV 14000	2.4	56.2	57.7	58.8	59.4	59.5	59.8	59.9	60.0	60.1	60.3	60.3	60.4	60.5	60.6	60.9
IV 12000	2.4	57.4	59.7	60.1	60.7	60.8	61.2	61.3	61.7	61.5	61.6	61.6	61.8	61.8	61.9	62.2
IV 10000	25.1	59.3	60.9	62.1	62.7	62.8	63.1	63.3	63.3	63.3	63.6	63.6	63.8	63.8	63.9	64.2
IV 9000	22.2	59.7	61.2	62.4	63.0	63.1	63.5	63.6	63.7	63.8	64.0	64.0	64.1	64.2	64.3	64.6
IV 8000	25.5	61.4	63.1	64.1	64.5	65.0	65.4	65.5	65.6	65.7	65.9	65.9	66.0	66.1	66.2	66.5
IV 7000	22.1	62.4	64.1	65.3	66.0	66.1	66.5	66.6	66.6	66.8	67.0	67.0	67.1	67.1	67.3	67.6
IV 6000	22.3	63.3	64.7	66.0	66.6	66.7	67.1	67.2	67.3	67.4	67.6	67.6	67.7	67.8	67.9	68.2
IV 5000	20.7	64.1	65.9	67.2	67.9	68.0	68.4	68.5	68.6	68.7	68.9	68.9	69.0	69.1	69.2	69.5
IV 4500	26.9	64.5	66.3	67.6	68.3	68.4	68.8	69.0	69.0	69.2	69.3	69.3	69.5	69.5	69.6	69.9
IV 4000	27.2	65.4	67.2	68.6	69.2	69.4	69.8	69.9	69.9	70.1	70.2	70.2	70.4	70.4	70.6	70.9
IV 3500	27.7	66.7	68.6	70.0	70.7	70.8	71.2	71.3	71.4	71.5	71.7	71.7	71.8	71.9	72.0	72.3
IV 3000	24.3	69.2	71.2	72.6	73.4	73.5	73.9	74.0	74.1	74.3	74.4	74.5	74.6	74.6	74.7	75.0
IV 2500	27.9	72.1	74.2	75.7	76.4	76.6	77.0	77.1	77.2	77.3	77.5	77.5	77.6	77.7	77.8	78.1
IV 2000	29.4	75.1	77.3	78.9	79.7	79.9	80.3	80.4	80.5	80.7	80.8	80.8	81.0	81.0	81.2	81.5
IV 1800	26.5	75.7	78.0	79.6	80.4	80.6	81.0	81.2	81.2	81.4	81.4	81.6	81.7	81.8	81.9	82.2
IV 1500	22.9	76.6	81.3	83.2	84.1	84.3	84.7	84.9	85.0	85.2	85.3	85.3	85.5	85.5	85.7	86.0
IV 1200	30.1	80.6	83.4	85.4	86.3	86.5	87.0	87.2	87.2	87.5	87.6	87.6	87.8	87.8	88.0	88.3
IV 1000	30.3	82.3	85.3	87.3	88.6	88.8	89.3	89.5	89.6	89.8	90.0	90.0	90.1	90.2	90.3	90.6
IV 900	30.4	82.8	85.9	88.2	89.2	89.5	90.0	90.2	90.3	90.5	90.7	90.7	90.9	90.9	91.1	91.4
IV 800	30.4	83.7	87.0	89.4	90.6	90.8	91.4	91.6	91.7	92.0	92.1	92.1	92.3	92.4	92.5	92.8
IV 700	30.9	84.3	87.7	90.3	91.5	91.7	92.4	92.6	92.7	93.0	93.1	93.1	93.3	93.4	93.5	93.8
IV 600	30.9	84.9	88.8	91.2	92.5	92.8	93.5	93.8	93.9	94.2	94.4	94.4	94.6	94.6	94.8	95.1
IV 500	30.5	85.3	89.1	92.0	93.4	93.8	94.6	94.9	95.0	95.4	95.6	95.6	95.8	95.8	96.0	96.3
IV 400	30.5	85.5	89.4	92.5	94.0	94.4	95.3	95.6	95.8	96.2	96.5	96.5	96.7	96.8	96.9	97.3
IV 300	30.5	85.6	89.5	92.7	94.3	94.8	95.7	96.1	96.3	96.9	97.2	97.2	97.5	97.6	97.8	98.1
IV 200	30.5	85.7	89.6	92.8	94.5	94.9	95.9	96.4	96.7	97.4	97.7	97.7	98.2	98.3	98.5	98.9
IV 100	30.3	85.7	89.6	92.8	94.5	95.1	96.0	96.5	96.8	97.5	97.9	97.9	98.5	98.6	98.9	99.5
IV 0	30.3	85.7	89.6	92.8	94.5	95.1	96.0	96.5	96.8	97.5	97.9	97.9	98.5	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

SKY COVER

1 28 KINGSVILLE, TX 19-30 19
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
27	17.4				28.4						22.5	31.6	6.7	710
28	17.4				21.2						26.5	32.9	6.4	711
29	17.4				23.7						35.2	36.1	7.5	712
30	17.4				17.4						42.4	31.6	7.6	713
12	6.0				21.3						45.7	24.8	7.4	714
13	5.9				33.5						31.1	22.3	6.7	715
14	17.7				34.2						34.5	19.7	6.2	716
15	17.5				34.5						23.4	25.2	6.7	717
TOTALS		10.7			27.3						33.7	28.2	6.7	2490

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NO. 4150 192

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
KINGSVILLE TEXAS(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

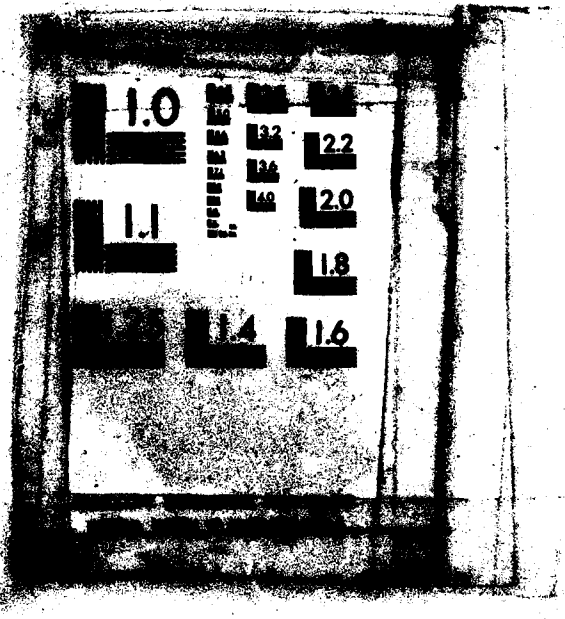
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SKY COVER

1998
STATION

KINSEVILLE, TX
STATION NAME

73-82
PERIOD

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00	32.0			40.3						10.3	9.3	7.0	300
	03	27.0			40.3						20.3	12.3	4.3	300
	06	10.0			47.3						30.7	12.3	5.4	300
	09	5.0			29.3						30.3	11.3	6.9	300
	12	2.7			33.7						33.0	10.7	6.8	300
	15	2.7			51.7						35.3	10.3	5.0	300
	18	15.0			52.3						25.3	7.3	4.6	300
	21	35.0			41.7						17.3	6.0	3.4	300
TOTALS		16.2			42.1						30.2	9.9	5.1	3000

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SKY COVER

12028
STATION

WINGSVILLE, TX
STATION NAME

73-82
PERIOD

ALL
PERIOD

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	15.2			18.3							18.1	48.4	7.0	2480
FEB		21.1			20.0							19.8	39.2	6.3	2256
MAR		12.6			19.4							23.1	44.9	7.2	2400
APR		13.7			18.8							27.6	39.9	7.0	2400
MAY		10.7			27.3							33.8	28.2	6.7	2480
JUN		16.2			42.1							31.4	9.9	5.1	2400
JUL		16.9			45.3							29.2	8.6	4.9	2480
AUG		14.7			44.5							31.7	9.2	5.1	2480
SEP		18.2			43.0							26.4	12.2	4.9	2400
OCT		23.2			36.8							28.7	15.7	4.9	2400
NOV		26.1			24.0							22.1	27.8	5.5	2400
DEC		22.9			20.4							19.3	37.7	6.1	2476
TOTALS		17.4			38.8							28.8	39.8	5.8	27216

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). 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:
- Dry-bulb temperature
 - Wet-bulb temperature
 - 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.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

172
STATION

KINGSVILLE, TX
STATION NAME

51-82
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

AVIATION

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105					.1		.3						.1
100			.2	.8	.9	1.1	5.2	6.3					1.2
95		.1	1.4	3.0	5.2	17.4	49.1	48.0	14.9	1.1			11.9
90	.6	2.2	5.6	12.5	30.2	75.6	92.3	89.3	62.7	18.7	2.2	.4	32.9
85	4.5	7.6	19.9	40.6	76.4	95.1	98.9	97.0	87.4	54.8	17.6	6.9	50.7
80	16.2	22.7	44.6	74.0	94.8	99.8	99.7	99.3	95.4	79.7	41.9	18.0	65.6
75	30.7	41.1	64.9	89.0	98.5	100.0	100.0	100.0	99.0	91.8	61.0	38.7	76.2
70	48.7	56.3	80.6	95.7	99.1				99.9	95.9	73.2	58.0	83.8
65	59.6	71.7	91.2	98.7	99.9				100.0	98.4	84.0	69.1	87.4
60	71.3	82.1	94.1	99.8	100.0					99.4	91.0	81.2	93.3
55	81.8	89.7	97.8	100.0						99.6	95.5	88.8	96.1
50	88.9	95.4	99.2							100.0	98.1	94.9	98.1
45	94.7	98.2	99.9								99.8	98.0	99.2
40	98.2	99.5	100.0								100.0	99.8	99.8
35	99.6	99.9										100.0	100.0
30	99.9	100.0											100.0
25	100.0												100.0
20													
15													
10													
5													
0													
MEAN	69.0	70.2	70.7	72.7	74.7	76.5	78.1	78.0	78.3	78.9	78.2	78.2	71.0
S.D.	12.4	12.0	12.0	12.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL OBS.	71	87	91	93	95	96	98	98	98	99	98	98	1149

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DAILY TEMPERATURES

STATION 1 KINGSVILLE, TX STATION NAME 51-62 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

INCH

132415

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
70					1.0	4.3	5.4	5.6	1.9	.3			1.4
75				2.7	22.4	52.4	74.7	72.3	40.2	7.4	.7		22.9
80		.2	4.5	3.8	56.3	91.3	98.9	98.6	78.2	26.2	5.8	.9	41.3
85		5.6	23.7	55.2	82.7	98.1	100.0	100.0	91.6	50.3	17.5	5.5	57.2
90	12.2	16.0	41.5	73.3	94.5	99.8			97.6	70.3	34.4	16.2	63.2
95	23.9	29.3	58.3	87.2	98.6	100.0			99.2	86.1	51.4	27.6	72.0
100	36.1	47.9	75.7	95.3	99.9				100.0	95.3	67.9	42.6	80.2
105	53.5	66.7	87.1	99.1	100.0					98.6	81.8	61.7	87.5
110	73.5	82.9	96.0	99.9						99.9	92.7	81.7	93.9
115	86.8	93.3	99.4	100.0						100.0	97.8	94.6	97.7
120	96.1	98.3	99.9								100.0	98.8	99.4
125	99.7	100.0	100.0									99.2	99.9
130	99.8											100.0	100.0
135	100.0												100.0
140													
145													
150													
155													
160													
165													
170													
175													
180													
185													
190													
195													
200													
205													
210													
215													
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295													
300													
MEAN	46.7	47.0	55.3	64.2	69.8	74.4	78.7	78.8	72.4	63.7	54.5	48.3	62.6
S.D.	10.444	7.890	9.214	7.531	5.717	5.729	2.400	2.530	4.044	7.962	9.925	9.527	13.129
TOTAL OBS.	761	876	951	930	961	960	948	892	950	842	960	892	11493

NAVWEASERVCOM

DAILY TEMPERATURES

STATION

KINGSVILLE, TX
STATION NAME

51-62
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
25			.2	1.0	7.3	35.5	68.1	86.1	95.4	2.6			17.4
26		.2	3.5	17.8	48.8	87.7	97.7	95.8	74.5	22.7	2.9	.1	37.9
27	4.0	4.7	20.1	51.2	83.7	98.0	99.9	99.9	91.5	50.8	17.2	4.1	52.4
28	13.5	18.3	42.0	77.0	85.5	100.0	100.0	100.0	98.3	76.6	36.5	16.0	64.7
29	25.7	33.8	63.7	89.7	99.1				97.8	91.3	56.2	29.5	74.3
30	40.0	53.4	80.0	96.6	99.9				100.0	97.9	73.4	46.8	82.5
31	57.8	71.1	90.6	100.0	100.0					99.1	84.8	68.4	89.5
32	74.7	85.0	97.9							100.0	93.6	84.3	94.6
33	86.7	93.3	99.3								98.5	94.2	97.7
34	94.0	98.5	99.9								99.8	98.6	99.2
35	98.5	99.8	100.0								100.0	100.0	99.9
36	99.6	100.0											100.0
37	100.0												100.0
38													
39													
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100													
MEAN	50.7	57.9	68.8	73.7	78.8	83.2	88.2	90.1	92.0	93.8	95.2	96.1	72.0
S.D.	10.58	9.419	8.478	8.348	8.070	7.822	7.610	7.422	7.260	7.112	7.000	6.911	12.205
TOTAL OBS.	31	876	971	970	981	989	990	992	991	992	991	992	11493

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17928

WINGSVILLE, TX

1946-1946 1982-1983

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP AVERAGE		EXTREME		DATE
	°F	°C	AVERAGE °F	°C	EXTREME °F	°C		°F	°C			
1	54.5	12.5	64.0	17.8	86	30.0	1976	49.1	7.3	30	-1.1	1979
2	55.5	13.1	64.7	18.2	82	27.8	1982	46.3	7.9	23	-5.0	1979
3	54.6	12.6	63.9	17.7	91	32.8	1971	49.2	7.4	20	-5.7	1979
4	54.4	12.4	63.9	17.7	82	27.8	1987	46.9	7.2	28	-2.2	1959
5	54.7	12.6	64.8	18.1	84	28.9	1966	46.8	7.1	30	-1.1	1969
6	56.3	13.5	66.0	18.9	87	30.6	1967	46.6	6.3	30	-1.1	1972
7	58.4	13.8	68.8	18.8	83	28.3	1976	46.3	7.4	23	-5.0	1970
8	58.9	13.3	68.7	18.7	87	30.6	1967	46.2	7.9	25	-3.9	1976
9	58.2	12.9	68.5	18.6	89	31.7	1967	44.9	7.2	26	-3.3	1962
10	53.4	11.9	63.8	17.7	91	32.8	1976	43.1	6.2	22	-5.6	1962
11	53.1	11.7	63.3	17.4	85	28.9	1988	42.9	6.1	23	-5.8	1982
12	53.6	12.0	64.0	17.8	86	30.0	1960	43.9	6.3	17	-5.3	1962
13	58.2	12.9	68.2	18.4	88	31.1	1972	48.2	7.4	19	-7.2	1978
14	56.5	13.4	67.4	19.7	85	28.4	1962	45.6	7.6	22	-5.6	1982
15	56.5	13.4	67.8	19.9	83	28.2	1982	48.1	7.2	32	.0	1979
16	58.6	13.1	67.0	19.4	82	27.8	1978	46.2	6.8	31	-.6	1982
17	56.2	13.4	68.9	19.9	87	30.6	1976	46.0	6.1	28	-2.2	1982
18	57.5	14.2	67.0	19.0	85	28.6	1976	47.3	6.2	29	-1.7	1977
19	56.6	13.7	66.3	19.1	83	28.4	1982	46.8	6.2	27	-2.0	1977
20	57.1	13.9	67.3	19.6	87	30.6	1972	47.1	6.4	25	-3.9	1978
21	56.9	13.8	67.3	19.6	83	28.6	1972	46.1	6.1	29	-1.7	1963
22	57.9	14.0	68.3	20.2	92	31.7	1972	47.5	6.6	31	-.6	1959
23	58.6	13.1	68.3	18.8	92	31.7	1972	48.4	7.7	26	-3.3	1963
24	58.2	12.9	68.3	18.8	89	31.7	1972	48.3	7.9	28	-5.7	1963
25	59.1	15.1	70.1	21.2	88	31.2	1982	48.2	9.0	33	.6	1983
26	60.6	15.9	72.0	21.2	90	32.2	1972	48.1	7.6	31	-.6	1978
27	59.8	15.3	69.3	20.7	87	30.6	1972	48.7	7.8	30	-1.1	1976
28	58.8	15.9	68.8	20.4	84	28.3	1982	48.1	9.2	29	-1.7	1976
29	59.6	15.2	70.1	21.2	86	28.9	1976	48.7	9.2	29	-5.7	1973
30	58.8	15.3	69.9	21.1	92	31.2	1982	47.7	6.1	28	-3.3	1966
31	59.3	15.7	69.9	20.9	87	30.6	1972	47.1	7.1	28	.6	1979
Monthly	56.4	13.6	66.6	19.2	92	31.2	1972	48.2	7.2	17	-5.2	1982

*ADD ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12928

KINGSVILLE, TX

1946-1946 1952-1983

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	50.9	10.5	69.4	20.8	87	30.6	1953	51.3	10.7	32	0.0	1980
2	57.2	14.0	67.0	19.4	91	32.8	1953	47.4	8.0	35	1.7	1966
3	56.0	13.3	68.8	19.9	88	31.1	1957	46.4	8.0	30	-1.1	1970
4	56.1	13.4	68.9	20.5	88	29.4	1957	47.5	8.6	30	-1.1	1972
5	59.6	15.3	70.8	21.5	88	29.4	1958	48.1	9.2	29	-1.7	1982
6	57.3	14.1	67.4	19.8	83	27.8	1959	47.0	8.2	27	-2.8	1982
7	56.3	13.5	68.8	19.9	87	28.3	1960	48.1	8.2	31	-0.6	1975
8	56.1	13.4	69.6	21.0	91	28.8	1962	46.5	8.2	29	-1.7	1971
9	59.0	15.0	70.6	21.5	93	29.0	1962	47.3	8.2	27	-2.8	1974
10	59.0	15.0	71.4	21.9	96	28.4	1964	46.6	8.2	27	-2.8	1980
11	58.6	14.8	69.8	20.8	88	30.5	1967	47.6	8.7	27	-2.8	1981
12	59.1	15.1	69.8	21.0	86	30.5	1968	48.1	9.2	29	-1.7	1963
13	59.3	15.2	70.8	21.5	88	29.4	1968	48.1	9.2	29	-1.7	1968
14	61.2	16.2	71.8	22.1	89	29.4	1972	49.7	10.4	30	-1.1	1963
15	61.7	16.5	71.4	22.0	88	31.1	1963	51.4	11.9	37	2.8	1963
16	59.8	15.4	70.8	21.5	90	31.7	1962	49.2	9.8	33	0.0	1979
17	59.8	15.4	70.8	21.5	90	31.7	1962	49.2	9.7	32	0.0	1980
18	60.1	15.6	69.8	21.0	89	31.7	1976	49.2	10.8	36	1.1	1976
19	60.6	16.0	70.6	21.5	89	31.7	1968	49.2	10.8	32	0.0	1978
20	60.9	16.1	70.6	21.5	89	31.7	1968	51.4	10.7	34	3.0	1978
21	60.1	15.6	70.8	21.5	90	31.7	1962	49.2	10.8	33	0.0	1978
22	59.3	15.2	70.8	21.5	92	31.7	1978	49.2	9.2	30	-1.1	1978
23	59.6	15.4	70.8	21.5	88	29.4	1976	49.2	9.2	31	-0.6	1968
24	60.0	15.6	71.4	21.9	89	31.7	1976	49.2	9.2	29	-1.7	1968
25	60.7	15.9	72.2	22.4	91	31.7	1977	49.2	9.2	28	-2.8	1970
26	61.8	16.6	72.2	22.4	92	31.7	1978	49.2	9.2	28	-2.8	1975
27	63.2	17.3	72.2	22.4	92	31.7	1978	49.2	9.2	28	-2.8	1982
28	63.0	17.2	72.2	22.4	91	31.7	1978	49.2	9.2	28	-2.8	1982
29	61.7	16.5	72.2	22.4	91	31.7	1978	49.2	9.2	29	-1.7	1982
30												
31												
Monthly	59.7	15.4	70.8	21.5	92	31.7	1968	49.2	9.2	31	0.0	1980

ALSO ON SHIPBOARD TRACK

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1928

KINGSVILLE, TX

1945-1946 1952-1983

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	EXTREME	EXTREME	EXTREME		AVERAGE	EXTREME	EXTREME	EXTREME	
1	64.1	17.8	74.2	23.4	93	32.9	1975	53.9	12.8	34	1.1	1962
2	65.7	18.7	76.8	24.7	90	31.2	1963	54.9	12.7	26	-3.3	1980
3	65.7	18.7	76.1	24.8	90	31.7	1976	52.2	12.9	30	-1.1	1980
4	64.5	18.1	76.7	23.7	93	32.9	1963	54.3	12.4	32	.6	1971
5	63.2	17.3	73.3	22.9	92	32.7	1967	52.1	11.7	33	.6	1971
6	62.9	17.2	73.8	23.1	91	32.8	1966	52.2	11.8	38	2.3	1959
7	63.4	17.4	76.4	23.6	89	31.7	1962	51.4	11.7	36	2.2	1982
8	63.6	17.6	76.6	23.6	88	31.1	1968	51.9	11.6	35	1.7	1966
9	65.7	18.7	76.7	23.8	87	30.1	1962	51.8	11.7	39	3.9	1978
10	67.4	19.7	77.9	25.3	93	31.9	1981	51.8	11.9	40	6.6	1978
11	67.9	19.8	77.8	25.3	92	31.8	1981	50.2	10.6	46	6.7	1969
12	67.3	19.6	77.6	25.2	92	31.6	1976	51.1	11.9	41	5.0	1969
13	68.6	19.7	78.3	25.1	91	31.9	1971	50.2	10.7	38	2.2	1970
14	68.6	19.8	78.6	25.1	89	31.7	1971	50.6	11.7	37	2.8	1978
15	67.6	19.4	78.9	24.9	89	31.7	1972	51.2	11.8	39	3.9	1966
16	66.7	19.3	78.7	24.8	92	31.3	1980	51.8	11.8	38	3.3	1962
17	67.5	19.7	78.7	25.7	92	31.9	1977	50.8	11.0	40	6.6	1976
18	67.9	19.8	78.7	25.7	91	31.6	1971	51.2	11.9	36	2.2	1980
19	67.7	19.8	78.7	25.6	90	31.7	1976	50.7	11.7	38	3.2	1986
20	68.2	20.1	79.3	25.3	88	31.3	1976	51.3	11.9	36	2.2	1965
21	68.6	19.8	77.3	24.2	91	31.3	1981	51.3	11.3	41	5.0	1983
22	68.9	19.8	78.6	24.2	96	31.3	1971	50.2	11.4	39	3.7	1970
23	68.1	20.0	79.1	24.2	97	31.1	1978	51.3	11.0	41	5.0	1988
24	67.9	19.7	78.7	24.7	97	31.1	1981	51.2	11.7	38	3.2	1976
25	67.6	19.8	78.7	24.9	95	31.1	1971	51.4	11.7	39	3.9	1974
26	68.7	19.8	78.7	24.8	89	31.7	1971	51.8	11.7	37	2.8	1981
27	67.9	19.8	77.6	24.4	96	31.6	1971	51.2	11.9	38	3.2	1981
28	70.8	21.1	80.2	25.1	92	31.7	1982	51.2	11.8	40	6.7	1980
29	70.4	21.0	79.9	25.0	91	31.7	1980	51.2	11.1	40	6.6	1981
30	69.9	21.1	80.8	25.7	92	31.3	1980	51.2	11.3	39	3.2	1978
31	70.2	21.0	81.1	25.7	92	31.3	1980	51.2	11.2	38	2.2	1978
Monthly	68.6	19.8	77.1	24.7	91	31.6	1976	51.2	11.4	38	3.2	1982

VALUES ON DOTTED LINES

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12020
STATION

KINGSVILLE, TX
STATION NAME

1965-1966 1962-1963
YEARS

APRIL
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	71.3	21.8	82.0	27.8	95	35.0	1962	60.0	15.6	63	6.1	1962
2	71.9	22.2	82.0	28.1	89	32.2	1962	62.2	16.8	63	7.2	1962
3	72.9	22.7	83.1	28.4	95	35.0	1962	62.0	16.7	61	6.0	1962
4	71.4	21.9	81.6	27.6	94	34.4	1962	61.2	15.2	60	6.7	1960
5	69.3	20.7	79.7	26.5	94	34.4	1962	61.0	15.9	60	7.2	1960
6	68.9	20.5	80.0	26.7	93	33.9	1962	61.0	15.1	61	7.2	1962
7	70.9	21.6	81.0	27.2	100	37.8	1962	60.0	15.6	62	7.6	1971
8	70.0	21.1	82.0	27.8	98	36.7	1962	62.0	16.7	60	7.2	1971
9	70.9	21.6	79.0	26.4	101	38.3	1962	62.0	16.7	63	6.1	1962
10	70.9	21.6	79.0	26.4	92	33.9	1962	62.0	16.7	67	6.2	1962
11	72.5	22.0	81.0	27.2	95	35.0	1970	63.0	17.8	50	10.0	1962
12	72.6	22.0	81.0	27.2	94	34.4	1970	63.0	17.8	63	6.7	1968
13	72.3	22.4	81.0	27.2	92	33.9	1970	63.0	17.8	67	6.7	1968
14	71.6	22.0	81.0	27.2	97	36.1	1970	62.0	16.7	59	7.6	1968
15	72.2	22.4	81.0	27.2	93	34.4	1970	62.0	17.2	67	6.2	1962
16	72.3	22.4	81.0	27.2	93	34.4	1970	62.0	17.2	68	6.7	1962
17	73.7	23.2	83.0	28.3	91	33.9	1970	62.0	16.7	68	6.7	1962
18	75.0	24.4	84.0	29.4	99	37.2	1970	62.0	16.7	62	11.2	1971
19	76.0	25.0	87.0	31.1	97	36.1	1970	62.0	16.7	67	6.2	1962
20	76.7	25.7	87.0	31.1	94	34.4	1970	62.0	16.7	50	10.0	1968
21	73.3	23.5	82.0	28.3	96	35.6	1970	62.0	16.7	50	10.0	1962
22	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	52	11.2	1962
23	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	51	10.0	1962
24	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	54	12.2	1962
25	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	50	10.0	1962
26	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	50	10.0	1962
27	75.0	24.4	83.0	29.4	92	33.9	1970	62.0	16.7	52	11.2	1970
28	77.0	25.6	85.0	30.6	92	33.9	1970	62.0	16.7	52	6.2	1970
29	77.0	25.6	85.0	30.6	92	33.9	1970	62.0	16.7	52	6.2	1970
30	76.0	25.0	85.0	30.6	92	33.9	1970	62.0	16.7	51	10.0	1970
31												
Monthly	73.0	22.8	82.0	27.8	92	33.9	1962	62.0	16.7	52	7.2	1962

DAVIDSON-2000

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12020

KINGSVILLE, TX

1965-1966 1982-1983

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE	AVERAGE	AVERAGE	EXTREME	EXTREME	EXTREME	EXTREME	AVERAGE	EXTREME	EXTREME	EXTREME	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	76.3	24.6	86.8	29.3	100	37.8	1983	67.8	19.9	55	12.8	1965
2	75.2	23.8	83.7	29.1	98	36.7	1983	68.8	19.9	52	11.1	1976
3	76.7	23.7	83.5	29.9	91	32.8	1983	68.8	18.9	50	10.8	1954
4	76.6	23.8	86.1	29.9	90	32.8	1983	66.8	18.8	48	8.9	1954
5	75.6	24.6	86.2	29.8	97	36.1	1983	68.9	19.8	51	10.8	1978*
6	76.2	24.6	86.8	29.8	98	36.7	1983	67.8	19.8	52	11.7	1979
7	77.4	25.8	86.4	29.8	95	35.8	1983	68.8	20.8	54	12.0	1982*
8	77.6	25.8	86.8	29.3	102	38.9	1983	68.8	20.8	53	11.7	1966
9	77.6	25.8	86.8	29.9	94	36.7	1983	69.7	20.9	51	12.1	1973
10	78.2	25.7	86.8	30.3	96	35.8	1978	70.8	21.1	55	12.8	1961
11	77.9	25.8	86.3	30.2	98	36.9	1983	69.8	20.9	54	12.8	1961
12	78.2	25.7	87.8	30.8	102	38.8	1983	69.8	20.7	56	13.3	1982
13	77.8	25.8	86.2	29.2	96	35.8	1983	69.8	20.7	57	13.8	1968
14	77.4	25.8	86.3	29.2	94	35.8	1983	69.8	20.7	56	13.3	1979*
15	77.6	25.8	86.8	29.2	96	35.8	1983	69.8	20.8	57	13.9	1979
16	77.9	25.8	86.8	29.8	98	36.7	1983	69.8	20.8	57	13.9	1983*
17	78.1	25.8	86.8	29.8	97	36.1	1983	69.8	20.8	54	12.8	1970
18	78.2	25.8	86.8	29.8	95	35.8	1983	69.7	20.8	57	13.7	1970
19	78.6	25.8	87.7	29.8	99	36.7	1983	69.7	20.8	62	16.7	1984
20	78.6	25.8	87.8	29.8	100	37.8	1983	70.8	21.0	59	15.8	1981
21	79.2	26.8	87.8	29.8	99	37.8	1983	70.8	21.0	64	17.8	1987*
22	80.2	26.8	89.8	29.7	98	36.7	1983	71.8	21.9	59	15.8	1987
23	80.1	26.8	89.8	29.8	100	36.7	1983	71.8	21.9	61	16.1	1987
24	80.8	26.8	89.8	29.8	99	37.8	1983	71.8	21.9	62	16.7	1987
25	81.2	27.8	89.8	29.8	97	36.7	1983	71.8	21.9	63	17.8	1981
26	81.7	27.8	89.8	29.8	102	38.8	1983	71.8	21.9	63	18.8	1979
27	80.7	27.8	89.8	29.8	100	38.8	1983	71.8	21.9	65	18.9	1979*
28	80.7	27.8	89.8	29.8	95	36.7	1983	71.8	21.9	62	16.7	1979
29	80.8	27.8	89.8	29.8	95	36.7	1983	71.8	21.9	65	16.8	1981
30	81.2	27.8	89.8	29.8	99	36.7	1983	71.8	21.9	62	16.8	1981
31	81.8	27.8	89.8	29.8	97	36.7	1983	71.8	21.9	62	16.8	1981
Monthly	78.6	25.8	87.8	29.8	100	37.8	1983	70.8	21.0	57	13.8	1983

090400ZMAY-83

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17928

KINGSVILLE, TX

1945-1946 1951-1983

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	81.0	27.2	89.9	32.2	97	36.1	73.8	23.2	60	15.6	1975
2	80.3	26.8	89.5	31.7	97	36.1	73.8	23.2	60	15.6	1975
3	80.8	27.1	89.9	31.9	95	35.0	73.8	23.2	61	16.1	1970
4	81.1	27.3	89.7	31.8	95	35.0	73.8	23.2	60	15.6	1970
5	81.3	27.4	89.7	31.8	95	35.0	73.8	23.2	60	15.6	1970
6	82.0	27.8	91.0	32.8	95	35.0	73.8	23.2	60	15.6	1969
7	82.9	28.1	90.9	32.7	97	36.1	73.8	23.2	60	15.6	1983
8	82.6	28.1	91.0	32.8	94	35.0	73.8	23.2	60	15.6	1970
9	82.6	28.1	91.1	32.8	97	36.1	73.8	23.2	67	19.6	1983
10	82.1	27.6	90.7	32.6	95	35.0	73.8	23.2	60	15.6	1955
11	82.6	28.1	90.9	32.7	95	35.0	73.8	23.2	60	15.6	1970
12	82.8	28.2	91.0	32.8	100	37.8	73.8	23.2	60	15.6	1970
13	83.2	28.4	92.0	32.8	99	37.2	73.8	23.2	60	15.6	1970
14	83.0	28.3	91.9	32.7	99	37.2	73.8	23.2	60	15.6	1970
15	84.2	29.3	92.0	32.8	95	35.0	73.8	23.2	60	15.6	1970
16	84.0	28.9	92.0	32.8	95	35.0	73.8	23.2	60	15.6	1970
17	83.7	28.7	91.0	32.8	97	36.1	73.8	23.2	60	15.6	1970
18	83.0	28.3	91.0	32.8	95	35.0	73.8	23.2	70	21.0	1983
19	83.5	28.6	92.0	32.8	99	37.2	73.8	23.2	70	21.0	1970
20	83.1	28.4	91.9	32.7	102	37.8	73.8	23.2	60	15.6	1951
21	83.0	28.3	91.9	32.7	97	36.1	73.8	23.2	69	20.5	1970
22	83.0	28.3	91.9	32.7	97	36.1	73.8	23.2	69	20.5	1970
23	83.2	28.4	91.9	32.7	100	37.2	73.8	23.2	70	21.0	1970
24	83.7	28.7	92.0	32.8	101	37.8	73.8	23.2	69	20.5	1970
25	83.1	28.4	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
26	83.0	28.3	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
27	83.0	28.3	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
28	84.0	28.9	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
29	84.0	28.9	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
30	84.7	29.1	92.0	32.8	97	36.1	73.8	23.2	69	20.5	1970
31											
Monthly	83.0	28.3	91.0	32.8	100	37.2	73.8	23.2	69	20.5	

ENRANGEMENT-0800

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17020

KINGSVILLE, TX

1965-1966 1981-1983

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	84.2	29.0	92.7	33.7	99	37.0	1965	78.7	26.2	70	21.1	1954
2	84.6	29.1	92.6	33.7	99	37.0	1965	78.8	26.2	72	22.2	1963
3	84.7	29.2	92.6	33.7	99	37.0	1965	78.8	26.2	71	21.7	1963
4	84.8	29.2	92.6	33.7	99	37.0	1965	78.7	26.2	71	21.7	1974
5	84.8	29.2	92.6	33.7	97	35.1	1965	78.7	26.2	71	21.7	1975
6	84.8	29.2	92.6	33.7	99	37.0	1970	78.8	26.2	68	20.0	1981
7	84.8	29.2	92.6	33.7	98	36.7	1981	78.8	26.2	70	21.1	1974
8	84.8	29.2	92.6	33.7	99	37.0	1970	78.7	26.2	72	22.2	1976
9	84.8	29.2	92.6	33.7	98	36.7	1980	78.8	26.2	72	22.2	1977
10	84.8	29.2	92.7	33.7	98	36.7	1980	78.8	26.2	69	20.0	1978
11	84.8	29.2	92.6	33.7	97	35.1	1980	78.8	26.2	71	21.7	1983
12	84.1	29.0	92.6	33.7	99	37.0	1981	78.7	26.2	72	22.2	1983
13	84.6	29.1	92.6	33.7	99	37.0	1980	78.7	26.2	71	21.7	1978
14	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	68	20.0	1974
15	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	68	20.0	1967
16	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	68	20.0	1967
17	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
18	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	72	22.2	1980
19	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
20	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	69	20.0	1974
21	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	70	21.1	1974
22	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
23	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
24	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	69	20.0	1981
25	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	69	20.0	1981
26	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
27	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
28	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
29	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
30	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
31	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974
Monday	84.6	29.1	92.6	33.7	99	37.0	1981	78.7	26.2	71	21.7	1974

DISAVOWMENT-0200

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12928

KINGSVILLE, TX

1905-1906 1981-1983

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
1	88.7	29.8	96.8	36.9	101	38.9	1977	78.8	26.8	71	21.7	1976
2	85.8	29.7	96.8	36.9	104	40.8	1977	78.8	26.8	70	21.7	1976
3	84.8	29.6	93.7	34.9	100	37.8	1977	78.8	26.8	71	21.7	1976
4	85.2	29.6	94.8	34.9	100	37.8	1977	78.8	26.8	70	21.7	1976
5	84.8	29.6	94.8	34.9	99	37.2	1977	78.7	26.7	71	21.7	1976
6	85.1	29.6	94.8	34.9	100	37.8	1977	78.7	26.7	71	21.7	1976
7	85.8	29.6	94.8	34.9	100	37.8	1977	78.8	26.8	72	22.2	1981
8	85.8	29.7	94.8	34.9	103	39.8	1977	78.8	26.8	71	21.7	1976
9	85.2	29.6	94.7	34.8	103	40.8	1977	78.8	26.8	70	21.7	1976
10	85.8	29.6	93.8	34.2	104	40.8	1977	78.8	26.8	71	21.7	1976
11	85.8	29.7	94.7	34.8	102	38.8	1977	78.8	26.8	69	20.8	1983
12	85.8	29.7	94.8	34.9	103	39.8	1977	78.8	26.8	70	21.7	1976
13	85.7	29.6	93.8	34.8	103	39.8	1977	78.8	26.7	68	19.8	1967
14	85.7	29.6	94.8	34.9	103	39.8	1977	78.8	26.8	68	19.8	1967
15	85.7	29.6	94.8	34.9	103	39.8	1977	78.8	26.8	68	19.8	1967
16	85.8	29.7	94.7	34.8	102	38.8	1977	78.8	26.8	70	21.7	1976
17	85.7	29.6	93.8	34.8	103	39.8	1977	78.8	26.8	70	21.7	1976
18	85.7	29.6	93.8	34.8	103	39.8	1977	78.8	26.8	70	21.7	1976
19	85.8	29.7	93.8	34.8	100	37.8	1977	78.8	26.8	73	22.8	1976
20	84.8	29.6	93.8	34.8	99	37.2	1977	78.8	26.8	71	21.7	1976
21	84.8	29.6	93.8	34.8	99	37.2	1977	78.8	26.8	69	20.8	1976
22	85.8	29.6	93.8	34.8	102	38.8	1977	78.8	26.8	68	20.8	1976
23	85.8	29.6	94.8	34.9	101	38.8	1977	78.8	26.8	70	21.7	1976
24	86.1	29.6	93.8	34.8	99	37.2	1977	78.8	26.8	71	21.7	1976
25	85.7	29.6	93.8	34.8	99	37.2	1977	78.8	26.8	68	20.8	1976
26	85.2	29.6	93.8	34.8	98	37.2	1977	78.8	26.8	68	20.8	1976
27	85.8	29.6	93.8	34.8	102	38.8	1977	78.8	26.8	69	20.8	1976
28	85.8	29.6	93.8	34.8	100	37.8	1977	78.8	26.8	69	20.8	1976
29	85.8	29.6	93.8	34.8	100	37.8	1977	78.8	26.8	69	20.8	1976
30	85.8	29.6	93.8	34.8	101	38.8	1977	78.8	26.8	70	21.7	1976
31	84.8	29.6	93.8	34.8	101	38.8	1977	78.8	26.8	69	20.8	1976
Monday	86.8	29.6	94.8	34.9	101	38.8	1977	78.8	26.8	68	20.8	1976

*BASE ON EARLIER YEARS

ORNAVOCASMET-0200

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17920

WINDSVILLE, TX

1965-1966 1981-1983

SEPTEMBER

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	84.1	28.9	92.8	33.8	101	38.3	1982	75.0	24.1	72	22.2	1980*
2	84.1	28.9	92.8	33.8	100	37.8	1982	75.0	24.2	71	21.7	1978
3	83.5	28.6	91.6	33.1	97	36.1	1983	75.0	24.2	70	21.1	1976
4	83.0	28.3	91.7	33.2	97	36.1	1983	74.0	23.3	59	15.0	1974
5	82.2	27.9	91.1	32.8	101	38.3	1977	73.0	23.0	57	13.9	1974
6	82.6	28.1	91.6	33.1	99	37.2	1971	73.6	23.1	54	12.2	1974
7	82.3	28.1	91.6	32.8	98	36.7	1971	73.0	23.0	57	13.9	1974
8	82.2	27.9	90.6	32.6	97	36.1	1973	73.0	23.0	63	17.2	1974
9	82.7	28.2	91.8	33.1	96	35.6	1970	74.0	23.3	62	16.7	1974
10	82.6	28.1	91.0	32.8	102	38.9	1965	74.0	23.0	64	17.8	1974
11	81.6	27.6	90.1	32.3	100	37.8	1982	73.2	22.9	66	18.9	1987
12	81.9	27.7	91.0	32.8	99	37.2	1973	72.0	22.7	68	19.6	1989
13	81.6	27.6	89.9	32.2	98	36.7	1977	73.0	23.0	66	18.9	1974*
14	81.1	27.3	89.9	32.2	97	36.1	1980	72.3	22.0	64	17.8	1974
15	81.4	27.4	90.2	32.3	97	36.1	1980	72.0	22.0	64	17.8	1979
16	82.2	27.9	91.2	32.9	97	36.1	1980	73.1	22.8	60	15.6	1979
17	81.4	27.6	90.2	32.3	97	36.1	1982	72.0	22.0	62	16.7	1981
18	81.0	27.2	89.7	32.1	96	35.6	1982	72.0	22.0	58	12.8	1981
19	81.5	27.5	90.2	32.3	98	36.7	1982	72.0	22.7	52	11.1	1981
20	81.3	27.4	90.6	32.2	97	36.1	1980	72.7	22.6	68	15.6	1981
21	80.7	27.1	89.2	31.9	98	36.9	1983	72.0	22.0	64	14.4	1982
22	80.3	26.8	89.2	31.7	98	36.9	1983	71.0	21.9	60	12.2	1983
23	79.4	26.3	88.2	31.2	93	33.9	1977	70.0	21.0	54	12.2	1975
24	79.8	26.6	88.9	31.6	98	36.9	1983	70.0	21.0	54	12.2	1975
25	79.3	26.3	88.2	31.2	98	36.9	1983	70.0	21.0	56	13.3	1975
26	79.1	26.2	88.2	31.2	97	36.1	1983	70.0	21.0	55	12.2	1975
27	78.7	25.9	88.0	31.0	99	37.2	1977	69.0	20.7	58	14.0	1983
28	78.0	25.6	87.2	30.7	98	36.9	1983	69.0	20.7	56	12.2	1987
29	77.0	25.0	87.2	30.7	98	36.9	1983	68.0	20.0	56	12.2	1987
30	77.0	25.0	87.0	30.6	98	36.7	1983	67.0	19.9	52	11.7	1974
31												
Monthly	81.0	27.0	90.0	32.0	100	37.0	1980	70.0	21.0	58	11.6	1981

*ALSO ON EARLIER YEARS

08NAVCENDET-0806

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17028

KINGSVILLE, TX

1945-1946 1951-1983

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE	EXTREME			AVERAGE	EXTREME				
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	76.7	24.8	86.7	30.4	96	35.6	1981*	66.6	19.2	50	10.0	1974
2	77.4	25.2	87.3	30.7	95	35.0	1977	67.8	19.7	57	13.9	1963*
3	78.0	25.6	87.4	30.8	94	34.4	1981*	68.6	20.3	53	11.7	1975
4	77.4	25.2	86.6	30.3	95	35.0	1984	68.2	20.1	50	10.0	1975*
5	77.1	25.1	86.4	30.2	96	35.6	1983*	67.4	19.6	51	10.6	1975
6	77.2	25.1	87.0	30.6	94	34.4	1981	67.8	19.7	52	11.1	1964
7	78.0	24.3	85.9	29.9	96	35.6	1981	68.7	18.7	52	11.1	1964
8	78.9	24.4	86.2	30.1	94	34.4	1982*	68.7	18.7	44	6.7	1952
9	78.8	24.3	86.2	30.1	96	35.6	1982	68.5	18.5	45	7.2	1952
10	75.9	24.2	85.4	29.7	93	33.4	1981*	68.7	18.7	51	10.6	1976*
11	76.0	24.4	86.0	30.0	93	33.9	1981*	68.0	18.9	50	10.0	1979
12	76.0	24.4	85.4	29.7	94	34.4	1969	68.8	19.2	51	10.6	1977
13	75.5	24.2	85.2	29.6	95	35.0	1981	68.7	18.7	44	6.7	1977
14	75.2	24.1	84.9	29.4	94	34.4	1981*	68.7	18.7	49	9.4	1977
15	74.0	23.3	84.0	29.1	95	35.0	1981	68.7	17.6	49	9.4	1976*
16	73.4	21.9	83.6	28.4	93	33.3	1981*	68.6	17.6	46	6.7	1974
17	73.8	23.2	83.6	28.8	93	33.4	1980*	68.9	17.7	48	8.9	1974
18	72.0	22.7	83.6	28.4	93	33.4	1980	68.8	18.9	49	9.4	1974
19	72.3	22.0	83.9	28.8	93	33.4	1982*	68.7	18.8	49	9.4	1974
20	71.0	22.0	82.4	28.8	93	33.4	1986	68.7	18.9	42	5.6	1976
21	72.5	22.3	82.8	28.7	90	32.8	1978*	68.2	18.8	45	7.2	1976
22	72.6	22.6	82.7	28.8	92	33.3	1981	68.6	17.6	49	9.4	1983
23	72.4	22.6	83.3	28.8	94	34.4	1978*	68.6	16.6	43	6.1	1979
24	70.7	21.8	80.8	28.9	92	33.3	1978	68.9	18.7	41	5.6	1979
25	70.2	21.2	80.4	28.2	92	32.3	1978	68.8	18.2	43	6.1	1983
26	70.3	21.2	80.4	28.4	95	33.0	1978	68.8	18.7	45	7.2	1983
27	70.2	21.2	81.1	27.9	93	33.4	1978	68.6	18.2	48	4.4	1987
28	69.7	20.9	79.9	26.2	89	31.7	1982	68.2	18.7	41	5.0	1987
29	69.4	21.1	79.9	26.4	92	33.4	1978	68.4	18.2	48	7.2	1976
30	70.2	21.2	81.2	27.9	92	33.3	1978	68.2	18.1	41	5.0	1980
31	71.2	21.8	81.7	27.6	96	35.6	1978	68.6	18.1	37	2.8	1980
Monthly	73.8	23.2	83.9	28.8	94	33.4	1983*	68.7	17.6	37	2.8	1980

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1928 KINGSVILLE, TX 1945-1946 1951-1983 NOVEMBER
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	70.3	21.3	81.2	27.3	90	32.2	1982	59.0	15.2	43	5.1	1956
2	68.9	20.5	79.6	26.8	90	32.2	1982	58.1	14.5	36	2.2	1966
3	67.0	19.4	76.9	24.9	89	31.7	1973	57.1	13.9	33	.6	1951
4	66.9	19.2	77.2	25.1	90	32.2	1973	55.9	13.3	30	3.3	1967
5	67.9	19.9	76.7	25.9	92	33.3	1973	57.1	13.9	39	3.9	1970
6	66.9	19.4	76.8	24.9	91	32.8	1963	57.1	13.9	37	2.8	1954
7	66.8	19.3	77.1	25.1	89	31.7	1973	56.5	13.6	35	1.7	1959
8	66.8	19.3	77.2	25.1	91	32.8	1973	56.5	13.6	38	3.3	1959
9	66.2	19.0	76.9	24.9	91	32.8	1973	55.5	13.1	42	5.6	1977
10	64.1	17.8	74.6	23.6	87	30.6	1978	53.7	12.1	33	.6	1977
11	66.6	19.2	77.8	25.4	89	31.7	1962	55.3	12.9	35	1.7	1977
12	67.4	19.7	78.5	25.8	90	32.2	1969	56.3	13.8	39	3.9	1968
13	68.0	20.0	79.4	26.3	92	33.3	1981	56.6	13.7	37	2.8	1975
14	66.9	19.4	77.2	25.1	90	32.2	1981	56.6	13.7	36	2.2	1975
15	66.7	19.3	76.9	24.9	91	32.8	1981	56.6	13.6	34	1.1	1969
16	66.9	19.4	76.6	24.8	89	31.7	1981	57.8	14.0	32	.0	1970
17	66.6	19.2	75.5	24.2	90	32.2	1988	57.8	14.0	33	.6	1959
18	65.4	18.6	74.6	23.7	89	31.7	1973	56.1	13.6	32	.0	1959
19	65.0	18.3	74.8	23.8	89	31.7	1973	55.1	12.8	34	1.1	1959
20	64.4	18.0	74.6	23.7	87	30.6	1982	54.2	12.3	32	.0	1969
21	63.7	17.6	74.5	23.6	88	31.1	1981	52.9	11.6	36	2.2	1969
22	63.6	17.6	72.7	23.6	88	31.1	1982	54.1	12.3	37	2.8	1973
23	64.1	17.8	74.6	23.7	97	36.1	1983	53.8	12.8	34	1.1	1978
24	62.6	17.0	72.8	23.5	89	31.7	1973	51.7	11.9	31	-.6	1970
25	63.2	17.3	74.9	23.8	91	32.8	1983	51.6	14.9	36	2.2	1978
26	65.8	18.6	74.4	24.0	92	33.3	1983	54.5	13.6	38	.6	1974
27	61.9	16.6	73.9	23.9	88	31.1	1979	50.9	10.3	38	1.7	1980
28	58.7	14.8	68.6	20.6	83	28.4	1971	48.1	9.2	32	.6	1975
29	57.4	14.4	67.8	19.9	88	29.6	1978	47.9	6.2	32	.6	1976
30	58.5	14.7	68.6	20.2	83	28.4	1982	48.6	9.2	31	-.6	1970
31												
Monthly	65.2	18.4	75.3	24.2	87	30.1	1983	55.1	12.7	31	-.6	1978

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMDS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

17928

KINGSVILLE, TX

1965-1966 1951-1983

DECEMBER

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	40.2	15.7	70.1	21.2	87	30.4	1982	50.2	10.1	32	.0	1976
2	43.2	17.3	74.0	23.3	88	31.1	1982	52.9	11.4	32	3.3	1975
3	43.1	17.3	74.3	23.9	86	30.0	1978	51.9	11.1	35	1.7	1976
4	42.5	16.9	73.2	22.9	89	31.7	1977	51.0	11.0	34	1.1	1968
5	44.3	17.9	75.1	23.9	93	33.9	1972	53.8	11.9	36	2.2	1964
6	51.6	16.0	72.1	22.3	91	32.0	1981	51.1	10.6	35	1.7	1964
7	40.1	15.6	70.0	21.6	87	30.6	1966	49.4	9.7	35	1.7	1959
8	60.8	16.0	71.3	21.8	86	30.0	1966	50.3	10.2	33	.6	1976
9	59.6	15.3	68.9	20.9	88	31.1	1971	50.2	10.1	27	-2.8	1978
10	57.8	14.3	67.1	19.8	87	30.6	1983	48.9	9.2	20	-6.7	1978
11	57.5	14.2	68.3	20.2	87	30.4	1979	48.7	8.2	30	-1.1	1966
12	56.1	13.4	66.9	19.6	84	28.9	1973	48.4	7.4	28	-2.2	1966
13	55.5	13.1	65.1	18.9	85	29.4	1951	46.0	7.8	28	-2.2	1966
14	58.5	13.1	64.9	18.3	85	29.4	1973	46.1	7.8	32	.0	1966
15	44.8	12.5	64.9	18.3	82	27.8	1969	46.1	6.7	30	-1.1	1964
16	58.6	13.1	66.6	19.2	86	30.0	1977	46.8	6.9	27	-2.8	1972
17	57.1	13.9	68.4	20.2	83	28.3	1964	48.9	7.7	30	-1.1	1974
18	59.3	15.0	69.7	20.9	83	29.4	1970	48.2	9.0	29	-1.7	1979
19	57.5	14.2	67.2	19.6	82	27.8	1979	47.9	8.8	30	-1.1	1983
20	58.3	14.6	68.9	20.3	86	31.1	1978	48.1	8.9	30	-1.1	1973
21	57.5	14.2	67.9	19.7	84	28.9	1970	47.8	8.6	22	-5.6	1973
22	57.8	14.3	69.0	20.6	86	30.0	1970	48.7	8.2	27	-2.8	1983
23	58.6	14.8	68.7	20.4	83	29.4	1964	48.4	9.1	28	-2.2	1953
24	57.4	14.4	68.0	20.0	90	32.2	1974	47.8	8.8	22	-5.6	1983
25	56.3	13.8	67.3	19.8	90	32.2	1954	48.2	7.4	18	-9.6	1983
26	56.1	13.4	67.2	19.6	81	27.2	1968	48.0	7.2	23	-5.0	1983
27	58.7	14.8	69.3	20.7	87	30.0	1968	48.1	8.9	28	-2.2	1983
28	58.9	14.9	69.6	20.9	86	30.0	1970	48.2	9.0	33	.6	1983
29	48.4	10.7	68.9	20.2	84	28.9	1970	48.0	9.1	22	-5.6	1983
30	59.1	15.1	68.1	20.1	87	30.4	1951	50.1	10.1	19	-7.8	1983
31	56.2	13.4	66.6	19.2	86	30.0	1951	48.0	7.7	22	-1.8	1983
Monthly	58.6	14.8	68.9	20.4	93	33.9	1972	48.7	9.0	18	-9.6	1983

*ALSO ON EARLIER YEARS

DNRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION KINGSVILLE, TX STATION NAME 51-82 YEARS

WHOLE DEGREES FARENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71						94		103	101	93	92	91	
72	87	93	101	96	98	96	99	102	101	94	90	84	102
73	63	86	93	100	100	101	100	103	98	93	87	89	103
74	87	94	98	98	95	95	105	100	98	94	85	88	105
75	82	85	95	102	105	98	98	100	92	94	91	86	104
76	86	90	91	93	91	99	100	99	97	95	88	86	100
77	89	91	88	90	98	100	101	100	97	95	87	82	101
78	80	85	86	103	95	97		102	95	90	90	84	
79	80	89	92	95	98	97	100	101	98	95	89	78	101
80	86	94	86	100	98	98	105	97	94	96	89	81	105
81	79	86	86	91	94	94	95	96	100	98	91	86	100
82	85	95	89	96	99	95	102	105	96	96	89	80	100
83	85	91	89	101	94	98	96	98	95	88	91	83	101
84	81	81	88	96	98	95	100	100	99	90	84	90	100
85	88	82	91	92	91	93	99	97	102	90	92	81	102
86	79	79	90	91	95	96	99	98	99	94	91	87	99
87	97	86	92	95	102	97	102	97	90	89	88	80	102
88	79	79	86	92	92	93	94	97	96	92	89	87	97
89	89	83	90	90	93	102	102	103	96	94	94	83	103
90	83	83	91	94	91	94	99	101	94	94	87	86	101
91	92	87	99	93	97	98	101	96	99	93	90	88	101
92	92	87	98	97	92	98	96	96	96	94	89	93	98
93	84	80	87	95	103	96	103	101	99	93	92	86	103
94	91	89	94	93	94	94	97	99	95	89	87	90	99
95	90	92	98	99	95	97	97	95	94	90	89	83	99
96	87	91	101	89	93	97	94	105	96	93	87	72	105
97	82	94	92	94	93	98	101	104	101	96	85	89	104
98	83	88	89	94	101	95	98	97	94	92	87	88	101
99	80	87	87	95	97	95	100	98	98	92	88	87	100
00	88	91	93	94	98	104	102	98	93	93	89	83	100
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

17 27
STATION

KINGSVILLE, TX
STATION NAME

51-82
YEARS

YEARS

INOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	80	86	89	91	95	96	97	101	97	96	87	82	101
2	88	94	92	99	93	98	100	101	100	96	90	88	101
MEAN	84.8	87.7	91.7	93.2	95.2	96.2	97.3	99.1	97.1	96.7	87.3	82.3	
S. D.	4.000	4.720	4.414	3.714	3.630	3.667	3.667	3.714	3.714	3.714	3.714	3.714	
TOTAL OBS.	961	876	961	930	891	930	930	930	930	930	930	930	

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION 12 7: KINGSVILLE, TX STATION NAME 51-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						68		69	63	55	33	32	
52	39	35	40	48	56	67	73	69	59	44	41	34	34
53	35	41	39	49	50	66	70	72	64	56	40	28	28
54	32	34	38	49	48	67	70	73	63	47	37	34	32
55	32	33	37	46	67	60	73	73	68	48	38	32	32
56	31	33	35	51	61	69	71	71	61	55	34	36	31
57	32	47	43	49	59	65	74	69	63	40	35	30	30
58	37	29	32	51	60	72		69	67	51	38	29	
59	28	39	38	47	68	70	69	73	60	49	32	35	28
60	32	24	36	44	53	71	75	71	63	51	41	35	28
61	32	32	43	45	54	69	72	68	63	47	44	34	32
62	17	35	34	43	59	68	71	73	65	52	44	35	17
63	20	29	42	56	64	72	71	73	58	57	38	29	20
64	30	34	44	50	61	61	72	75	69	46	41	30	30
65	33	36	35	51	58	71	73	69	60	44	46	39	33
66	24	35	40	50	59	66	72	70	64	45	36	28	26
67	31	33	41	58	59	66	68	66	54	48	38	30	30
68	29	29	39	50	57	69	74	72	58	52	38	28	28
69	30	39	40	53	59	65	74	74	67	50	32	38	30
70	23	30	38	48	51	61	72	69	57	43	31	39	23
71	34	28	32	42	59	71	72	72	62	59	46	39	24
72	30	30	48	46	64	69	71	72	60	46	37	27	27
73	24	28	45	47	54	70	75	73	65	55	39	22	22
74	33	27	38	43	60	67	67	69	53	44	32	30	27
75	19	31	37	41	60	60	69	70	54	50	34	36	19
76	25	32	40	50	56	68	71	69	63	42	32	30	29
77	27	34	40	46	63	68	72	71	68	44	33	34	27
78	25	30	33	51	55	68	71	70	66	49	43	28	28
79	20	31	41	47	51	60	72	68	59	41	31	29	20
80	32	27	26	39	48	68	71	71	68	37	34	38	26
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1726
STATION

KINGSVILLE, TX
STATION NAME

51-52
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	35	27	43	52	56	72	68	71	52	49	42	36	27
32	22	27	36	49	59	70	72	71	59	46	41	35	22
MEAN	22.9	22.4	28.7	41.3	47.8	66.9	73.2	71.8	61.9	51.3	47.1	39.8	44.7
S.D.	5.407	4.682	4.283	4.407	4.460	4.358	3.277	3.437	4.437	4.837	5.043	5.272	4.972
TOTAL OBS.	961	876	961	923	961	961	961	961	961	961	961	961	961

SMOS

PSYCHROMETRIC SUMMARY

STATION: W. S. GILL YEAR: 1954 MONTH: JAN

PAGE: 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.S./W.S.	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					
87																					2	2			
87																					2	2			
87																					8	8			
81																					4	4			
75																					15	15			
75																					35	35			
77																					26	26			
71																					40	40			
71																					63	63	16		
71																					98	98	49	51	
69																					92	92	75	51	
67																					101	101	91	75	
65																					87	87	81	56	
63																					116	116	113	81	
61																					102	102	122	104	
59																					119	119	108	124	
59																					125	125	114	104	
55																					119	119	101	89	
53																					98	98	85	75	
51																					120	120	119	89	
47																					131	131	157	120	
47																					167	167	157	127	
45																					136	136	159	127	
43																					152	152	168	153	
41																					155	155	163	140	
39																					99	99	112	127	
37																					78	78	108	127	
35																					63	63	89	97	
33																					50	50	74	97	
31																					36	36	76	81	
29																					25	25	39	60	
27																					11	11	31	66	
25																					8	8	27	86	
23																					6	6	11	46	

Element (H)	24	24	24	24	No. Obs.	Mean No. of Hours with Temperature						
Bol. Hum.						10 F	120 F	140 F	170 F	200 F	230 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: WINDVILLE, OH DATE: 12-87 MONTH: MAY

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					
60																		1	1						
61																		1	1						
62																		4	4						
63																		8	8						
64																		10	10						
65																		23	23						
66																		32	32						
67																		50	50						
68																		63	63						
69																		112	112						
70																		67	67						
71																		110	110						
72																		174	174						
73																		250	250						
74																		251	251						
75																		210	210						
76																		166	166						
77																		150	150						
78																		110	110						
79																		63	63						
80																		69	69						
81																		26	26						
82																		18	18						
83																		11	11						
84																		6	6						
85																		4	4						
86																		2	2						
Element (H)	Σ ₁		Σ ₂		Σ		Σ ₂		No. Obs.		Mean No. of Hours with Temperature					Total									
Dry Bulb											20 F	22 F	24 F	26 F	28 F	30 F									
Wet Bulb																									
Dew Point																									

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: ILL. TV STATION NAME: ILL. TV YEARS: 1964 MONTH: JULY
 HOURS (L.S.T.): 1837

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
70																		2	2	
71																		9	9	
72																		34	34	
73																		54	54	
74																		179	179	
75																		199	199	
76																		145	145	
77																		199	199	
78																		198	198	
79																		161	161	5
80																		247	247	6
81																		310	310	61
82																		303	303	107
83																		228	228	506
84																		107	107	717
85																		40	40	522
86																		12	12	770
87																		7	7	134
88																				3
89																				22
90																				4
TOTAL	10	15.7	24.1	11.5	1.7	8.4	7.4	8.9	6.0	9.6	1.0	.7	.2	.0				2400	2400	2400
Element (X)	Σx²		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total				
Rel. Hum.	1770	13	18	193	72.7	16.561	2480	±0 F	±32 F	±67 F	±73 F	±80 F	±93 F	Total						
Dry Bulb	17423	87	207174	93.5	6.787	2480	746.0	727.5	691.9	62.0	746.0									
Wet Bulb	14344	27	188500	76.0	2.649	2480	743.1	666.6	64.0	746.0										
Dew Point	13212371		180855	72.9	3.773	2480	722.7	530.7	18.6	746.0										

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PSYCHROMETRIC SUMMARY

STATION NAME: WINGILL, VA YEAR: 1962 MONTH: SEP
 CASE: 1
 HOURS (L.S.V.):

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					
64																						3	3		
65																						3	3		
66																						16	16		
67																						61	61		
68																						135	135		
69																						100	100		
70																						111	111		
71																						200	200	1	
72																						198	198	10	7
73																						194	194	47	10
74																						221	221	230	74
75																						298	298	413	108
76																						286	286	406	359
77																						217	217	392	418
78																						125	125	200	414
79																						76	76	167	204
80																						58	58	100	201
81																						37	37	72	120
82																						24	24	50	87
83																						18	18	48	64
84																						7	7	43	47
85																						4	4	27	43
86																						7	7	21	34
87																						4	4	13	33
88																						1	1	11	17
89																								5	22
90																								1	37
91																									10
92																									17
93																									2
94																									1
T																						2400	2400	2400	
Σ																						2400	2400	2400	
Element (X)	Σx ²		Σx		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	14263702		180068		75.0		7.723		2400		10 F		132 F		167 F		173 F		180 F		190 F		Total		
Dry Bulb	15241717		180711		79.6		7.504		2400						668.2		611.4		395.7		26.0		780.0		
Wet Bulb	12366909		175177		73.0		5.798		2400						638.3		601.6		60.7				770.0		
Dew Point	11698988		167710		69.9		7.348		2400						602.2		370.5		21.8				728.0		

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PSYCHROMETRIC SUMMARY

STATION: WINDYVILLE, YK YEAR: 73-82 MONTH: DEC
 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				
50								.1	.2	.1								8	8					
51							.1	.2	.3	.1								31	31					
52					.1		.2	.3	.4	.2	.1							41	41					
53				.1	.2		.3	.4	.5	.3	.2	.1						63	63					
54				.2	.3	.1	.4	.5	.6	.4	.3	.2						117	117					
55				.3	.4	.2	.5	.6	.7	.5	.4	.3						136	136					
56		.1	.2	.4	.5	.3	.6	.7	.8	.6	.5	.4			.1			172	122	10				
57	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			151	151	46				
58	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			190	190	122				
59	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			211	211	171				
60	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			198	198	278				
61	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			170	170	266				
62	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			142	162	209				
63	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			181	141	224				
64	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			168	168	204				
65	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			137	137	180				
66	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			99	99	160				
67	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			76	76	144				
68	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			62	62	104				
69	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			45	45	81				
70	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			67	67	67				
71	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			32	32	75				
72	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			20	20	66				
73	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			18	18	61				
74	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			6	6	20				
75	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			7	7	13				
76	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			1	1	6				
77	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1					3				
78	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1			1	1	10				
79	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1					4				
80	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1					17				
81	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1					4				
82	.1	.2	.3	.5	.6	.4	.7	.8	.9	.7	.6	.5			.1					4				
Element (X)	ΣX ²		ΣX		Σ	Σ _n	No. Obs.		Mean No. of Hours with Temperature								Total							
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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PSYCHROMETRIC SUMMARY

STATION MINEVILLE, La YEARS 73-82 MONTH NOV
 STATION NAME YEARS MONTH
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point	
79							.1											1	1			
80							.2	.1	.0									7	7			
81					.1	.1	.2	.1	.2									15	15			
82					.1	.2	.6	.5	.7	.0	.0							39	39			
83					.1	.3	.6	.4	.4	.1					.1	.1	.0	57	67			
84			.1	.1	.5	.5	.4	.4	.3	.1					.1			72	72			
85		.1	.3	.5	.7	.8	.3	.1	.2	.0					.0	.0	.0	77	77	4		
86		.1	.5	1.1	.7	.7	.1	.5	.3	.1					.1	.0		104	104	20	4	
87	.1	1.0	1.3	1.0	.6	.4	.2	.7	.2	.1	.1				.1	.0		139	139	67	27	
88	.4	1.8	1.5	1.0	.3	.4	.3	.2	.3	.1	.1				.1	.0		153	153	169	63	
89	.4	1.0	1.0	.7	.5	.5	.1	.2	.1	.2	.0				.1			166	166	176	107	
90	.5	1.5	1.0	.3	.3	.1	.1	.3	.0	.2	.0				.0			170	170	191	157	
91	.6	2.2	1.1	.4	.5	.1	.3	.3	.1	.1	.0				.0			147	147	159	158	
92	.6	1.7	1.0	.7	.6	.1	.2	.2	.1	.1	.1				.0			172	172	167	187	
93	.9	1.5	.5	.4	.4	.5	.2	.2	.2	.2	.0				.0			125	125	124	151	
94	.6	2.1	.6	.8	.7	.4	.1	.1	.1	.2					.0			139	139	124	102	
95	.6	1.9	1.2	.7	.5	.7	.1	.2	.2	.1	.1				.0			137	137	140	115	
96	.6	1.2	.9	.7	.4	.1	.2	.0	.2	.1					.0			110	110	129	123	
97	.2	1.0	.7	.7	.2	.4	.3	.1	.1									89	89	113	105	
98	.2	1.0	1.1	.6	.7	.1	.1	.1	.1									96	96	120	86	
99	.6	.9	.7	.5	.4	.3	.2	.1	.1									91	91	111	112	
100	1.0	.9	.8	.6	.2	.2	.0	.1										93	93	112	114	
101	.7	1.2	.4	.6	.3	.1	.1											92	92	99	112	
102	.2	.4	.7	.5	.1	.2	.1											56	56	84	90	
103	.2	.8	.1	.4	.7	.1												50	50	74	77	
104	.1	.5	.1	.2	.2	.1												39	39	72	79	
105	.1	.3	.5	.1	.1													26	26	53	67	
106	.1	.1	.2	.1	.1													17	17	49	54	
107		.2	.2	.3														18	18	24	48	
108		.2	.1	.1														6	6	24	45	
109																		1	1	27	41	
110																					37	
111																					2	27
112																					1	11
Element (K)	ΣH		ΣH		Σ	Σ	Σ	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.										≤ 60 F	≤ 62 F	≤ 64 F	≤ 70 F	≤ 80 F	≤ 90 F	Total						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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UN 207-6421

PSYCHROMETRIC SUMMARY

STATION: WINGFIELD, TX YEAR: 5-92 MONTH: N

TIME PERIOD: 1-1 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						
7																									17	
21																										17
17																										21
11																										16
5																										11
1																										5
0	1.9	2.2	3.2	2.1	3.3	2.7	2.5	5.0	4.7	2.5	1.4	.5	.4	.2	.1							2400			2400	
																							2400			2400

PSYCHROMETRIC SUMMARY

STATION: KING HILL, MD YEARS: 1957 MONTH: DEC
 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	
27																		5	5			
28																		11	11			
29																		10	10			
30																		21	21			
31																		33	33			
32																		56	56			
33																		63	63	9		
34																		67	67	78	3	
35																		89	89	42	21	
36																		108	108	82	57	
37																		114	114	107	80	
38																		170	130	126	87	
39																		138	138	145	122	
40																		142	142	138	142	
41																		116	116	119	145	
42																		130	130	101	87	
43																		146	146	114	97	
44																		171	151	141	102	
45																		175	155	148	109	
46																		148	148	171	140	
47																		171	121	158	128	
48																		147	147	184	117	
49																		120	120	134	111	
50																		97	97	149	112	
51																		68	68	109	97	
52																		85	85	78	107	
53																		24	24	66	104	
54																		9	9	53	86	
55																			3	3	37	87
56																			1	1	14	82
57																					6	89
58																					4	50
59																					3	89
60																					2	77
Element (X)	ΣX ²		ΣX		Σ	Σ _n	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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PSYCHROMETRIC SUMMARY

STATION KINGVILLE, TX STATION NAME 13-4 YEARS ALL 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						
2																						3	3			
3																							2	2		
4																							24	24		
5																							66	66		
6																							212	212		
7																							522	522		
8																							743	743		
9																							750	750		
10																							1020	1020		
11																							1217	1217	2	
12																							1260	1260	37	3
13																							1554	1554	270	30
14																							1975	1975	1330	288
15																							2216	2217	2791	947
16																							2199	2199	3110	2057
17																							1835	1837	3179	3157
18																							1569	1569	2431	3253
19																							1275	1275	1844	2526
20																							1165	1165	1555	2066
21																							1031	1031	1361	1553
22																							1013	1013	1183	1280
23																							867	867	1069	1121
24																							734	734	995	1047
25																							677	677	846	87
26																							644	644	789	768
27																							610	610	756	731
28																							672	672	787	672
29																							615	615	766	736
30																							569	569	719	719
31																							679	679	677	683
32																							660	660	889	611
33																							324	366	520	577
34																							241	241	628	517
35																							174	184	342	660
Element (K)	ΣX		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total								
Rel. Hum.											≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 90 F										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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MEANS AND STANDARD DEVIATIONS

DRY-PULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1028

KINGSVILLE, TX

73-82

STATION		STATION NAME												YEAR
NBS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0	MEAN	50.5	53.0	62.2	67.4	73.4	77.3	78.9	78.4	75.1	67.5	59.9	53.6	66.5
	S. D.	10.747	9.900	8.262	6.891	6.842	3.837	2.828	2.345	4.469	7.398	7.248	9.318	12.360
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
0	MEAN	48.9	51.4	60.8	66.2	71.9	75.9	77.1	76.8	73.5	65.6	58.3	51.6	64.9
	S. D.	11.225	10.309	9.182	7.366	6.428	3.791	2.437	2.310	5.107	7.979	11.000	10.003	12.717
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	47.5	50.0	59.5	65.1	71.2	74.7	75.8	75.3	72.0	64.0	57.0	50.6	63.6
	S. D.	11.410	10.360	9.868	7.989	6.940	4.292	2.647	2.487	5.430	8.389	11.364	10.493	12.940
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	50.6	54.6	65.4	72.2	78.9	83.8	84.9	84.4	80.4	72.9	63.0	54.2	70.5
	S. D.	11.099	10.211	8.272	6.074	4.910	3.363	3.198	3.149	5.148	8.028	10.736	9.975	14.255
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
1	MEAN	59.4	64.1	73.3	78.5	84.3	88.9	91.2	90.6	86.9	80.2	71.5	64.1	77.8
	S. D.	13.336	12.562	9.341	6.877	5.729	5.059	4.287	4.664	5.708	8.372	11.385	11.271	13.833
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	62.7	67.6	76.3	80.1	85.5	89.2	91.9	90.8	87.8	81.3	73.2	66.8	79.5
	S. D.	13.984	12.942	9.703	7.285	5.413	5.377	4.793	5.679	5.871	7.920	11.408	11.512	13.202
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	56.3	63.2	71.8	75.7	81.5	85.6	87.6	86.8	83.2	75.5	66.7	61.1	74.8
	S. D.	11.725	11.134	8.293	6.885	4.170	3.674	3.400	3.501	3.972	6.847	9.890	9.698	12.503
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	52.4	55.6	64.4	69.4	75.3	79.2	81.0	80.2	76.9	69.5	61.5	55.5	68.5
	S. D.	10.732	9.378	7.498	5.784	4.362	3.843	2.408	2.300	4.139	7.123	10.022	9.100	12.125
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	53.8	57.4	66.7	71.8	77.7	81.8	83.8	82.9	79.5	72.1	63.9	57.2	70.8
	S. D.	12.921	12.516	10.602	8.638	7.336	6.883	6.747	6.897	7.545	9.876	12.143	11.445	14.164
	TOTAL OBS	2480	2256	2482	2400	2488	2488	2488	2479	2488	2488	2488	2477	29212

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MEANS AND STANDARD DEVIATIONS

NET-TULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1952R KINGSVILLE, TX

17-52

STATION		STATION NAME												YEAR	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
	MEAN	47.9	50.2	58.9	64.3	70.5	73.9	75.4	75.1	71.9	64.4	57.1	50.5	63.4	
	S. D.	11.478	10.700	9.588	7.504	5.304	3.927	2.202	2.139	5.714	8.055	11.041	10.241	12.636	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
	MEAN	46.7	49.0	57.9	63.5	69.5	73.1	74.4	74.2	70.9	63.0	55.9	48.8	62.3	
	S. D.	11.779	11.085	10.215	8.027	5.803	4.163	2.243	2.247	6.118	8.044	11.653	10.803	13.056	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
	MEAN	45.5	47.8	56.9	62.7	69.1	72.5	73.6	73.1	69.7	61.8	54.8	48.1	61.3	
	S. D.	11.936	11.103	10.792	8.596	6.256	4.410	2.468	2.446	6.245	8.777	12.018	11.200	13.315	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
	MEAN	48.1	51.3	60.9	66.6	72.6	76.2	77.2	77.5	74.6	67.4	59.0	51.0	65.3	
	S. D.	11.621	10.913	9.530	7.048	5.149	3.261	2.105	2.079	5.628	8.411	11.457	10.846	13.218	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
1	MEAN	52.6	55.3	63.2	68.2	73.7	76.6	77.2	77.1	75.0	68.8	61.9	55.0	67.7	
	S. D.	11.838	10.709	9.088	6.756	5.117	3.535	2.086	2.135	4.946	7.422	10.610	10.643	11.738	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
	MEAN	53.0	56.5	64.0	68.4	74.1	76.8	77.8	77.4	75.1	69.0	62.2	56.7	67.7	
	S. D.	11.420	10.109	8.805	6.671	5.072	3.783	2.551	2.397	4.841	7.255	10.348	10.085	11.352	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
	MEAN	52.0	54.9	62.3	67.1	72.8	75.8	76.6	76.3	74.1	67.5	60.0	54.4	66.0	
	S. D.	11.175	9.988	8.634	6.393	4.713	3.353	2.242	2.104	4.763	7.316	10.606	10.014	11.543	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
1	MEAN	49.2	51.8	60.0	65.4	71.3	74.4	75.7	75.8	72.5	65.7	57.8	51.7	64.3	
	S. D.	11.276	10.056	9.049	6.928	5.049	3.586	2.129	2.164	5.391	7.774	10.912	10.033	12.206	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
ALL HOURS	MEAN	49.5	52.1	60.5	65.8	71.7	74.9	76.0	75.8	73.0	66.0	58.6	52.1	64.7	
	S. D.	11.890	10.983	9.771	7.535	5.603	4.075	2.650	2.676	5.799	8.342	11.362	10.897	12.544	
	TOTAL OBS	2480	2254	2480	2400	2480	2400	2480	2474	2400	2480	2400	2477	29207	

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1728 KINGSVILLE, TX

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0	MEAN	44.7	47.0	56.0	62.1	69.0	72.4	74.0	73.8	73.3	62.5	54.4	47.0	61.2	
	S. D.	14.053	13.352	12.365	9.565	6.110	4.671	2.450	2.602	7.120	9.527	3.186	3.031	14.439	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
1	MEAN	43.8	46.0	55.3	61.6	68.2	71.9	73.4	73.1	69.5	61.3	53.6	45.5	60.7	
	S. D.	14.270	13.610	12.582	9.834	6.585	4.822	2.499	2.564	7.222	9.975	3.581	3.472	14.757	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
2	MEAN	42.7	44.9	54.4	60.9	67.9	71.4	72.7	72.0	68.4	60.2	52.7	44.9	59.5	
	S. D.	14.253	13.632	13.082	10.236	6.959	4.860	2.608	2.656	7.758	9.740	3.940	3.705	14.928	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
3	MEAN	48.0	47.6	57.1	62.9	69.5	73.0	74.2	74.7	72.0	64.2	55.7	47.3	62.0	
	S. D.	14.277	14.053	12.908	10.077	6.656	4.347	2.547	2.559	7.155	10.189	4.047	3.821	14.855	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651	
4	MEAN	45.0	47.2	55.6	61.9	68.6	71.3	71.4	71.5	69.5	62.3	54.8	48.2	60.8	
	S. D.	15.043	14.514	13.917	10.654	7.211	4.887	3.410	3.097	7.287	9.844	4.420	4.619	14.459	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
5	MEAN	45.5	46.6	54.8	61.3	68.6	71.6	72.1	71.8	69.2	61.7	54.0	47.5	60.5	
	S. D.	14.693	14.456	14.319	11.024	7.557	5.299	3.644	3.529	7.819	10.462	4.507	4.665	14.822	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
6	MEAN	48.4	47.1	54.6	61.6	68.4	71.4	72.0	71.9	69.6	62.7	54.4	47.7	60.6	
	S. D.	14.991	14.453	14.612	10.491	7.247	4.951	3.419	3.207	7.451	10.059	4.662	4.303	14.713	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
7	MEAN	45.6	47.9	56.1	62.6	69.2	72.3	73.7	73.5	70.4	63.2	54.6	47.6	61.5	
	S. D.	13.964	13.189	12.755	9.420	6.271	4.561	2.543	2.664	7.001	9.340	3.595	3.159	14.256	
	TOTAL OBS	310	292	310	300	310	300	310	309	300	310	300	309	3650	
ALL HOURS	MEAN	44.7	46.8	55.5	61.9	68.7	71.9	72.9	72.8	69.9	62.3	54.3	47.0	60.8	
	S. D.	14.456	13.922	13.388	10.181	6.849	4.834	3.076	3.058	7.349	9.949	4.006	3.881	14.671	
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2474	2400	2480	2400	2477	29207	

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1179 KINGSVILLE, TX

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	98.1	92.9	84.5	75.5	63.9	41.6	82.2	310
	01	100.0	100.0	99.7	98.4	93.9	88.1	78.4	67.1	45.2	84.0	310
	02	100.0	100.0	100.0	99.0	94.5	88.7	80.0	69.7	50.0	84.8	310
	03	100.0	100.0	99.4	96.4	92.6	87.7	76.4	64.4	48.2	83.3	309
	04	100.0	98.7	93.9	83.5	70.9	57.0	43.7	28.2	20.1	65.5	309
	05	100.0	97.1	86.5	75.5	59.7	44.5	31.6	19.4	13.5	58.5	310
	06	100.0	98.1	92.6	83.9	76.1	63.2	49.0	32.6	14.8	66.6	310
	07	100.0	100.0	99.4	95.8	92.6	81.6	71.6	58.4	30.3	79.5	310
	08											
	09											
	10											
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	27											
	28											
	29											
	30											
	31											
TOTALS		100.0	99.2	96.4	91.3	84.2	74.4	63.3	50.5	33.0	75.6	2478

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1728

KINGSVILLE, TX

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	99.3	97.2	92.9	86.5	77.0	63.1	34.4	61.7	242
	01	100.0	100.0	99.6	98.7	94.0	88.3	79.8	66.3	43.3	63.4	282
	02	100.0	99.6	99.6	98.6	94.7	89.7	80.1	70.6	44.3	64.3	282
	03	100.0	99.3	98.6	95.0	89.7	82.3	72.0	60.6	35.1	70.5	282
	04	100.0	95.0	87.2	77.7	63.5	46.1	28.4	20.2	11.0	58.9	282
	05	100.0	90.4	78.7	70.2	52.8	35.5	22.0	14.2	7.4	52.6	282
	06	100.0	94.0	85.8	77.7	66.3	56.7	41.1	22.7	8.2	60.8	282
	07	100.0	99.6	97.2	94.7	90.4	83.0	72.3	56.7	23.0	77.8	282
	08											
	09											
	10											
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	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	97.2	93.3	88.7	80.5	71.0	59.1	46.8	25.8	72.4	2256

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1128

MTNGSVILLE, TX

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00	100.0	99.7	99.3	98.0	74.0	93.0	88.3	77.7	32.7	84.4	300
	03	100.0	99.7	99.7	99.0	98.0	93.3	89.7	79.7	37.0	86.3	300
	06	100.0	99.7	99.7	99.0	98.0	95.7	90.3	82.7	40.3	87.3	300
	09	100.0	99.7	97.7	95.3	91.3	84.3	70.7	39.7	13.7	74.7	300
	12	100.0	97.0	93.7	86.3	71.7	48.0	28.3	12.3	3.0	59.5	300
	15	100.0	95.3	89.3	81.0	68.0	42.0	20.0	4.3	3.3	56.3	300
	18	100.0	97.0	93.0	89.0	82.3	68.0	43.3	16.7	3.7	64.8	300
	21	100.0	100.0	98.3	96.7	95.0	90.7	83.3	65.7	18.0	80.6	300
TOTALS		100.0	98.5	96.3	93.0	87.5	76.9	64.2	47.9	19.0	74.2	2400

OCEANAV-8M08

NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1928 WINGSVILLE, TX

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	100.0	95.7	90.3	76.0	34.3	85.5	300
	01	100.0	100.0	100.0	100.0	99.3	98.0	94.0	83.7	41.7	87.9	300
	02	100.0	100.0	100.0	100.0	99.7	98.7	96.0	88.7	46.0	89.0	300
	03	100.0	100.0	100.0	99.3	97.0	89.7	70.7	38.3	13.0	76.6	300
	04	100.0	100.0	98.7	89.3	68.7	36.3	17.3	9.0	4.0	58.2	300
	05	100.0	100.0	94.7	86.0	63.3	34.0	17.3	9.7	4.7	56.5	300
	06	100.0	100.0	98.0	93.7	85.0	66.3	37.7	11.3	3.7	65.3	300
	07	100.0	100.0	100.0	99.7	97.0	94.0	87.0	58.7	21.3	41.3	300
	08											
	09											
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	25											
	26											
	27											
	28											
	29											
	30											
	31											
TOTALS		100.0	100.0	98.9	96.0	88.8	76.6	63.8	47.2	21.1	75.0	2400

OCEANAV-8MOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

10-28 WINGSVILLE, TX

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	99.7	99.7	98.1	96.1	90.0	75.5	26.1	84.6	310
	02	100.0	100.0	99.7	99.7	99.0	96.1	91.6	81.3	31.6	86.5	310
	03	100.0	100.0	100.0	100.0	99.7	98.1	93.2	83.9	40.0	88.1	310
	04	100.0	100.0	100.0	99.7	98.5	87.1	66.8	36.8	11.9	75.3	310
	17	100.0	100.0	97.1	85.2	64.5	33.9	17.7	9.0	2.6	56.5	310
	18	100.0	98.4	92.3	79.4	59.0	31.6	14.8	9.0	2.9	53.9	310
	19	100.0	99.4	97.7	93.9	84.2	68.1	43.9	18.1	3.5	66.5	310
	21	100.0	99.7	99.7	99.4	98.1	94.2	85.8	60.4	15.5	81.2	310
TOTALS		100.0	99.7	98.3	94.6	87.1	75.7	63.0	46.8	16.8	74.1	2470

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1974 KINGSVILLE, TX

73-97

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AN	ALL	100.0	79.2	96.4	91.3	84.2	74.4	63.3	50.5	33.0	75.6	2478
FE		100.0	97.2	93.3	88.7	80.5	71.0	59.1	46.8	25.8	72.4	2256
MAR		100.0	97.5	92.3	87.5	80.5	71.7	60.9	45.1	27.2	72.0	2450
APR		100.0	98.5	96.3	93.0	87.5	76.9	64.2	47.9	19.0	74.2	2400
MAY		100.0	100.0	98.9	96.9	92.3	81.5	65.7	47.1	18.7	75.8	2450
JUN		100.0	100.0	99.8	98.1	91.3	76.4	59.6	43.6	13.7	73.9	2400
JUL		100.0	100.0	99.9	97.9	97.3	71.8	58.2	41.5	17.4	72.7	2430
AUG		100.0	100.0	100.0	98.1	87.9	75.3	61.8	46.2	14.4	73.8	2474
SEP		100.0	100.0	98.9	96.0	88.8	76.6	63.8	47.2	21.1	75.0	2400
OCT		100.0	99.7	98.3	94.6	87.1	75.7	63.0	46.8	16.8	74.1	2400
NOV		100.0	99.0	96.7	92.5	85.6	75.3	62.1	47.1	23.5	74.2	2400
DEC		100.0	98.9	95.7	90.5	80.8	69.7	57.2	44.7	23.5	72.4	2477
TOTALS		100.0	99.2	97.2	93.8	86.2	74.7	61.6	46.2	20.4	73.8	29205

OCEANAV-SMOS

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1704
STATION

WINGVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JANUARY
MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					100.0					4	0.2
82 TO 86	9.5			23.2	52.4	9.5		4.8		21	0.8
77 TO 81	4.8	2.9	1.5	22.1	39.7	14.7	1.5	5.9	2.9	63	2.7
72 TO 76	5.8	3.9	5.8	33.5	42.6	3.9	1.3	2.6	.6	155	6.3
67 TO 71	8.9	4.3	6.8	31.9	36.6	2.1	2.6	4.3	2.6	233	9.5
62 TO 66	13.3	6.5	12.5	22.1	28.9	4.6	1.5	3.8	6.8	263	10.6
57 TO 61	15.4	19.2	10.8	10.8	18.2	3.8	1.7	8.7	11.9	286	11.5
52 TO 56	29.8	20.4	11.3	10.5	8.4	1.5	1.5	4.4	12.4	275	11.1
47 TO 51	35.1	24.8	6.4	6.1	7.8	1.9	1.4	7.2	9.2	359	14.5
42 TO 46	40.9	26.3	4.3	2.7	3.8	2.7	2.2	6.5	10.6	369	14.9
37 TO 41	22.4	19.5	3.5	.9	1.7	2.2	2.2	8.7	9.1	231	9.3
32 TO 36	11.5	16.9	1.4	.7	3.8		4.7	2.7	8.8	143	6.0
27 TO 31	58.7	17.4		2.2	2.2		4.3	6.5	8.7	46	1.9
22 TO 26	52.9		5.9			5.9	17.6	5.9	11.8	17	.7
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	170.2	16.6	6.9	12.2	16.0	2.9	2.1	8.7	8.4	2477	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1 12A
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

FEBRUARY
MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					46.7				33.3	3	.1
87 TO 91				11.1	22.2	44.4	22.2			9	.4
82 TO 86	5.1	5.1		25.6	33.3	12.0	2.6	15.4		39	1.7
77 TO 81	6.3	2.7	.9	19.8	46.8	11.7	3.6	4.5	3.6	111	4.9
72 TO 76	10.0	1.9	5.1	37.9	31.3	7.5	1.3	5.0	.6	160	7.1
67 TO 71	9.2	1.7	8.4	35.6	36.3	3.3	.8	4.6	2.1	239	10.6
62 TO 66	11.7	4.9	12.6	39.7	23.4	2.3	1.1	3.7	4.6	350	15.5
57 TO 61	16.9	15.1	17.4	19.9	16.5	1.5	2.6	4.0	5.9	272	12.1
52 TO 56	25.7	20.2	11.8	9.6	9.9	1.8	3.3	8.1	9.6	272	12.1
47 TO 51	31.5	26.9	11.4	3.9	6.2	1.6	4.2	3.2	11.0	309	13.7
42 TO 46	42.5	22.6	5.7	3.1	2.7	3.6	5.4	8.0	6.5	261	11.6
37 TO 41	55.6	17.0	2.2	5.2	.7	.7	4.4	4.4	9.6	135	6.0
32 TO 36	60.4	7.6	1.3		1.3	3.8	3.8	12.7	8.9	79	3.5
27 TO 31	72.2						11.1	11.1	5.6	18	.8
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	24.3	13.1	9.2	18.2	17.0	3.4	3.3	5.8	6.3	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17928
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

MARCH
MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	40.0	40.0								80	.1
92 TO 96			12.5		12.5	25.0	12.5	37.5		87.5	.3
87 TO 91	7.5		2.5	17.5	46.5	7.5	7.5	9.5	2.5	91	1.7
82 TO 86	14.5	1.5	8.5	32.5	23.5	6.5	3.5	11.5	1.5	122	6.9
77 TO 81	9.5	4.5	6.5	48.5	19.5	3.5	3.5	8.5	1.5	226	9.1
72 TO 76	4.5	3.5	9.5	43.5	23.5	1.5	1.5	6.5	2.5	92	17.3
67 TO 71	6.5	3.5	15.5	48.5	20.5	1.5	1.5	1.5	1.5	98	23.5
62 TO 66	16.5	11.5	16.5	28.5	16.5	2.5	.7	3.5	7.5	108	16.5
57 TO 61	15.5	23.5	16.5	18.5	11.5	2.5	2.5	2.5	6.5	119	8.8
52 TO 56	29.5	22.5	9.5	8.5	6.5	8.5	8.5	4.5	9.5	209	8.9
47 TO 51	32.5	19.5	5.5	7.5	6.5	4.5	3.5	7.5	13.5	140	5.6
42 TO 46	51.5	4.5	3.5		6.5	8.5	4.5	9.5	15.5	86	2.6
37 TO 41	63.5			4.5			9.5	9.5	9.5	22	.9
32 TO 36	58.5			9.5	18.5		9.5		9.5	11	.4
27 TO 31	100.0									1	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.5	9.5	11.5	31.5	19.5	2.5	2.5	4.5	5.5	240	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17426
STATION

WINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1962
YEARS

APRIL
MONTH

HOURS: L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					66.7	33.3				?	.1
92 TO 96	23.1			15.4	38.8	7.7		7.7	7.7	13	.9
87 TO 91	12.1	8.6	5.2	39.7	19.0	6.9	1.7	5.2	1.7	80	2.4
82 TO 86	10.2	7.4	9.7	53.2	13.9	.9	.5	2.8	1.8	216	9.0
77 TO 81	6.0	5.5	15.8	53.8	18.0	1.6	1.6	.8	.5	381	15.9
72 TO 76	4.3	4.0	12.9	52.4	21.7	1.1	.4	1.4	1.8	720	30.0
67 TO 71	12.3	11.4	22.8	32.4	12.9	2.0	.4	1.8	4.9	480	18.7
62 TO 66	21.1	13.9	17.8	16.4	10.9	2.2	1.8	3.8	13.1	279	11.5
57 TO 61	38.9	12.6	13.3	7.4	6.7	3.0	1.5	3.0	14.1	139	5.6
52 TO 56	35.3	12.7	11.8	8.8	2.9	1.0	1.0	7.8	18.6	102	4.3
47 TO 51	31.7	12.2	12.2	2.4	2.4	2.4	9.8	9.8	17.1	41	1.7
42 TO 46	42.9	14.3					28.6		14.3	7	.3
37 TO 41							108.0			1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.6	8.1	15.8	38.8	18.1	1.8	1.8	2.8	8.1	2400	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17020

KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982

MAY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	22.2		11.1	11.1	55.6					9	.4
92 TO 96	7.9		19.0	67.0	21.1	5.3				38	1.5
87 TO 91	4.3	3.8	15.0	53.1	20.9	1.6	1.2	1.2	1.2	254	10.2
82 TO 86	4.9	4.9	13.7	55.8	18.0	.9	.6	.9	1.3	667	26.8
77 TO 81	3.6	4.9	16.7	57.0	18.4			.3	1.3	632	25.3
72 TO 76	5.5	9.8	18.0	38.6	17.5	.6	1.2	1.3	7.2	656	26.3
67 TO 71	16.7	13.8	19.1	13.7	9.3	2.6	4.8	4.8	16.7	246	9.9
62 TO 66	26.7	16.0	9.2	4.2	6.1	3.1	3.6	5.3	20.6	131	5.3
57 TO 61	28.9	13.2	7.9	2.6	2.6	5.3	5.3	5.3	28.9	38	1.5
52 TO 56	25.0	12.5	12.5		12.5		25.0	12.5		8	.3
47 TO 51								100.0		1	.0
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											
-32 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-52 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.5	7.5	15.0	63.2	16.7	1.1	1.4	1.7	8.7	2800	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17928
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JUNE
MONTH

HOUS 1 (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					100.0					1	.0
97 TO 101				40.4	59.6					10	.0
92 TO 96	1.1	0.0	8.5	58.0	28.4	.6	.6		1.1	177	7.0
87 TO 91	.0	3.3	14.0	50.0	23.0	.0	.2	.0	2.1	478	19.0
82 TO 86	3.0	0.0	13.0	42.1	32.1	1.7	.0	.2	1.3	477	19.0
77 TO 81	2.4	3.0	10.8	40.8	31.2	1.1	.0	.4	5.2	708	29.5
72 TO 76	8.8	8.3	17.8	16.0	19.9	2.0	1.9	2.6	22.2	423	17.6
67 TO 71	20.8	9.1	8.0	10.2	7.1		3.0	0.8	38.2	88	3.7
62 TO 66	16.7		0.2	0.2	0.2		0.2	16.7	50.0	24	1.0
57 TO 61	16.7							66.7	16.7	6	.3
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.2	6.8	13.6	40.2	28.2	1.2	1.0	1.2	6.9	2100	100.0

NAVWEASERVCOM

MM 4532-10331

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17228
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JULY
MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106				100.0						1	.0
97 TO 101			9.1	50.8	20.8	9.1	4.8		2.3	98	1.8
92 TO 96	.8	2.2	8.8	67.1	27.0	.3		.6	.6	363	14.6
87 TO 91	.6	1.1	7.3	60.3	28.6	1.8	1.1	.2	1.3	663	18.7
82 TO 86	1.7	1.5	7.1	44.4	41.9	1.9	.2	.4	.9	660	18.9
77 TO 81	1.1	2.1	7.9	43.8	34.0	.9	.7	.1	9.7	781	30.3
72 TO 76	5.0	6.4	9.1	18.7	27.8	1.7	1.4	.8	28.9	343	16.6
67 TO 71	7.4	11.1	3.7	18.5	28.9		3.7	3.7	28.9	27	1.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-67 & LWR											
TOTALS	1.7	2.8	7.9	68.2	24.6	8.4	.8	.4	4.4	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

10028

KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106		20.0	20.0	20.0					40.0	5	.2
97 TO 101	2.8		25.0	40.0	16.7	5.6			5.0	36	1.5
92 TO 96	.9	3.4	10.0	50.3	19.9	.9	.3		1.0	526	13.2
87 TO 91	2.4	3.4	15.0	50.1	19.3	2.4	.2	1.0	1.7	410	10.3
82 TO 86	4.1	5.0	11.7	39.2	31.2	2.4	1.1	.9	4.5	462	10.6
77 TO 81	4.1	3.3	10.0	37.4	28.0	1.5	.8	1.1	13.2	783	31.6
72 TO 76	12.9	8.4	13.1	11.2	16.6	1.6	3.3	3.3	32.1	427	17.2
67 TO 71	31.0	24.1	10.3		6.4			5.9	20.7	29	1.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.2	4.3	12.0	38.0	28.5	1.0	1.0	1.0	11.0	2970	100.0

NAVRESRVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17228

KINGSVILLE, TX

JANUARY 1973-DECEMBER 1982 SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	57.0		16.7	16.7	16.7					6	.3
92 TO 96	4.0	2.0	16.0	30.3	26.7	3.3	2.0	2.0	4.7	150	6.3
87 TO 91	6.0	9.3	16.7	40.0	20.0	1.0	2.1	.9	1.4	281	11.7
82 TO 86	6.7	18.9	19.0	30.6	19.0	2.6	2.0	3.0	3.6	496	20.7
77 TO 81	10.9	8.6	17.6	27.6	20.6	1.9	2.7	2.0	9.3	602	25.1
72 TO 76	22.8	16.4	9.6	11.7	11.0	1.9	1.8	4.6	22.8	863	36.3
67 TO 71	34.1	16.9	6.3	8.7	4.9	1.7	2.8	13.6	14.8	176	7.3
62 TO 66	60.9	12.1	3.0	3.0	9.1	1.5	7.6	6.1	16.7	66	2.8
57 TO 61	39.3	3.6					3.6	28.6	25.0	28	1.2
52 TO 56	66.7							33.3		12	.5
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.9	10.8	14.8	29.6	16.6	1.4	8.3	4.1	16.7	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17926
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

HOURS - L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		4.3		39.1	43.3	4.3		4.3	4.3	23	.9
87 TO 91	3.3	4.2	10.0	45.0	32.5	3.3		1.7		120	4.8
82 TO 86	4.7	7.3	17.1	38.3	26.2	2.8	.3	.9	2.2	321	12.9
77 TO 81	7.1	10.9	10.4	37.7	27.6	1.8	1.3	1.0	2.3	393	15.9
72 TO 76	12.4	17.2	15.4	22.8	18.4	.8	.2	1.6	11.2	501	20.2
67 TO 71	17.8	19.3	14.7	16.6	8.8	1.7	1.2	3.3	16.4	421	17.0
62 TO 66	26.9	14.2	9.2	7.8	6.4	2.3	2.3	6.9	24.0	346	14.0
57 TO 61	38.1	8.3	6.8	4.0	4.0	2.8	2.8	12.3	26.3	176	7.1
52 TO 56	47.7	7.3	3.7	1.8	.9	6.4	6.4	13.8	11.9	159	6.4
47 TO 51	56.8	3.8					5.7	20.8	13.2	53	2.1
42 TO 46	50.0						14.3	28.6	7.1	19	.8
37 TO 41									100.0	1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.8	12.7	11.9	22.4	18.2	8.1	1.8	6.6	11.4	2400	100.0

NAVWASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17226
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

NOVEMBER
MONTH

HOURS L.S.P.

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				36.0	36.0	18.2	6.8		6.3	22	0.9
82 TO 86	1.6	2.4	5.5	33.1	48.0	5.5	1.6	.8	1.6	127	5.3
77 TO 81	5.0	4.8	9.6	31.8	38.7	5.9	.5	3.2	2.3	222	9.3
72 TO 76	5.8	5.2	12.1	40.3	27.0	1.9	1.9	1.6	3.0	368	15.2
67 TO 71	11.3	12.7	11.9	26.6	21.2	1.1	.8	2.3	11.9	353	14.7
62 TO 66	21.8	15.9	9.7	17.1	14.0	.9	2.8	3.7	14.0	321	13.4
57 TO 61	37.6	18.9	6.7	7.5	4.7	1.2	3.4	4.7	13.4	322	13.4
52 TO 56	46.8	11.2	5.4	5.8	4.9	2.2	2.7	10.7	10.7	224	9.3
47 TO 51	47.6	12.8	3.1	2.2	3.1	.9	3.5	13.2	13.7	227	9.5
42 TO 46	48.8	7.9	.6	1.4	1.6		4.0	19.8	15.9	126	5.3
37 TO 41	45.2	3.2	3.2	3.2	1.6		6.8	22.6	14.3	62	2.6
32 TO 36	40.7	3.7					3.7	22.2	29.6	27	1.1
27 TO 31	100.0									1	0.0
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	24.1	10.7	6.0	14.8	17.1	8.0	2.8	6.2	19.8	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1728
STATION

KINGSVILLE, TX
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

DECEMBER
MONTH

HOURS - U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	20.0				20.0	60.0				4	.2
82 TO 86	5.9			2.9	76.8	8.8	2.9	2.9		90	1.4
77 TO 81	5.2	1.0		19.6	60.8	8.8	3.1	4.1	1.0	97	3.4
72 TO 76	7.0	7.0	6.4	27.9	39.5	5.2	2.3	4.1	.6	172	6.9
67 TO 71	11.1	8.9	6.3	29.5	33.9	2.6	2.2	3.3	2.2	271	10.9
62 TO 66	14.9	11.9	11.9	17.3	25.0	2.4	2.1	4.2	9.9	335	13.5
57 TO 61	21.8	18.4	10.9	12.1	15.6	2.8	1.6	5.0	11.8	321	13.0
52 TO 56	41.6	13.7	8.7	6.1	7.1	2.4	2.9	7.1	10.5	387	15.3
47 TO 51	48.1	13.0	2.9	3.8	3.8	2.1	3.2	9.7	13.3	339	13.7
42 TO 46	48.4	10.6	1.3	1.9	0.1	3.4	3.8	14.1	16.6	320	12.9
37 TO 41	52.2	10.6	.6	1.3	1.9	3.2	3.8	11.5	10.8	157	6.3
32 TO 36	48.6	2.9					2.6	22.9	17.1	35	1.4
27 TO 31	57.1							42.9		7	.3
22 TO 26							33.3		66.7	3	.1
17 TO 21								100.0		1	.0
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 & LWS											
TOTALS	29.7	11.7	6.1	11.7	17.6	3.1	8.8	7.8	9.8	2477	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

1724

WINGVILLE, TX

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS - U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106		14.3	14.3	28.6	14.3				28.6	7	0.7
97 TO 101	5.9	.8	12.7	42.4	28.0	5.9	1.7		2.5	118	.4
92 TO 96	1.9	2.7	11.3	56.4	24.9	1.5	.5	.9	1.8	1102	3.8
87 TO 91	2.9	3.7	12.1	51.4	23.8	2.4	1.1	1.0	1.5	2145	7.3
82 TO 86	5.4	5.4	12.2	41.1	28.6	2.5	1.0	1.8	2.1	3257	11.1
77 TO 81	4.9	6.8	11.0	41.2	27.5	1.9	1.2	1.3	6.1	4976	17.0
72 TO 76	9.1	8.3	12.5	37.3	11.8	1.8	1.4	2.6	12.4	4987	16.9
67 TO 71	13.1	10.6	13.4	27.9	19.3	1.9	1.7	3.6	8.7	3116	10.7
62 TO 66	19.0	11.0	12.3	19.4	16.8	2.3	2.0	4.4	12.4	2519	8.6
57 TO 61	25.3	17.0	11.6	11.5	11.3	2.5	2.4	6.2	12.2	1803	6.2
52 TO 56	36.0	16.1	9.1	7.5	6.7	2.5	3.2	7.7	11.1	1591	5.4
47 TO 51	39.7	19.0	5.9	4.3	5.2	1.9	3.3	8.6	12.0	1467	5.0
42 TO 46	43.8	17.6	3.3	2.2	3.4	2.8	4.0	10.8	12.1	1161	4.0
37 TO 41	52.5	15.4	2.3	2.3	1.5	1.8	3.9	9.9	10.3	609	2.1
32 TO 36	57.7	11.0	1.0	.7	2.7	1.0	5.0	9.3	11.7	350	1.0
27 TO 31	54.0	10.7			1.3		5.3	10.7	6.7	75	.3
22 TO 26	45.0		5.0			5.0	20.0	5.0	20.0	27	.1
17 TO 21								107.0		1	.0
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	15.8	9.4	10.9	28.9	19.4	2.1	1.8	3.7	6.4	29278	100.0

NAVWEASERVCOM

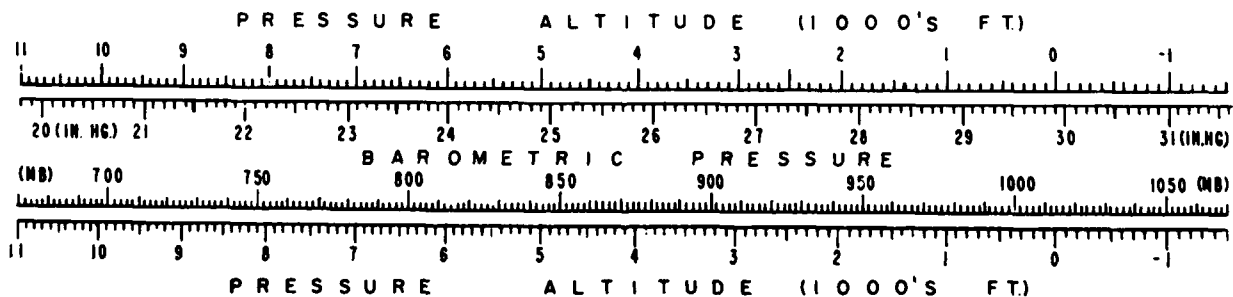
NOCN, Federal Building
Asheville, N. C.

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

EA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1725 KINGVILLE, TX

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	1020.5	1020.2	1014.9	1014.8	1012.3	1014.1	1015.6	1015.3	1014.6	1017.3	1019.0	1019.8	1016.5
	S. D.	6.886	6.788	6.172	5.732	4.555	3.194	2.395	2.535	3.283	4.719	6.757	6.801	5.791
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1019.9	1019.4	1014.2	1013.7	1011.3	1013.4	1015.0	1014.7	1014.0	1016.7	1018.3	1019.3	1015.8
	S. D.	6.968	6.847	6.211	5.783	4.544	3.176	2.412	2.663	3.360	4.782	6.152	6.856	5.892
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1020.0	1019.7	1014.5	1014.2	1011.9	1013.9	1015.4	1015.1	1014.4	1017.2	1018.6	1019.3	1016.2
	S. D.	7.010	6.776	6.201	5.765	4.585	3.218	2.402	2.908	3.427	4.866	6.216	6.923	5.848
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1021.7	1021.3	1016.2	1015.7	1013.1	1014.9	1016.4	1016.1	1015.6	1018.7	1020.3	1021.0	1017.4
	S. D.	7.121	6.958	6.236	5.782	4.606	3.187	2.435	2.747	3.463	4.984	6.207	6.975	5.964
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1021.3	1021.1	1015.9	1015.2	1012.6	1014.8	1016.0	1015.8	1015.1	1018.0	1019.5	1020.4	1017.1
	S. D.	7.118	6.979	6.273	5.785	4.631	3.208	2.453	2.634	3.479	5.029	6.235	7.031	5.990
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1018.6	1018.3	1013.1	1013.2	1011.5	1013.1	1014.4	1013.9	1013.1	1015.8	1017.2	1017.9	1015.0
	S. D.	7.079	6.871	6.294	5.771	4.669	3.300	2.534	2.629	3.427	5.024	6.226	6.996	5.873
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1018.9	1018.2	1012.4	1012.7	1010.3	1012.3	1013.7	1013.4	1012.9	1015.9	1017.5	1018.2	1014.7
	S. D.	7.065	6.869	6.266	5.734	4.636	3.272	2.504	2.603	3.415	4.998	6.242	6.865	5.957
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1020.3	1019.7	1014.4	1014.3	1011.8	1013.4	1014.8	1014.6	1014.4	1017.3	1018.9	1019.6	1016.1
	S. D.	7.040	6.753	6.133	5.719	4.538	3.229	2.394	2.548	3.327	4.846	6.206	6.737	5.893
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	1020.1	1019.7	1014.6	1014.2	1011.4	1013.7	1015.2	1014.8	1014.3	1017.1	1018.7	1019.5	1016.1
	S. D.	7.101	6.906	6.309	5.828	4.670	3.317	2.572	2.792	3.503	4.988	6.254	6.954	5.964
	TOTAL OBS	2400	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

10024 KINGSVILLE, 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	30.079	30.070	29.914	29.911	29.838	29.891	29.935	29.926	29.905	29.905	30.034	30.061	29.962
	S. D.	.204	.201	.153	.169	.135	.095	.072	.076	.097	.139	.179	.202	.171
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
01	MEAN	30.062	30.048	29.893	29.879	29.819	29.869	29.917	29.908	29.887	29.968	30.015	30.043	29.941
	S. D.	.206	.202	.154	.171	.135	.094	.072	.080	.099	.142	.162	.203	.174
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
02	MEAN	30.043	30.056	29.903	29.894	29.827	29.884	29.929	29.918	29.899	29.983	30.024	30.045	29.951
	S. D.	.208	.200	.154	.171	.136	.095	.071	.086	.101	.144	.184	.205	.173
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
03	MEAN	30.112	30.104	29.952	29.938	29.861	29.915	29.959	29.951	29.936	30.026	30.072	30.093	29.993
	S. D.	.210	.203	.155	.171	.136	.095	.073	.082	.103	.147	.184	.207	.177
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	30.103	30.096	29.939	29.924	29.845	29.902	29.945	29.936	29.920	30.004	30.051	30.078	29.978
	S. D.	.211	.204	.156	.171	.137	.097	.073	.079	.103	.149	.184	.208	.177
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	30.023	30.014	29.862	29.864	29.799	29.860	29.900	29.884	29.860	29.942	29.983	30.004	29.916
	S. D.	.209	.203	.157	.170	.139	.098	.076	.078	.101	.149	.184	.207	.173
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
06	MEAN	30.032	30.011	29.852	29.849	29.777	29.837	29.878	29.868	29.856	29.945	29.992	30.013	29.909
	S. D.	.209	.203	.155	.170	.137	.097	.075	.077	.101	.148	.185	.202	.176
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
07	MEAN	30.073	30.056	29.899	29.897	29.821	29.871	29.910	29.905	29.899	29.986	30.032	30.052	29.950
	S. D.	.209	.199	.152	.169	.134	.096	.072	.076	.098	.145	.184	.200	.175
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.068	30.057	29.902	29.898	29.822	29.872	29.922	29.912	29.895	29.980	30.025	30.049	29.950
	S. D.	.210	.200	.157	.172	.138	.099	.077	.083	.104	.148	.185	.206	.177
	TOTAL OBS	2440	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29210

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